



Industrial Service Solutions

Product & Service Catalog



Safety Commitment

At Industrial Services Solutions, we start every action and day with a commitment and focus on safety. Our commitment to safety allows our employees and partners to deliver the best in class equipment, parts, and service for our customers in a safe work environment.

This products catalog shows capabilities from our manufacturing and repair facilities, as well as our expert field operations, which we deliver safely and efficiently each and every day across the country. As one organization, we have adopted and combined the best practices found in our 45 locations to deliver safety at the center of everything that we do. We have taken our individual strengths to create an organization that delivers first class solutions for our customers.

Every action that we take as an organization is part of our commitment to providing a safe and healthy work environment for our employees, customers, vendors, and partners. The prevention of injuries is of such importance that we will not compromise our values and ethics in the interest of operations and productivity or any other business need – this results in a highly motivated and dedicated company in everything that we deliver.

Our approach to safety is to maximize the prevention of injuries by developing a culture of “No One Gets Hurt” and an understanding of the importance in a safe work environment. We believe that all accidents in the workplace are preventable, and our ultimate goal is to have no injuries in the workplace.

The key actions we take as a company are:

- + Foster a culture of “No One Gets Hurt” and promote a safety-first attitude in everything we do.
- + Comply with all relevant laws and regulations for safety, environmental and business dealings.
- + Follow the best industry practices in the exercise of our business.
- + Manage disposal of all wastes in a safe and environmentally responsible manner.
- + Commit to safety and train our employees on safe operations and processes.
- + If something goes wrong, we acknowledge and fix it.

Our commitment to safety starts at the top of the organization. We hold all members of management responsible and accountable for the safe working environment in our facilities and field locations. Our attitude and commitment has led to a successful safety culture focused on accident and incident prevention. Individual responsibility for doing work the right way – this approach is reflected in all actions that we take as an organization. This culture of safety first and doing all actions the right way has produced industry leading safety results and first-class quality products and service.

With Industrial Service Solutions, safety is not just a program – *safety is our culture.*

Wade Stockstill
CEO, Industrial Service Solutions

QUALITY POLICY STATEMENT

Industrial Service Solutions is committed to total customer satisfaction by supplying products of superior quality, manufactured to exacting specifications, and supported by a first-class technical and commercial service team. In order to achieve this commitment, we have numerous certifications and capabilities in our facilities across the country. We have facilities with ISO 9001:2015 certifications, UL/CSA certifications, Green Tag Repair Facilities and many others to meet any customer specification or requirement.

As part of our overall mission to maintain the highest quality standards in our products and services, Industrial Service Solutions focuses on the following quality objectives:

- + To reliably and consistently deliver products that exceed the quality requirements and expectations of our customers.
- + To develop, establish, and maintain a Quality Management System consistent with the requirements of ISO 9001:2015.
- + To seek and achieve continuous improvements in the quality and value of the products we provide.
- + To ensure that each employee takes responsibility and pride in implementing the quality system within their own work functions.

Safety and quality go hand in hand. We continually develop the entire Industrial Service Solutions team and are dedicated to upholding the spirit of our quality objectives and adhering to the directives required by our standards and practices. This results in the superior quality and service delivered by Industrial Service Solutions each and every day.

ONLINE VERSION

A live and up-to-date version of this catalog is available for online use and download at ISS-NA.com/Catalog. In the case of discrepancies between the print and electronic versions, we recommend to use the latest version (version located on back cover).

DISCLAIMER

The products and data sheets in this catalog reflect current Industrial Service Solutions standard production specifications. Industrial Service Solutions reserves the right to modify products and materials, including modifications undertaken to comply with specific customer requests and technical specifications without notice.

All manufacturers' names, numbers, symbols, and descriptions are used for reference purposes only and it is not implied that any motors, pumps, valves, or parts are a product of any of these manufacturers.

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Company Overview

Industrial Service Solutions provides nationwide field, shop, and supply services for a diverse set of industrial markets with breadth and depth in application knowledge and equipment expertise. We are uniquely positioned to deliver a service level equivalent to an OEM, but quicker and more cost-effective. Our regional service and supply facilities combined with our nationwide field support, makes us the largest independent provider of industrial services in the United States, the most comprehensive single-source solution, and your best choice for long term support.

INDUSTRIES SERVED

-  *Aircraft & Aerospace*
-  *Cement & Aggregates*
-  *Chemical & Petrochemical*
-  *Food & Beverage*
-  *General Manufacturing*
-  *Marine & Dredging Mining*
-  *& Metals*
-  *Power Generation*
-  *Downstream Oil & Gas*
-  *Midstream Oil & Gas*
-  *Upstream Oil & Gas*
-  *Pulp/Paper & Wood Products*
-  *PVC & Plastic*
-  *Transit & Railroad*
-  *Tire & Rubber*
-  *Water & Wastewater*





Equipment Repair & Service

Industrial Service Solutions offers in-house field, shop, and supply services for all process equipment types, brands, and applications. Our nationwide network of strategically located field technicians, engineers, and craft personnel are supported by regional shops to provide a level of service equivalent to an OEM, but quicker and more cost-effective. We have the technical expertise and application knowledge to be your single source solution for boilers, calenders, coolers, conveyors, crushers, cyclones, extruders, feeders, heat exchangers, hoppers, kilns, mills, mixers, piping, presses, motors, pumps, controls, and other process related equipment.



Nationwide Field Service



Repair, Overhaul, & Remanufacturing



Outages, Shutdowns, & Turnarounds



Comprehensive Engineering



Onsite Machining & Fabrication



Preventative & Predictive Maint.



Specialized Rigging & Crane Operators



Alternate Access & Scaffolding Solutions



Extensive Inventory of Spare Parts



Turnkey Construction

We offer complete construction services for new builds or expansions and upgrades of existing facilities. Every aspect of a project is managed from start to finish, including concept and scope development, budgeting, engineering and design, procurement, permitting and scheduling, fabrication, construction, and post-construction hand-off. Our tenured, highly skilled engineers and field craft personnel utilize advanced technologies and processes to deliver predictable, efficient, and cost-effective construction solutions.



Emergency Repair & Maintenance



New Build & Plant Relocation



Foundations & Civil Construction



Complete Electrical Installation



Process Piping



Mechanical Service & Installation



Machine Installs & Specialized Rigging





Comprehensive Engineering

Industrial Service Solutions provides fully integrated engineering services to meet our customers' most complex challenges. Our engineers have the technical knowledge to successfully transition projects from the concept and planning phase to detailed engineering and design to final completion. Engineering disciplines include civil, electrical, mechanical, piping, and structural engineering; as well as specialties such as 3D modeling and laser scanning to make projects more efficient and cost-effective.



Full-Service Project Management



Planning, Surveying, & Site Development



Civil/Structural Design & Construction



Electrical/Controls Design & Installation



Mechanical Equip. Design & Installation



Pneumatic Systems & Process Piping



Precision Machining & Quality Fabrication

Our precision machining expertise ranges from proprietary equipment to cylindrical products and general fabrication. Experienced and highly skilled engineers and craft personnel are ready to design, prototype, and manufacture custom solutions with unmatched precision and quality to your exact specifications. We work with a variety of materials that include stainless and structural steel, aluminum, cast iron, and high alloy.



High-Capacity Shops with Bridge Cranes



Rapid Part Repair & Manufacturing



CNC Drilling, Milling, Turning, & Boring



ASME & AWS Certified Welding



Precision Waterjet & Flame Cutting



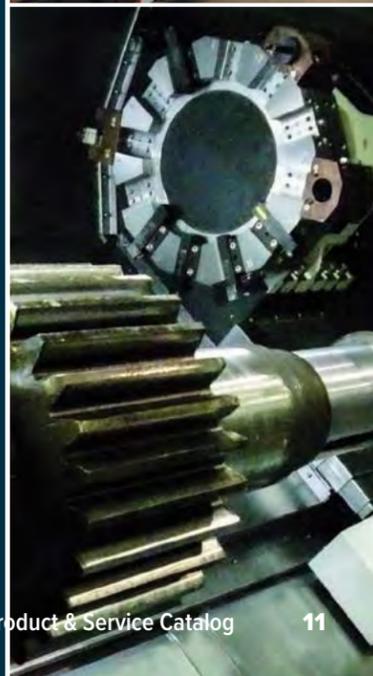
Flat Surface & Cylindrical Grinding



Custom Plate Cutting, Bending, & Rolling



NDT Inspections & Testing





Fully Equipped Repair Shops

Industrial Service Solutions provides full-service maintenance and repairs to all rotating equipment types, brands, and applications. Our UL Listed, ISO 9001:2015 certified, IEEE and EASE accredited shops are fully equipped to provide teardown, inspections, machining, fabrication, balancing, testing, and quality control services. Tenured, highly skilled technicians approach every job with an engineering mindset and specialize in never-been-done projects – if it doesn't exist, we'll create it. With end-to-end process control capability, we ensure a high-quality product that meets your exact specifications, delivered on time, and within budget.



Repair, Overhaul, & Remanufacturing



Custom Manufacturing & Patented Designs



Modifications & Re-Engineering



CNC Milling, Turning, Boring, & Grinding



Fabrication, Welding, & Metal Stitching



Predictive Maint. & Detailed Inspections



Cleaning, Degreasing, Metalizing & Coatings



Extensive Inventory of Spare Parts & Rentals



Equipment Storage to OEM Specs

MOTORS, GENERATORS, & PUMPS



AC & DC Rewinding up to 20,000 HP



VPI Treatment with Multi Resin Options



Precision Balancing & Vibration Analysis



Horizontal & Vertical Full/No Load Testing

COMPRESSORS



Compressor Overhaul & Repair



Air End Rebuilds to OEM Specifications



Cylinder, Pistons, & Packing Case Repair



Heat Exchanger Retubing & Repair

VALVES & ACTUATION



Authorized Repairs for most OEMs



Modifications, Conv., Grinding & Assembly



Complete Automated Valve Packages



In-Line Testing for Air, Water, & Steam

CONTROLS & AUTOMATION



System Integration & Start-Up



Retrofit, Upgrade, & Troubleshooting



SCADA, PLC, & HMI Design/Programming



UL 508A & UL 698A Panel Fabrication



AI-Driven Asset Monitoring

Spectare is an IoT platform that remotely monitors fixed and mobile assets in real-time. Easily collect data from any piece of industrial equipment and transform it into powerful AI-driven analytics to predict potential asset failures and assign solutions before they cause downtime. Spectare allows an operator to monitor and manage assets with real-time diagnostics, condition monitoring, predictive SMS text and/or email alerts and maintenance.

BENEFITS

- + Plug-and-play, simple to use, and easy to scale
- + Real-time visibility into asset status, condition, and performance for improved uptime and field service productivity
- + Diagnose problems with AI-driven predictive notifications sent via SMS text and/or email to the right person at the right time
- + On-demand access to expert technicians who have the know-how to quickly troubleshoot, diagnose, and yield solutions remotely
- + ISNetworld® member with elite safety record and safety programs that exceed industry averages

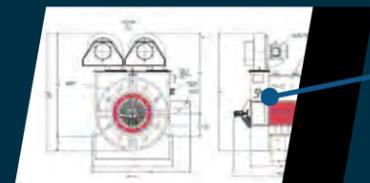
COMPATIBILITY

- + Motors
- + Boilers
- + Other Equipment Types
- + Pumps
- + Compressors
- + Valves
- + Turbines



CUSTOMER DASHBOARD

Easily view and manage all assets securely and accurately from a single dashboard by phone, tablet, laptop, or desktop.



ALERTS & NOTIFICATIONS

Alert the right person at the right time by SMS text and/or email.



USAGE INSIGHTS

View usage costs and determine asset upgrades from real-time operating data and performance analytics.



REMOTE SUPPORT

On-demand access to expert engineers and technicians who have the know-how to quickly troubleshoot, diagnose, and yield solutions.

PREDICTIVE MAINTENANCE

AI algorithms determine asset's condition from real-time and historical data to predict when maintenance should be performed.



FAILURE PREDICTION

AI algorithms identify anomalous behavior and alert operators by SMS text and/or email to take preventative action.

FIELD SERVICE DISPATCHING

Tenured, highly skilled technicians with fully-equipped mobile tooling trailers are available around-the-clock for unmatched response times.



SPARE PARTS MANAGEMENT

AI algorithms provide accurate forecasting of critical spare parts needed prior to failure, when to replace, and quantity to order.



SERVICE HISTORY MANAGEMENT

Upload prior service history records and sync with future service events.

ASSET LOCATION TRACKING

Track location of assets by name, make, model, or description. For mobile machines, optional GPS tracking is available.

CONTROLS





Control & Automation Systems

VFDs / Soft Starters / Controls / PLCs

Industrial Service Solutions is capable of handling and supplying all of your controls requirements and offer equipment from a large variety of industrial control manufacturers.

VARIABLE FREQUENCY DRIVES (VFDs)

We provide single-phase and three-phase VFDs for a variety of AC and DC applications, from small electric motors to high power induction motors.



SOFT STARTERS

We utilize soft starters to ensure the best performance for each application. They allow motors to start and stop in a smooth and efficient way, which protects the motor and the load from torque shocks or jolts.



CONTROLS

Our controls take your machines to the next level of performance. They can be tailored to any machine make or model and are free of restrictions on configurations, customizations, and data access.



PROGRAMMABLE LOGIC CONTROLLERS (PLCs)

Optimize panel space and simplify maintenance jobs by replacing auxiliary contactors, timers, and counters with PLCs designed for interlocking, timing, counting, and math operation tasks at high-speed.





Custom Panels Designed & Fabricated

Certified UL 508A Panel Shop

AC DRIVE / VFDs SYSTEMS

We provide AC variable frequency drives (VFDs) for heavy-duty industrial applications in the most harshest of environments. We are a systems integrator providing tailored solutions to your exact specifications.

DC DRIVE / SCR SYSTEMS

We have over 40 years experience in SCR drive design. This allows us to provide SCR systems of any size and complexity. All components of our designed SCR systems are generic and not proprietary.

GENERATOR CONTROL PANELS

Our controls utilize Woodward or Basler Generator Control Modules, which facilitate engine control, synchronization, kW load control, re-active (KVAR) control, automatic generator sequencing, generator and engine protection, and communication interface and display.

MOTOR CONTROL CENTERS (MCCs)

We can integrate any system on the market. Our motor control centers are customized to match your equipment. We can package MCCs inside e-houses that come pre-wired and ready to use.

SWITCHGEAR CABINETS

We build low, medium, and high voltage switchgears for heavy-duty applications. Our switchgears are built to your specifications and meet all regulatory requirements.





Custom E-Houses & Power Distribution Centers

Mobile / Semi-Mobile / Fixed / Skid / Onboard

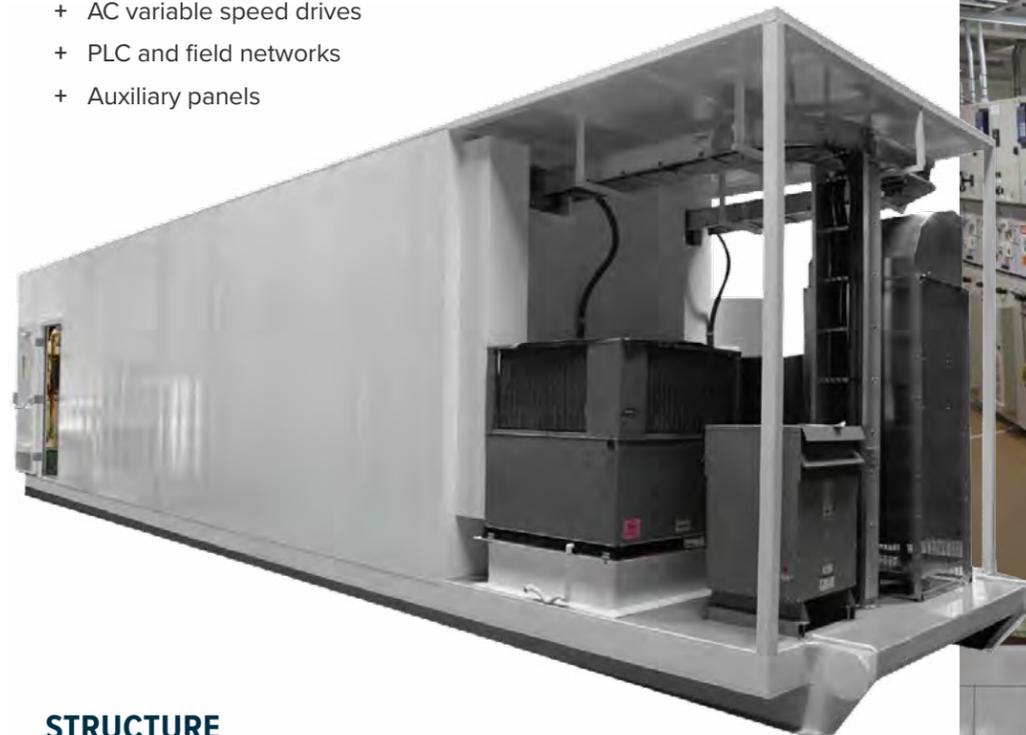
APPLICATIONS

- + Mining & Metals
- + Oil & Gas
- + Power Generation
- + Processing Industries

Industrial Service Solutions integrates complete electrical and automation systems to specification and packages them in custom e-houses, control consoles, and containers. Each unit is delivered assembled, interconnected, and fully tested at the factory. There are no size limitations and can be used in many different environments, from the arctic to the tropics.

COMPONENTS

- + Medium voltage switchgear and controls
- + Medium and low voltage Motor Control Centers (MCCs)
- + Dry and oil transformers
- + Control panels and protection relays
- + Air conditioning and pressurization systems
- + Fire detection and extinguishing system
- + UPS system back-up integration, battery banks and rectifiers
- + Medium and low voltage soft starters and frequency inverters
- + Automation system, including supervisory and control stations
- + DC SCR system for drilling applications
- + AC variable speed drives
- + PLC and field networks
- + Auxiliary panels



STRUCTURE

- + Wall, ceiling, and roof frames made from square steel tubes
- + Thermal insulated walls and ceiling constructed from steel galvanized sheets and rock wool
- + Thermal insulated doors with stainless steel hinges
- + Weld and painting processes inspected by accredited personnel
- + Options: gutters, platforms, catwalks, ladders, railings, hand rails, anti-slip floor paint, and acid/corrosion resistant coating





Replacement Parts for Control Panels



Circuit Breakers



Contactors



Relays



Push Buttons



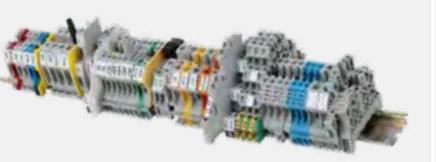
Pilot Lights



Switches



Quick Disconnects



Terminal Blocks

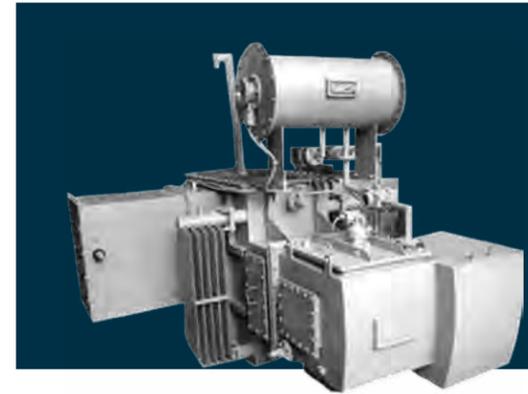
Other Spare Parts



Generators 30kW – 5000kW

New & Remanufactured

We provide both new and remanufactured generators from 30kW to 5000kW. Generators can be built from 240V to 12kV. All generators are built to strict industry standards and customer specifications and come with a one year parts and labor warranty.

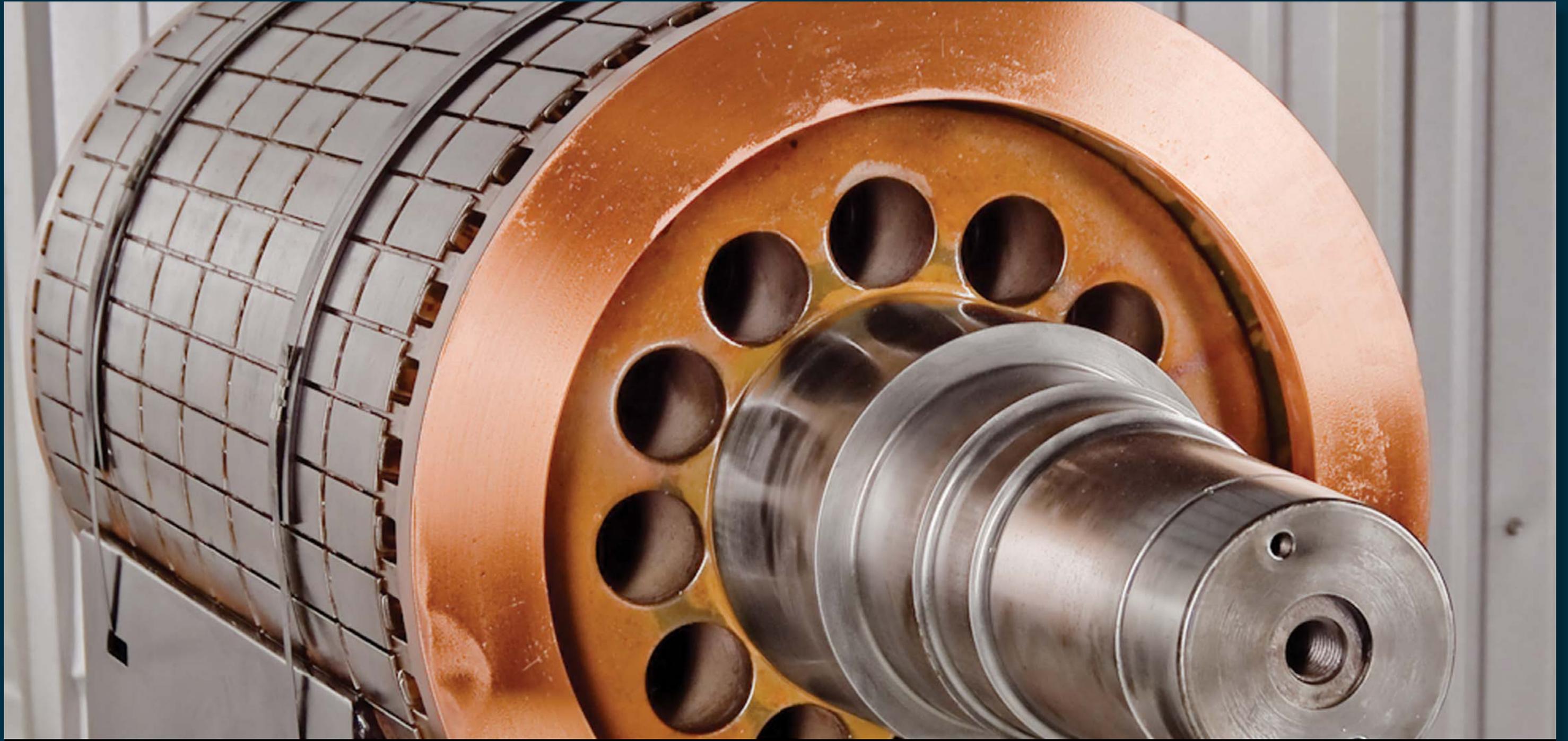


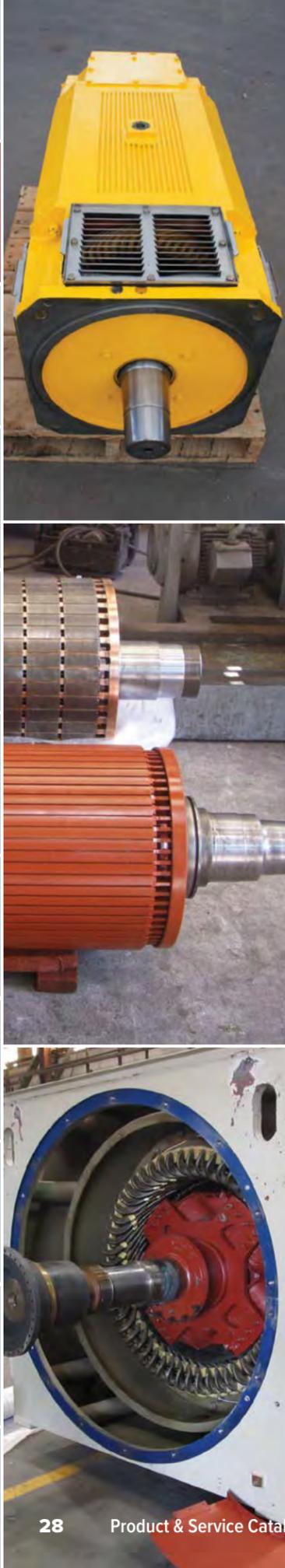
Transformers

New & Remanufactured

We provide transformers for almost every type of application. Our staff can assist you in choosing a designed transformer to meet your individual factors such as voltage, power, climate, system topography, sound level, and many more.

MOTORS





Motor & Generator Repairs, Rebuilds, & Upgrades

Industrial Service Solutions specializes in full-service repairs, rebuilds, and upgrades for all rotating equipment types, brands, and applications, from fractional horsepower to assets weighing hundreds of tons. Our facilities are fully equipped to provide teardown, inspection, evaluation, machining, fabrication, welding, balancing, testing, and quality control services. With end-to-end process control capability, we ensure a high-quality product that meets your exact specifications, delivered on time and within budget.

- + Single & Three Phase
- + AC Squirrel Cage
- + AC Wound Rotor
- + AC Brushless
- + AC Slip Ring
- + DC Series
- + DC Shunt
- + Servo Motors
- + Specialty Motors
- + Explosion-Proof
- + UL-Approved
- + Generators
- + Transformers

Motor Rewinds & In-House Coil Manufacturing

We specialize in complete electric motor rewinding and our engineers offer a variety of coil designs and re-engineering services for higher efficiency and reliability. At Industrial Service Solutions, we comply with EASA and IEEE standards for rewinds and have CNC looping, taping, and forming machines for accurate and consistent results. Our regional repair shops are climate controlled with burn off ovens, vacuum pressure impregnation systems, and we manufacture coils in-house for absolute control over quality and lead times.

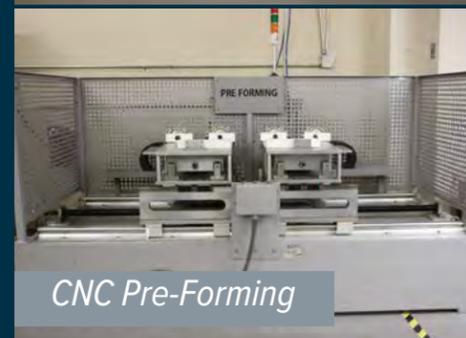
- + Wire Wound Stators & Rotors
- + Squirrel Cage Rotor Bars
- + Brake & Clutch Coils
- + Variable Speed Motors
- + Slip Ring Motors & Rotors
- + Soft & Formed Coil Stators
- + Commutators
- + Field Coils
- + Armature Coils
- + Interpoles
- + Shunt Coils



CNC Looping



CNC Taping



CNC Pre-Forming



CNC Forming





Comprehensive Testing

Industrial Service Solutions has one of the largest ISO 9001-2015 testing facilities in North America. We provide full load testing up to 6,000 HP and no load testing up to 25,000 HP at 15kV for both horizontal and vertical mounted motors. Our in-house engineers utilize state-of-the-art equipment, to comply with EASA and IEEE standards, and can meet any customer specification. Motor, generator, drive, and transformer testing capabilities include, but are not limited to:

- + AC Line Test up to 4,160 V
- + DC Line Test up to 600 V
- + No Load Test up to 25,000 HP
- + Full Load Test up to 6,000 HP
- + Computerized Core Loss Test
- + Insulation Resistance Test
- + Polarization Index Test
- + Hi-Pot Test up to 15 kV
- + Surge Comparison Test
- + AC & DC Voltage Drop Test
- + PdMA MCE Test
- + Armature Bar-to-Bar Test
- + Field Coil Polarity Test
- + High Current Rotor Test
- + Winding Resistance Test (Wheatstone Bridge)

COMPUTER RECORDINGS

- + Voltages
- + HP / kW
- + Speed
- + Temperature Rise
- + Currents
- + Efficiency
- + Vibration
- + Thermal Imaging

Custom Manufacturing

We design, engineer, manufacture, and service high-performance power systems for high-demand industrial applications. Our patented designs and proprietary processes deliver cost-effective solutions that last up to five years longer than our competition. We specialize in never-been-done projects – if it doesn't exist, we can develop it. From unique electrical and mechanical specifications to weight and footprint requirements, our highly skilled engineers provide innovative solutions to meet your exact needs.



Nationwide Field Services

Industrial Service Solutions' nationwide network of field experts and fully equipped service vehicles, including 53-foot mobile tooling trailers, are available around-the-clock for your unplanned maintenance and emergency repairs. Our tenured, highly skilled technicians have the know-how and independent capabilities to troubleshoot, diagnose, and yield solutions for all rotating equipment types, brands, and applications. At Industrial Service Solutions, our personnel are supported by a flex workforce of vetted talent for unmatched response and turnaround times.

- + Turnarounds, Shutdowns, & Outages
- + Preventative Maintenance
- + Start-up & Troubleshooting
- + Equipment Repairs & Overhauls
- + Electrical & Mechanical Repair
- + Specialty Rigging & Installation
- + Machining & Part Fabrication
- + Preventative Maintenance
- + Cryogenic Cleaning & Degreasing
- + Turnkey Project Services
- + Onsite Maintenance
- + Non-Destructive Testing
- + Laser & Optical Alignment
- + Performance Testing
- + Vibration Analysis
- + Dynamic Balancing
- + Infrared Thermal Imaging
- + Onsite Bearing Replacement



Brands We Represent

Industrial Service Solutions is a manufacturer and distributor of AC and DC motors, from fractionals to 5,000 HP and above. We provide distribution for the major OEMs below.



* Some brands may not be available in all geographic areas.



Dominator AC Motors

Horizontal & Vertical Mount

APPLICATIONS

- + Cement & Aggregates
- + Chemical & Petrochemical
- + Marine & Dredging
- + Mining & Metals
- + Municipal
- + Oil & Gas
- + Pulp & Paper
- + Power Generation
- + Recycling
- + Tire & Rubber

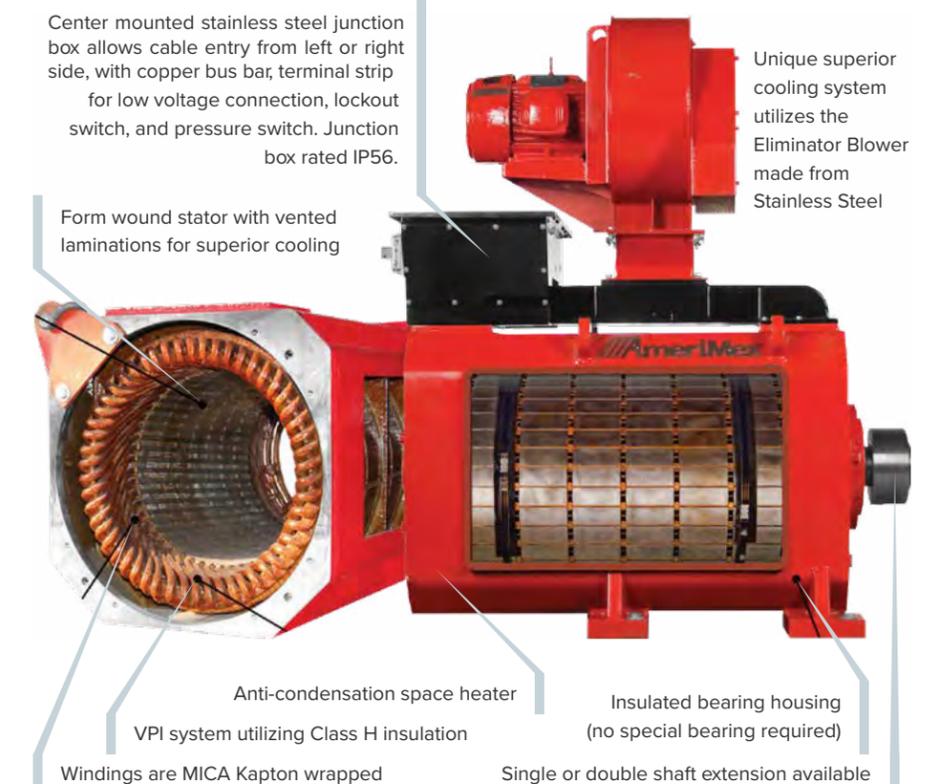
| HP | TORQUE | RPM | VOLTS | FREQ | AMPS |
|-------|---------------|-----|-------|-------|-------|
| 400 | 2,632 ft lbs | 798 | 575* | 45 Hz | 367 |
| 800 | 5,305 ft lbs | 792 | 550* | 40 Hz | 762 |
| 1,150 | 7,626 ft lbs | 792 | 565* | 40 Hz | 1,115 |
| 1,350 | 8,963 ft lbs | 791 | 550* | 40 Hz | 1,345 |
| 1,500 | 9,985 ft lbs | 789 | 550* | 40 Hz | 1,494 |
| 1,600 | 10,650 ft lbs | 789 | 550* | 40 Hz | 1,585 |
| 1,750 | 11,634 ft lbs | 790 | 575* | 40 Hz | 1,658 |
| 2,000 | 13,262 ft lbs | 792 | 575* | 45 Hz | 1,895 |
| 2,400 | 14,005 ft lbs | 900 | 575* | 45 Hz | 2,286 |

Medium voltage, various RPMs, & larger HP designs available. *Can be wound 480V, 600V, 690V, 2300V, & 4160V



Motors can be vertically mounted

Certifications Available:





Dominator Marine Motors

Horizontal & Vertical Mount

APPLICATIONS

- + Dredging
- + Marine

| HP | TORQUE | RPM | VOLTS | FREQ | AMPS |
|-------|---------------|-------|-------|-------|-------|
| 400 | 1,166 ft lbs | 1,800 | 690 | 60 Hz | 309 |
| 600 | 1,750 ft lbs | 1,800 | 690 | 60 Hz | 464 |
| 800 | 2,333 ft lbs | 1,800 | 690 | 60 Hz | 620 |
| 1,150 | 3,354 ft lbs | 1,800 | 690 | 60 Hz | 892 |
| 1,500 | 4,375 ft lbs | 1,800 | 690 | 60 Hz | 1,163 |
| 2,000 | 5,833 ft lbs | 1,800 | 690 | 60 Hz | 1,550 |
| 2,500 | 7,291 ft lbs | 1,800 | 690 | 60 Hz | 1,938 |
| 3,000 | 8,750 ft lbs | 1,800 | 690 | 60 Hz | 2,325 |
| 4,000 | 11,666 ft lbs | 1,800 | 690 | 60 Hz | 3,099 |
| 5,000 | 14,583 ft lbs | 1,800 | 690 | 60 Hz | 3,875 |

Medium voltage, various RPMs, and larger HP designs available.

FEATURES

- + Center mounted stainless steel junction box allows cable entry from left or right hand side, with copper bus bar, terminal strip for low voltage connection, lockout switch and pressure switch. Resistance temperature detectors connection point. Junction box is rated IP56.
- + Unique closed-loop cooling system
- + Form wound stator with vented laminations for superior cooling
- + Anti-condensation space heater
- + VPI system utilizing Class H insulation
- + Windings are MICA Kapton wrapped
- + Insulated bearing housing (no special bearing required)
- + Single or double shaft extension available

Certifications Available:



Dominator Mining Motors

Horizontal & Vertical Mount

APPLICATIONS

- + Boring
- + Conveyors
- + Crane & Hoist + Drag Lines
- + Rock Crushers
- + Rock Saws
- + Calcining Kilns
- + Drying Kilns

| HP | TORQUE | RPM | VOLTS | FREQ | AMPS |
|-------|---------------|-----|-------|-------|-------|
| 400 | 2,632 ft lbs | 798 | 575 | 45 Hz | 367 |
| 800 | 5,305 ft lbs | 792 | 550 | 40 Hz | 762 |
| 1,150 | 7,626 ft lbs | 792 | 565 | 40 Hz | 1,115 |
| 1,350 | 8,963 ft lbs | 791 | 550 | 40 Hz | 1,345 |
| 1,500 | 9,985 ft lbs | 789 | 550 | 40 Hz | 1,494 |
| 1,600 | 10,650 ft lbs | 789 | 550 | 40 Hz | 1,585 |
| 1,750 | 11,634 ft lbs | 790 | 575 | 40 Hz | 1,658 |
| 2,000 | 13,262 ft lbs | 792 | 575 | 45 Hz | 1,895 |
| 2,400 | 14,005 ft lbs | 900 | 575 | 45 Hz | 2,286 |

Medium voltage, various RPMs, and larger HP designs available. Please consult factory for details.

FEATURES

- + Center mounted stainless steel junction box allows cable entry from left or right hand side, with copper bus bar, terminal strip for low voltage connection, lockout switch and pressure switch. Resistance temperature detectors connection point. Junction box is rated IP56.
- + Form wound stator with vented laminations for superior cooling
- + Insulated bearing housing (no special bearing required)
- + Unique closed-loop cooling system
- + Anti-condensation space heater
- + VPI system utilizing Class H insulation
- + Windings are MICA Kapton wrapped
- + Single or double shaft extension available



Certifications Available:





Enforcer AC Motors

Horizontal & Vertical Mount

APPLICATIONS

- + Cement & Aggregates
- + Chemical & Petrochemical
- + Marine & Dredging
- + Mining & Metals
- + Municipal
- + Oil & Gas
- + Pulp & Paper
- + Power Generation
- + Recycling
- + Tire & Rubber

| HP | TORQUE | RPM | VOLTS | FREQ | AMPS |
|--------|---------------|-----|-------|-------|-------|
| 2,500 | 16,406 ft lbs | 800 | 690* | 40 Hz | 1,940 |
| 2,850 | 18,703 ft lbs | 800 | 690* | 40 Hz | 2,208 |
| 3,000 | 19,687 ft lbs | 800 | 690* | 40 Hz | 2,325 |
| 5,000 | 32,812 ft lbs | 800 | 690* | 40 Hz | 3,785 |
| 6,000 | 39,375 ft lbs | 800 | 690* | 40 Hz | 4,650 |
| 10,000 | 65,625 ft lbs | 800 | 690* | 40 Hz | 7,750 |

Medium voltage, various RPMs, and larger HP designs available.

*Can be wound to 480V, 600V, 690V, 2300V, and 4160V

FEATURES

- + Class H insulation
- + 50°C Ambient Temperature
- + Wye connection
- + VPI form wound coils
- + Ingress Protection IP44 (Open)
- + EExe Heaters installed
- + (6) 100 Platinum RTDs installed on windings (2 per phase)
- + Double tapered shaft
- + Slotted foot
- + Seals & bearing caps
- + Certified outline drawing
- + Certificate of compliance

Certifications Available:



Revolution AC Motors

Horizontal & Vertical Mount / Top Drive

APPLICATIONS

- + Cement & Aggregates
- + Chemical & Petrochemical
- + Marine & Dredging
- + Mining & Metals
- + Municipal
- + Oil & Gas
- + Pulp & Paper
- + Power Generation
- + Recycling
- + Tire & Rubber

| HP | TORQUE | RPM | VOLTS | FREQ | AMPS |
|-----|--------------|-------|-------|-------|------|
| 350 | 1,531 ft lbs | 1,200 | 575 | 40 Hz | 325 |
| 400 | 1,750 ft lbs | 1,200 | 575 | 40 Hz | 372 |
| 500 | 2,187 ft lbs | 1,200 | 575 | 40 Hz | 465 |
| 550 | 2,406 ft lbs | 1,200 | 575 | 40 Hz | 512 |
| 600 | 2,625 ft lbs | 1,200 | 575 | 40 Hz | 558 |

Medium voltage, various RPMs, and larger HP designs available.

FEATURES

- + Form wound 5kV stator windings control voltage spikes from long lead cables
- + Copper bar rotor construction (no die cast aluminum rotors used)
- + Heavy duty bearings for mechanical strength
- + Heat sink formed in stator for better heat dissipation
- + Optional cable leads or terminal block configuration with copper bus bar construction
- + Heavy duty end rings for high current carrying capacity
- + Heavy duty snap rings to keep the rotor from dropping on brake pads
- + Steel housing, retaining spring, and keeper
- + Upgraded heavy load bearing arrangement
- + 5kV lead cable
- + VPI Class H insulation
- + Double tapered shaft
- + DPFV enclosure
- + Safety wired
- + With covers
- + With brake hub



Certifications Available:





Custom DC Motors

New & Remanufactured

APPLICATIONS

- + Cement & Aggregates
- + Chemical & Petrochemical
- + Marine & Dredging
- + Mining & Metals
- + Municipal
- + Oil & Gas
- + Pulp & Paper
- + Power Generation
- + Recycling
- + Tire & Rubber

FEATURES

- + Custom built up to 5,000 HP
- + Eliminator cooling blower removes contaminants
- + Loss of blower protection device
- + Oversized junction box with copper bushbars
- + Full load tested
- + SCR Duty
- + Precision balance for low vibration
- + Removable commutator cover
- + Emergency replacement parts readily available
- + Two year warranty and 24/7 field service

OPTIONS

- + Safety lockout device
- + Vertical configuration
- + Explosion proof air pressure switch
- + TEWAC cooling for low noise operation
- + Copper split bearings
- + Double shaft
- + RTDs
- + Tachometer generator
- + Filtration package (5 micron or less)
- + Spare parts kit: 2 commutator coils, 2 shunt fields, 2 brush studs, 2 sets of brushes



Certifications Available:



Eliminator Cooling Blowers

Vertical & Horizontal Mount

APPLICATIONS

- + Dirty & Enclosed Environments
- + Chemical & Petrochemical
- + Marine & Dredging
- + Mining & Metals
- + Plastic & Extruding
- + Pulp & Paper

The patented, high-capacity Eliminator Cooling Blower is the most efficient blower on the market due to its unique blade design that centrifugally removes contamination from the air without the use of filters.

| HP | RPM | FREQ | CFM | PRESSURE |
|----|-------|-------|-------|----------|
| 10 | 1,800 | 60 Hz | 2,600 | 5 |
| 10 | 3,000 | 50 Hz | 2,500 | 7 |
| 10 | 3,600 | 60 Hz | 2,200 | 5 |
| 15 | 1,800 | 60 Hz | 2,800 | 5 |
| 15 | 3,000 | 50 Hz | - | - |
| 15 | 3,600 | 60 Hz | 2,800 | 5 |
| 20 | 3,600 | 60 Hz | 3,500 | 5 |

FEATURES

- + Eliminates premature failure on AC and DC motors caused by contamination
- + Leads industry in noise level with vertical or horizontal mounting options
- + Mounts on standard drilling motors including GE752, GEB20, GEB28, GEB29, and Dominator frames
- + Available in stainless and carbon steel



Certifications Available:





Closed-Loop Cooling Systems

For AC & DC Motors

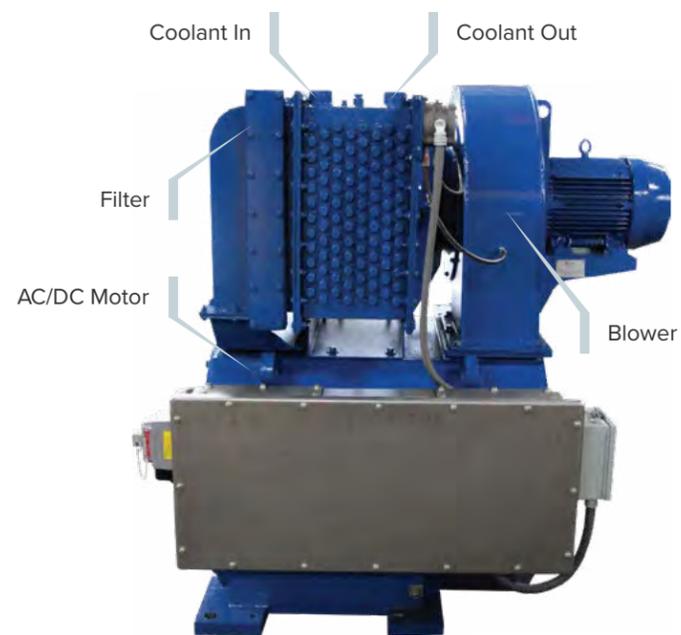


APPLICATIONS

- + Dirty Environments
- + High Temperatures
- + Marine & Dredging
- + Plastic & Extruding
- + Pulp & Paper
- + Offshore Drilling
- + Tire & Rubber

Our closed-loop cooling system is designed to provide sufficient cooling to most AC and DC motors. This greatly eliminates downtime and expensive alternatives.

| MODELS | 5 HP | 7.5 HP | 10 HP | 20 HP | 25 HP |
|--------|------|--------|-------|-------|-------|
|--------|------|--------|-------|-------|-------|



Certifications Available:



Bug Blowers

Floor, Skid, & Bulkhead Mount



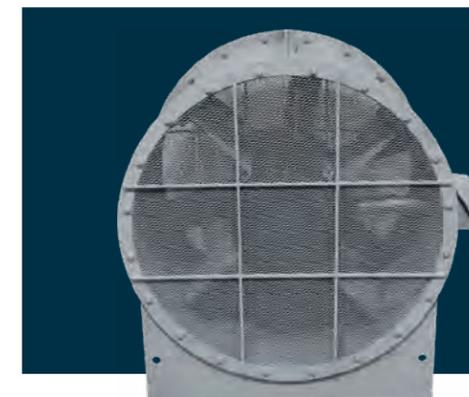
Certifications Available:



| SIZE | CFM | HP | RPM | VOLTS | FREQ | WT |
|------|--------|-----|-------|-------|------|---------|
| 24" | 6,000 | 2 | 1,800 | 460 | 60Hz | 400 lbs |
| 48" | 25,000 | 3 | 900 | 460 | 60Hz | 650 lbs |
| 50" | 25,000 | 5 | - | 460 | 60Hz | 530 lbs |
| | 38,000 | 5 | 1,200 | 460 | 60Hz | 680 lbs |
| | 40,000 | 7.5 | 1,200 | 460 | 60Hz | 766 lbs |

Axial Fans

Floor, Skid, & Bulkhead Mount



| SIZE | CFM | FPM | BHP | RPM | MAX RPM |
|------|--------|-------|-----|-------|---------|
| 55" | 85,000 | 5,130 | 53 | 1,172 | 1,500 |

FEATURES

- + Three phase motor
- + Motor in TEFC enclosure
- + Starter in explosion proof enclosure
- + Cast aluminum impeller
- + Carbon steel blowerp
- + 360° horizontal rotation
- + Floor, skid, bulkhead mounted
- + Lifting eye on fan housing
- + Painted safety yellow
- + Power cable not included

Certifications Available:





Single-Phase Motors TEFC Rolled Steel

Foot Mount / General Purpose Motors



Single-Phase Motors TEFC Rolled Steel

C-Face / General Purpose Motors

APPLICATIONS

- + General Purpose in Damp & Dusty/Dirty Environments
- + Compressors
- + Fans
- + Material Handling
- + Pumps

FEATURES

- + High Efficient
- + Design B
- + Class F Insulation
- + 40°C Ambient Temperature
- + Double Shielded Bearings
- + Rolled Steel Frame & Aluminum End Shield

| HP | RPM | VOLTS | FRAME | MODEL | SF | FL AMPS | FL EFF | WT |
|-----|------|-----------|-------|----------|------|------------|--------|---------|
| | | | | | | | | |
| 1/4 | 3600 | 115 / 230 | 48 | RS142T01 | 1 | 3.4 / 1.7 | 61% | 17 lbs |
| | 1800 | 115 / 230 | 48 | RS144T01 | 1 | 4.2 / 2.1 | 65% | 19 lbs |
| 1/3 | 3600 | 115 / 230 | 48 | RS132T01 | 1.15 | 4.2 / 2.1 | 65% | 21 lbs |
| | | 115 / 230 | 56 | RS132T02 | 1.35 | 5.2 / 2.6 | 58% | 23 lbs |
| | 1800 | 115 / 230 | 48 | RS134T01 | 1.15 | 5.2 / 2.6 | 68% | 23 lbs |
| | | 115 / 230 | 56 | RS134T02 | 1 | 4.8 / 2.4 | 65% | 22 lbs |
| 1/2 | 3600 | 115 / 230 | 48 | RS122T01 | 1.15 | 5.8 / 2.9 | 69% | 23 lbs |
| | | 115 / 230 | 56 | RS122T02 | 1.15 | 6.6 / 3.3 | 65% | 26 lbs |
| | 1800 | 115 / 230 | 48 | RS124T01 | 1.15 | 7.2 / 3.6 | 71% | 26 lbs |
| | | 115 / 230 | 56 | RS124T02 | 1.25 | 6.4 / 3.2 | 69% | 23 lbs |
| 3/4 | 3600 | 115 / 230 | 56 | RS342T01 | 1.15 | 8.6 / 4.3 | 70% | 30 lbs |
| | 1800 | 115 / 230 | 56 | RS344T01 | 1 | 8.8 / 4.4 | 73% | 25 lbs |
| 1 | 3600 | 115 / 230 | 56 | RS12T01 | 1.15 | 10.8 / 5.4 | 73% | 36 lbs |
| | 1800 | 115 / 230 | 56 | RS14T01 | 1.15 | 11.2 / 5.6 | 75% | 40 lbs |
| 1.5 | 3600 | 115 / 230 | 143T | RS322T01 | 1.15 | 13.8 / 6.9 | 74% | 45 lbs |
| | 1800 | 115 / 230 | 145T | RS324T01 | 1 | 13.4 / 6.7 | 76% | 48 lbs |
| 2 | 3600 | 115 / 230 | 56 | RS22T01 | 1.15 | 18.0 / 9.0 | 76% | 40 lbs |
| | | 230 | 182T | RS22T02 | 1.15 | 9 | 76% | 51 lbs |
| | 1800 | 115 / 230 | 56 | RS24T01 | 1.15 | 17.8 / 8.9 | 77% | 75 lbs |
| | | 230 | 182T | RS24T02 | 1.15 | 8.9 | 77% | 77 lbs |
| 3 | 3600 | 230 | 182T | RS32T01 | 1 | 13.1 | 78% | 81 lbs |
| | 1800 | 230 | 182T | RS34T01 | 1 | 13 | 79% | 75 lbs |
| 5 | 3600 | 230 | 184T | RS52T01 | 1 | 21.3 | 80% | 97 lbs |
| | 1800 | 230 | 184T | RS54T01 | 1 | 20.8 | 82% | 90 lbs |
| 7.5 | 3600 | 230 | 213T | RS72T01 | 1 | 30.9 | 83% | 86 lbs |
| | 1800 | 230 | 213T | RS74T01 | 1 | 30.5 | 84% | 126 lbs |
| 10 | 3600 | 230 | 215T | RS102T01 | 1 | 40.2 | 85% | 130 lbs |
| | 1800 | 230 | 215T | RS104T01 | 1 | 39.7 | 86% | 135 lbs |

Dimensions & Mounting
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APPLICATIONS

- + General Purpose in Damp & Dusty/Dirty Environments
- + Compressors
- + Fans
- + Material Handling
- + Pumps

FEATURES

- + High Efficient
- + Design B
- + Class F Insulation
- + 40°C Ambient Temperature
- + Double Shielded Bearings
- + Rolled Steel Frame & Aluminum End Shield

| HP | RPM | VOLTS | FRAME | MODEL | | SF | FL AMPS | FL EFF | WT |
|-----|------|-----------|-------|----------|----------|------|------------|--------|--------|
| | | | | FOOTED | FOOTLESS | | | | |
| 1/4 | 3600 | 115 / 230 | 48C | RS142T11 | RS142T21 | 1 | 3.4 / 1.7 | 61% | 17 lbs |
| | 1800 | 115 / 230 | 48C | RS144T11 | RS144T21 | 1 | 4.2 / 2.1 | 65% | 19 lbs |
| 1/3 | 3600 | 115 / 230 | 48C | RS132T11 | RS132T21 | 1.15 | 4.2 / 2.1 | 65% | 21 lbs |
| | | 115 / 230 | 56C | RS132T12 | RS132T22 | 1.35 | 5.2 / 2.6 | 58% | 23 lbs |
| | 1800 | 115 / 230 | 48C | RS134T11 | RS134T21 | 1.15 | 5.2 / 2.6 | 68% | 23 lbs |
| | | 115 / 230 | 56C | RS134T12 | RS134T22 | 1 | 4.8 / 2.4 | 65% | 22 lbs |
| 1/2 | 3600 | 115 / 230 | 48C | RS122T11 | RS122T21 | 1.15 | 5.8 / 2.9 | 69% | 23 lbs |
| | | 115 / 230 | 56C | RS122T12 | RS122T22 | 1.15 | 6.6 / 3.3 | 65% | 26 lbs |
| | 1800 | 115 / 230 | 48C | RS124T11 | RS124T21 | 1.15 | 7.2 / 3.6 | 71% | 26 lbs |
| | | 115 / 230 | 56C | RS124T12 | RS124T22 | 1.25 | 6.4 / 3.2 | 69% | 23 lbs |
| 3/4 | 3600 | 115 / 230 | 56C | RS342T11 | RS342T21 | 1.15 | 8.6 / 4.3 | 70% | 30 lbs |
| | 1800 | 115 / 230 | 56C | RS344T11 | RS344T21 | 1 | 8.8 / 4.4 | 73% | 25 lbs |
| 1 | 3600 | 115 / 230 | 56C | RS12T11 | RS12T21 | 1.15 | 10.8 / 5.4 | 73% | 36 lbs |
| | 1800 | 115 / 230 | 56C | RS14T11 | RS14T21 | 1.15 | 11.2 / 5.6 | 75% | 40 lbs |
| 1.5 | 3600 | 115 / 230 | 143TC | RS322T11 | RS322T21 | 1.15 | 13.8 / 6.9 | 74% | 45 lbs |
| | 1800 | 115 / 230 | 145TC | RS324T11 | RS324T21 | 1 | 13.4 / 6.7 | 76% | 48 lbs |
| 2 | 3600 | 115 / 230 | 56C | RS22T11 | RS22T21 | 1.15 | 18.0 / 9.0 | 76% | 40 lbs |
| | | 230 | 145TC | RS22T12 | RS22T22 | 1.15 | 9 | 76% | 51 lbs |
| | 1800 | 115 / 230 | 145TC | RS24T11 | RS24T21 | 1.15 | 17.8 / 8.9 | 77% | 75 lbs |
| | | 230 | 182TC | RS32T11 | RS32T21 | 1 | 13.1 | 78% | 81 lbs |
| 3 | 3600 | 230 | 182TC | RS34T11 | RS34T21 | 1 | 13 | 79% | 75 lbs |
| | 1800 | 230 | 182TC | RS34T11 | RS34T21 | 1 | 13 | 79% | 75 lbs |
| 5 | 3600 | 230 | 184TC | RS52T11 | RS52T21 | 1 | 21.3 | 80% | 97 lbs |
| | 1800 | 230 | 184TC | RS54T11 | RS54T21 | 1 | 20.8 | 82% | 90 lbs |

Dimensions & Mounting
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Single-Phase Motors ODP Rolled Steel

Foot Mount / General Purpose Motors



Single-Phase Motors ODP Rolled Steel

C-Face / General Purpose Motors

APPLICATIONS

- + General Purpose where Contaminants are Minimal
- + Compressors
- + Fans
- + Material Handling
- + Pumps

FEATURES

- + High Efficient
- + Design B
- + Class F Insulation
- + 40°C Ambient Temperature
- + Double Shielded Bearings
- + Rolled Steel Frame & Aluminum End Shield

| HP | RPM | VOLTS | FRAME | MODEL | | SF | FL AMPS | FL EFF | WT |
|-----|------|-----------|-------|----------|------|------------|---------|---------|----|
| | | | | | | | | | |
| 1/4 | 3600 | 115 / 230 | 48 | RS142D01 | 1 | 3.4 / 1.7 | 61% | 17 lbs | |
| | 1800 | 115 / 230 | 48 | RS144D01 | 1 | 4.2 / 2.1 | 65% | 19 lbs | |
| 1/3 | 3600 | 115 / 230 | 48 | RS132D01 | 1.15 | 4.2 / 2.1 | 65% | 21 lbs | |
| | | 115 / 230 | 56 | RS132D02 | 1.35 | 5.2 / 2.6 | 58% | 23 lbs | |
| | 1800 | 115 / 230 | 48 | RS134D01 | 1.15 | 5.2 / 2.6 | 68% | 23 lbs | |
| | | 115 / 230 | 56 | RS134D02 | 1 | 4.8 / 2.4 | 65% | 22 lbs | |
| 1/2 | 3600 | 115 / 230 | 48 | RS122D01 | 1.15 | 5.8 / 2.9 | 69% | 23 lbs | |
| | | 115 / 230 | 56 | RS122D02 | 1.15 | 6.6 / 3.3 | 65% | 26 lbs | |
| | 1800 | 115 / 230 | 48 | RS124D01 | 1.15 | 7.2 / 3.6 | 71% | 26 lbs | |
| | | 115 / 230 | 56 | RS124D02 | 1.25 | 6.4 / 3.2 | 69% | 23 lbs | |
| 3/4 | 3600 | 115 / 230 | 56 | RS342D01 | 1.15 | 8.6 / 4.3 | 70% | 30 lbs | |
| | 1800 | 115 / 230 | 56 | RS344D01 | 1 | 8.8 / 4.4 | 73% | 25 lbs | |
| 1 | 3600 | 115 / 230 | 56 | RS12D01 | 1.15 | 10.8 / 5.4 | 73% | 36 lbs | |
| | 1800 | 115 / 230 | 56 | RS14D01 | 1.15 | 11.2 / 5.6 | 75% | 40 lbs | |
| 1.5 | 3600 | 115 / 230 | 143T | RS322D01 | 1.15 | 13.8 / 6.9 | 74% | 45 lbs | |
| | 1800 | 115 / 230 | 145T | RS324D01 | 1 | 13.4 / 6.7 | 76% | 48 lbs | |
| 2 | 3600 | 115 / 230 | 56 | RS22D01 | 1.15 | 18.0 / 9.0 | 76% | 40 lbs | |
| | | 230 | 182T | RS22D02 | 1.15 | 9 | 76% | 51 lbs | |
| | 1800 | 115 / 230 | 56 | RS24D01 | 1.15 | 17.8 / 8.9 | 77% | 75 lbs | |
| | | 230 | 182T | RS24D02 | 1.15 | 8.9 | 77% | 77 lbs | |
| 3 | 3600 | 230 | 182T | RS32D01 | 1 | 13.1 | 78% | 81 lbs | |
| | 1800 | 230 | 182T | RS34D01 | 1 | 13 | 79% | 75 lbs | |
| 5 | 3600 | 230 | 184T | RS52D01 | 1 | 21.3 | 80% | 97 lbs | |
| | 1800 | 230 | 184T | RS54D01 | 1 | 20.8 | 82% | 90 lbs | |
| 7.5 | 3600 | 230 | 213T | RS72D01 | 1 | 30.9 | 83% | 86 lbs | |
| | 1800 | 230 | 213T | RS74D01 | 1 | 30.5 | 84% | 126 lbs | |
| 10 | 3600 | 230 | 215T | RS102D01 | 1 | 40.2 | 85% | 130 lbs | |
| | 1800 | 230 | 215T | RS104D01 | 1 | 39.7 | 86% | 135 lbs | |

Dimensions & Mounting
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APPLICATIONS

- + General Purpose where Contaminants are Minimal
- + Compressors
- + Fans
- + Material Handling
- + Pumps

FEATURES

- + High Efficient
- + Design B
- + Class F Insulation
- + 40°C Ambient Temperature
- + Double Shielded Bearings
- + Rolled Steel Frame & Aluminum End Shield

| HP | RPM | VOLTS | FRAME | MODEL | | SF | FL AMPS | FL EFF | WT |
|-----|------|-----------|-------|----------|----------|------|------------|--------|--------|
| | | | | FOOTED | FOOTLESS | | | | |
| 1/4 | 3600 | 115 / 230 | 48C | RS142D11 | RS142D21 | 1.35 | 3.8 / 1.9 | 58% | 17 lbs |
| | 1800 | 115 / 230 | 48C | RS144D11 | RS144D21 | 1.35 | 4.6 / 2.3 | 61% | 19 lbs |
| 1/3 | 3600 | 115 / 230 | 48C | RS132D11 | RS132D21 | 1.35 | 4.8 / 2.4 | 62% | 21 lbs |
| | | 115 / 230 | 56C | RS132D12 | RS132D22 | 1.35 | 5.2 / 2.6 | 58% | 23 lbs |
| | 1800 | 115 / 230 | 48C | RS134D11 | RS134D21 | 1.35 | 5.4 / 2.7 | 65% | 23 lbs |
| | | 115 / 230 | 56C | RS134D12 | RS134D22 | 1.35 | 4.8 / 2.4 | 65% | 22 lbs |
| 1/2 | 3600 | 115 / 230 | 48C | RS122D11 | RS122D21 | 1.25 | 6.2 / 3.1 | 68% | 23 lbs |
| | | 115 / 230 | 56C | RS122D12 | RS122D22 | 1.25 | 6.6 / 3.3 | 65% | 26 lbs |
| | 1800 | 115 / 230 | 48C | RS124D11 | RS124D21 | 1.25 | 7.6 / 3.8 | 69% | 26 lbs |
| | | 115 / 230 | 56C | RS124D12 | RS124D21 | 1.25 | 6.4 / 3.2 | 69% | 23 lbs |
| 3/4 | 3600 | 115 / 230 | 56C | RS342D11 | RS342D21 | 1.25 | 8.6/4.3 | 70% | 30 lbs |
| | 1800 | 115 / 230 | 56C | RS344D11 | RS342D21 | 1.25 | 8.8 / 4.4 | 73% | 25 lbs |
| 1 | 3600 | 115 / 230 | 56C | RS12D11 | RS12D21 | 1.25 | 10.8 / 5.4 | 73% | 36 lbs |
| | 1800 | 115 / 230 | 56C | RS14D11 | RS14D21 | 1.15 | 11.2 / 5.6 | 75% | 40 lbs |
| 1.5 | 3600 | 115 / 230 | 143TC | RS322D11 | RS322D21 | 1.15 | 13.8 / 6.9 | 74% | 45 lbs |
| | 1800 | 115 / 230 | 145TC | RS324D11 | RS344D21 | 1.15 | 13.4 / 6.7 | 76% | 48 lbs |
| 2 | 3600 | 115 / 230 | 145TC | RS22D11 | RS22D21 | 1.15 | 18.0 / 9.0 | 76% | 40 lbs |
| | | 115 / 230 | 145TC | RS24D11 | RS24D21 | 1.15 | 17.8 / 8.9 | 77% | 75 lbs |
| | 1800 | 230 | 182TC | RS32D11 | RS32D21 | 1.15 | 13.1 | 78% | 81 lbs |
| | | 230 | 184TC | RS34D11 | RS34D21 | 1.15 | 13 | 79% | 78 lbs |
| 3 | 3600 | 230 | 184TC | RS52D11 | RS52D21 | 1.15 | 21.3 | 80% | 97 lbs |
| | 1800 | 230 | 184TC | RS54D11 | RS54D21 | 1.15 | 20.8 | 82% | 90 lbs |

Dimensions & Mounting
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Three-Phase Motors TEFC Rolled Steel

Foot Mount / General Purpose Motors



Three-Phase Motors TEFC Rolled Steel

C-Face / General Purpose Motors

APPLICATIONS

- + General Purpose in Damp & Dusty/Dirty Environments
- + Compressors
- + Fans
- + Material Handling
- + Pumps

FEATURES

- + High Efficient
- + Design B
- + Class F Insulation
- + 40°C Ambient Temperature
- + Double Shielded Bearings
- + Rolled Steel Frame & Aluminum End Shield

| HP | RPM | VOLTS | FRAME | MODEL | | SF | FL AMPS | FL EFF | WT |
|------|------|-----------|-----------|----------|---------|-------------|-------------|---------|--------|
| | | | | | | | | | |
| 1/4 | 3600 | 230 / 460 | 48 | RT142T01 | 1 | 1.11 / 0.55 | 68% | 17 lbs | |
| | 1800 | 230 / 460 | 48 | RT144T01 | 1 | 1.25 / 0.63 | 60.2% | 19 lbs | |
| 1/3 | 3600 | 230 / 460 | 48 | RT132T01 | 1 | 1.15 / 0.57 | 72% | 21 lbs | |
| | | 230 / 460 | 56 | RT132T02 | 1 | 1.16 / 0.58 | 72% | 23 lbs | |
| | 1800 | 230 / 460 | 48 | RT134T01 | 1 | 1.32 / 0.66 | 67% | 23 lbs | |
| | | 230 / 460 | 56 | RT134T02 | 1 | 1.38 / 0.69 | 67% | 22 lbs | |
| 1/2 | 3600 | 230 / 460 | 48 | RT122T01 | 1 | 1.57 / 0.78 | 74% | 23 lbs | |
| | | 230 / 460 | 56 | RT122T02 | 1 | 1.65 / 0.83 | 74% | 26 lbs | |
| | 1800 | 230 / 460 | 48 | RT124T01 | 1 | 1.7 / 0.85 | 70% | 26 lbs | |
| | | 230 / 460 | 56 | RT124T02 | 1 | 1.84 / 0.92 | 70% | 23 lbs | |
| 3/4 | 3600 | 230 / 460 | 56 | RT342T01 | 1 | 2.34 / 1.17 | 76% | 30 lbs | |
| | 1800 | 230 / 460 | 56 | RT344T01 | 1 | 2.57 / 1.28 | 74% | 25 lbs | |
| 1 | 3600 | 230 / 460 | 143T | RT12T01 | 1.25 | 3.13 / 1.57 | 77% | 39 lbs | |
| | 1800 | 230 / 460 | 56 | RT14T01 | 1.25 | 2.98 / 1.49 | 85.5% | 42 lbs | |
| 1.5 | 3600 | 230 / 460 | 143T | RT322T01 | 1.25 | 3.96 / 1.98 | 84% | 51 lbs | |
| | 1800 | 230 / 460 | 143T | RT324T01 | 1.25 | 4.2 / 2.1 | 86.5% | 50 lbs | |
| 2 | 3600 | 230 / 460 | 145T | RT22T01 | 1.25 | 5.31 / 2.65 | 85.5% | 55 lbs | |
| | 1800 | 230 / 460 | 56 | RT24T01 | 1.25 | 5.65 / 2.83 | 86.5% | 52 lbs | |
| | | 230 / 460 | 145T | RT24T02 | 1.25 | 5.51 / 2.76 | 86.5% | 53 lbs | |
| | 3 | 3600 | 230 / 460 | 145T | RT32T01 | 1.25 | 7.71 / 3.59 | 86.5% | 83 lbs |
| 1800 | | 230 / 460 | 182T | RT34T01 | 1.25 | 7.81 / 3.91 | 89.5% | 76 lbs | |
| 5 | 3600 | 230 / 460 | 184T | RT52T01 | 1.25 | 11.5 / 5.77 | 88.5% | 98 lbs | |
| | 1800 | 230 / 460 | 184T | RT54T01 | 1.25 | 13.1 / 6.57 | 89.5% | 92 lbs | |
| 7.5 | 3600 | 230 / 460 | 184T | RT72T01 | 1.25 | 17.5 / 8.76 | 89.5% | 87 lbs | |
| | 1800 | 230 / 460 | 213T | RT74T01 | 1.25 | 18.1 / 9.17 | 91.7% | 128 lbs | |
| 10 | 3600 | 230 / 460 | 215T | RT102T01 | 1.25 | 23.7 / 11.9 | 90.2% | 123 lbs | |
| | 1800 | 230 / 460 | 215T | RT104T01 | 1.25 | 24.7 / 12.4 | 91.7% | 136 lbs | |

Dimensions & Mounting
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APPLICATIONS

- + General Purpose in Damp & Dusty/Dirty Environments
- + Compressors
- + Fans
- + Material Handling
- + Pumps

FEATURES

- + High Efficient
- + Design B
- + Class F Insulation
- + 40°C Ambient Temperature
- + Double Shielded Bearings
- + Rolled Steel Frame & Aluminum End Shield

| HP | RPM | VOLTS | FRAME | MODEL | | SF | FL AMPS | FL EFF | WT |
|-----|------|-----------|-------|----------|----------|------|-------------|--------|---------|
| | | | | FOOTED | FOOTLESS | | | | |
| 1/4 | 3600 | 230 / 460 | 48C | RT142T11 | RT142T21 | 1 | 1.11 / 0.55 | 68% | 17 lbs |
| | 1800 | 230 / 460 | 48C | RT144T11 | RT144T21 | 1 | 1.25 / 0.63 | 60.2% | 19 lbs |
| 1/3 | 3600 | 230 / 460 | 48C | RT132T11 | RT132T21 | 1 | 1.15 / 0.57 | 72% | 21 lbs |
| | | 230 / 460 | 56C | RT132T12 | RT132T22 | 1 | 1.16 / 0.58 | 72% | 23 lbs |
| | 1800 | 230 / 460 | 48C | RT134T11 | RT134T21 | 1 | 1.32 / 0.66 | 67% | 23 lbs |
| | | 230 / 460 | 56C | RT134T12 | RT134T22 | 1 | 1.38 / 0.69 | 67% | 22 lbs |
| 1/2 | 3600 | 230 / 460 | 48C | RT122T11 | RT122T21 | 1 | 1.57 / 0.78 | 74% | 23 lbs |
| | | 230 / 460 | 56C | RT122T12 | RT122T22 | 1 | 1.65 / 0.83 | 74% | 26 lbs |
| | 1800 | 230 / 460 | 48C | RT124T11 | RT124T21 | 1 | 1.7 / 0.85 | 70% | 26 lbs |
| | | 230 / 460 | 56C | RT124T12 | RT124T22 | 1 | 1.84 / 0.92 | 70% | 23 lbs |
| 3/4 | 3600 | 230 / 460 | 56C | RT342T11 | RT342T21 | 1 | 2.34 / 1.17 | 76% | 30 lbs |
| | 1800 | 230 / 460 | 56C | RT344T11 | RT344T21 | 1 | 2.57 / 1.28 | 74% | 25 lbs |
| 1 | 3600 | 230 / 460 | 143TC | RT12T11 | RT12T21 | 1.25 | 3.13 / 1.57 | 77% | 39 lbs |
| | 1800 | 230 / 460 | 56C | RT14T11 | RT14T21 | 1.25 | 2.98 / 1.49 | 85.5% | 42 lbs |
| 1.5 | 3600 | 230 / 460 | 143TC | RT322T11 | RT322T21 | 1.25 | 3.96 / 1.98 | 84% | 51 lbs |
| | 1800 | 230 / 460 | 143TC | RT324T11 | RT324T21 | 1.25 | 4.2 / 2.1 | 86.5% | 50 lbs |
| 2 | 3600 | 230 / 460 | 145TC | RT22T11 | RT22T21 | 1.25 | 5.31 / 2.65 | 85.5% | 55 lbs |
| | 1800 | 230 / 460 | 56C | RT24T11 | RT24T21 | 1.25 | 5.65 / 2.83 | 86.5% | 52 lbs |
| | | 230 / 460 | 145TC | RT24T12 | RT24T22 | 1.25 | 5.51 / 2.76 | 86.5% | 53 lbs |
| 3 | 3600 | 230 / 460 | 145TC | RT32T11 | RT32T21 | 1.25 | 7.71 / 3.59 | 86.5% | 83 lbs |
| | 1800 | 230 / 460 | 182TC | RT34T11 | RT34T21 | 1.25 | 7.81 / 3.91 | 89.5% | 76 lbs |
| 5 | 3600 | 230 / 460 | 184TC | RT52T11 | RT52T21 | 1.25 | 11.5 / 5.77 | 88.5% | 98 lbs |
| | 1800 | 230 / 460 | 184TC | RT54T11 | RT54T21 | 1.25 | 13.1 / 6.57 | 89.5% | 92 lbs |
| 7.5 | 3600 | 230 / 460 | 184TC | RT72T11 | RT72T21 | 1.25 | 17.5 / 8.76 | 89.5% | 87 lbs |
| | 1800 | 230 / 460 | 213TC | RT74T11 | RT74T21 | 1.25 | 18.1 / 9.17 | 91.7% | 128 lbs |
| 10 | 3600 | 230 / 460 | 215TC | RT102T11 | RT102T21 | 1.25 | 23.7 / 11.9 | 90.2% | 123 lbs |
| | 1800 | 230 / 460 | 215TC | RT104T11 | RT104T21 | 1.25 | 24.7 / 12.4 | 91.7% | 136 lbs |

Dimensions & Mounting
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Three-Phase Motors ODP Rolled Steel

Foot Mount / General Purpose Motors

APPLICATIONS

- + General Purpose where Contaminants are Minimal
- + Compressors
- + Fans
- + Material Handling
- + Pumps

FEATURES

- + High Efficient
- + Design B
- + Class F Insulation
- + 40°C Ambient Temperature
- + Double Shielded Bearings
- + Rolled Steel Frame & Aluminum End Shield

| HP | RPM | VOLTS | FRAME | MODEL | SF | FL AMPS | FL EFF | WT |
|-----|------|-----------|-------|----------|------|-------------|--------|---------|
| 1/4 | 3600 | 230 / 460 | 48 | RT142D01 | 1.35 | 111 / 0.55 | 68.1% | 17 lbs |
| | 1800 | 230 / 460 | 48 | RT144D01 | 1.35 | 1.25 / 0.63 | 60.2% | 19 lbs |
| 1/3 | 3600 | 230 / 460 | 48 | RT132D01 | 1.35 | 115 / 0.57 | 72% | 21 lbs |
| | | 230 / 460 | 56 | RT132D02 | 1.35 | 116 / 0.58 | 72% | 23 lbs |
| | 1800 | 230 / 460 | 48 | RT134D01 | 1.35 | 1.32 / 0.66 | 67% | 23 lbs |
| | | 230 / 460 | 56 | RT134D02 | 1.25 | 1.38 / 0.69 | 67% | 22 lbs |
| 1/2 | 3600 | 230 / 460 | 48 | RT142D01 | 1.25 | 1.53 / 0.76 | 74% | 23 lbs |
| | | 230 / 460 | 56 | RT142D02 | 1.25 | 1.61 / 0.83 | 74% | 26 lbs |
| | 1800 | 230 / 460 | 48 | RT144D01 | 1.25 | 1.7 / 0.85 | 70% | 26 lbs |
| | | 230 / 460 | 56 | RT144D02 | 1.25 | 1.84 / 0.92 | 70% | 23 lbs |
| 3/4 | 3600 | 230 / 460 | 48 | RT342D01 | 1.25 | 2.34 / 1.17 | 76% | 30 lbs |
| | 1800 | 230 / 460 | 56 | RT344D01 | 1.25 | 2.57 / 1.28 | 74% | 25 lbs |
| 1 | 3600 | 230 / 460 | 143T | RT12D01 | 1.15 | 3.13 / 1.57 | 77% | 39 lbs |
| | 1800 | 230 / 460 | 56H | RT14D01 | 1.15 | 2.89 / 1.49 | 85.5% | 42 lbs |
| 1.5 | 3600 | 230 / 460 | 143T | RT322D01 | 1.15 | 3.96 / 1.98 | 84% | 52 lbs |
| | 1800 | 230 / 460 | 56H | RT324D01 | 1.15 | 4.2 / 2.1 | 86.5% | 50 lbs |
| 2 | 3600 | 230 / 460 | 145T | RT222D01 | 1.15 | 5.31 / 2.65 | 85.5% | 54 lbs |
| | | 230 / 460 | 56HZ | RT224D02 | 1.15 | 5.51 / 2.76 | 86.5% | 53 lbs |
| | 1800 | 230 / 460 | 145T | RT224D01 | 1.15 | 5.65 / 2.83 | 86.5% | 52 lbs |
| 3 | 3600 | 230 / 460 | 182T | RT32D01 | 1.15 | 7.26 / 3.63 | 85.5% | 82 lbs |
| | 1800 | 230 / 460 | 182T | RT34D01 | 1.15 | 7.81 / 3.91 | 89.5% | 76 lbs |
| 5 | 3600 | 230 / 460 | 182T | RT52D01 | 1.15 | 11.8 / 5.9 | 86.5% | 98 lbs |
| | 1800 | 230 / 460 | 184T | RT54D01 | 1.15 | 13.1 / 6.57 | 89.5% | 92 lbs |
| 7.5 | 3600 | 230 / 460 | 184T | RT72D01 | 1.15 | 17.7 / 8.86 | 88.5% | 88 lbs |
| | 1800 | 230 / 460 | 213T | RT74D01 | 1.15 | 18.3 / 9.14 | 91% | 127 lbs |
| 10 | 3600 | 230 / 460 | 213T | RT102D01 | 1.15 | 23.9 / 12 | 89.5% | 122 lbs |
| | 1800 | 230 / 460 | 215T | RT104D01 | 1.15 | 24.7 / 12.4 | 91.7% | 136 lbs |

Dimensions & Mounting
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Three-Phase Motors ODP Rolled Steel

C-Face / General Purpose Motors

APPLICATIONS

- + General Purpose where Contaminants are Minimal
- + Compressors
- + Fans
- + Material Handling
- + Pumps

FEATURES

- + High Efficient
- + Design B
- + Class F Insulation
- + 40°C Ambient Temperature
- + Double Shielded Bearings
- + Rolled Steel Frame & Aluminum End Shield

| HP | RPM | VOLTS | FRAME | MODEL | | SF | FL AMPS | FL EFF | WT |
|-----|------|-----------|-------|----------|----------|------|-------------|--------|---------|
| | | | | FOOTED | FOOTLESS | | | | |
| 1/4 | 3600 | 230 / 460 | 48C | RT142D11 | RT142D21 | 1.35 | 111 / 0.55 | 68.1% | 17 lbs |
| | 1800 | 230 / 460 | 48C | RT144D11 | RT144D21 | 1.35 | 1.25 / 0.63 | 60.2% | 19 lbs |
| 1/3 | 3600 | 230 / 460 | 48C | RT132D11 | RT132D21 | 1.35 | 115 / 0.57 | 72% | 21 lbs |
| | | 230 / 460 | 56C | RT132D12 | RT132D22 | 1.35 | 116 / 0.58 | 72% | 23 lbs |
| | 1800 | 230 / 460 | 48C | RT134D11 | RT134D21 | 1.35 | 1.32 / 0.66 | 67% | 23 lbs |
| | | 230 / 460 | 56C | RT134D12 | RT134D22 | 1.25 | 1.38 / 0.69 | 67% | 22 lbs |
| 1/2 | 3600 | 230 / 460 | 48C | RT142D11 | RT142D21 | 1.25 | 1.53 / 0.76 | 74% | 23 lbs |
| | | 230 / 460 | 56C | RT142D12 | RT142D22 | 1.25 | 1.61 / 0.83 | 74% | 26 lbs |
| | 1800 | 230 / 460 | 48C | RT144D11 | RT144D21 | 1.25 | 1.7 / 0.85 | 70% | 26 lbs |
| | | 230 / 460 | 56C | RT144D12 | RT144D22 | 1.25 | 1.84 / 0.92 | 70% | 23 lbs |
| 3/4 | 3600 | 230 / 460 | 48C | RT342D11 | RT342D21 | 1.25 | 2.34 / 1.17 | 76% | 30 lbs |
| | 1800 | 230 / 460 | 56C | RT344D11 | RT344D21 | 1.25 | 2.57 / 1.28 | 74% | 25 lbs |
| 1 | 3600 | 230 / 460 | 143TC | RT12D11 | RT12D21 | 1.15 | 3.13 / 1.57 | 77% | 39 lbs |
| | 1800 | 230 / 460 | 56HC | RT14D11 | RT14D21 | 1.15 | 2.89 / 1.49 | 85.5% | 42 lbs |
| 1.5 | 3600 | 230 / 460 | 143TC | RT322D11 | RT322D21 | 1.15 | 3.96 / 1.98 | 84% | 52 lbs |
| | 1800 | 230 / 460 | 56HC | RT324D11 | RT324D21 | 1.15 | 4.2 / 2.1 | 86.5% | 50 lbs |
| 2 | 3600 | 230 / 460 | 145TC | RT222D11 | RT222D21 | 1.15 | 5.31 / 2.65 | 85.5% | 54 lbs |
| | | 230 / 460 | 145TC | RT224D11 | RT224D21 | 1.15 | 5.65 / 2.83 | 86.5% | 52 lbs |
| | 1800 | 230 / 460 | 56HZC | RT224D12 | RT224D22 | 1.15 | 5.51 / 2.76 | 86.5% | 53 lbs |
| 3 | 3600 | 230 / 460 | 182TC | RT32D11 | RT32D21 | 1.15 | 7.26 / 3.63 | 85.5% | 82 lbs |
| | 1800 | 230 / 460 | 182TC | RT34D11 | RT34D21 | 1.15 | 7.81 / 3.91 | 89.5% | 76 lbs |
| 5 | 3600 | 230 / 460 | 182TC | RT52D11 | RT52D21 | 1.15 | 11.8 / 5.9 | 86.5% | 98 lbs |
| | 1800 | 230 / 460 | 184TC | RT54D11 | RT54D21 | 1.15 | 13.1 / 6.57 | 89.5% | 92 lbs |
| 7.5 | 3600 | 230 / 460 | 184TC | RT72D11 | RT72D21 | 1.15 | 17.7 / 8.86 | 88.5% | 88 lbs |
| | 1800 | 230 / 460 | 213TC | RT74D11 | RT74D21 | 1.15 | 18.3 / 9.14 | 91% | 127 lbs |
| 10 | 3600 | 230 / 460 | 213TC | RT102D11 | RT102D21 | 1.15 | 23.9 / 12 | 89.5% | 122 lbs |
| | 1800 | 230 / 460 | 215TC | RT104D11 | RT104D21 | 1.15 | 24.7 / 12.4 | 91.7% | 136 lbs |

Dimensions & Mounting
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EISA High Efficiency Motors TEFC Cast Iron

Foot Mount / General Purpose Motors

APPLICATIONS

- + General Purpose in Damp & Dusty/Dirty Environments
- + Process Industries
- + Blowers
- + Compressors
- + Conveyors
- + Fans
- + Pumps

FEATURES

- + EISA Compliant High Efficient
- + Service Factor 1.15
- + Design C High Torque
- + Class F Insulation
- + 40°C Ambient Temperature
- + Cast Iron Frame & End Shield

| HP | RPM | VOLTS | FRAME | MODEL | FL AMPS | FL EFF | WT |
|---------------|---------------|---------------|----------|----------|---------|---------|---------|
| 1 | 3600 | 208-230 / 460 | 56 | HE12T01 | 1.44 | 81% | 44 lbs |
| | 1800 | 208-230 / 460 | 56 | HE14T01 | 1.47 | 80% | 46 lbs |
| | | 208-230 / 460 | 143T | HE14T02 | 1.49 | 82.5% | 47 lbs |
| | 1200 | 208-230 / 460 | 56 | HE16T01 | 1.92 | 76.7% | 46 lbs |
| 208-230 / 460 | | 145T | HE16T02 | 1.7 | 80% | 47 lbs | |
| 1.5 | 3600 | 208-230 / 460 | 56 | HE322T01 | 1.97 | 82.5% | 48 lbs |
| | | 208-230 / 460 | 143T | HE322T02 | 1.99 | 82.5% | 45 lbs |
| | 1800 | 208-230 / 460 | 56 | HE324T01 | 2.11 | 81% | 52 lbs |
| | | 208-230 / 460 | 145T | HE324T02 | 2.05 | 84% | 54 lbs |
| 1200 | 208-230 / 460 | 182T | HE326T01 | 2.38 | 85.5% | 77 lbs | |
| 2 | 3600 | 208-230 / 460 | 56 | HE22T01 | 2.67 | 84% | 58 lbs |
| | | 208-230 / 460 | 145T | HE22T02 | 2.6 | 84% | 47 lbs |
| | 1800 | 208-230 / 460 | 56 | HE24T01 | 2.84 | 82% | 61 lbs |
| | | 208-230 / 460 | 145T | HE24T02 | 2.7 | 84% | 56 lbs |
| 1200 | 208-230 / 460 | 184T | HE26T01 | 3.2 | 86.5% | 88 lbs | |
| 3 | 3600 | 208-230 / 460 | 56 | HE32T01 | 3.8 | 84.5% | 67 lbs |
| | | 208-230 / 460 | 182T | HE32T02 | 3.59 | 85.5% | 106 lbs |
| | 1800 | 208-230 / 460 | 182T | HE34T01 | 3.9 | 87.5% | 97 lbs |
| | | 208-230 / 460 | 213T | HE36T01 | 4.15 | 87.5% | 123 lbs |
| 1200 | 208-230 / 460 | 184T | HE52T01 | 5.9 | 87.5% | 114 lbs | |
| 5 | 1800 | 208-230 / 460 | 184T | HE54T01 | 6.48 | 87.5% | 102 lbs |
| | | 208-230 / 460 | 215T | HE56T01 | 6.8 | 87.5% | 175 lbs |
| | 1200 | 208-230 / 460 | 213T | HE72T01 | 8.66 | 88.5% | 150 lbs |
| | | 208-230 / 460 | 213T | HE74T01 | 9.53 | 89.5% | 150 lbs |
| 1200 | 208-230 / 460 | 254T | HE76T01 | 9.53 | 89.5% | 262 lbs | |
| 10 | 3600 | 208-230 / 460 | 215T | HE102T01 | 11.7 | 89.5% | 150 lbs |
| | 1800 | 208-230 / 460 | 215T | HE104T01 | 12.8 | 90.2% | 165 lbs |
| | 1200 | 208-230 / 460 | 256T | HE106T01 | 13.4 | 89.5% | 304 lbs |
| 15 | 3600 | 208-230 / 460 | 254T | HE152T01 | 17 | 90.2% | 280 lbs |
| | 1800 | 208-230 / 460 | 254T | HE154T01 | 17.9 | 91% | 266 lbs |
| | 1200 | 208-230 / 460 | 284T | HE156T01 | 17.3 | 91% | 346 lbs |
| 20 | 3600 | 208-230 / 460 | 256T | HE202T01 | 23.3 | 90.2% | 313 lbs |
| | 1800 | 208-230 / 460 | 256T | HE204T01 | 24.4 | 91% | 313 lbs |
| | 1200 | 208-230 / 460 | 286T | HE206T01 | 23.5 | 91% | 470 lbs |

(Continued)

| HP | RPM | VOLTS | FRAME | MODEL | FL AMPS | FL EFF | WT |
|---------------|------|---------------|---------------|-----------|----------|--------|----------|
| 25 | 3600 | 208-230 / 460 | 284TS | HE252T01 | 29 | 91% | 353 lbs |
| | 1800 | 208-230 / 460 | 284TS | HE254T01 | 29.6 | 92.4% | 437 lbs |
| | | 208-230 / 460 | 284T | HE254T02 | 29.6 | 92.4% | 437 lbs |
| 30 | 1200 | 208-230 / 460 | 324T | HE256T01 | 29.8 | 91.7% | 572 lbs |
| | 3600 | 208-230 / 460 | 286TS | HE302T01 | 33.8 | 91% | 404 lbs |
| | | 208-230 / 460 | 286TS | HE304T01 | 34.4 | 92.4% | 481 lbs |
| 30 | 1800 | 208-230 / 460 | 286T | HE304T02 | 34.4 | 92.4% | 481 lbs |
| | | 208-230 / 460 | 326T | HE306T01 | 35.4 | 91.7% | 625 lbs |
| | 1200 | 208-230 / 460 | 364T | HE406T01 | 47.1 | 93% | 992 lbs |
| 40 | 3600 | 208-230 / 460 | 324TS | HE402T01 | 46.1 | 91.7% | 561 lbs |
| | 1800 | 208-230 / 460 | 324TS | HE404T01 | 47.6 | 93% | 587 lbs |
| | | 208-230 / 460 | 324T | HE404T02 | 47.6 | 93% | 587 lbs |
| 40 | 1200 | 208-230 / 460 | 364T | HE406T01 | 47.1 | 93% | 992 lbs |
| | | 208-230 / 460 | 326TS | HE502T01 | 56.5 | 92.4% | 594 lbs |
| | 50 | 1800 | 208-230 / 460 | 326TS | HE504T01 | 57.8 | 93.6% |
| 208-230 / 460 | | | 326T | HE504T02 | 57.8 | 93.6% | 640 lbs |
| 60 | 1200 | 208-230 / 460 | 365T | HE506T01 | 58.1 | 93% | 992 lbs |
| | 3600 | 208-230 / 460 | 364TS | HE602T01 | 69 | 93% | 917 lbs |
| | | 208-230 / 460 | 364TS | HE604T01 | 67 | 93.6% | 963 lbs |
| 60 | 1800 | 208-230 / 460 | 364T | HE604T02 | 67 | 93.6% | 963 lbs |
| | | 208-230 / 460 | 404T | HE606T01 | 70.1 | 93.6% | 1222 lbs |
| | 1200 | 208-230 / 460 | 404T | HE606T01 | 70.1 | 93.6% | 1222 lbs |
| 75 | 3600 | 208-230 / 460 | 365TS | HE752T01 | 82.5 | 93% | 1025 lbs |
| | | 208-230 / 460 | 365TS | HE754T01 | 82.4 | 94.1% | 1010 lbs |
| | 1800 | 208-230 / 460 | 365T | HE754T02 | 82.4 | 94.1% | 1010 lbs |
| 1200 | | 208-230 / 460 | 405T | HE756T01 | 86.8 | 93.6% | 1291 lbs |
| 100 | 3600 | 208-230 / 460 | 405TS | HE1002T01 | 113 | 93.6% | 1361 lbs |
| | | 208-230 / 460 | 405TS | HE1004T01 | 115 | 94.5% | 1273 lbs |
| | 1800 | 208-230 / 460 | 405T | HE1004T02 | 115 | 94.5% | 1273 lbs |
| 1200 | | 208-230 / 460 | 444T | HE1006T01 | 121 | 94.1% | 1720 lbs |
| 125 | 3600 | 460 | 444TS | HE1252T01 | 131 | 94.5% | 1801 lbs |
| | | 460 | 444TS | HE1254T01 | 138 | 94.5% | 1647 lbs |
| | 1800 | 460 | 444T | HE1254T02 | 138 | 94.5% | 1647 lbs |
| | | 460 | 445T | HE1256T01 | 141 | 94.1% | 2050 lbs |
| 150 | 3600 | 460 | 445TS | HE1502T01 | 160 | 94.5% | 1865 lbs |
| | | 460 | 445TS | HE1504T01 | 168 | 95% | 1841 lbs |
| | 1800 | 460 | 445T | HE1504T02 | 168 | 95% | 1841 lbs |
| 1200 | | 460 | 447T | HE1506T01 | 171 | 95% | 2167 lbs |
| 200 | 3600 | 460 | 447TS | HE2002T01 | 223 | 95% | 2072 lbs |
| | | 460 | 445T | HE2004T01 | 230 | 95% | 2117 lbs |
| | 1800 | 460 | 447T | HE2004T02 | 230 | 95% | 2194 lbs |
| | | 460 | 447T | HE2006T01 | 236 | 95% | 2467 lbs |



EISA High Efficiency Motors TEFC Cast Iron

C-Face / General Purpose Motors

FEATURES

- + EISA Compliant High Efficient
- + Service Factor 1.15
- + Design C High Torque
- + Class F Insulation
- + 40°C Ambient Temperature
- + Cast Iron Frame & End Shield

APPLICATIONS

- + General Purpose in Damp & Dusty/Dirty Environments
- + Process Industries
- + Blowers
- + Compressors
- + Conveyors
- + Fans
- + Pumps

| HP | RPM | VOLTS | FRAME | MODEL | | FL AMPS | FL EFF | WT |
|-----|------|---------------|-------|----------|----------|---------|--------|---------|
| | | | | FOOTED | FOOTLESS | | | |
| 1 | 3600 | 208-230 / 460 | 56C | HE12T11 | HE12T21 | 1.44 | 81% | 44 lbs |
| | | | 56C | HE14T11 | HE14T21 | 1.47 | 80% | 46 lbs |
| | 1800 | 208-230 / 460 | 143TC | HE14T12 | HE14T22 | 1.49 | 82.5% | 47 lbs |
| | | | 56C | HE16T11 | HE16T21 | 1.92 | 76.7% | 46 lbs |
| | 1200 | 208-230 / 460 | 145TC | HE16T12 | HE16T22 | 1.7 | 80% | 47 lbs |
| | | | 56C | HE322T11 | HE322T21 | 1.97 | 82.5% | 48 lbs |
| 1.5 | 3600 | 208-230 / 460 | 143TC | HE322T12 | HE322T22 | 1.99 | 82.5% | 45 lbs |
| | | | 56C | HE324T11 | HE324T21 | 2.11 | 81% | 52 lbs |
| | 1800 | 208-230 / 460 | 145TC | HE324T12 | HE324T22 | 2.05 | 84% | 54 lbs |
| | | | 182TC | HE326T11 | HE326T21 | 2.38 | 85.5% | 77 lbs |
| | 1200 | 208-230 / 460 | 184TC | HE22T11 | HE22T21 | 2.67 | 84% | 58 lbs |
| | | | 145TC | HE22T12 | HE22T22 | 2.6 | 84% | 47 lbs |
| 2 | 3600 | 208-230 / 460 | 56C | HE24T11 | HE24T21 | 2.84 | 82% | 61 lbs |
| | | | 145TC | HE24T12 | HE24T22 | 2.7 | 84% | 56 lbs |
| | 1800 | 208-230 / 460 | 184TC | HE26T11 | HE26T21 | 3.2 | 86.5% | 88 lbs |
| | | | 56C | HE32T11 | HE32T21 | 3.8 | 84.5% | 67 lbs |
| | 1200 | 208-230 / 460 | 182TC | HE32T12 | HE32T22 | 3.59 | 85.5% | 106 lbs |
| | | | 182TC | HE34T11 | HE34T21 | 3.9 | 87.5% | 97 lbs |
| 3 | 3600 | 208-230 / 460 | 213TC | HE36T11 | HE36T21 | 4.15 | 87.5% | 123 lbs |
| | | | 184TC | HE52T11 | HE52T21 | 5.9 | 87.5% | 114 lbs |
| | 1800 | 208-230 / 460 | 184TC | HE54T11 | HE54T21 | 6.48 | 87.5% | 102 lbs |
| | | | 215TC | HE56T11 | HE56T21 | 6.8 | 87.5% | 175 lbs |
| | 1200 | 208-230 / 460 | 213TC | HE72T11 | HE72T21 | 8.66 | 88.5% | 150 lbs |
| | | | 213TC | HE74T11 | HE74T21 | 9.53 | 89.5% | 150 lbs |
| 7.5 | 3600 | 208-230 / 460 | 254TC | HE76T11 | HE76T21 | 9.53 | 89.5% | 262 lbs |
| | | | 215TC | HE102T11 | HE102T21 | 11.7 | 89.5% | 150 lbs |
| | 1800 | 208-230 / 460 | 215TC | HE104T11 | HE104T21 | 12.8 | 90.2% | 165 lbs |
| | | | 256TC | HE106T11 | HE106T21 | 13.4 | 89.5% | 304 lbs |
| | 1200 | 208-230 / 460 | 254TC | HE152T11 | HE152T21 | 17 | 90.2% | 280 lbs |
| | | | 254TC | HE154T11 | HE154T21 | 17.9 | 91% | 266 lbs |

(Continued)

| HP | RPM | VOLTS | FRAME | MODEL | | FL AMPS | FL EFF | WT |
|-----|------|---------------|--------|-----------|----------|---------|--------|----------|
| | | | | FOOTED | FOOTLESS | | | |
| 20 | 3600 | 208-230 / 460 | 256TC | HE202T11 | HE202T21 | 23.3 | 90.2% | 313 lbs |
| | 1800 | 208-230 / 460 | 256TC | HE204T11 | HE204T21 | 24.4 | 91% | 313 lbs |
| 25 | 3600 | 208-230 / 460 | 284TSC | HE252T11 | HE252T21 | 29 | 91% | 353 lbs |
| | 1800 | 208-230 / 460 | 284TSC | HE254T11 | HE254T21 | 29.6 | 92.4% | 437 lbs |
| | 1800 | 208-230 / 460 | 284TC | HE254T12 | HE254T22 | 29.6 | 92.4% | 437 lbs |
| 30 | 3600 | 208-230 / 460 | 286TSC | HE302T11 | HE302T21 | 33.8 | 91% | 404 lbs |
| | 1800 | 208-230 / 460 | 286TSC | HE304T11 | HE304T21 | 34.4 | 92.4% | 481 lbs |
| | 1800 | 208-230 / 460 | 286TC | HE304T12 | HE304T22 | 34.4 | 92.4% | 481 lbs |
| 40 | 1800 | 208-230 / 460 | 324TSC | HE404T11 | - | 47.6 | 93% | 587 lbs |
| | 1800 | 208-230 / 460 | 324TC | HE404T12 | - | 47.6 | 93% | 587 lbs |
| 50 | 1800 | 208-230 / 460 | 326TSC | HE504T11 | - | 57.8 | 93.6% | 640 lbs |
| | 1800 | 208-230 / 460 | 326TC | HE504T12 | - | 57.8 | 93.6% | 640 lbs |
| 60 | 1800 | 208-230 / 460 | 364TSC | HE604T11 | - | 67 | 93.6% | 963 lbs |
| | 1800 | 208-230 / 460 | 364TC | HE604T12 | - | 67 | 93.6% | 963 lbs |
| 75 | 1800 | 208-230 / 460 | 365TSC | HE754T11 | - | 82.4 | 94.1% | 1010 lbs |
| | 1800 | 208-230 / 460 | 365TC | HE754T12 | - | 82.4 | 94.1% | 1010 lbs |
| | 1800 | 460 | 365TC | HE754T13 | - | 82.4 | 94.1% | 1010 lbs |
| 100 | 1800 | 208-230 / 460 | 405TSC | HE1004T11 | - | 115 | 94.5% | 1273 lbs |
| | 1800 | 460 | 405TSC | HE1004T12 | - | 115 | 94.5% | 1273 lbs |
| | 1800 | 208-230 / 460 | 405TC | HE1004T13 | - | 115 | 94.5% | 1273 lbs |
| | 1800 | 460 | 405TC | HE1004T14 | - | 115 | 94.5% | 1273 lbs |
| 125 | 1800 | 460 | 444TC | HE1254T11 | - | 138 | 94.5% | 1647 lbs |
| 150 | 1800 | 460 | 445TC | HE1504T11 | - | 168 | 95% | 1841 lbs |
| 200 | 1800 | 460 | 445TC | HE2004T11 | - | 230 | 95% | 2194 lbs |



EISA High Efficiency Motors TEFC Aluminum

Foot Mount / General Purpose Motors

FEATURES

- + EISA Compliant High Efficient
- + Low Noise
- + Service Factor 1.15
- + Design C High Torque
- + Class F Insulation
- + 40°C Ambient Temperature
- + Aluminum Frame & End Shield
(D Flange Available)
- + Removable Base

APPLICATIONS

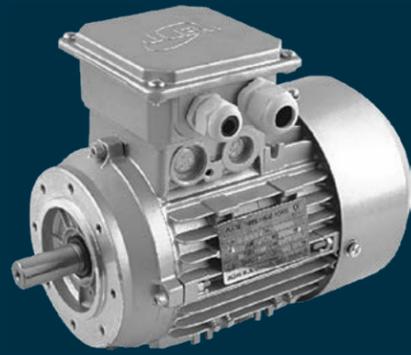
- + General Purpose
- + Blowers
- + Compressors
- + Conveyors
- + Fans
- + Pumps
- + Reducers

| HP | RPM | VOLTS | FRAME | MODEL | FL AMPS | FL EFF | WT |
|-----|------|---------------|-------|----------|-----------------|--------|---------|
| 1/4 | 3260 | 208-230 / 460 | 48 | AE142T01 | 0.96-0.9 / 0.43 | 65% | 17 lbs |
| | 1570 | 208-230 / 460 | 48 | AE144T01 | 1.14-1 / 0.52 | 60% | 18 lbs |
| | 1020 | 208-230 / 460 | 56 | AE146T01 | 1.35-1.2 / 0.61 | 56% | 23 lbs |
| 1/3 | 3260 | 208-230 / 460 | 48 | AE132T01 | 1.26-1.1 / 0.57 | 68% | 18 lbs |
| | 1595 | 208-230 / 460 | 48 | AE132T01 | 1.44-1.3 / 0.65 | 65% | 19 lbs |
| 1/2 | 3285 | 208-230 / 460 | 48 | AE122T01 | 1.81-1.6 / 0.82 | 70% | 19 lbs |
| | 1595 | 208-230 / 460 | 56 | AE124T01 | 2.04-1.8 / 0.92 | 67% | 26 lbs |
| | 1060 | 208-230 / 460 | 56 | AE126T01 | 2.37-2.1 / 1.07 | 62% | 24 lbs |
| 3/4 | 3285 | 208-230 / 460 | 48 | AE342T01 | 2.55-2.3 / 1.15 | 73% | 20 lbs |
| | 1665 | 208-230 / 460 | 56 | AE344T01 | 2.86-2.6 / 1.29 | 71% | 28 lbs |
| | 1060 | 208-230 / 460 | 143T | AE346T01 | 3.26-3 / 1.48 | 65% | 27 lbs |
| 1 | 3405 | 208-230 / 460 | 56 | AE12T01 | 3.34-3 / 1.51 | 75% | 26 lbs |
| | 1665 | 208-230 / 460 | 143T | AE14T01 | 3.75-3.4 / 1.69 | 73% | 29 lbs |
| | 1090 | 208-230 / 460 | 145T | AE16T01 | 4.19-3.8 / 1.89 | 69% | 29 lbs |
| | 815 | 208-230 / 460 | 182T | AE18T01 | 4.38-4 / 1.98 | 71% | 57 lbs |
| 1.5 | 3405 | 208-230 / 460 | 143T | AE322T01 | 4.72-4.3 / 2.13 | 77% | 28 lbs |
| | 1665 | 208-230 / 460 | 145T | AE324T01 | 5.2-4.7 / 2.35 | 76.3% | 30 lbs |
| | 1090 | 208-230 / 460 | 182T | AE326T01 | 5.8-5.2 / 2.62 | 72.1% | 57 lbs |
| | 815 | 208-230 / 460 | 184T | AE328T01 | 6.06-5.5 / 2.74 | 73% | 62 lbs |
| 2 | 3405 | 208-230 / 460 | 145T | AE22T01 | 6.27-5.7 / 2.84 | 79% | 30 lbs |
| | 1665 | 208-230 / 460 | 145T | AE24T01 | 6.71-6.1 / 3.03 | 78.6% | 31 lbs |
| | 1100 | 208-230 / 460 | 184T | AE26T01 | 7.29-6.6 / 3.3 | 76.1% | 64 lbs |
| 3 | 825 | 208-230 / 460 | 213T | AE28T01 | 8.05-7.3 / 3.64 | 75% | 84 lbs |
| | 3405 | 208-230 / 460 | 145T | AE32T01 | 8.86-8 / 4.01 | 81.1% | 33 lbs |
| | 1690 | 208-230 / 460 | 182T | AE34T01 | 9.28-8.4 / 4.2 | 81.2% | 62 lbs |
| 5 | 1150 | 208-230 / 460 | 213T | AE36T01 | 9.91-9 / 4.48 | 81.1% | 84 lbs |
| | 845 | 208-230 / 460 | 215T | AE38T01 | 11-10 / 4.99 | 78% | 93 lbs |
| | 3455 | 208-230 / 460 | 184T | AE52T01 | 13.8-13 / 6.25 | 84.4% | 62 lbs |
| 5 | 1720 | 208-230 / 460 | 184T | AE54T01 | 14.7-13 / 6.72 | 84.3% | 66 lbs |
| | 1150 | 208-230 / 460 | 215T | AE56T01 | 16.5-15 / 7.44 | 82.1% | 97 lbs |
| | 860 | 208-230 / 460 | 254T | AE58T01 | 17.4-16 / 7.85 | 81% | 152 lbs |

Dimensions & Mounting
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(Continued)

| HP | RPM | VOLTS | FRAME | MODEL | FL AMPS | FL EFF | WT |
|-----|------|---------------|-------|----------|----------------|--------|---------|
| 7.5 | 3480 | 208-230 / 460 | 184T | AE72T01 | 20.2-18 / 9.13 | 85.9% | 86 lbs |
| | 1725 | 208-230 / 460 | 213T | AE74T01 | 21.4-19 / 9.69 | 85.8% | 93 lbs |
| | 1150 | 208-230 / 460 | 254T | AE76T01 | 23.6-21 / 10.7 | 84.1% | 150 lbs |
| | 860 | 208-230 / 460 | 256T | AE78T01 | 24.9-22 / 11.2 | 83% | 192 lbs |
| 10 | 3480 | 208-230 / 460 | 215T | AE102T01 | 27-25 / 12.3 | 87.2% | 110 lbs |
| | 1725 | 208-230 / 460 | 215T | AE104T01 | 28.5-26 / 12.9 | 87.1% | 107 lbs |
| | 1150 | 208-230 / 460 | 256T | AE106T01 | 31.4-28 / 14.2 | 86.1% | 161 lbs |
| 15 | 3515 | 208-230 / 460 | 254T | AE152T01 | 38.8-35 / 17.5 | 88.5% | 150 lbs |
| | 1750 | 208-230 / 460 | 254T | AE154T01 | 41.1-37 / 18.6 | 88.5% | 163 lbs |
| 20 | 3515 | 208-230 / 460 | 256T | AE202T01 | 52.3-47 / 23.6 | 89.5% | 181 lbs |
| | 1750 | 208-230 / 460 | 256T | AE204T01 | 54.7-49 / 24.7 | 89.5% | 191 lbs |
| 25 | 3515 | 208-230 / 460 | 284T | AE252T01 | 63.3-57 / 28.6 | 90.2% | 225 lbs |
| | 1760 | 208-230 / 460 | 284T | AE254T01 | 66.3-60 / 30 | 90.1% | 223 lbs |
| 30 | 3525 | 208-230 / 460 | 286T | AE302T01 | 74.8-68 / 33.8 | 90.7% | 265 lbs |
| | 1760 | 208-230 / 460 | 286T | AE304T01 | 78.4-71 / 35.4 | 90.6% | 247 lbs |



EISA High Efficiency Motors TEFC Aluminum

C-Face / General Purpose Motors

FEATURES

- + Class F Insulation
- + Design B
- + Rolled Steel Frame
- + Aluminum End Shields
- + Double Shielded Bearings
- + 40°C Ambient
- + High Efficient

APPLICATIONS

- + General Purpose
- + Blowers
- + Compressors
- + Conveyors
- + Fans
- + Pumps
- + Reducers

*Dimensions & Mounting
Page 173*

| HP | RPM | VOLTS | FRAME | MODEL | | FL AMPS | FL EFF | WT |
|-----|---------------|---------------|---------|----------|----------------|-----------------|---------|--------|
| | | | | FOOTED | FOOTLESS | | | |
| 1/4 | 3260 | 208-230 / 460 | 48C | AE142T11 | AE142T11 | 0.96-0.9 / 0.43 | 65% | 17 lbs |
| | 1570 | 208-230 / 460 | 48C | AE144T11 | AE144T11 | 1.14-1 / 0.52 | 60% | 18 lbs |
| 1/3 | 1020 | 208-230 / 460 | 56C | AE146T11 | AE146T11 | 1.35-1.2 / 0.61 | 56% | 23 lbs |
| | 3260 | 208-230 / 460 | 48C | AE132T11 | AE132T11 | 1.26-1.1 / 0.57 | 68% | 18 lbs |
| 1/2 | 1595 | 208-230 / 460 | 48C | AE134T11 | AE134T11 | 1.44-1.3 / 0.65 | 65% | 19 lbs |
| | 3285 | 208-230 / 460 | 48C | AE122T11 | AE122T11 | 1.81-1.6 / 0.82 | 70% | 19 lbs |
| 1/2 | 1595 | 208-230 / 460 | 56C | AE124T11 | AE124T11 | 2.04-1.8 / 0.92 | 67% | 26 lbs |
| | 1060 | 208-230 / 460 | 56C | AE126T11 | AE126T11 | 2.37-2.1 / 1.07 | 62% | 24 lbs |
| 3/4 | 3285 | 208-230 / 460 | 48C | AE342T11 | AE342T11 | 2.55-2.3 / 1.15 | 73% | 20 lbs |
| | 1665 | 208-230 / 460 | 56C | AE344T11 | AE344T11 | 2.86-2.6 / 1.29 | 71% | 28 lbs |
| 1 | 1060 | 208-230 / 460 | 143C | AE346T11 | AE346T11 | 3.26-3 / 1.48 | 65% | 27 lbs |
| | 3405 | 208-230 / 460 | 56C | AE12T11 | AE12T11 | 3.34-3 / 1.51 | 75% | 26 lbs |
| 1 | 1665 | 208-230 / 460 | 143TC | AE14T11 | AE14T11 | 3.75-3.4 / 1.69 | 73% | 29 lbs |
| | 1090 | 208-230 / 460 | 145TC | AE16T11 | AE16T11 | 4.19-3.8 / 1.89 | 69% | 29 lbs |
| 1.5 | 815 | 208-230 / 460 | 182TC | AE18T11 | AE18T11 | 4.38-4 / 1.98 | 71% | 57 lbs |
| | 3405 | 208-230 / 460 | 143TC | AE322T11 | AE322T11 | 4.72-4.3 / 2.13 | 77% | 28 lbs |
| 1.5 | 1665 | 208-230 / 460 | 145TC | AE324T11 | AE324T11 | 5.2-4.7 / 2.35 | 76.3% | 30 lbs |
| | 1090 | 208-230 / 460 | 182TC | AE326T11 | AE326T11 | 5.8-5.2 / 2.62 | 72% | 57 lbs |
| 2 | 815 | 208-230 / 460 | 184TC | AE328T11 | AE328T11 | 6.06-5.5 / 2.74 | 73% | 62 lbs |
| | 3405 | 208-230 / 460 | 145TC | AE22T11 | AE22T11 | 6.27-5.7 / 2.84 | 79% | 30 lbs |
| 2 | 1665 | 208-230 / 460 | 145TC | AE24T11 | AE24T11 | 6.71-6.1 / 3.03 | 78.6% | 31 lbs |
| | 1100 | 208-230 / 460 | 184TC | AE26T11 | AE26T11 | 7.29-6.6 / 3.3 | 76% | 64 lbs |
| 3 | 825 | 208-230 / 460 | 213TC | AE28T11 | AE28T11 | 8.05-7.3 / 3.64 | 75% | 84 lbs |
| | 3405 | 208-230 / 460 | 145TC | AE32T11 | AE32T11 | 8.86-8 / 4.01 | 81% | 33 lbs |
| 3 | 1690 | 208-230 / 460 | 182TC | AE34T11 | AE34T11 | 9.28-8.4 / 4.2 | 81.2% | 62 lbs |
| | 1150 | 208-230 / 460 | 213TC | AE36T11 | AE36T11 | 9.91-9 / 4.48 | 81% | 84 lbs |
| 5 | 845 | 208-230 / 460 | 215TC | AE38T11 | AE38T11 | 11-10 / 4.99 | 78% | 93 lbs |
| | 3455 | 208-230 / 460 | 184TC | AE52T11 | AE52T11 | 13.8-13 / 6.25 | 84.4% | 62 lbs |
| 5 | 1720 | 208-230 / 460 | 184TC | AE54T11 | AE54T11 | 14.9-13 / 6.72 | 84.3% | 66 lbs |
| | 1150 | 208-230 / 460 | 215TC | AE56T11 | AE56T11 | 16.5-15 / 7.44 | 82% | 97 lbs |
| 860 | 208-230 / 460 | 254TC | AE58T11 | AE58T11 | 17.4-16 / 7.85 | 81% | 152 lbs | |

(Continued)

| HP | RPM | VOLTS | FRAME | MODEL | | FL AMPS | FL EFF | WT |
|-----|------|---------------|-------|----------|----------|----------------|--------|---------|
| | | | | FOOTED | FOOTLESS | | | |
| 7.5 | 3480 | 208-230 / 460 | 184TC | AE72T11 | AE72T11 | 20.2-18 / 9.13 | 85.9% | 86 lbs |
| | 1725 | 208-230 / 460 | 213TC | AE74T11 | AE74T11 | 21.4-19 / 9.69 | 85.8% | 93 lbs |
| | 1150 | 208-230 / 460 | 254TC | AE76T11 | AE76T11 | 23.6-21 / 10.7 | 84% | 150 lbs |
| | 860 | 208-230 / 460 | 256TC | AE78T11 | AE78T11 | 24.9-22 / 11.2 | 83% | 192 lbs |
| 10 | 3480 | 208-230 / 460 | 215TC | AE102T11 | AE102T11 | 27-25 / 12.3 | 87.2% | 110 lbs |
| | 1725 | 208-230 / 460 | 215TC | AE104T11 | AE104T11 | 28.5-26 / 12.9 | 87% | 107 lbs |
| | 1150 | 208-230 / 460 | 256TC | AE106T11 | AE106T11 | 31.4-28 / 14.2 | 86.1% | 161 lbs |
| 15 | 3515 | 208-230 / 460 | 254TC | AE152T11 | AE152T11 | 38.8-35 / 17.5 | 88.5% | 150 lbs |
| | 1750 | 208-230 / 460 | 254TC | AE154T11 | AE154T11 | 41.1-37 / 18.6 | 88.5% | 163 lbs |
| 20 | 3515 | 208-230 / 460 | 256TC | AE202T11 | AE202T11 | 52.3-47 / 23.6 | 89.5% | 181 lbs |
| | 1750 | 208-230 / 460 | 256TC | AE204T11 | AE204T11 | 54.7-49 / 24.7 | 89.5% | 191 lbs |
| 25 | 3515 | 208-230 / 460 | 284TC | AE252T11 | AE252T11 | 63.3-57 / 28.6 | 90.2% | 225 lbs |
| | 1760 | 208-230 / 460 | 284TC | AE254T11 | AE254T11 | 66.3-60 / 30 | 90% | 223 lbs |
| 30 | 3525 | 208-230 / 460 | 286TC | AE302T11 | AE302T11 | 74.8-68 / 33.8 | 90.7% | 265 lbs |
| | 1760 | 208-230 / 460 | 286TC | AE304T11 | AE304T11 | 78.4-71 / 35.4 | 90.6% | 247 lbs |



Premium Efficient Motors TEFC Cast Iron

Foot Mount / General Purpose Motors

FEATURES

- + Premium Efficient
- + Service Factor 1.15
- + Design B
- + Class F Insulation
- + 40°C Ambient Temperature (Higher Derating Factors Available)
- + Cast Iron Frame & End Shield

APPLICATIONS

- + General Purpose in Damp & Dusty/Dirty Environments
- + Process Industries
- + Blowers
- + Compressors
- + Conveyors
- + Fans
- + Pumps

Dimensions & Mounting
Page 166

| HP | RPM | VOLTS | FRAME | MODEL | FL AMPS | FL EFF | WT |
|-----|------|---------------|-------|----------|---------|--------|---------|
| 1 | 1800 | 208-230 / 460 | 143T | PE14T01 | 1.43 | 85.5% | 54 lbs |
| | 1200 | 208-230 / 460 | 145T | PE16T01 | 1.73 | 82.5% | 56 lbs |
| 1.5 | 3600 | 208-230 / 460 | 143T | PE322T01 | 1.98 | 84% | 45 lbs |
| | 1800 | 208-230 / 460 | 145T | PE324T01 | 8 | 86.5% | 56 lbs |
| 2 | 1200 | 208-230 / 460 | 182T | PE326T01 | 2.39 | 87.5% | 79 lbs |
| | 3600 | 208-230 / 460 | 145T | PE22T01 | 2.65 | 85.5% | 52 lbs |
| 2 | 1800 | 208-230 / 460 | 145T | PE24T01 | 2.63 | 86.5% | 58 lbs |
| | 1200 | 208-230 / 460 | 184T | PE26T01 | 3.23 | 88.5% | 97 lbs |
| 3 | 3600 | 208-230 / 460 | 182T | PE32T01 | 3.68 | 87.5% | 99 lbs |
| | 1800 | 208-230 / 460 | 182T | PE34T01 | 3.9 | 89.5% | 99 lbs |
| 3 | 1200 | 208-230 / 460 | 213T | PE36T01 | 4.41 | 89.5% | 134 lbs |
| | 3600 | 208-230 / 460 | 184T | PE52T01 | 5.76 | 89.5% | 114 lbs |
| 5 | 1800 | 208-230 / 460 | 184T | PE54T01 | 6.4 | 89.5% | 108 lbs |
| | 1200 | 208-230 / 460 | 215T | PE56T01 | 6.83 | 89.5% | 175 lbs |
| 7.5 | 3600 | 208-230 / 460 | 213T | PE72T01 | 8.63 | 91% | 134 lbs |
| | 1800 | 208-230 / 460 | 213T | PE74T01 | 9.29 | 91.7% | 165 lbs |
| 7.5 | 1200 | 208-230 / 460 | 254T | PE76T01 | 9.73 | 91% | 282 lbs |
| | 3600 | 208-230 / 460 | 215T | PE102T01 | 11.5 | 91.7% | 173 lbs |
| 10 | 1800 | 208-230 / 460 | 215T | PE104T01 | 12.6 | 91.7% | 172 lbs |
| | 1200 | 208-230 / 460 | 256T | PE106T01 | 13.3 | 91% | 316 lbs |
| 15 | 3600 | 208-230 / 460 | 254T | PE152T01 | 16.9 | 91.7% | 280 lbs |
| | 1800 | 208-230 / 460 | 254T | PE154T01 | 18 | 92.4% | 291 lbs |
| 15 | 1200 | 208-230 / 460 | 284T | PE156T01 | 17.3 | 91.7% | 360 lbs |
| | 3600 | 208-230 / 460 | 256T | PE202T01 | 22.9 | 92.4% | 313 lbs |
| 20 | 1800 | 208-230 / 460 | 256T | PE204T01 | 24.4 | 93% | 324 lbs |
| | 1200 | 208-230 / 460 | 286T | PE206T01 | 24.1 | 91.7% | 503 lbs |
| 25 | 3600 | 208-230 / 460 | 284TS | PE252T01 | 28.4 | 93% | 353 lbs |
| | 1800 | 208-230 / 460 | 284T | PE254T01 | 29.5 | 93.6% | 481 lbs |
| 25 | 1200 | 208-230 / 460 | 324T | PE256T01 | 30.5 | 93% | 605 lbs |
| | 3600 | 208-230 / 460 | 256TS | PE302T01 | 33.4 | 93% | 428 lbs |
| 30 | 1800 | 208-230 / 460 | 286T | PE304T01 | 35.1 | 93.6% | 525 lbs |
| | 1200 | 208-230 / 460 | 326T | PE306T01 | 35.8 | 93% | 673 lbs |

(Continued)

| HP | RPM | VOLTS | FRAME | MODEL | FL AMPS | FL EFF | WT |
|-----|------|---------------|--------|-----------|---------|--------|----------|
| 40 | 3600 | 208-230 / 460 | 324TS | PE402T01 | 45.8 | 93.6% | 561 lbs |
| | 1800 | 208-230 / 460 | 324T | PE404T01 | 48.3 | 94.1% | 640 lbs |
| | 1200 | 208-230 / 460 | 364T | PE406T01 | 47 | 94.1% | 1076 lbs |
| 50 | 3600 | 208-230 / 460 | 326TS | PE502T01 | 55.5 | 94.1% | 607 lbs |
| | 1800 | 208-230 / 460 | 326T | PE504T01 | 60.6 | 94.5% | 662 lbs |
| | 1200 | 208-230 / 460 | 365T | PE506T01 | 58 | 94.1% | 1127 lbs |
| 60 | 3600 | 208-230 / 460 | 364TS | PE602T01 | 68.3 | 94.1% | 992 lbs |
| | 1800 | 208-230 / 460 | 364T | PE604T01 | 68.4 | 95% | 1036 lbs |
| | 1200 | 208-230 / 460 | 404T | PE606T01 | 70.4 | 94.5% | 1346 lbs |
| 75 | 3600 | 208-230 / 460 | 365TS | PE752T01 | 82.6 | 95% | 1025 lbs |
| | 1800 | 208-230 / 460 | 365T | PE754T01 | 82.3 | 95.4% | 1047 lbs |
| | 1200 | 208-230 / 460 | 405T | PE756T01 | 87 | 94.5% | 1478 lbs |
| 100 | 3600 | 208-230 / 460 | 405TS | PE1002T01 | 111 | 95% | 1361 lbs |
| | 1800 | 208-230 / 460 | 405T | PE1004T01 | 112 | 95.4% | 1302 lbs |
| | 1200 | 208-230 / 460 | 444T | PE1006T01 | 121 | 95% | 2006 lbs |
| 125 | 3600 | 208-230 / 460 | 444TS | PE1252T01 | 133 | 95% | 1794 lbs |
| | 1800 | 208-230 / 460 | 444T | PE1254T01 | 138 | 95.4% | 1841 lbs |
| | 1200 | 208-230 / 460 | 445T | PE1256T01 | 145 | 95% | 2082 lbs |
| 150 | 3600 | 460 | 445TS | PE1502T01 | 161 | 95.4% | 1865 lbs |
| | 1800 | 460 | 445T | PE1504T01 | 170 | 95.8% | 1940 lbs |
| | 1200 | 460 | 447T | PE1506T01 | 174 | 95.8% | 2738 lbs |
| 200 | 3600 | 460 | 447TS | PE2002T01 | 221 | 95.8% | 2072 lbs |
| | 1800 | 460 | 447T | PE2004T01 | 230 | 96.2% | 2216 lbs |
| | 1200 | 460 | 449T | PE2006T01 | 223 | 95.8% | 2506 lbs |
| 250 | 3600 | 460 | 449TS | PE2502T01 | 269 | 95.8% | 2364 lbs |
| | 1800 | 460 | 449T | PE2504T01 | 268 | 96.2% | 2486 lbs |
| | 1200 | 460 | 449T | PE2506T01 | 289 | 95.8% | 2667 lbs |
| 300 | 3600 | 460 | 449TS | PE3002T01 | 324 | 95.8% | 2454 lbs |
| | 1800 | 460 | 449T | PE3004T01 | 326 | 96.2% | 2666 lbs |
| 350 | 3600 | 460 | 507TS | PE3502T01 | 378 | 95.8% | 4050 lbs |
| | 1800 | 460 | 5011LY | PE3504T01 | 394 | 96.2% | 5650 lbs |
| 400 | 3600 | 460 | 508TS | PE4002T01 | 442 | 95.8% | 4207 lbs |
| | 1800 | 460 | 5011LY | PE4004T01 | 455 | 96.2% | 4674 lbs |
| | 1200 | 460 | 5011LY | PE4006T01 | 468 | 95.8% | 5556 lbs |
| 450 | 1200 | 460 | 5011LY | PE4506T01 | 512 | 95.8% | 5650 lbs |
| 500 | 3600 | 460 | 509TS | PE5002T01 | 527 | 95.8% | 4724 lbs |
| | 1800 | 460 | 5011LY | PE5004T01 | 555 | 96.2% | 5000 lbs |



Premium Efficient Motors TEFC Cast Iron

C-Face / General Purpose Motors

FEATURES

- + Premium Efficient
- + Service Factor 1.15
- + Design B
- + Class F Insulation
- + 40°C Ambient Temperature
- + Cast Iron Frame & End Shield

APPLICATIONS

- + General Purpose in Damp & Dusty/Dirty Environments
- + Process Industries
- + Blowers
- + Compressors
- + Conveyors
- + Fans
- + Pumps

*Dimensions & Mounting
Page 168*

| HP | RPM | VOLTS | FRAME | MODEL | | FL AMPS | FL EFF | WT |
|-----|------|---------------|--------|----------|----------|---------|--------|---------|
| | | | | FOOTED | FOOTLESS | | | |
| 1 | 1800 | 208-230 / 460 | 143TC | PE14T11 | PE14T21 | 1.43 | 85.5% | 54 lbs |
| | 1200 | 208-230 / 460 | 145TC | PE16T11 | PE16T21 | 1.73 | 82.5% | 56 lbs |
| 1.5 | 3600 | 208-230 / 460 | 143TC | PE322T11 | PE322T21 | 1.98 | 84% | 45 lbs |
| | 1800 | 208-230 / 460 | 145TC | PE324T11 | PE324T21 | 2 | 86.5% | 56 lbs |
| 2 | 1200 | 208-230 / 460 | 182TC | PE326T11 | PE326T21 | 2.39 | 87.5% | 79 lbs |
| | 3600 | 208-230 / 460 | 145TC | PE22T11 | PE22T21 | 2.65 | 85.5% | 52 lbs |
| 3 | 1800 | 208-230 / 460 | 145TC | PE24T11 | PE24T21 | 2.63 | 86.5% | 58 lbs |
| | 1200 | 208-230 / 460 | 184TC | PE26T11 | PE26T21 | 3.23 | 88.5% | 97 lbs |
| 5 | 3600 | 208-230 / 460 | 182TC | PE32T11 | PE32T21 | 3.68 | 87.5% | 99 lbs |
| | 1800 | 208-230 / 460 | 182TC | PE34T11 | PE34T21 | 3.9 | 89.5% | 99 lbs |
| 7.5 | 1200 | 208-230 / 460 | 213TC | PE36T11 | PE36T21 | 4.41 | 89.5% | 134 lbs |
| | 3600 | 208-230 / 460 | 184TC | PE52T11 | PE52T21 | 5.76 | 89.5% | 114 lbs |
| 10 | 1800 | 208-230 / 460 | 215TC | PE54T11 | PE54T21 | 6.4 | 89.5% | 108 lbs |
| | 1200 | 208-230 / 460 | 215TC | PE56T11 | PE56T21 | 6.83 | 89.5% | 175 lbs |
| 15 | 3600 | 208-230 / 460 | 213TC | PE72T11 | PE72T21 | 8.63 | 91% | 134 lbs |
| | 1800 | 208-230 / 460 | 213TC | PE74T11 | PE74T21 | 9.29 | 91.7% | 165 lbs |
| 20 | 1200 | 208-230 / 460 | 254TC | PE76T11 | PE76T21 | 9.73 | 91% | 282 lbs |
| | 3600 | 208-230 / 460 | 215TC | PE102T11 | PE102T21 | 11.5 | 91.7% | 173 lbs |
| 25 | 1800 | 208-230 / 460 | 215TC | PE104T11 | PE104T21 | 12.6 | 91.7% | 172 lbs |
| | 1200 | 208-230 / 460 | 256TC | PE106T11 | PE106T21 | 13.3 | 91% | 316 lbs |
| 30 | 3600 | 208-230 / 460 | 254TC | PE152T11 | PE152T21 | 16.9 | 91.7% | 280 lbs |
| | 1800 | 208-230 / 460 | 254TC | PE154T11 | PE154T21 | 18 | 92.4% | 291 lbs |
| 40 | 1200 | 208-230 / 460 | 284TC | PE156T11 | PE156T21 | 17.3 | 91.7% | 360 lbs |
| | 3600 | 208-230 / 460 | 256TC | PE202T11 | PE202T21 | 22.9 | 92.4% | 313 lbs |
| 50 | 1800 | 208-230 / 460 | 256TC | PE204T11 | PE204T21 | 24.4 | 93% | 324 lbs |
| | 1200 | 208-230 / 460 | 286TC | PE206T11 | PE206T21 | 24.1 | 91.7% | 503 lbs |
| 60 | 3600 | 208-230 / 460 | 284TSC | PE252T11 | PE252T21 | 28.4 | 93% | 353 lbs |
| | 1800 | 208-230 / 460 | 284TC | PE254T11 | PE254T21 | 29.5 | 93.6% | 481 lbs |
| 75 | 3600 | 208-230 / 460 | 286TSC | PE302T11 | PE302T21 | 33.4 | 93% | 428 lbs |
| | 1800 | 208-230 / 460 | 286TC | PE304T11 | PE304T21 | 35.1 | 93.6% | 525 lbs |

(Continued)

| HP | RPM | VOLTS | FRAME | MODEL | | FL AMPS | FL EFF | WT |
|-----|------|---------------|--------|-----------|----------|---------|--------|----------|
| | | | | FOOTED | FOOTLESS | | | |
| 40 | 3600 | 208-230 / 460 | 324TSC | PE402T11 | - | 45.8 | 93.6% | 561 lbs |
| | 1800 | 208-230 / 460 | 324TC | PE404T11 | - | 48.3 | 941% | 640 lbs |
| 50 | 3600 | 208-230 / 460 | 326TSC | PE502T11 | - | 55.5 | 941% | 607 lbs |
| | 1800 | 208-230 / 460 | 326TC | PE504T11 | - | 60.6 | 94.5% | 662 lbs |
| 60 | 3600 | 208-230 / 460 | 364TSC | PE602T11 | - | 68.3 | 941% | 992 lbs |
| | 1800 | 208-230 / 460 | 364TC | PE604T11 | - | 68.4 | 95% | 1036 lbs |
| 75 | 3600 | 208-230 / 460 | 365TSC | PE752T11 | - | 82.6 | 95% | 1025 lbs |
| | 1800 | 208-230 / 460 | 365TC | PE754T11 | - | 82.3 | 95.4% | 1047 lbs |
| 100 | 3600 | 208-230 / 460 | 405TSC | PE1002T11 | - | 111 | 95% | 1361 lbs |
| | 1800 | 208-230 / 460 | 405TC | PE1004T11 | - | 112 | 95.4% | 1302 lbs |
| 125 | 3600 | 208-230 / 460 | 444TSC | PE1252T11 | - | 133 | 95% | 1794 lbs |
| | 1800 | 208-230 / 460 | 444TC | PE1254T11 | - | 138 | 95.4% | 1841 lbs |
| 150 | 3600 | 460 | 445TSC | PE1502T11 | - | 161 | 95.4% | 1865 lbs |
| | 1800 | 460 | 445TC | PE1504T11 | - | 170 | 95.8% | 1940 lbs |
| 200 | 3600 | 460 | 447TSC | PE2002T11 | - | 221 | 95.8% | 2072 lbs |
| | 1800 | 460 | 447TC | PE2004T11 | - | 230 | 96.2% | 2216 lbs |



Premium Efficient Motors ODP Cast Iron

Foot Mount / General Purpose Motors

FEATURES

- + Premium Efficient
- + Service Factor 1.15
- + Design B
- + Class F Insulation
- + 40°C Ambient Temperature
- + Cast Iron Frame & End Shield

APPLICATIONS

- + General Purpose in Damp & Dusty/Dirty Environments
- + Compressors
- + Fans
- + Material Handling
- + Pumps

| HP | RPM | VOLTS | FRAME | MODEL | FL AMPS | FL EFF | WT |
|-----|------|---------------|---------------|----------|----------|--------|----------|
| 15 | 1800 | 208-230 / 460 | 254T | PE154D01 | 18.6 | 93% | 234 lbs |
| | 1200 | 208-230 / 460 | 284T | PE156D01 | 18.5 | 92.4% | 330 lbs |
| 20 | 3600 | 208-230 / 460 | 254T | PE202D01 | 24.6 | 91% | 205 lbs |
| | 1800 | 208-230 / 460 | 256T | PE204D01 | 25.3 | 93% | 291 lbs |
| 25 | 1200 | 208-230 / 460 | 286T | PE206D01 | 26 | 92.4% | 372 lbs |
| | 3600 | 208-230 / 460 | 256T | PE252D01 | 28.8 | 93% | 269 lbs |
| | | 1800 | 208-230 / 460 | 284TS | PE254D01 | 29.2 | 94.1% |
| 30 | 1200 | 208-230 / 460 | 324T | PE256D01 | 31 | 93.6% | 478 lbs |
| | 3600 | 208-230 / 460 | 284TS | PE302D01 | 31.1 | 93.6% | 373 lbs |
| | | 1800 | 208-230 / 460 | 286TS | PE304D01 | 35.4 | 94.1% |
| 40 | 1200 | 208-230 / 460 | 286T | PE304D02 | 35.4 | 94.1% | 459 lbs |
| | 3600 | 208-230 / 460 | 326T | PE306D01 | 37 | 93.6% | 474 lbs |
| | | 1800 | 208-230 / 460 | 286TS | PE402D01 | 37.1 | 93.6% |
| | 1200 | 208-230 / 460 | 324TS | PE404D01 | 45.7 | 94.5% | 574 lbs |
| 50 | 1200 | 208-230 / 460 | 324T | PE404D02 | 45.7 | 94.5% | 574 lbs |
| | 3600 | 208-230 / 460 | 364T | PE406D01 | 50 | 94.1% | 827 lbs |
| | | 1800 | 208-230 / 460 | 324TS | PE502D01 | 50.2 | 94.1% |
| | 1200 | 208-230 / 460 | 326TS | PE504D01 | 57.3 | 94.5% | 618 lbs |
| 60 | 1200 | 208-230 / 460 | 326T | PE504D02 | 57.3 | 94.5% | 618 lbs |
| | 3600 | 208-230 / 460 | 365T | PE506D01 | 62 | 94.1% | 867 lbs |
| | | 1800 | 208-230 / 460 | 326TS | PE602D01 | 65 | 94.5% |
| | 1200 | 208-230 / 460 | 364TS | PE604D01 | 68 | 95% | 935 lbs |
| 75 | 1200 | 208-230 / 460 | 364T | PE604D02 | 68 | 95% | 935 lbs |
| | 3600 | 208-230 / 460 | 404T | PE606D01 | 72 | 95% | 1153 lbs |
| | | 1800 | 208-230 / 460 | 364TS | PE752D01 | 81.5 | 94.5% |
| 100 | 3600 | 208-230 / 460 | 365TS | PE754D01 | 85.5 | 95% | 935 lbs |
| | | 208-230 / 460 | 265T | PE754D02 | 85.5 | 95% | 935 lbs |
| | 1200 | 208-230 / 460 | 405T | PE756D01 | 88 | 95% | 1114 lbs |

(Continued)

| HP | RPM | VOLTS | FRAME | MODEL | FL AMPS | FL EFF | WT |
|-----|------|---------------|-------|-----------|-----------|--------|----------|
| 100 | 3600 | 208-230 / 460 | 365TS | PE1002D01 | 111 | 94.5% | 935 lbs |
| | 1800 | 208-230 / 460 | 404TS | PE1004D01 | 115 | 95.4% | 1207 lbs |
| | | 208-230 / 460 | 404T | PE1004D02 | 115 | 95.4% | 1207 lbs |
| 125 | 1200 | 208-230 / 460 | 444T | PE1006D01 | 123 | 95% | 1472 lbs |
| | 3600 | 460 | 404TS | PE1252D01 | 132 | 95% | 1401 lbs |
| | | 1800 | 460 | 405TS | PE1254D01 | 141 | 95.4% |
| 150 | 1200 | 460 | 405T | PE1254D02 | 141 | 95.4% | 1207 lbs |
| | 3600 | 460 | 445T | PE1256D01 | 146 | 95.8% | 1573 lbs |
| | | 1800 | 460 | 445TS | PE1502D01 | 159 | 94.5% |
| 200 | 1200 | 460 | 444TS | PE1504D01 | 166 | 95.8% | 1609 lbs |
| | 3600 | 460 | 444T | PE1504D02 | 166 | 95.8% | 1609 lbs |
| | | 1800 | 460 | 445T | PE1506D01 | 176 | 95.8% |
| 250 | 1200 | 460 | 444TS | PE2002D01 | 220 | 95.4% | 1713 lbs |
| | 3600 | 460 | 445TS | PE2004D01 | 223 | 95.8% | 1916 lbs |
| | | 1800 | 460 | 445T | PE2004D02 | 223 | 95.8% |
| 300 | 1200 | 460 | 447T | PE2006D01 | 234 | 95.8% | 1837 lbs |
| | 1800 | 460 | 445T | PE2504D01 | 280 | 95.8% | 1992 lbs |
| 300 | 1800 | 460 | 445T | PE3004D01 | 335 | 95.8% | 2010 lbs |

Dimensions & Mounting

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Premium Efficient Motors ODP Cast Iron

C-Face / General Purpose Motors



Medium Voltage Motors TEFC Cast Iron/Steel

General Purpose Motors

FEATURES

- + Premium Efficient
- + Service Factor 1.15
- + Design B
- + Class F Insulation
- + 40°C Ambient Temperature
- + Cast Iron Frame & End Shield

APPLICATIONS

- + Compressors
- + Fans
- + Material Handling
- + Pumps
- + General Purpose

| HP | RPM | VOLTS | FRAME | MODEL | FL AMPS | FL EFF | WT |
|-----|------|---------------|--------|-----------|---------|--------|----------|
| 15 | 1800 | 208-230 / 460 | 254TC | PE154D11 | 18.6 | 93% | 234 lbs |
| | 1200 | 208-230 / 460 | 284TC | PE156D11 | 18.5 | 92.4% | 330 lbs |
| 20 | 3600 | 208-230 / 460 | 254TC | PE202D11 | 24.6 | 91% | 205 lbs |
| | 1800 | 208-230 / 460 | 256TC | PE204D11 | 25.3 | 93% | 291 lbs |
| 25 | 1200 | 208-230 / 460 | 286TC | PE206D11 | 26 | 92.4% | 372 lbs |
| | 3600 | 208-230 / 460 | 256TC | PE252D11 | 28.8 | 93% | 269 lbs |
| 30 | 1800 | 208-230 / 460 | 284TC | PE254D12 | 29.2 | 94.1% | 382 lbs |
| | 1200 | 208-230 / 460 | 324TC | PE256D11 | 31 | 93.6% | 478 lbs |
| 40 | 3600 | 208-230 / 460 | 284TSC | PE302D11 | 31.1 | 93.6% | 373 lbs |
| | 1800 | 208-230 / 460 | 286TC | PE304D12 | 35.4 | 94.1% | 459 lbs |
| 50 | 1200 | 208-230 / 460 | 326TC | PE306D11 | 37 | 93.6% | 474 lbs |
| | 3600 | 208-230 / 460 | 286TSC | PE402D11 | 37.1 | 93.6% | 457 lbs |
| 60 | 1800 | 208-230 / 460 | 324TC | PE404D12 | 45.7 | 94.5% | 574 lbs |
| | 1200 | 208-230 / 460 | 364TC | PE406D11 | 50 | 94.1% | 827 lbs |
| 75 | 3600 | 208-230 / 460 | 324TSC | PE502D11 | 50.2 | 94.1% | 541 lbs |
| | 1800 | 208-230 / 460 | 326TC | PE504D12 | 57.3 | 94.5% | 618 lbs |
| 100 | 1200 | 208-230 / 460 | 365TC | PE506D11 | 62 | 94.1% | 867 lbs |
| | 3600 | 208-230 / 460 | 326TSC | PE602D11 | 65 | 94.5% | 627 lbs |
| 150 | 1800 | 208-230 / 460 | 364TC | PE604D12 | 68 | 95% | 935 lbs |
| | 1200 | 208-230 / 460 | 404TC | PE606D11 | 72 | 95% | 1153 lbs |
| 200 | 3600 | 208-230 / 460 | 364TSC | PE752D11 | 81.5 | 94.5% | 805 lbs |
| | 1800 | 208-230 / 460 | 265TC | PE754D12 | 85.5 | 95% | 935 lbs |
| 250 | 1200 | 208-230 / 460 | 405TC | PE756D11 | 88 | 95% | 1114 lbs |
| | 3600 | 208-230 / 460 | 365TSC | PE1002D11 | 111 | 94.5% | 935 lbs |
| 300 | 1800 | 208-230 / 460 | 404TC | PE1004D12 | 115 | 95.4% | 1207 lbs |

FEATURES

- + Low Noise, 85dBA
- + Service Factor 1.15
- + Design B
- + Class F Insulation
- + Class B Temperature Rise
- + 40°C Ambient Temperature
- + Cast Iron or Steel Frame
- + Copper Bar Rotor
- + Large Size Terminal Box

APPLICATIONS

- + Processing Applications
- + Chemical Plants
- + Waste Management Facilities
- + Severe Conditions
- + Tropical Climates

| HP | RPM | VOLTS | FRAME | MODEL | FL AMPS | FL EFF | WT |
|------|------|-------------|-------|----------|---------|--------|----------|
| 350 | 1200 | 2300 / 4160 | 5009 | MV35061 | 49.4 | 94% | 4882 lbs |
| | 1800 | 2300 / 4160 | 5007 | MV35041 | 44.4 | 93.8% | 4140 lbs |
| | 3600 | 2300 / 4160 | 5007 | MV35021 | 42.4 | 94% | 4161 lbs |
| 400 | 900 | 2300 / 4160 | 5811 | MV35081 | 50.1 | 94% | 6787 lbs |
| | 1200 | 2300 / 4160 | 5010 | MV40061 | 54.8 | 94.5% | 5180 lbs |
| | 1800 | 2300 / 4160 | 5008 | MV40041 | 50.6 | 94% | 4367 lbs |
| 450 | 3600 | 2300 / 4160 | 5009 | MV40021 | 48.3 | 94.3% | 4882 lbs |
| | 900 | 2300 / 4160 | 5811 | MV40081 | 57.2 | 94.1% | 6787 lbs |
| | 1200 | 2300 / 4160 | 5011 | MV45061 | 62.4 | 94.5% | 5345 lbs |
| 500 | 1800 | 2300 / 4160 | 5009 | MV45041 | 56.8 | 94.3% | 4882 lbs |
| | 3600 | 2300 / 4160 | 5011 | MV45021 | 53.7 | 94.3% | 5273 lbs |
| | 900 | 2300 / 4160 | 5812 | MV45081 | 63.4 | 94.2% | 7261 lbs |
| 600 | 1200 | 2300 / 4160 | 5811 | MV50061 | 67.6 | 94.8% | 6787 lbs |
| | 1800 | 2300 / 4160 | 5011 | MV50041 | 62 | 94.9% | 5345 lbs |
| | 3600 | 2300 / 4160 | 5811 | MV50021 | 60.4 | 95.2% | 6530 lbs |
| 700 | 1200 | 2300 / 4160 | 5812 | MV60061 | 80.7 | 95.3% | 7261 lbs |
| | 1800 | 2300 / 4160 | 5811 | MV60041 | 75.6 | 95.5% | 6787 lbs |
| | 3600 | 2300 / 4160 | 5812 | MV60021 | 72.7 | 95.8% | 7014 lbs |
| 800 | 1200 | 2300 / 4160 | 6809 | MV70061 | 94.2 | 95.5% | 8652 lbs |
| | 1800 | 2300 / 4160 | 5812 | MV70041 | 87.7 | 95.8% | 7261 lbs |
| | 3600 | 2300 / 4160 | 6809 | MV70021 | 84.1 | 95.8% | 8174 lbs |
| 900 | 1200 | 2300 / 4160 | 6810 | MV80061 | 106.3 | 95.7% | 9084 lbs |
| | 1800 | 2300 / 4160 | 6809 | MV80041 | 100.8 | 95.7% | 8404 lbs |
| | 3600 | 2300 / 4160 | 6809 | MV80021 | 97.1 | 95.8% | 8174 lbs |
| 1000 | 1800 | 2300 / 4160 | 6810 | MV90041 | 112.2 | 95.9% | 8837 lbs |
| 1000 | 1800 | 2300 / 4160 | 6810 | MV100041 | 124.6 | 96% | 8837 lbs |

*Dimensions & Mounting
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*Dimensions & Mounting
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Explosion Proof Motors TEFC

Special Purpose Motors

FEATURES

- + High Efficient
- + Class I, Group C & D
Class II, Group E, F, & G
- + Service Factor 1.15
- + Design B
- + Class F Insulation
- + 40°C Ambient Temperature
- + TEXP Enclosure

APPLICATIONS

- + Hazardous Locations
- + Compressors
- + Conveyors
- + Fans
- + Material Handling
- + Pumps

| HP | RPM | VOLTS | FRAME | MODEL | FL AMPS | FL EFF | WT |
|-----|------|---------------|-------|---------|---------|--------|---------|
| 1 | 1800 | 208-230 / 460 | 143T | EX1401 | 1.6 | 85.5% | 72 lbs |
| 1.5 | 1800 | 208-230 / 460 | 145T | EX32401 | 2.2 | 86.5% | 73 lbs |
| | 1200 | 208-230 / 460 | 182T | EX32601 | 2.2 | 87.5% | 116 lbs |
| 2 | 3600 | 208-230 / 460 | 145T | EX2201 | 2.6 | 85.5% | 77 lbs |
| | 1800 | 208-230 / 460 | 145T | EX2401 | 2.8 | 86.5% | 75 lbs |
| 3 | 1200 | 208-230 / 460 | 184T | EX2601 | 2.9 | 88.5% | 127 lbs |
| | 3600 | 208-230 / 460 | 182T | EX3201 | 3.7 | 86.5% | 118 lbs |
| | 1800 | 208-230 / 460 | 182T | EX3401 | 3.8 | 89.5% | 124 lbs |
| 5 | 1200 | 208-230 / 460 | 213T | EX3601 | 4.1 | 89.5% | 225 lbs |
| | 3600 | 208-230 / 460 | 184T | EX5201 | 5.8 | 88.5% | 131 lbs |
| | 1800 | 208-230 / 460 | 184T | EX5401 | 6.2 | 89.5% | 134 lbs |
| 7.5 | 1200 | 208-230 / 460 | 215T | EX5601 | 6.6 | 89.5% | 287 lbs |
| | 3600 | 208-230 / 460 | 213T | EX7201 | 8.6 | 89.5% | 236 lbs |
| | 1800 | 208-230 / 460 | 213T | EX7401 | 9.2 | 91.7% | 244 lbs |
| 10 | 1200 | 208-230 / 460 | 254T | EX7601 | 9.5 | 91% | 363 lbs |
| | 3600 | 208-230 / 460 | 215T | EX10201 | 11.5 | 90.2% | 259 lbs |
| | 1800 | 208-230 / 460 | 215T | EX10401 | 12.4 | 91.7% | 250 lbs |
| 15 | 1200 | 208-230 / 460 | 256T | EX10601 | 12.5 | 91% | 379 lbs |
| | 3600 | 208-230 / 460 | 254T | EX15201 | 16.7 | 91% | 396 lbs |
| | 1800 | 208-230 / 460 | 254T | EX15401 | 16.9 | 92.4% | 404 lbs |
| 20 | 1200 | 208-230 / 460 | 284T | EX15601 | 18 | 91.7% | 482 lbs |
| | 3600 | 208-230 / 460 | 256T | EX20201 | 22.7 | 91% | 441 lbs |
| | 1800 | 208-230 / 460 | 256T | EX20401 | 23 | 93% | 448 lbs |
| 25 | 1200 | 208-230 / 460 | 286T | EX20601 | 24.4 | 91.7% | 494 lbs |
| | 3600 | 208-230 / 460 | 284TS | EX25201 | 27.7 | 91.7% | 535 lbs |
| | 1800 | 208-230 / 460 | 284T | EX25401 | 27.9 | 93.6% | 531 lbs |
| 30 | 1200 | 208-230 / 460 | 324T | EX25601 | 30.2 | 93% | 648 lbs |
| | 3600 | 208-230 / 460 | 286TS | EX30201 | 32.8 | 91.7% | 553 lbs |
| | 1800 | 208-230 / 460 | 286T | EX30401 | 33 | 93.6% | 538 lbs |
| 30 | 1200 | 208-230 / 460 | 326T | EX30601 | 35.4 | 93% | 690 lbs |

(Continued)

| HP | RPM | VOLTS | FRAME | MODEL | FL AMPS | FL EFF | WT |
|-----|------|---------------|--------------|----------|---------|--------|----------|
| 40 | 3600 | 208-230 / 460 | 324TS | EX40201 | 44.9 | 92.4% | 669 lbs |
| | 1800 | 208-230 / 460 | 324T | EX40401 | 45.5 | 94.1% | 690 lbs |
| | 1200 | 208-230 / 460 | 364T | EX40601 | 47 | 94.1% | 937 lbs |
| 50 | 3600 | 208-230 / 460 | 326TS | EX50201 | 56 | 93% | 715 lbs |
| | 1800 | 208-230 / 460 | 326T | EX50401 | 57 | 94.5% | 736 lbs |
| | 1200 | 208-230 / 460 | 365T | EX50601 | 59 | 94.1% | 978 lbs |
| 60 | 3600 | 208-230 / 460 | 364TS | EX60201 | 67.5 | 93.6% | 896 lbs |
| | 1800 | 208-230 / 460 | 364T | EX60401 | 68.5 | 95% | 947 lbs |
| | 1200 | 208-230 / 460 | 404T | EX60601 | 69.5 | 94.5% | 1282 lbs |
| 75 | 3600 | 208-230 / 460 | 365TS | EX75201 | 82.5 | 93.6% | 952 lbs |
| | 1800 | 208-230 / 460 | 365T | EX75401 | 83.5 | 95.4% | 1014 lbs |
| | 1200 | 208-230 / 460 | 405T | EX75601 | 84.5 | 94.5% | 1359 lbs |
| 100 | 3600 | 208-230 / 460 | 405TS | EX100201 | 112 | 94.1% | 1344 lbs |
| | 1800 | 208-230 / 460 | 405T | EX100401 | 113 | 95.4% | 1390 lbs |
| | 1200 | 460 | 444 / 5T | EX100601 | 115 | 95% | 1610 lbs |
| 125 | 3600 | 460 | 444 / 5TS | EX125201 | 134 | 95% | 1673 lbs |
| | 1800 | 460 | 444 / 5T | EX125401 | 134 | 95.4% | 1601 lbs |
| | 1200 | 460 | 444 / 5T | EX125601 | 138 | 95% | 1792 lbs |
| 150 | 3600 | 460 | 444 / 5TS | EX150201 | 164 | 95% | 1771 lbs |
| | 1800 | 460 | 444 / 5T | EX150401 | 163 | 95.8% | 1792 lbs |
| | 1200 | 460 | 447 / 9T | EX150601 | 167 | 95.8% | 2008 lbs |
| 200 | 3600 | 460 | 444 / 5TS | EX200201 | 223 | 95.4% | 1874 lbs |
| | 1800 | 460 | 455 / 7 / 9T | EX200401 | 223 | 96.2% | 2049 lbs |
| | 1200 | 460 | 477 / 9T | EX200601 | 233 | 95.8% | 2662 lbs |



Stainless Steel Motors TEFC

C-Face / Special Purpose Motors



Crusher Duty Motors ODP

Foot Mount / Special Purpose Motors

FEATURES

- + Service Factor 1.15
- + Design B
- + Class F Insulation
- + Lip Seals
- + Four Condensation Drains in each End Plate
- + 300 Series Stainless Steel Frame, End Plates, Shaft, Base, & Conduit Box

APPLICATIONS

- + Corrosive Environments
- + Food Processing
- + Outdoors
- + Packaging

| HP | RPM | VOLTS | FRAME | MODEL | | FL AMPS | FL EFF | WT |
|-----|------|---------------|-------|---------|----------|---------|--------|---------|
| | | | | FOOTED | FOOTLESS | | | |
| 1/3 | 3600 | 208-230 / 460 | 56C | SS13401 | SS13411 | 0.6 | 79.8% | 41 lbs |
| | | | | SS12201 | SS12211 | | | |
| 1/2 | 1800 | 208-230 / 460 | 56C | SS12401 | SS12411 | 0.87 | 81.2% | 48 lbs |
| | | | | SS12601 | SS12611 | | | |
| 3/4 | 3600 | 208-230 / 460 | 56C | SS34201 | SS34211 | 1.17 | 81.9% | 47 lbs |
| | | | | SS34401 | SS34411 | | | |
| | | | | SS34601 | SS34611 | | | |
| 1 | 1800 | 208-230 / 460 | 56C | SS1201 | SS1211 | 1.48 | 83.3% | 58 lbs |
| | | | | SS1401 | SS1411 | | | |
| | | | | SS1402 | SS1412 | | | |
| | | | | SS1403 | SS1413 | | | |
| | | | | SS1404 | SS1414 | | | |
| | | | | SS1405 | SS1415 | | | |
| 1.5 | 3600 | 208-230 / 460 | 56C | SS32201 | SS32211 | 2.05 | 82.3% | 64 lbs |
| | | | | SS32202 | SS32212 | | | |
| | | | | SS32401 | SS32411 | | | |
| | | | | SS32402 | SS32412 | | | |
| 2 | 3600 | 208-230 / 460 | 56C | SS2201 | SS2211 | 2.62 | 83% | 73 lbs |
| | | | | SS2202 | SS2212 | | | |
| | | | | SS2401 | SS2411 | | | |
| | | | | SS2402 | SS2412 | | | |
| | | | | SS2403 | SS2413 | | | |
| | | | | SS2404 | SS2414 | | | |
| 3 | 3600 | 208-230 / 460 | 145TC | SS3201 | SS3211 | 3.8 | 84% | 90 lbs |
| | | | | SS3202 | SS3212 | | | |
| | | | | SS3401 | SS3411 | | | |
| | | | | SS3402 | SS3412 | | | |
| 5 | 3600 | 208-230 / 460 | 184TC | SS5201 | SS5211 | 6.1 | 87.5% | 116 lbs |
| | | | | SS5401 | SS5411 | | | |
| 7.5 | 3600 | 208-230 / 460 | 213TC | SS7201 | SS7211 | 8.9 | 88.5% | 175 lbs |
| | | | | SS7401 | SS7411 | | | |
| 10 | 3600 | 208-230 / 460 | 215TC | SS10201 | SS10211 | 11.8 | 89.5% | 202 lbs |
| | | | | SS10401 | SS10411 | | | |

*Dimensions & Mounting
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FEATURES

- + High Efficient
- + Service Factor 1.15
- + Design C High Torque
- + Class F Insulation
- + Drive End Roller Bearing
- + Not Suitable for Direct Coupled Drive

APPLICATIONS

- + Belt Driven Rock Crushers
- + Pellet Mills
- + Severe Duty Services
- + High Starting Torque

*Dimensions & Mounting
Page 183*

| HP | RPM | VOLTS | FRAME | MODEL | FL AMPS | FL EFF | WT |
|-----|------|---------------|-----------|---------|---------|--------|----------|
| 100 | 1800 | 208-230 / 460 | 405T | CU10041 | 115 | 94.5% | 1184 lbs |
| | | | 444T | CU10061 | | | |
| 125 | 1800 | 208-230 / 460 | 444T | CU12541 | 144 | 94.5% | 1344 lbs |
| | | | 445T | CU12561 | | | |
| 150 | 1800 | 208-230 / 460 | 445T | CU15041 | 166 | 95% | 1637 lbs |
| | | | 445 / 7T | CU15061 | | | |
| 200 | 1800 | 208-230 / 460 | 445 / 7T | CU20041 | 230 | 95.2% | 2750 lbs |
| | | | 449T | CU20061 | | | |
| 250 | 1800 | 460 | 449T | CU25041 | 282 | 95% | 2583 lbs |
| | | | 505Z | CU25042 | | | |
| | | | 505UZ | CU25043 | | | |
| | | | 449T | CU25061 | | | |
| | | | 586 / 7 | CU25062 | | | |
| | | | 586 / 7UZ | CU25063 | | | |
| 300 | 1800 | 460 | 449T | CU30041 | 334 | 95.7% | 2809 lbs |
| | | | 586 / 7 | CU30042 | | | |
| | | | 586 / 7UZ | CU30043 | | | |
| | | | 449T | CU30061 | | | |
| | | | 586 / 7 | CU30062 | | | |
| | | | 586 / 7UZ | CU30063 | | | |
| 350 | 1800 | 460 | 586 / 7 | CU35041 | 378 | 95.8% | 4078 lbs |
| | | | 586 / 7UZ | CU35042 | | | |
| | | | 586 / 7 | CU35061 | | | |
| | | | 586 / 7UZ | CU35062 | | | |
| | | | 586 / 7 | CU35063 | | | |
| | | | 586 / 7UZ | CU35064 | | | |
| 400 | 1800 | 460 | 586 / 7 | CU40041 | 430 | 95.3% | 4224 lbs |
| | | | 586 / 7UZ | CU40042 | | | |
| | | | 586 / 7 | CU40061 | | | |
| | | | 586 / 7UZ | CU40062 | | | |
| | | | 586 / 7 | CU40063 | | | |
| | | | 586 / 7UZ | CU40064 | | | |
| 450 | 1800 | 460 | 586 / 7 | CU45041 | 478 | 96.1% | 4635 lbs |
| | | | 586 / 7 | CU45061 | | | |
| 500 | 1800 | 460 | 586 / 7 | CU50041 | 539 | 95.8% | 4768 lbs |
| | | | 586 / 7UZ | CU50042 | | | |
| | | | 586 / 7 | CU50061 | | | |
| | | | 586 / 7UZ | CU50062 | | | |



Close-Coupled Pump Motors TEFC

Definite Purpose Motors



Oil Well Pump Motors TEFC

Definite Purpose Motors

FEATURES

- + Service Factor 1.15
- + Design B
- + Class F Insulation
- + 40°C Ambient Temperature
- + Oversized Ball Bearing with Locked Drive End

APPLICATIONS

- + Circulating/Transferring Fluids

| HP | RPM | VOLTS | JM | | JP | | FL AMPS | FL EFF | WT |
|-----|------|---------------|-------|----------|-------|----------|---------|--------|---------|
| | | | FRAME | MODEL | FRAME | MODEL | | | |
| 1 | 1800 | 208-230 / 460 | 143JM | CCP14M1 | 143JP | CCP14P1 | 1.49 | 82.5% | 47 lbs |
| | 3600 | 208-230 / 460 | 143JM | CCP322M1 | 143JP | CCP322P1 | 1.99 | 82.5% | 45 lbs |
| 1.5 | 1800 | 208-230 / 460 | 145JM | CCP324M1 | 145JP | CCP324P1 | 2.05 | 84% | 54 lbs |
| | 3600 | 208-230 / 460 | 145JM | CCP22M1 | 145JP | CCP22P1 | 2.6 | 84% | 47 lbs |
| 2 | 1800 | 208-230 / 460 | 145JM | CCP24M1 | 145JP | CCP24P1 | 2.7 | 84% | 56 lbs |
| | 3600 | 208-230 / 460 | 145JM | CCP32M1 | 145JP | CCP32P1 | 3.8 | 84.5% | 67 lbs |
| 3 | 1800 | 208-230 / 460 | 182JM | CCP32M2 | 182JP | CCP32P2 | 3.59 | 85.5% | 103 lbs |
| | 3600 | 208-230 / 460 | 182JM | CCP34M1 | 182JP | CCP34P1 | 3.9 | 87.5% | 97 lbs |
| 5 | 3600 | 208-230 / 460 | 184JM | CCP52M1 | 184JP | CCP52P1 | 5.9 | 87.5% | 114 lbs |
| | 1800 | 208-230 / 460 | 184JM | CCP54M1 | 184JP | CCP54P1 | 6.48 | 87.5% | 102 lbs |
| 7.5 | 3600 | 208-230 / 460 | 184JM | CCP72M1 | 184JP | CCP72P1 | 8.66 | 82.5% | 126 lbs |
| | 1800 | 208-230 / 460 | 213JM | CCP72M2 | 213JP | CCP72P2 | 8.6 | 88.5% | 150 lbs |
| 10 | 1800 | 208-230 / 460 | 213JM | CCP74M1 | 213JP | CCP74P1 | 9.53 | 88.5% | 150 lbs |
| | 3600 | 208-230 / 460 | 215JM | CCP102M1 | 215JP | CCP102P1 | 11.7 | 89.5% | 150 lbs |
| 15 | 1800 | 208-230 / 460 | 215JM | CCP104M1 | 215JP | CCP104P1 | 12.8 | 89.5% | 165 lbs |
| | 3600 | 208-230 / 460 | 215JM | CCP152M1 | 215JP | CCP152P1 | 17 | 90.2% | 168 lbs |
| 20 | 1800 | 208-230 / 460 | 254JM | CCP152M2 | 254JP | CCP152P2 | 17 | 90.2% | 280 lbs |
| | 3600 | 208-230 / 460 | 254JM | CCP154M1 | 254JP | CCP154P1 | 17.9 | 90.2% | 266 lbs |
| 25 | 1800 | 208-230 / 460 | 256JM | CCP202M1 | 256JP | CCP202P1 | 24.4 | 91% | 313 lbs |
| | 3600 | 208-230 / 460 | 256JM | CCP204M1 | 256JP | CCP204P1 | 23.5 | 91% | 470 lbs |
| 30 | 1800 | 208-230 / 460 | 256JM | CCP252M1 | 256JP | CCP252P1 | 29 | 91% | 277 lbs |
| | 3600 | 208-230 / 460 | 284JM | CCP252M2 | 284JP | CCP252P2 | 29 | 91% | 353 lbs |
| 40 | 1800 | 208-230 / 460 | 284JM | CCP254M1 | 284JP | CCP254P1 | 29.6 | 92.4% | 437 lbs |
| | 3600 | 208-230 / 460 | 286JM | CCP302M1 | 286JP | CCP302P1 | 33.8 | 91% | 404 lbs |
| 50 | 1800 | 208-230 / 460 | 286JM | CCP304M1 | 286JP | CCP304P1 | 34.4 | 92.4% | 481 lbs |
| | 3600 | 208-230 / 460 | 324JM | CCP402M1 | 324JP | CCP402P1 | 46.1 | 91.7% | 561 lbs |
| 50 | 1800 | 208-230 / 460 | 324JM | CCP404M1 | 324JP | CCP404P1 | 47.6 | 93% | 587 lbs |
| | 3600 | 208-230 / 460 | 326JM | CCP502M1 | 326JP | CCP502P1 | 56.5 | 92.4% | 594 lbs |
| 50 | 1800 | 208-230 / 460 | 326JM | CCP504M1 | 326JP | CCP504P1 | 57.8 | 93.6% | 640 lbs |

FEATURES

- + Service Factor 1.15
- + Design D
- + Class F Insulation
- + 40°C Ambient Temperature
- + TEFC Enclosure

APPLICATIONS

- + Beam Pumps
- + Sucker Rod Pumps
- + High Torque / High Slip

| HP | RPM | VOLTS | FRAME | MODEL | FL AMPS | FL EFF | WT |
|-----|------|-----------------|-------|---------|---------------------|--------|----------|
| 3 | 1120 | 230 / 460 / 796 | 213T | OWP11 | 8.8 / 4.4 / 2.5 | 81.8% | 157 lbs |
| 5 | 1125 | 230 / 460 / 796 | 215T | OWP51 | 14.6 / 7.3 / 4.2 | 82.3% | 177 lbs |
| 7.5 | 1120 | 230 / 460 / 796 | 254T | OWP71 | 21.6 / 10.8 / 6.3 | 86.5% | 298 lbs |
| 10 | 1120 | 230 / 460 / 796 | 256T | OWP101 | 29.0 / 14.5 / 8.4 | 86.6% | 322 lbs |
| 15 | 1120 | 230 / 460 / 796 | 284T | OWP151 | 41.4 / 20.7 / 12 | 87.7% | 417 lbs |
| 20 | 1120 | 230 / 460 / 796 | 286T | OWP201 | 54 / 27 / 15.6 | 87.7% | 459 lbs |
| 25 | 1125 | 230 / 460 / 796 | 324T | OWP251 | 65.2 / 32.6 / 18.8 | 88.4% | 611 lbs |
| 30 | 1120 | 230 / 460 / 796 | 326T | OWP301 | 78 / 39 / 22.5 | 88.7% | 668 lbs |
| 40 | 1120 | 230 / 460 / 796 | 365T | OWP401 | 100 / 50 / 28.9 | 88.9% | 807 lbs |
| 50 | 1120 | 230 / 460 / 796 | 404T | OWP501 | 123 / 61.5 / 35.5 | 89.9% | 997 lbs |
| 60 | 1120 | 230 / 460 / 796 | 405T | OWP601 | 145.2 / 72.6 / 42 | 89.9% | 1087 lbs |
| 75 | 1140 | 230 / 460 / 796 | 444T | OWP751 | 185.2 / 92.6 / 53.5 | 90.6% | 1431 lbs |
| 100 | 1140 | 230 / 460 / 796 | 445T | OWP1001 | 242 / 121 / 69.9 | 91% | 1751 lbs |

Dimensions & Mounting
Page 184



Air Compressor Motors ODP

Definite Purpose Motors

APPLICATIONS

- + Single-Phase Compressors

| HP | RPM | VOLTS | FRAME | MODEL | SF | FL AMPS | OVERLOAD |
|-----|------|-----------|-------|-------|-----|-------------|----------|
| 1.5 | 3600 | 115 / 230 | 56 | A843 | 1 | 22 / 11 | Manual |
| 2 | 3600 | 115 / 230 | 56 | A874 | 1 | 24 / 12 | Manual |
| 3 | 3600 | 230 | 56 | A867 | 1 | 15 | Manual |
| 5 | 3600 | 208-230 | 56HZ | A976 | 115 | 22 | Manual |
| 7.5 | 3600 | 208-230 | 184T | A1057 | 115 | 34.3 / 31.0 | None |

FEATURES

- + Class B Insulation
- + 40°C Ambient Temperature
- + Manual Reset Thermal Overload Protector
- + Rigid Base
- + ODP Enclosure



PUMPS





Pump Field Services

Industrial Service Solutions is available around-the-clock for your unplanned maintenance and emergency repairs. Whether its excessive vibration or operational issues, our highly skilled technicians have the know-how and independent capabilities to troubleshoot, diagnose, and yield solutions for all pump types, brands, and applications. With a fleet of service vehicles, including 53-foot mobile tooling trailers, we are fully equipped to machine, weld, fabricate, test, and repair equipment onsite.

- + 24/7 Emergency Service
- + Preventative Maintenance
- + Mechanical & Electrical Repairs
- + Machining & Part Fabrication
- + Onsite Flange Facing
- + Bearing & Seal Replacement
- + Packing Replacement
- + Installation & Rigging Service
- + Precision Laser Alignment
- + Start-up & Troubleshooting
- + Performance Testing
- + Vibration Analysis
- + Dynamic Balancing
- + Infrared Thermal Imaging

Pump Repairs & Overhauls

When a pump issue cannot be addressed in the field, our repair shops across the United States are fully equipped and ready to service any industrial pump. Our experts have extensive OEM knowledge and often receive pumps our competitors do not or will not repair. We repair pumps to like-new condition, usually better than new, with tighter tolerances, and enhanced efficiency. Our technicians can recommend upgrades to prolong your pump's lifespan and our engineers can design a customized pump system if you need more capacity. Even if parts are unavailable, our machinists have the capability to manufacture custom parts on demand to keep your downtime to a minimum.

- + ANSI Pumps
- + Gear Pumps
- + In-line Pumps
- + Lobe Pumps
- + Mixers
- + Slurry Pumps
- + Trash Pumps
- + Well Pumps
- + Axial Flow Pumps
- + Booster Pumps
- + Diaphragm Pumps
- + Centrifugal Pumps
- + Grinder Pumps
- + Progressive Cavity
- + Split Case Pumps
- + Turbine Pumps
- + End Suction Pumps
- + Multi-Screw Pumps
- + Multi-Stage Pumps
- + Non-Metallic Pumps
- + Self-Priming Pumps
- + Sliding Vane Pumps
- + Submersible Pumps



Brands We Represent

Industrial Service Solutions is a distributor of pumps for all types of industrial, municipal, and commercial applications. We provide distribution for the major OEMs below.



* Some brands may not be available in all geographic areas.



MP-3 ANSI Centrifugal Pumps

Equivalent to Flowserve Durco Mark III

APPLICATIONS

- + Acid Transfer
- + Brine
- + Chemical Processing
- + Petrochemical Processing
- + Corrosive Services
- + Food & Beverage Processing
- + Hydrocarbon Processing
- + Pharmaceuticals

| | |
|-----------------------|--|
| G1 SIZES | 1.5x1LF-4, 1.5x1-6, 3x1.5-6, 3x2-6, 1.5x1LF-8, 1.5x1-8, 3x1.5-8 |
| G2 SIZES | 3x2-8, 4x3-8, 2x1LF-10, 2x1-10A, 3x1.5-10A, 3x2-10A, 4x3-10, 4x3-10H, 6x4-10, 6x4-10H, 3x1.5LF-13, 3x1.5-13, 3x2-13, 4x3-13, 4x3-13HH, 6x4-13A |
| G3 SIZES | 8x6-14A, 10x8-14, 6x4-16, 8x6-16A, 10x8-16, 10x8-16H, 10x8-17 |
| FLOW | to 7,000 GPM |
| HEADS | to 730 FT |
| PRESSURES | to 375 PSI |
| TEMPERATURES | to 700°F |
| STANDARDS | ISO-9001, ANSI B73.1 |
| CONFIGURATIONS | Standard, Low Flow, Recessed Impeller, Self-Priming |

FEATURES

- + Heavy-duty casing with integral foot and multi-ribbed discharge flange provides superior resistance to pipe loads and improves reliability
- + Precision cast reverse vane impeller is the only impeller design that offers repeatable pump performance throughout the life of the pump
- + Open impellers available
- + Seal chamber extends seal life and provides advanced self-flushing capability
- + Standard non-contacting labyrinth seals keep lubricant in and contaminants out
- + Heavy-duty radial and thrust bearings selected for long life and reliability
- + External micrometer impeller adjustment mechanism accurately sets impeller clearance in 20 seconds
- + Two-piece, ductile iron bearing housing is designed for safety, strength, interchangeability and retrofit capability
- + Back pull-out design allows removal of rotating element without removing casing, piping, or motor

*Performance
Page 182*



MP-6913 ANSI Centrifugal Pumps

Equivalent to ITT Goulds 3196



MP-MAG-I Centrifugal Pumps

Equivalent to MISSION Magnum

APPLICATIONS

- + Air Separation & HVAC
- + Chemical & Petrochemical
- + Grain/Corn Processing
- + Power Generation
- + Pulp & Paper
- + Marine & Shipbuilding

| | |
|-----------------------|--|
| SIZES | 1x1.5-6, 1.5x3-6, 2x3-6, 3x4-7, 1x1.5-8, 1.5x3-8, 2x3-8, 3x4-8, 3x4-8G, 1x2-10, 1.5x3-10, 2x3-10, 3x4-10, 3x4-10H, 4x6-10, 4x6-10H, 1.5x3-13, 2x3-13, 3x4-13, 4x6-13, 6x8-13, 8x10x13, 6x8-15, 8x10-15, 8x10-15G |
| FLOW | to 7,000 GPM |
| HEADS | to 730 FT |
| PRESSURES | to 375 PSI |
| TEMPERATURES | to 700°F |
| STANDARDS | ISO-9001, ANSI B73.1 |
| CONFIGURATIONS | Standard, Low Flow, Recessed Impeller |

FEATURES

- + Easier to automate than gate valves, often easier than rotary valves
- + Lower installation cost and higher performance than gate valves
- + Provides reliability and tight shut-off under many damaging process conditions
- + Can easily be adapted to comply with evolving emission regulations
- + Positive shaft retention prevents movement of the shaft past the compression plate
- + Flexible-lip polymeric seat assures positive shut-off, extending life cycle
- + Only the insert needs to be removed to replace the seat; the insert and seat are self-aligning
- + Low torque requirements allow the use of less costly actuators
- + Available in a broad range of materials for standard and special services including chlorine, oxygen, cryogenics, and vacuum.

Performance
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APPLICATIONS

- + Ash or Coal Conveyors
- + Barite, Ferric Oxide, Mineral Oil
- + Base Drilling Muds
- + Cement
- + Crystalline Forms
- + Glass Fibers
- + Kaolin Clay
- + Lime Slurries
- + Mine De-Watering
- + Sugar Processing

| | |
|--------------|---|
| SIZES | 6x5-11, 8x6-11, 3x2-13, 4x3-13, 5x4-14, 6x5-14, 8x6-14, 10x8-14 |
| FLOW | to 2,600 GPM |
| HEADS | to 550 FT |

FEATURES

- + Up to 50% more capacity from the 8x6 pump
- + Optimum pressure at low operating speeds
- + Thicker casing to extend life from wear and corrosion
- + New impeller design to reduce loads and extend wearing life
- + Larger and stronger shaft to reduce deflection
- + Replaceable shaft sleeve in packing wear area
- + Larger and longer life bearings
- + Replaceable stuffing box cover
- + Smoother, non-turbulent flow throughout casing

Dimensions
Page 184



MP-MAG-XP Centrifugal Pumps

Equivalent to *MISSION Magnum XP*

APPLICATIONS

- + Blending
- + Bottom Ash
- + Copper, Bauxite, Quarry Slurries
- + Dredge Tailings
- + Fluid Supercharging
- + Fly Ash
- + Food Processing
- + Lead & Zinc Ore & Tailings
- + Nickel Shot
- + Paper Pulp Processing
- + Sand Slurry
- + Sewage
- + Slag
- + Spent Liquor
- + Waste Slurries

| | |
|------------------|----------------------------|
| SIZES | 14x12-22, 12x10-23, 8x6-18 |
| PRESSURES | from 3,000 to 7,500 GPM |
| HEADS | from 75 to 410 FT |

FEATURES

- + Versatile stuffing box
- + One-piece casing
- + Casing gasket receded for protection
- + Back vanes reduce collection of solids at stuffing box
- + Long-life, no-adjustment mechanical seal available for near zero leakage
- + Replaceable shaft sleeve
- + Lip seals for maximum bearing protection (labyrinth seals optional)
- + Duplex angular contact bearings
- + Thicker, stronger concentric casings
- + Full pipe diameter entrance for minimum turbulence and maximum efficiency
- + Single row roller bearings for increased bearing life
- + Easily accessible front access drain
- + Reduced high bearing loads

Dimensions
Page 185



MP-2500 Centrifugal Pumps

Equivalent to *MISSION 2500 Supreme*

APPLICATIONS

- + Ash or Coal Conveyors
- + Barite, Ferric Oxide, Mineral Oil
- + Base Drilling Muds
- + Cement
- + Crystalline Forms
- + Glass Fibers
- + Kaolin Clay
- + Lime Slurries
- + Mine De-Watering
- + Sugar Processing

| | |
|--------------|---|
| SIZES | 6x5-11, 8x6-11, 3x2-13, 4x3-13, 5x4-14, 6x5-14, 8x6-14, 10x8-14 |
| FLOW | to 2,600 GPM |
| HEADS | to 550 FT |

FEATURES

- + Versatile stuffing box
- + Thick, strong, concentric casing with replaceable casing wear pad
- + Casing gasket receded for protection
- + Replaceable stuffing box cover with dual stuffing box bolts
- + Long-life, no-adjustment mechanical seal available for near zero leakage
- + Replaceable shaft sleeve
- + Solid frame base
- + Labyrinth seals for maximum bearing protection
- + Duplex angular contact bearings
- + Full pipe diameter entrance for minimum turbulence and maximum efficiency
- + Wide semi-open impeller creates lower axial thrust for improved bearing life
- + All sizes feature the same power cord

Dimensions
Page 186



MP-MChr Centrifugal Pumps

Equivalent to *MISSION Magnachrome*

APPLICATIONS

- + Ash or Coal Conveyors
- + Barite, Ferric Oxide, Mineral Oil
- + Base Drilling Muds
- + Cement
- + Crystalline Forms
- + Glass Fibers
- + Kaolin Clay
- + Lime Slurries
- + Mine De-Watering
- + Sugar Processing

| | |
|--------------|---|
| SIZES | 6x5-11, 8x6-11, 3x2-13, 4x3-13, 5x4-14, 6x5-14, 8x6-14, 10x8-14 |
| FLOW | to 2,600 GPM |
| HEADS | to 550 FT |

FEATURES

- + High grade, heavy walled, solid construction offering superior performance over lined pumps and those using inserts
- + One power frame fits all sizes
- + Double row angular contact bearings to minimize axial thrust
- + Double row inboard bearings to minimize effects of radial load
- + Greater capacity and higher heads for extremely abrasive fluids



MP-SandM Centrifugal Pumps

Equivalent to *MISSION Sandmaster*

APPLICATIONS

- + Air Separation & HVAC
- + Chemical & Petrochemical
- + Grain/Corn Processing
- + Power Generation
- + Pulp & Paper
- + Marine & Shipbuilding

| | |
|--------------|---|
| SIZES | 6x5-11, 8x6-11, 3x2-13, 4x3-13, 5x4-14, 6x5-14, 8x6-14, 10x8-14 |
| FLOW | to 2,600 GPM |
| HEADS | to 550 FT |

FEATURES

- + More compact design than MP-MAG-I
- + Can be adapted for hydraulic motor drive
- + Up to 50% more capacity from the 8x6 pump
- + Optimum pressure at low operating speeds
- + Thicker casing to extend life from wear and corrosion
- + New impeller design to reduce loads and extend wearing life
- + Larger and stronger shaft to reduce deflection
- + Replaceable shaft sleeve in packing wear area
- + Larger and longer life bearings
- + Replaceable stuffing box cover
- + Smoother, non-turbulent flow throughout casing

*Dimensions
Page 187*



MP-LJC Vertical Turbine Pumps

Equivalent to ITT Goulds VTP

APPLICATIONS

- + Boiler Feed
- + Chemical Transfer
- + Condensate Service
- + Cryogenics
- + Injection Secondary Recovery
- + Light Hydrocarbons
- + LNG Transfer
- + Pipeline Booster
- + Product Transfer
- + Refinery Blending
- + Water Services

| MODEL | CAPACITY M ³ /H | HEAD M | | | STAGE I | STRING QTY MM | RPM | KW | EFF | DIA MM |
|--------------|-------------------------------|--------|-----|------|---------|------------------|------|-----|-----|-----------|
| 100MPLJC10-4 | 6.51012 | 44 | 40 | 32 | 10 | 8 | 2940 | 5.5 | 62 | 92 |
| | | 52.5 | 44 | 35 | 11 | | | | | |
| | | 53 | 48 | 38 | 12 | | | | | |
| | | 58 | 52 | 41.5 | 13 | | | | | |
| | | 61.5 | 56 | 44.5 | 14 | | | | | |
| | | 66 | 60 | 48 | 15 | | | | | |
| | | 70 | 64 | 51 | 16 | | | | | |
| | | 74.5 | 68 | 54 | 17 | | | | | |
| | | 79 | 72 | 57.5 | 18 | | | | | |
| | | 83.5 | 76 | 60.5 | 19 | | | | | |
| | | 88 | 80 | 64 | 20 | | | | | |
| | | 92 | 84 | 67 | 21 | | | | | |
| | | 96.5 | 88 | 70 | 22 | | | | | |
| | | 102 | 92 | 73.5 | 23 | | | | | |
| 105.5 | 96 | 76.5 | 24 | | | | | | | |
| 110 | 100 | 80 | 25 | | | | | | | |
| 115 | 104 | 83 | 26 | | | | | | | |
| 150MPLJC10-9 | 8 | 56 | 54 | 40 | 6 | 12 | 2940 | 5.5 | 62 | 138 |
| | | 65 | 63 | 47 | 7 | | | | | |
| | | 74.5 | 72 | 54 | 8 | | | | | |
| | | 84 | 80 | 61 | 9 | | | | | |
| | | 93 | 89 | 67.5 | 10 | | | | | |
| | | 102.5 | 98 | 61.5 | 11 | | | | | |
| | | 112 | 108 | 81 | 12 | | | | | |
| | | 121 | 117 | 87.5 | 13 | | | | | |
| | | 130 | 126 | 94.5 | 14 | | | | | |
| | | 139.5 | 135 | 101 | 15 | | | | | |
| 149 | 144 | 108 | 16 | | | | | | | |

FEATURES

- + Fabricated discharge head and flanged column
- + Flanged bowl construction and 416SS shafting
- + In-line suction and discharge simplifies installation
- + Optional suction in can for site piping flexibility
- + Inherent design features allow efficient operation at any NPSH available
- + Alloy construction with external flush of critical wear areas available for corrosive/abrasive services
- + Built-in alignment and simple piping for less costly installation and ease of maintenance/reduced downtime

Dimensions
Page 188



MPP High Efficiency Slurry Pumps

Equivalent to Weir Warman AH

APPLICATIONS

- + Cooling & Heating Systems
- + Desalination Plants
- + Fire Protection
- + Irrigation & Drainage
- + Long Distance Water Supply
- + Marine & Offshore Engineering
- + Power Stations
- + Pressure Boosting
- + Water Transport
- + Water Utilities

| | |
|---------------------|---------------------|
| SIZES | TBD |
| FLOW | TBD |
| HEADS | TBD |
| PRESSURES | TBD |
| TEMPERATURES | from -40°F to 250°F |
| HORSEPOWER | to 1,500 HP |
| STANDARDS | ISO-9001, ISO-9002 |

FEATURES

- + Single case construction without shaft seal provides easy installation and maintenance
- + Pump casing, cover, and impeller are made of 28% chrome (ASTM A532) cast iron to ensure wear resistance
- + Single volute design for low constant radial loads and a tapered fitting between the case and cover for easy assembly and disassembly
- + Open or closed impeller with twisted vanes for high efficiency and good flow conditions to ensure even wear
- + Heavy shaft and no shaft seal for severe operating conditions
- + Pump and motor can be directly coupled or connected with belts



MP-DS Double Suction Split Case Pumps

Equivalent to ITT Goulds 3420



MP-ANSI Double Suction Split Case Pumps

Equivalent to ITT Goulds 3410

APPLICATIONS

- + Cooling & Heating Systems
- + Desalination Plants
- + Fire Protection
- + Irrigation & Drainage
- + Long Distance Water Supply
- + Marine & Offshore Engineering
- + Power Stations
- + Pressure Boosting
- + Water Transport
- + Water Utilities

| | |
|---------------------|--|
| SIZES | 14 to 48 IN |
| FLOW | to 79,260 GPM (higher rates available) |
| HEADS | to 1,800 FT |
| PRESSURES | to 1,015 PSI |
| TEMPERATURES | to 175°F |
| STANDARDS | API 610, ANSI B73.1 |

FEATURES

- + Horizontal or vertical installation with double entry radial impeller
- + Mating flanges to DIN, ISO, BS, or ANSI
- + High operating reliability and excellent efficiencies keep operating costs down
- + Service friendly design to the world's highest standards on quality, safety, reliability, and durability
- + Low maintenance costs and high availability
- + Sustainable pump design with low life cycle costs

APPLICATIONS

- + Cooling & Heating Systems
- + Desalination Plants
- + Fire Protection
- + Irrigation & Drainage
- + Long Distance Water Supply
- + Marine & Offshore Engineering
- + Power Stations
- + Pressure Boosting
- + Water Transport
- + Water Utilities

| | |
|---------------------|--|
| SIZES | 3 to 14 IN |
| FLOW | to 12,680 GPM (higher rates available) |
| HEADS | to 690 FT |
| PRESSURES | to 360 PSI |
| TEMPERATURES | to 285°F |
| STANDARDS | API 610, ANSI B73.1 |

FEATURES

- + Horizontal or vertical installation with double entry radial impeller
- + Mating flanges to DIN, ISO, BS, or ANSI
- + High operating reliability and excellent efficiencies keep operating costs down
- + Service friendly design to the world's highest standards on quality, safety, reliability, and durability
- + Low maintenance costs and high availability
- + Sustainable pump design with low life cycle costs



MP-DSP Double Suction Split Case Pumps

Equivalent to ITT Goulds 3415



SH Series Submersible HD Pumps

Equivalent to Tsurumi HS Series

APPLICATIONS

- + Cooling & Heating Systems
- + Desalination Plants
- + Fire Protection
- + Irrigation & Drainage
- + Long Distance Water Supply
- + Marine & Offshore Engineering
- + Power Stations
- + Pressure Boosting
- + Water Transport
- + Water Utilities

| | |
|---------------------|--|
| SIZES | 14 to 28 IN |
| FLOW | to 44,000 GPM (higher rates available) |
| HEADS | to 790 FT |
| PRESSURES | to 360 PSI |
| TEMPERATURES | to 285°F |
| STANDARDS | API 610, ANSI B73.1 |

FEATURES

- + Horizontal or vertical installation with double entry radial impeller
- + Mating flanges to DIN, ISO, BS, or ANSI
- + High operating reliability and excellent efficiencies keep operating costs down
- + Service friendly design to the world's highest standards on quality, safety, reliability, and durability
- + Low maintenance costs and high availability
- + Sustainable pump design with low life cycle costs

APPLICATIONS

- + General Purpose
- + Civil Engineering & Construction Works
- + Mines, Quarries, Coal Ore, & Slurries
- + Sewage Treatment Plants

FEATURES

- + Capacity up to 372m³/h
- + Head up to 295'
- + 30 HP to 60 HP
- + Class F Insulation
- + IP68 Protection Class
- + 65' Cable Length (optional)
- + 40°C Ambient Temperature
- + 98' Max Water Depth

| MODEL 50/60Hz | OUTLET | POWER | | CURR | CAPACITY | | HEAD | MAX CAPACITY | | MAX HEAD | IMPELLER PASSAGE |
|---------------|--------|-------|----|------|-------------------|---------------------|-------|-------------------|---------------------|----------|------------------|
| | MM | HP | KW | A | M ³ /H | M ³ /MIN | M | M ³ /H | M ³ /MIN | M | MM |
| SH422 | 100 | 30 | 22 | 41.5 | 66 | 11 | 60 | 130/138 | 217/2.3 | 68 | 6 |
| SH430 | 100 | 40 | 30 | 54 | 72 | 1.2 | 70/75 | 170/144 | 2.83/2.4 | 78/82 | 6 |
| SH622 | 150 | 30 | 22 | 41.5 | 120 | 2.0 | 37/40 | 200/210 | 3.33/3.5 | 50/52 | 15 |
| SH630 | 150 | 40 | 30 | 54 | 140 | 2.33 | 45/48 | 220/216 | 3.67/3.6 | 58/64 | 15 |
| SH637 | 150 | 50 | 37 | 66 | 60 | 1.0 | 80 | 220 | 3.67 | 83 | 6 |
| SH645 | 150 | 60 | 45 | 80 | 84 | 1.4 | 80 | 220 | 3.67 | 90 | 6 |
| SH837 | 200 | 50 | 37 | 66 | 216 | 3.6 | 35 | 330 | 5.5 | 48 | 20 |
| SH845 | 200 | 60 | 45 | 80 | 270 | 4.5 | 35 | 372 | 6.2 | 53 | 20 |

Dimensions & Performance
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KBZ Series Submersible Drainage Pumps

APPLICATIONS

- + General Purpose
- + Civil Engineering
- + Mines, Quarries, Coal Ore, & Slurries
- + Sewage Treatment Plants

FEATURES

- + Capacity up to 160m³/h
- + Head up to 187'
- + 2 HP to 20 HP
- + Class F Insulation
- + IP68 Protection Class
- + 26' Cable Length (optional)
- + 40°C Ambient Temperature
- + 82' Max Water Depth

| MODEL 50Hz | OUTLET | POWER | | CURR 380V | CAPACITY | | HEAD | MAX CAPACITY | | MAX HEAD | IMPELLER PASSAGE |
|---------------|--------|-------|-----|--------------|-------------------|---------------------|------|-------------------|---------------------|-------------|---------------------|
| | MM | HP | KW | A | M ³ /H | M ³ /MIN | M | M ³ /H | M ³ /MIN | M | MM |
| KBZ21.5 | 50 | 2 | 1.5 | 3.5 | 15 | 0.25 | 16.5 | 27 | 0.45 | 23 | 8.5 |
| KBZ31.5 | 80 | 2 | 1.5 | 3.5 | 30 | 0.5 | 9 | 45 | 0.75 | 15 | 8.5 |
| KBZ22.2 | 50 | 3 | 2.2 | 5.1 | 18 | 0.3 | 20 | 31 | 0.52 | 28 | 8.5 |
| KBZ32.2 | 80 | 3 | 2.2 | 5.1 | 30 | 0.6 | 13 | 47 | 0.78 | 20.5 | 8.5 |
| KBZ23.7 | 50 | 5 | 3.7 | 8 | 12 | 0.2 | 30 | 50 | 0.83 | 33 | 8.5 |
| KBZ33.7 | 80 | 5 | 3.7 | 8 | 30 | 0.5 | 22 | 55 | 0.92 | 31 | 8.5 |
| KBZ43.7 | 100 | 5 | 3.7 | 8 | 60 | 1 | 11.5 | 96 | 1.6 | 18.5 | 8.5 |
| KBZ35.5 | 80 | 7.5 | 5.5 | 11.6 | 36 | 0.6 | 25 | 69 | 1.15 | 38 | 8.5 |
| KBZ45.5 | 100 | 7.5 | 5.5 | 11.6 | 60 | 1 | 16 | 102 | 1.7 | 24.4 | 8.5 |
| KBZ47.5 | 100 | 10 | 7.5 | 15.4 | 48 | 0.8 | 30 | 80 | 1.33 | 41 | 11.5 |
| KBZ67.5 | 150 | 10 | 7.5 | 15.4 | 90 | 1.6 | 15 | 127 | 2.12 | 31 | 19.5 |
| KBZ411 | 100 | 15 | 11 | 22.5 | 60 | 1 | 35 | 84 | 1.4 | 48.5 | 11.5 |

| MODEL 60Hz | OUTLET | POWER | | CURR 400V | CAPACITY | | HEAD | MAX CAPACITY | | MAX HEAD | IMPELLER PASSAGE |
|---------------|--------|-------|-----|--------------|-------------------|---------------------|------|-------------------|---------------------|-------------|---------------------|
| | MM | HP | KW | A | M ³ /H | M ³ /MIN | M | M ³ /H | M ³ /MIN | M | MM |
| KBZ21.5 | 50 | 2 | 1.5 | 3.5 | 15 | 0.25 | 15 | 27 | 0.45 | 22 | 8.5 |
| KBZ31.5 | 80 | 2 | 1.5 | 3.5 | 30 | 0.5 | 8 | 40 | 0.67 | 14.5 | 8.5 |
| KBZ22.2 | 50 | 3 | 2.2 | 5.0 | 18 | 0.3 | 20 | 33 | 0.55 | 26 | 8.5 |
| KBZ32.2 | 80 | 3 | 2.2 | 5.0 | 36 | 0.6 | 11 | 55 | 0.92 | 19 | 8.5 |
| KBZ23.7 | 50 | 5 | 3.7 | 7.7 | 12 | 0.2 | 30 | 33 | 0.55 | 34 | 8.5 |
| KBZ33.7 | 80 | 5 | 3.7 | 7.7 | 30 | 0.5 | 20 | 55 | 0.92 | 29 | 8.5 |
| KBZ43.7 | 100 | 5 | 3.7 | 7.7 | 60 | 1 | 11.5 | 90 | 1.5 | 18.5 | 8.5 |
| KBZ35.5 | 80 | 7.5 | 5.5 | 11.4 | 36 | 0.6 | 25 | 75 | 1.25 | 34 | 8.5 |
| KBZ45.5 | 100 | 7.5 | 5.5 | 11.4 | 60 | 1 | 16 | 105 | 1.75 | 23 | 8.5 |
| KBZ47.5 | 100 | 10 | 7.5 | 15 | 48 | 0.8 | 30 | 84 | 1.4 | 40 | 11.5 |
| KBZ67.5 | 150 | 10 | 7.5 | 15 | 90 | 1.6 | 15 | 124.8 | 2.08 | 31 | 19.5 |
| KBZ411 | 100 | 15 | 11 | 22 | 60 | 1 | 35 | 84 | 1.4 | 48.5 | 11.5 |

Dimensions & Performance

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VALVES



Valve Maintenance & Repair

With more than 300 highly skilled and certified technicians, the most field service trailers in the industry, and strategically located regional repair shops, Industrial Service Solutions is fully equipped to service and support your valves' entire life cycle. We deliver a wide range of onsite services from valve testing and inspection to maintenance including machining and welding to parts procurement and upgrades. Our factory authorized repair centers offer full-service repairs, reconditioning, modifications, testing and inspection services for all brands, types, and sizes of valves and actuators.

- + *Ball Valves*
- + *Butterfly Valves*
- + *Check Valves*
- + *Control Valves*
- + *Gate Valves*
- + *Globe Valves*
- + *In-line Valves*
- + *Manual Valves*
- + *Mixing Valves*
- + *MOV Valves*
- + *Plug Valves*
- + *Pressure Relief*
- + *Safety Valves*
- + *Switch Valves*
- + *Vent Valves*
- + *Electric Actuators*
- + *Hydraulic Actuators*
- + *Pneumatic Actuators*

Service Technicians Trained to Diagnose, Service, & Repair

- + *Anderson Greenwood*®
- + *Atwood & Morrill*®
- + *Auma*®
- + *Centerline*®
- + *Chapman*®
- + *Conbraco*®
- + *Consolidated*®
- + *Crane / Pacific*®
- + *General Twin Seal*®
- + *HBE Engineering*®
- + *CCI*®
- + *Conval*®
- + *Crosby*®
- + *Durco*®
- + *Edwards*®
- + *Farris*®
- + *Fisher*®
- + *Flowseal*®
- + *Limitorque*®
- + *Masoneilan*®
- + *Newco*®
- + *ORBIT*®
- + *Rotork*®
- + *Shand & Jurs*®
- + *Valtek*®
- + *Velan*®
- + *WedgePlug*®
- + *Weir*®



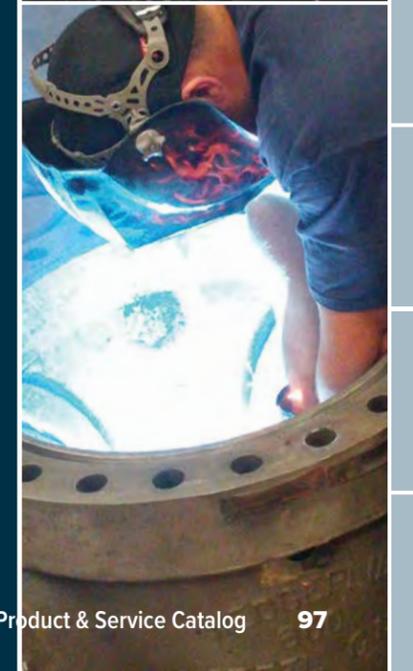
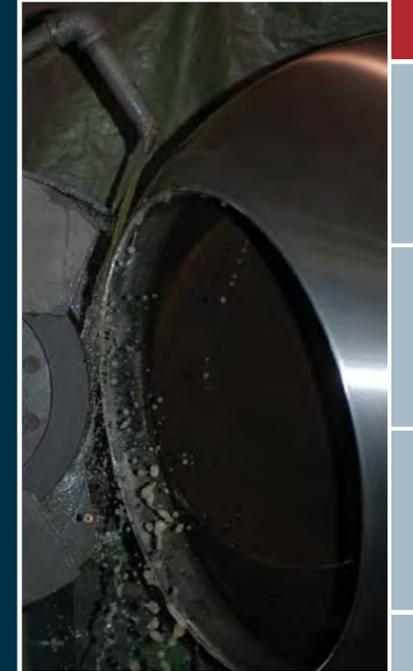
Valve Shop Services

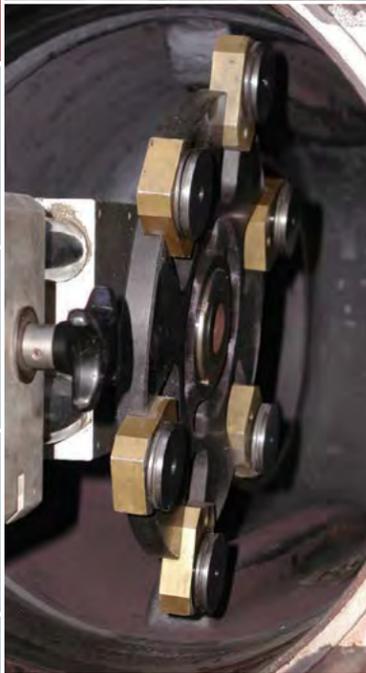
We can service, repair, and remanufacture all brands, types, sizes, and applications of valves, including block, control, and pressure relief valves. Our authorized repair centers are available 24/7 and ready to work with your operations and engineering personnel on process requirements, optimize valve repair vs replace decisions, and improve valve performance in the field. We can also coordinate with maintenance and planning to schedule work to procure parts and equipment to complete the project on time and within budget.

- + *OEM Authorized Service Center*
- + *24/7 Emergency Repairs*
- + *Preventative Maintenance*
- + *Reconditioning & Remanufacturing*
- + *OEM Parts Procurement*
- + *Part Reverse Engineering*
- + *Valve Seat Machining & Grinding*
- + *Valve Fabrication & Welding*
- + *New Valve Modifications*
- + *Manual to MOV Conversions*
- + *Flange Face Conversions*
- + *Actuator Sizing & Assembly*
- + *In-line Testing with Lift Assist*
- + *Non-Destructive Testing*
- + *Warehouse Storage*
- + *Online Asset Tracking*
- + *Class 9 Cleanroom*

CERTIFICATIONS

- + National Board VR Stamp
- + National Board ASME Section I & VIII
- + Limitorque "Blue Ribbon" Service Center
- + Consolidated Authorized Green Tag Center





Valve Field Service

Industrial Service Solutions' fleet of 48 to 53 foot mobile tooling trailers are fully equipped for inline machining, part fabrication, welding, actuation repair, and live-steam testing to National Board standards. Onsite we can service any valve type, brand, size, material, pressure, and operating condition. In addition to valve repair and maintenance, our field service team excels at larger projects, including turnarounds, outages, upgrades, and installations. Whatever the time, location, or complexity of a project, Industrial Service Solutions has the field service know-how and equipment to do the job safely, on schedule, and within budget.

- + 24/7 Emergency Service
- + Preventative Maintenance
- + Turnarounds & Outages
- + Start-up & Troubleshooting
- + Upgrades & Installation
- + Part Procurement/Management
- + Onsite Part Fabrication
- + Non-Destructive Testing
- + Modifications & Retrofits
- + In-line Machining & Welding
- + Valve Seat Hard Facing
- + Stem Polishing & Coating
- + Mechanical Support & Bolt-Up
- + Valve Repacking Services
- + Leak Detection & Repair (LDAR)
- + Testing & Calibration

Comprehensive Valve Testing

Our technicians use advanced methods of testing to reduce downtime cost while preserving the safety and integrity of your valves. All test stands at our repair facilities are certified by the National board, including mobile test stands used in the field. We can test air at 6,000 psi, nitrogen at 6,000 psi, water at 8,000 psi, and steam at 1,500 psi. If you need in-line testing for pressure and safety relief valves, we have EVT and AVK test units and can setup specific test programs, including linkage to ValvKeep for future preventative maintenance.



New & Reconditioned Valve Products & Parts

Industrial Service Solutions has an extensive inventory of new valve products and a large supply of valves on-hand ready to be reconditioned. Our experienced product specialists select and size the correct valve products, even in critical safety and control valve applications. If a new or reconditioned valve isn't the right solution, our in-house valve repair services provide fast, high-quality turnarounds.



Brands We Represent

Industrial Service Solutions is a distributor of pumps for all types of industrial, municipal, and commercial applications. We provide distribution for the major OEMs below.



* Some brands may not be available in all geographic areas.



High Performance Double Offset Butterfly Valves

Equivalent to ABZ, Bray, Crane, Durco, & Jamesbury

APPLICATIONS

- + Air Separation & HVAC
- + Chemical & Petrochemical
- + Grain/Corn Processing
- + Power Generation
- + Pulp & Paper
- + Marine & Shipbuilding

| | |
|-------------------------|---|
| SIZES | 2 to 24 IN (up to 60 IN available) |
| PRESSURES | ANSI Class 150, 300, 600 |
| TEMPERATURES | from -196°F to 550°F |
| BODY STYLE | Wafer, Lug, Flanged |
| BODY MATERIAL | Cast Steel, Stainless Steel |
| SEAT MATERIAL | PTFE, EPDM, NBR, Metal Seated |
| DESIGN STANDARD | API 609, MSS SP-67, BS 5155, EN 593, DIN 3354 |
| FLANGE DRILLING | ASME B16.5, ASME B16.47, DIN 2501, EN 1092 |
| TESTING STANDARD | API 598, EN 12266 |
| FACE-TO-FACE | API 609, DIN 3202 |

FEATURES

- + Easier to automate than gate valves, often easier than rotary valves
- + Lower installation cost and higher performance than gate valves
- + Provides reliability and tight shut-off under many damaging process conditions
- + Can easily be adapted to comply with evolving emission regulations
- + Positive shaft retention prevents movement of the shaft past the compression plate
- + Flexible-lip polymeric seat assures positive shut-off, extending life cycle
- + Only the insert needs to be removed to replace the seat; the insert and seat are self-aligning
- + Low torque requirements allow the use of less costly actuators
- + Available in a broad range of materials for standard and special services including chlorine, oxygen, cryogenics, and vacuum.



Series 1200 Butterfly Valves

Equivalent to Crane Series 200



C-KGA Slurry Knife Gate Valves

Equivalent to Clarkson KGA

APPLICATIONS

- + Air Separation & HVAC
- + Food & Beverage
- + Chemical & Petrochemical
- + Power Generation
- + Pulp & Paper

| | |
|-------------------------|--|
| SIZES | 2 to 48 IN |
| PRESSURES | to 200 PSI |
| TEMPERATURES | to 300°F |
| BODY STYLE | Wafer, Lug, Flanged |
| BODY MATERIAL | Cast Iron, Ductile Iron, Stainless Steel |
| SEAT MATERIAL | PTFE, EPDM |
| DESIGN STANDARD | API 609, MSS SP-67 |
| FLANGE DRILLING | ASME B16.5 |
| TESTING STANDARD | API 598 |
| FACE-TO-FACE | API 609 |

FEATURES

- + Flange accommodates all types of actuators: handle, gear, electric, and pneumatic
- + Smooth finished disc flats mate with seat flats to give a highly efficient seal; prevents leakage into shat areas
- + Strong precision key gives positive attachment for handles or actuators
- + One-piece through shaft ensures dependability and positive disc positioning
- + Bonding of elastomer to phenolic backing ring protects against distortion, a common cause of leakage
- + Seat face negates need for flange gaskets
- + Precision profile disc provides bubble-tight shut-off and assures minimum torque and longer seat life
- + Phenolic backed seat is non-collapsible, stretch resistant, blow out proof, and easily replaced in the field

APPLICATIONS

- + Cement & Aggregates
- + Chemical & Petrochemical
- + Mining & Metals
- + Power Generation
- + Pulp & Paper

| | |
|---------------------|------------|
| SIZES | 2 to 54 IN |
| PRESSURES | to 100 PSI |
| TEMPERATURES | to 400°F |

FEATURES

- + 100% full port
- + Double seated, bidirectional shut-off design
- + Heavy duty elastomer sleeves
- + No seat cavity
- + Packingless design
- + Manual bevel gear
- + Air or hydraulic cylinder actuators
- + Electric motor operators



C-KGD Slurry Knife Gate Valves

Equivalent to Clarkson KGD

APPLICATIONS

- + Cement & Aggregates
- + Chemical & Petrochemical
- + Mining & Metals
- + Power Generation
- + Pulp & Paper

FEATURES

- + 100% full port
- + Double seated, bidirectional shut-off design
- + Exclusive, dynamic self-adjusting sleeve design
- + MSS face-to-face dimension
- + Manual bevel gear
- + Air or hydraulic cylinder actuators
- + Electric motor operators

| | |
|---------------------|------------|
| SIZES | 2 to 24 IN |
| PRESSURES | to 150 PSI |
| TEMPERATURES | to 300°F |



C-KGF Slurry Knife Gate Valves

Equivalent to Clarkson KGF

APPLICATIONS

- + Cement & Aggregates
- + Chemical & Petrochemical
- + Mining & Metals
- + Power Generation
- + Pulp & Paper

FEATURES

- + 300 psi CWP Design
- + 100% full port
- + Double seated, bidirectional shut-off design
- + Exclusive, dynamic self-adjusting sleeve design
- + Manual bevel gear
- + Air or hydraulic cylinder actuators
- + Electric motor operators

| | |
|---------------------|------------|
| SIZES | 3 to 36 IN |
| PRESSURES | to 300 PSI |
| TEMPERATURES | to 300°F |



C-KLB Linear Line Blind Valves

Equivalent to Clarkson KLB

APPLICATIONS

- + Cement & Aggregates
- + Chemical & Petrochemical
- + Mining & Metals
- + Power Generation
- + Pulp & Paper

FEATURES

- + Man-safe line blind
- + No downstream leakage even with sleeve failure
- + 100% full port
- + Double seated, bidirectional shut-off design
- + MSS face-to-face dimension
- + Positive splash containment
- + Manual bevel gear
- + Air or hydraulic cylinder actuators
- + Electric motor operators

| | |
|---------------------|------------|
| SIZES | 2 to 24 IN |
| PRESSURES | to 150 PSI |
| TEMPERATURES | to 300°F |



C-Valve Slurry Throttling Valves

Equivalent to Clarkson C-Valve

APPLICATIONS

- + Cement & Aggregates
- + Chemical & Petrochemical
- + Mining & Metals
- + Power Generation
- + Pulp & Paper

FEATURES

- + No metal parts in contact with the flowing slurry
- + Molded elastomer sleeve
- + Sleeve maintains perfect round and concentric aperture across the full throttling range
- + Throttling range from wide open to up to a 90% reduction of maximum flow
- + Automated or manual valve actuation
- + Valve sizing and applications assistance available

| | |
|---------------------|-------------------------------------|
| SIZES | 1 to 10 IN (larger sizes available) |
| PRESSURES | to 100 PSI |
| TEMPERATURES | to 400°F |

COMPRESSORS





Compressor Field Services

Industrial Service Solutions' nationwide network of field experts and fully equipped service vehicles, including 53-foot mobile tooling trailers, are available around-the-clock for your unplanned maintenance and emergency repairs. Our tenured, highly skilled, and often factory-trained technicians have the know-how and independent capabilities to troubleshoot, diagnose, and yield solutions for all compression equipment types, brands, and applications. At Industrial Service Solutions, our personnel are supported by a flex workforce of vetted talent for unmatched response and turnaround times.

- + *Emergency Support*
- + *Onsite Repairs & Overhauls*
- + *Maintenance & Inspections*
- + *Machining & Fabrication*
- + *Rigging & Installation*
- + *Systems Integration*
- + *Troubleshooting & Testing*
- + *Service Agreements*

Compressor Repair Shops

Our high-capacity shops are fully equipped to service and repair all compressor types and brands to your exact specifications, on time, and within budget. Whether it's a complete overhaul or a single part, our technicians have the technical expertise and tailored processes to deliver equipment better than new, with tighter tolerances and enhanced efficiency. For emergency repairs, our shops are available around-the-clock to machine and fabricate unavailable or obsolete parts.

- + *Repairs & Overhauls*
- + *Certified Remanufacturing*
- + *Machining & Fabrication*
- + *Part Engineering & Procurement*
- + *Retrofits & Upgrades*
- + *Dynamic Balancing*
- + *Troubleshooting & Testing*
- + *Rental Program*



Quality Parts & Equipment

Industrial Service Solutions is committed to providing optimal compressor performance through a wide range of OEM and high-quality aftermarket parts and lubricants. Our extensive inventory includes new, used, and certified refurbished parts from most major manufacturers. In addition to competitively priced spare parts, we provide consultative support for improved reliability, performance, and emissions.

- + *Centrifugal Parts*
- + *Reciprocating Parts*
- + *Rotary Screw Parts*
- + *Components*
- + *Consumables*





Centrifugal Compressors

SERVICES

- + Nationwide field service with fully equipped mobile tooling trailers for onsite compressor repairs and complete overhauls.
- + **Complete Overhaul Capability** with turret lathes, horizontal and vertical mills, cylindrical and surfacing grinding, and dynamic balancing
- + **Air End Assembly Repairs** include disassembly, cleaning, inspection, blending of erosion damage, replacement of impellers, pinions, diffusers, bearings, seals, O-rings, gaskets, and fasteners as required, reassembly, balancing, and painting.
- + **Rotor Assembly Repairs** include disassembly, cleaning, inspection, blending of erosion damage, replacing impeller/pinions, reassembly, and balancing.
- + **Bull gear Repairs** include inspection, grind-plate-grind, blending of damaged teeth, and balancing.
- + **Gearbox Repairs** include...
- + **Inlet Repairs** include disassembly, cleaning, inspection, machining, painting, and reassembly of eroded/corroded parts.
- + **Bearing Repairs** include fixed profile pinion and bull gear bearings, remove and replace babbitt, and recondition bearing to new specifications.
- + **Cooler Repairs** include cleaning, hydro testing, tube expanding, tube bundles or re-tube, and tube plugging.
- + **Ingersoll Rand Centac Intercooler Capabilities** include testing and cleaning fixtures for all frames, re-tubing, barrel repairs, blasting and painting, and sleeve sealing surfaces with stainless steel surfaces.
- + **Complete Rental Fleet**



Reciprocating Compressors

SERVICES

- + Nationwide field service with fully equipped mobile tooling trailers for onsite compressor repairs and complete overhauls.
- + **Complete Overhaul Capability** turret lathes, horizontal and vertical mills, cylindrical and surfacing grinding, and dynamic balancing
- + **Air End Assembly Repairs** include disassembly, cleaning, inspection, blending of erosion damage, replacement of impellers, pinions, diffusers, bearings, seals, O-rings, gaskets, and fasteners as required, reassembly, balancing, and painting.
- + **Cylinder Repairs** include boring, honing, cold metal stitching up to 50" diameter. Pattern casting capability when manufacturing new cast iron cylinders.
- + **Piston/Rod Repairs** include machining all tolerances, re-establishing diametrical running clearances by metallizing OD with babbitt/bronze, and Teflon conversions.
- + **Bearing Repairs** include fixed profile pinion and bull gear bearings, remove and replace babbitt, and recondition bearing to new specifications.
- + **Cooler Repairs** include cleaning, hydro testing, tube expanding, tube bundles or re-tube, and tube plugging.
- + **Motor Repairs**
- + **Control Designs & Retrofits**
- + **Oil Pump Repairs**
- + **Laser Alignment**
- + **Complete Rental Fleet**



Rotary Screw Compressors

Compressor Replacement Parts

SERVICES

- + Nationwide field service with fully equipped mobile tooling trailers for onsite compressor repairs and complete overhauls.
- + **Complete Overhaul Capability** turret lathes, horizontal and vertical mills, cylindrical and surfacing grinding, and dynamic balancing
- + **Air End Assembly Repairs** include disassembly, cleaning, inspection, blending of erosion damage, replacement of impellers, pinions, diffusers, bearings, seals, O-rings, gaskets, and fasteners as required, reassembly, balancing, and painting.
- + **Bearing Repairs** include fixed profile pinion and bull gear bearings, remove and replace babbitt, and recondition bearing to new specifications.
- + **Cooler Repairs** include cleaning, hydro testing, tube expanding, tube bundles or re-tube, and tube plugging.
- + **Motor Repairs**
- + **Control Designs & Retrofits**
- + **Oil Pump Repairs**
- + **Laser Alignment**
- + **Complete Rental Fleet**

COMPONENTS

- + Coolers
- + Dryers
- + Blowers
- + Motors
- + Pumps
- + Controls
- + Impellers
- + Cylinders
- + Pistons & Rods
- + Hoses

CONSUMABLES

- + Lubricants
- + Filters
- + Separators
- + Valves
- + Gaskets
- + O-Rings
- + Bearings & Seals
- + Maintenance Kits



Coolers



Shell & Tube Heat Exchangers



Aftercoolers



Oil Coolers



Combination Air/Oil Coolers



Belt Guard Aftercoolers



Skid Packaged Coolers



Liquid Coolers

SERVICES

- + Nationwide field service with fully equipped mobile tooling trailers for onsite heat exchanger repairs and complete overhauls.
- + **Shell and Water Head Repairs** include blasting, machining sealing surfaces, pass partition repair, and epoxy coating.
- + **Tube Repairs** include cleaning, hydro testing, tube expanding, tube bundles or re-tube, and tube plugging.
- + **Manufacturing** new tube bundles and complete tube and shell coolers



Air/Gas Dryers



Filtration



Desiccant Dryers



Refrigerated Dryers



Membrane Dryers



Deliquescent Dryers



Breathing Air Dryers



Point of Use Dryers



Filter Elements



Filter Assemblies



Mist Eliminators



Air/Oil Separators



Oil/Water Separators



Centrifugal Separators



Lubricants & Chemicals

WE SUPPLY

- + Compressor Oils
- + Refrigeration Oils
- + Food Grade Lubricants
- + Gear & Bearing Oils
- + Hydraulic Oils
- + Pump & Blower Oils
- + Heat Transfer Fluids
- + Cleaners/Flush
- + Descalers & Degreasers



PNEUMATICS





Pneumatic Design & Engineering

Industrial Service Solutions has an extensive background in the design of both high-pressure or positive displacement conveying systems, low-pressure conveying systems, dust collection systems, and environmental fume control systems and equipment. We have been one of the leading pneumatic suppliers for over 35 years and have designed, fabricated, and installed hundreds of pneumatic systems throughout the United States.



Environmental Systems

Industrial Service Solutions has designed, fabricated, and installed hundreds of environmental fume control systems to the unique needs of our customers. From dust collectors to regenerative thermal oxidizers, our systems are built to protect the environment by removing harmful air pollutants and odors released during the manufacturing process.

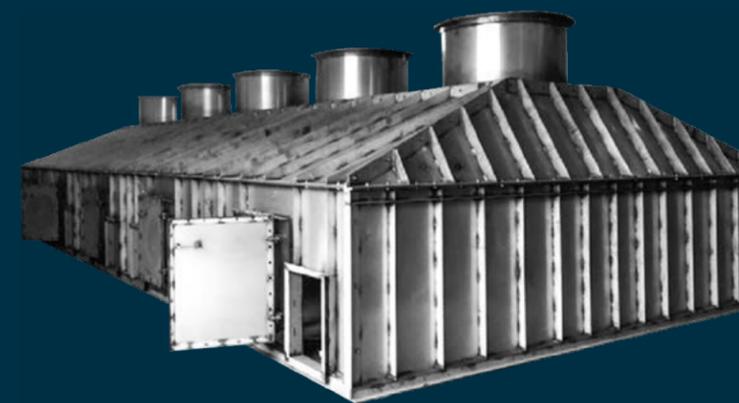
- + *Dust Collectors, Baghouses, & Big Vents*
- + *Wet, Dry, & Electrostatic Scrubbers*
- + *Cyclone Separators*
- + *Regenerative Thermal Oxidizers (RTO)*



Industrial Ductwork

Whether you are looking for a replacement piece to an existing ductwork or a complete duct system, our skilled craftsmen fabricate high quality ductwork and custom build equipment to your exact specifications and requirements. Ductwork can be painted or galvanized to withstand corrosive and high temperature environments.

- + *Dust Collection*
- + *WESP Ductwork*
- + *Exhaust Stacks & Hoods*
- + *Duct Dampers & Actuators*
- + *Stainless Steel Ductwork*
- + *Expansion Joints*



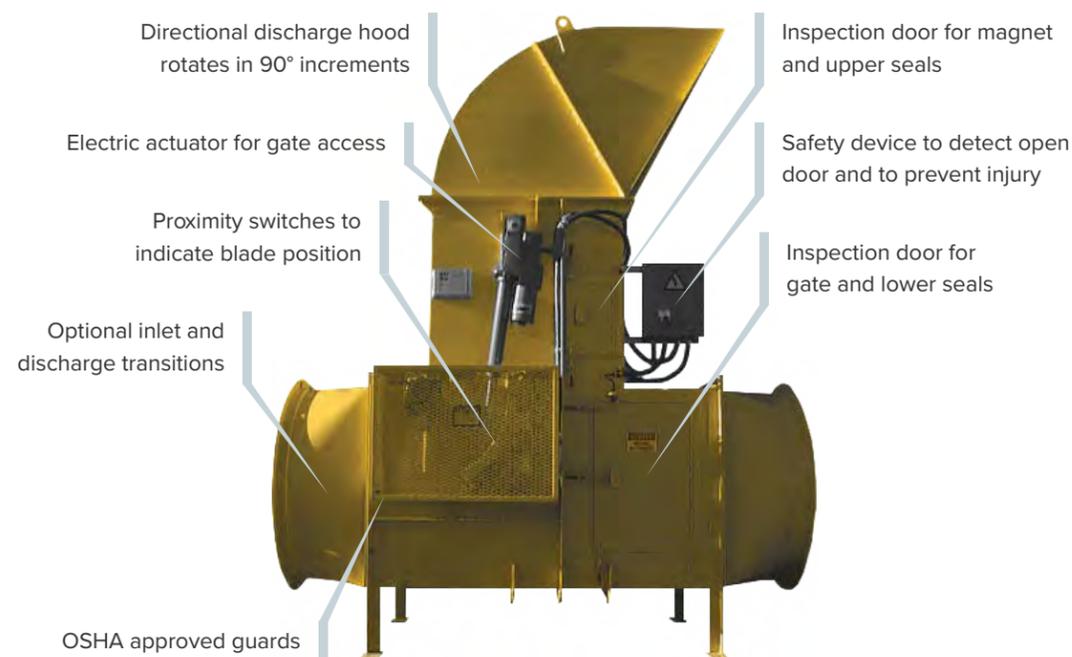


Sparkguard High Speed Abort Gate

FEATURES

- + Protect your pneumatic equipment and provide a safer environment.
- + Activated by spark detection equipment. Diverts hazardous sparks and fire.
- + Control panel with manual test and auto-reset buttons.
- + Standard sizes available to meet most pneumatic applications.

| MODEL | FLOW RANGE (CFM) | WEIGHT |
|-------|------------------|----------|
| AG105 | 2,080 - 4,510 | 700 lbs |
| AG145 | 4,080 - 8,850 | 900 lbs |
| AG185 | 6,750 - 12,380 | 1200 lbs |
| AG245 | 12,000 - 22,000 | 1500 lbs |
| AG325 | 21,330 - 39,110 | 1900 lbs |
| AG405 | 33,330 - 61,110 | 2800 lbs |
| AG485 | 48,000 - 88,000 | 3300 lbs |



Backdraft Dampers

FEATURES

- + Replaceable aluminum explosion vent
- + Optional discharge transition
- + Rolled body reduces air turbulence and material build-up
- + Adjustable counterweight arm
- + Heavy gauge steel construction
- + Standard angle ring inlet connection

Typical installation is to locate the damper upstream of low-pressure pneumatic collectors (cyclone or filters). Our dampers are designed to automatically relieve back pressure under upset conditions. Backdraft dampers protect equipment and provide a safer environment. Our dampers also divert explosive pressure increased from plant facility. Standard size available up to 48-inch diameter.



SAWMILLS





Crosby Sawmill Machines

Complete systems designed around your facility

Since 1933, Crosby Machines has been designing and manufacturing sturdy, dependable, and affordable sawmill equipment for the lumber industry utilizing today's technology with yesterday's experience. Our products are built in-house to ensure you receive high quality machines that perform. We keep a complete line of replacement parts in stock for each machine sold, ready to be shipped when you need them. With over 7,000 machines sold in over 27 states, makes us one of the largest providers of sawmill equipment in the world.



Edgers

Widths from 32" to 72"

FEATURES

- + Top mounted arbor motor
- + Electric drive
- + Crosby special laser light bracket with roller chain connection
- + Ball bearing saw collars
- + Air popup straight edge
- + Hard chrome feed rolls
- + Electric over air networks for precision sets
- + Electric over hydraulic networks for precision sets and jog for grade hardwoods
- + Linear positioners, hydraulic motors, and computer controls also available
- + Top arbor or bottom arbor





Gang Edgers

Widths from 30" to 72"



FEATURES

- + Thin top kerf arbor
- + Available with "Hands Off" remote controlled infeed tables
- + Heavy construction
- + Hard chromed feed rolls
- + Hardened spline sleeves or splined arbors
- + Positive custom designed feeds for smooth flow
- + Large puck babbitt guides
- + Miser Air/Oil/Water mist system
- + Guide milling machine
- + Babbitt mold
- + Many other options



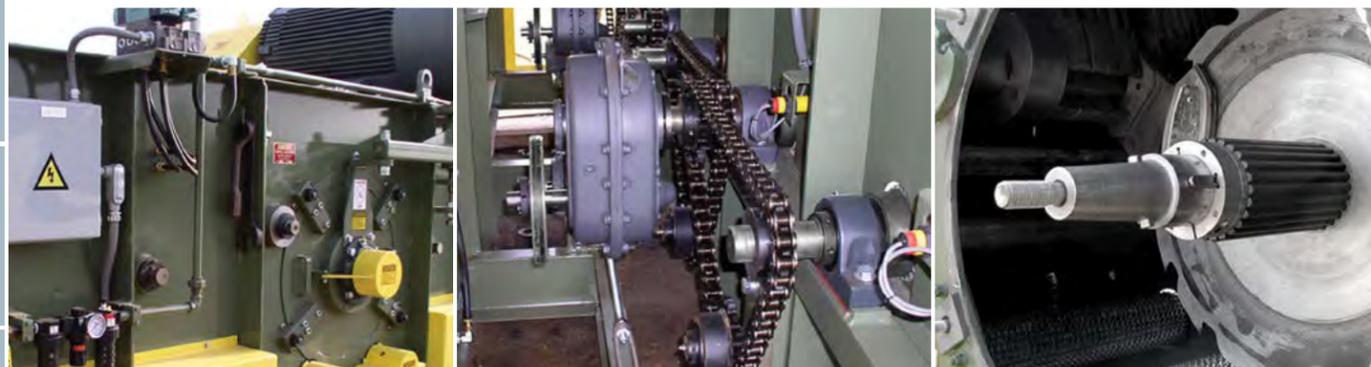
Optimized/Duty Edgers

Widths from 36" to 48" / 2 to 4 Saw



FEATURES

- + Top or bottom arbor
- + Compatible with most Transverse Optimizer Infeeders
- + Precision machined arbor
- + Low clearance ball bearing saw collars
- + Precision shifting arms
- + Linear bearing saw guide shaft
- + Linear positioner cylinders
- + Auto arbor lube





Two Saw Trimmers

Trims 1" to 4" lumber



FEATURES

- + Lumber and cross-tie trimmers to trim up to 7.5" thick
- + Timber trimmers to trim up to 12" thick
- + Trimmers can start at 4', 6' and 8', trim to 16", 20", and 24" long
- + Saws move by electric over hydraulic sets. Trimmers can set in 1' or 2' increments with an 8' 6" length options
- + Trimmers offered with one saw stationary and one saw moving.
- + Trimmers can have both saws moving from their common center
- + Trimmers built with arbor motors and feed motors installed along with hydraulic power pack with motor
- + Option: Turnkey electrical includes starters, disconnect, fuses, and transformers for operator console
- + Option: Waste conveyors installed inside trimmer frames



Replacement Parts

For machines going back to the mid 1940s



Outfeed Belts



Outfeed Tables



Infeed Tables



Fabricated Saw Collars



Saw Guides



Feed Rolls



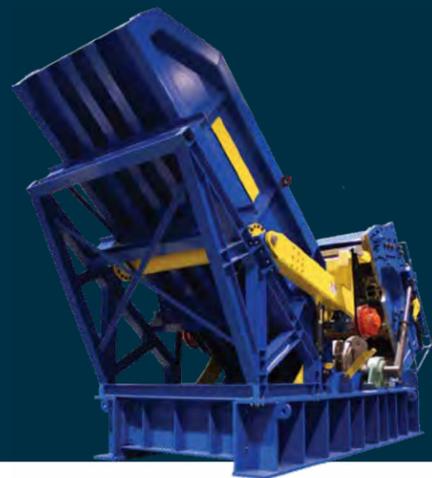
Hold Down Rolls



Arbors

METAL RECYCLING





Stationary Shredders

Process 40 to 300 tons/hr

INPUT MATERIAL

- + Aluminum Cans
- + Loose & Mixed Aluminum Scrap
- + Aluminum Profiles
- + Aluminum Pipes
- + Aluminum Sumps
- + Aluminum Scrap Bales
- + Aluminum Engine Blocks
- + Metal Cans & Light Scrap
- + Slightly Pressed, Sheared, & Entire Metal Scrap Bales
- + Car Parts
- + Sheared, Flattened, & Entire Cars
- + Small, Medium, & Large White Goods/Appliances
- + CDW & Concrete

| MODEL | HP | WIDTH | ROTOR | CAPACITY |
|--------|---------------|-------|-------|-------------------|
| 7090 | 1,000 - 4,000 | 90" | 70" | 40 - 100 tons/hr |
| 80108 | 2,000 - 5,000 | 108" | 80" | 60 - 120 tons/hr |
| 98104 | 4,000 - 6,000 | 104" | 98" | 120 - 200 tons/hr |
| 120118 | 6,000 - 9,000 | 118" | 120" | 200 - 300 tons/hr |

FEATURES

- + Can be driven by AC or DC motors
- + Averages 40 tons/hr at 1,000 HP and up to 300 tons/hr at 9,000 HP
- + Heavy duty feed chute is constructed of heavy beams and torque tube to prevent flexing
- + Feed roll cover prevents material from flipping onto the shredder housing, which prevents downtime and maintains a safe, clean environment
- + Hagglunds feed roll drive is the standard for longevity and ease of maintenance
- + Built with 4" side walls and completely lined
- + Same thickness of grates and liners of larger shredders
- + Proven spyder style rotor and disc rotors with heavy duty lubricated bearings and housing



Mobile Hammer Mills

Process 11 to 40 tons/hr



INPUT MATERIAL

- + Aluminum Cans
- + Loose & Mixed Aluminum Scrap
- + Aluminum Profiles
- + Aluminum Pipes
- + Aluminum Sumps
- + Aluminum Scrap Bales
- + Aluminum Engine Blocks
- + Metal Cans & Light Scrap
- + Slightly Pressed, Sheared, & Entire Metal Scrap Bales
- + Car Parts
- + Sheared, Flattened, & Entire Cars
- + Small, Medium, & Large White Goods/Appliances
- + CDW & Concrete

| MODEL | bHP | SHREDDER | | | FEED | DISCHARGE | CAPACITY |
|--------|-------|----------|-------|---------|------------|------------|-----------------|
| | | WIDTH | ROTOR | HAMMER | | | |
| 1521K | 760 | 60" | 82" | 230 lbs | 60" x 186" | 40" x 216" | 11 - 16 tons/hr |
| 1721K | 220 | 67" | 82" | 230 lbs | 67" x 276" | 47" x 216" | 16 - 27 tons/hr |
| 2121KC | 1,200 | 82" | 82" | 225 lbs | 83" x 216" | 63" x 216" | 16 - 33 tons/hr |
| 2121K | 220 | 83" | 82" | 230 lbs | 83" x 276" | 63" x 216" | 22 - 38 tons/hr |
| 8080K | 220 | 83" | 80" | 230 lbs | 83" x 276" | 63" x 216" | 25 - 40 tons/hr |

FEATURES

- + Final product density upgrade and volume reduction
- + Wide range of materials to process
- + Designed to minimize wear and maintenance costs
- + Optimized footprint and mounted on track system for high mobility
- + Reduced assembly time for low assembly cost
- + Top quality components and vendor list provides high residual value
- + Process monitoring and optimization service





TAURUS

Shear Balers

Kappa, Mille, Rapid, & Giant Series

INPUT MATERIAL

- + Scrap Bale
- + ELV Cars
- + Collection & Heavy Scrap
- + Demolition Sheared

| MODEL | HP | SHEAR FORCE | BOX LENGTH | CYL. PER WING | COMP. MAX FORCE | MAIN CYL. FORCE | BALE SIZE |
|--------|-----|-------------|------------|---------------|-----------------|-----------------|-----------|
| K662 | 250 | 600 tons | 240" | 2 | 300 tons | 150 tons | 34" x 23" |
| K772 | 250 | 700 tons | 283" | 2 | 300 tons | 150 tons | 34" x 23" |
| K872 | 350 | 800 tons | 283" | 2 | 350 tons | 150 tons | 34" x 23" |
| K973 | 350 | 900 tons | 283" | 3 | 450 tons | 150 tons | 34" x 23" |
| ACH107 | 350 | 1,000 tons | 283" | 3 | 450 tons | 150 tons | 34" x 23" |
| ACH117 | 350 | 1,100 tons | 283" | 3 | 450 tons | 150 tons | 34" x 23" |
| RH117 | 450 | 1,100 tons | 283" | 3 | 450 tons | 150 tons | 39" x 27" |
| RH137 | 450 | 1,300 tons | 283" | 3 | 450 tons | 150 tons | 39" x 27" |
| RS117 | 450 | 1,100 tons | 283" | 3 | 450 tons | 150 tons | 39" x 27" |
| RS137 | 450 | 1,300 tons | 283" | 3 | 450 tons | 150 tons | 39" x 27" |
| ASG148 | - | 1,400 tons | 326" | 3 | 600 tons | 180 tons | 43" x 31" |
| ASG158 | - | 1,500 tons | 326" | 3 | 600 tons | 180 tons | 43" x 31" |

FEATURES

- + Robust machines suitable for high density compacting and shearing of large quantities of mixed and bulky scrap from collection or demolition
- + Can be loaded from both sides and managed by a single operator
- + Hydraulic power system combines low consumption with high performance to allow higher cutting speeds
- + Box floor and lids are made of high-strength and wear resistant steel
- + Equipped with patented oscillating wing compression system with over stroke on both lids to facilitate scrap compression and reduce frictional wear
- + Single monolithic body makes it easy to install and reposition
- + Mounted on a welded steel support structure equipped with original VDP self-leveling and anti-vibration plate system



TAURUS

Baler Loggers

Biblo & Mizar Series

INPUT MATERIAL

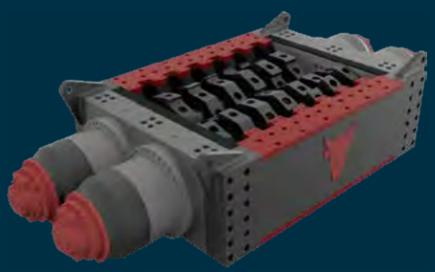
- + Light Scrap
- + Aluminum Bars, Plates & Sheets
- + ELV Cars
- + White Household appliances
- + Rod, Sheet, & Collected Scrap

| MODEL | HP | BOX LENGTH | CYL. PER WING | COMP. MAX FORCE | MAIN CYL. FORCE | BALE SIZE |
|-------|-----|------------|---------------|-----------------|-----------------|-----------|
| BB44 | 75 | 106" | 1 | 100 tons | 160 tons | 15" x 15" |
| BB55 | 75 | 157" | 2 | 165 tons | 160 tons | 19" x 19" |
| BB66 | 75 | 196" | 2 | 200 tons | 160 tons | 23" x 23" |
| M52B | 145 | 196" | 2 | 160 tons | - | 34" x 23" |
| M52D | 145 | 196" | 2 | 160 tons | - | 34" x 23" |
| M62B | 145 | 240" | 2 | 160 tons | - | 34" x 23" |
| M62D | 145 | 240" | 2 | 160 tons | - | 34" x 23" |

FEATURES

- + Single ridged squeeze box constructed of Hardox wear resistant steel
- + Single oscillating lid is hinged at the center and provides two stage compression, which reduces pre-compression cycle time and generates an offset square bale
- + The offset bale reduces wear and tear on the squeeze box and minimizes vibrations during compression cycle
- + Hydraulic aggregate and electrical components are located safely in the rear
- + Fixed on single supporting framework eliminates need for expensive foundations
- + Quick and easy to transport and can be equipped with a roll on/off lifting hook





TAURUS

Rotary Shears

Delta Series

INPUT MATERIAL

- + Industrial & General Waste
- + Metal Containers
- + Light, Collection, & Heavy Scrap
- + ELV Cars
- + Pantographed Sheets
- + Household appliances
- + Packaging, Pallets, & Crates
- + Electric Cabinets
- + Telephones & Coin Acceptors
- + Archives, Tires, & Copper Cables

| MODEL | FEEDING CHAMBER | BLADES THICKNESS | WEIGHT | OUTPUT |
|-------|-----------------|------------------|---------|------------|
| D82 | 86" x 63" | 7-7/8" | 50 tons | 20 tons/hr |
| D94 | 86" x 67" | 7-7/8" | 60 tons | 30 tons/hr |
| D15 | 86" x 78" | 7-7/8" | 75 tons | 50 tons/hr |
| D16 | 86" x 78" | 7-7/8" | 80 tons | 60 tons/hr |

FEATURES

- + Low speed and high torque counter rotating blades
- + Includes steelwork platform, loading hopper, and 20" container



TRANSIT & RAILROAD



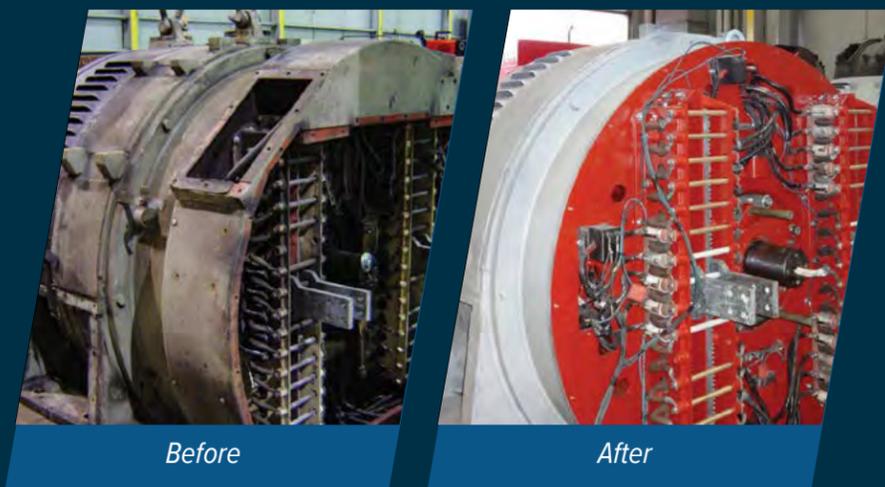


Repairs & Overhauls



Our high-capacity ISO 9001:2015 certified shops are fully equipped to service and repair locomotive, transit and light rail, hybrid bus, and other rotating equipment applications to your exact specifications on time and within budget. Whether it's a complete overhaul or a single part, our technicians have the technical expertise and tailored processes to deliver equipment better than new, with tighter tolerances and enhanced efficiency. For emergency repairs, our shops are available around-the-clock to machine and fabricate unavailable or obsolete parts.

- + AC & DC Traction Motors
- + Hybrid Bus Motor Stators
- + Main & Auxillary Generators
- + Alternators
- + Air Compressors
- + Gearboxes
- + Pumps
- + Smoothing Reactors
- + Control Panels
- + Engine Blowers
- + Cooling Fans
- + Refrigerators
- + Step Heaters
- + Track Brakes



Before

After

Rewinding Services

Industrial Service Solutions' qualified and certified technicians are experienced in rewinding, reinsulating, and repairing equipment for railroad and transit applications. Our vacuum pressure impregnation (VPI) process tanks are capable of handling up to 96-inch diameter equipment and multiple resins. We provide customized in-house rewinding designs to mitigate electrical, thermal, mechanical, and environments stress of the following equipment.

- + AC Stators
- + AC Rotors
- + DC Armatures
- + DC Coils
- + Smoothing Reactors
- + Hermetic Motors
- + Bus Drive Unit Motors
- + Generators
- + Alternators
- + Transformers
- + Shunts

HVAC Repairs & Testing

Our EPA certified technicians specialize in the repair, overhaul, testing, maintenance, reclamation, manufacturing, and inspection of HVAC and refrigeration units for the railroad and transit industry. We are the leading provider of field refrigerant retrofits and utilize climate control rooms to verify performance meets or exceeds specifications. With our state-of-the-art testing laboratory, we have the capability to perform qualification, functional, and conditioned tests on any HVAC system.



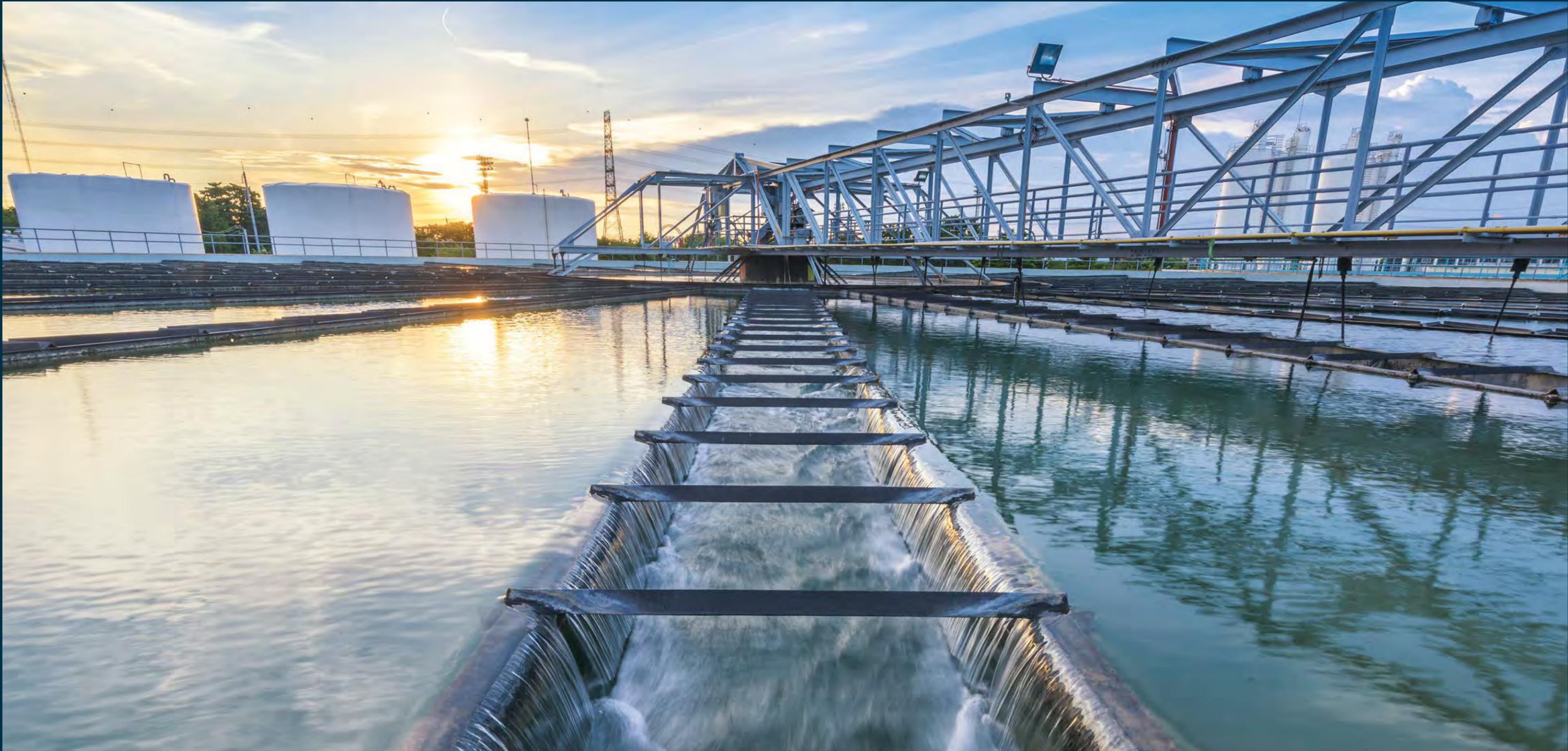
HVAC Climate Room
<130°F / 85% Humid.



Qualification & Pressure Testing

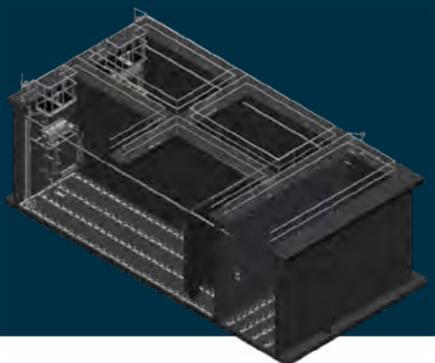
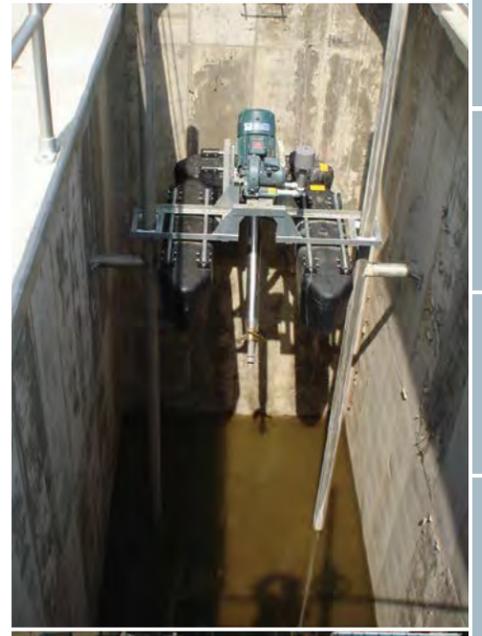


WATER & WASTEWATER



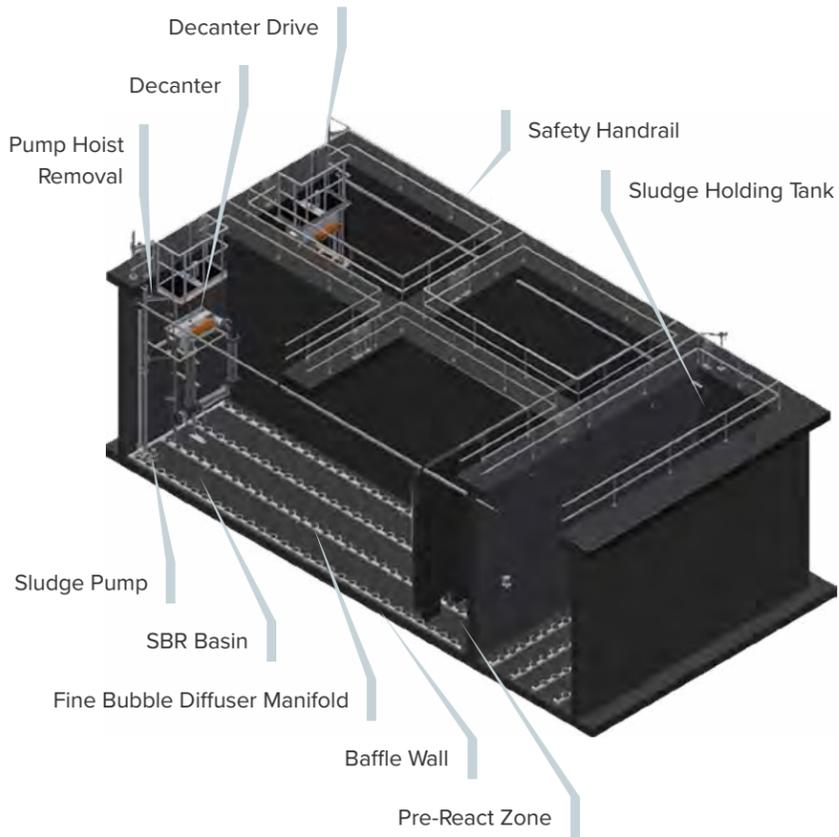


The Sequence Batch Reactor (SBR) is an aeration process for the complete treatment of municipal, industrial, and agricultural wastewaters. The process takes place in a single tank and is capable of removing BOD, ammonia, suspended solids, and nutrients. Sewage is treated in a series of four distinct sequences. An initial fill cycle allows raw sewage to enter the tank. An aeration cycle then begins converting nonvolatile sludge and oxidized ammonia to nitrate. After the aeration cycle is complete, a precipitation phase allows the sludge to settle under quiescent conditions. Treated effluent is then decanted from the tank during a decant phase, after which, the cycle is repeated. A SBR will typically consist of two or more tanks, allowing one tank to discharge treated effluent while another tank is available to accept sewage flow. The process contains minimal basin equipment ensuring affordable capital cost. The simple design and ease of operation ensures reduced maintenance and operation expenses.



Sequence Batch Reactors (SBR)

Clean water made easy

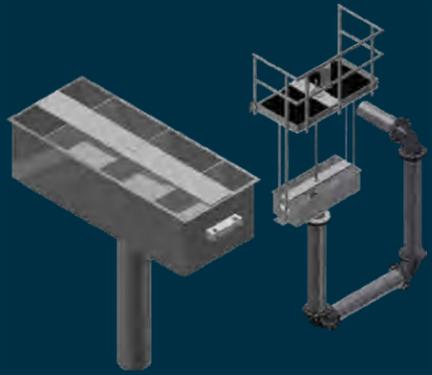


APPLICATIONS

- + Municipal / Sanitary
- + Industrial Wastewater
- + Food Processing Wastewater

FEATURES

- + One tank for all cycles/steps: Fill, React, Settle, Decant, and Idle
- + Complete effluent treatment, including nutrient removal
- + Tolerates variable hydraulic and organic loading
- + Offered in both continuous and batch operating modes
- + Precisely controlled positively driven jack screw decanter
- + Stainless steel decanter with float activated scum prevention door
- + PLC (Programmable Logic Controller)



SBR Decanters

Vertically driven & highly reliable

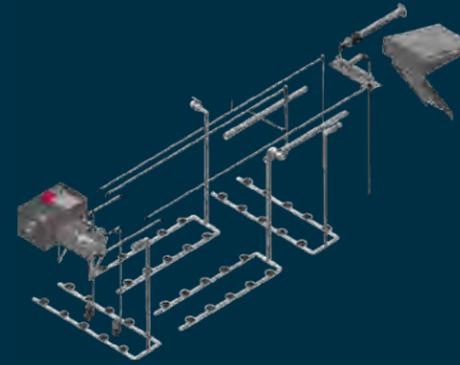
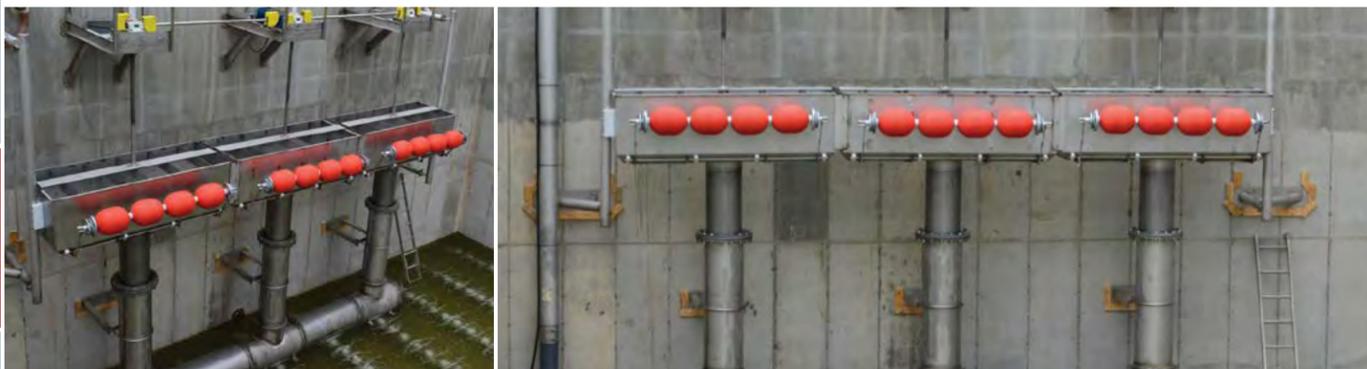
FEATURES

- + Visible decanter weir from basin walkway allows operator to maintain effluent quality visual
- + Decants from top and moves downward preventing disruption of solids and withdraws only clear water
- + All maintenance performed from safety platform

APPLICATIONS

- + Municipal / Sanitary
- + Industrial Wastewater
- + Food Processing Wastewater

The heart of every Sequence Batch Reactor (SBR) system is the decanter. The decanter is responsible for removing clarified effluent from the basin during the decant phase of the sequence cycle. The decanter is installed on the basin wall supported by a stainless steel fabrication, grating and railing provides a stable platform for maintenance and plant operators. The decanter is lowered and raised using an electro-mechanical jack screw actuator. The actuator moves the decanter between two set point elevations from the “park” position to the bottom water level (BWL). The decanter parks above top water level during the aeration and settling phases of the cycle, thereby eliminating any possibility of solids carryover during these periods. The decanter operation and speed is controlled through use of a variable frequency drive (VFD). As a result, the decanter discharge rate is constant from the time the decanter enters the water to the time it reaches the BWL. Effluent volume per linear foot of weir is controlled and constant versus gravity style decant systems. At “park” position, the decanter provides fail-safe overflow protection in the event of a power failure. Settled supernatant flow raise the scum gate floats allowing water to flow under the scum baffle and over the decanter weir free of floatable scum under power failure or storm mode.



Extended Aeration

Engineered to optimize performance

FEATURES

- + Simple low cost design
- + Minimal sludge production
- + Constructed from concrete and epoxy
- + Coated carbon steel for long lasting corrosion-free service
- + Air-operated lift pumps
- + Flexible process that can treat a wide range of wastewater
- + Can be designed with de-nitrification

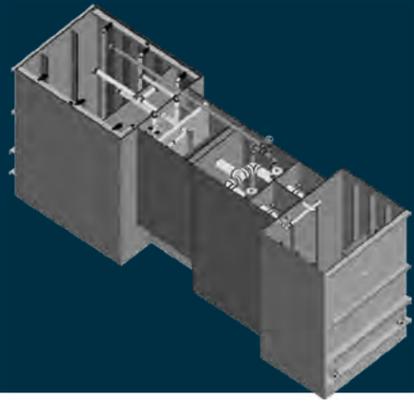
APPLICATIONS

- + Municipal / Sanitary
- + Industrial Wastewater
- + Food Processing Wastewater

The extended aeration wastewater treatment plant is based on a time-proven, conservative process design, and engineered to optimize performance. Extended Aeration wastewater treatment plants are one of the simplest, economical and most versatile methods available to treat sanitary, industrial or agricultural wastewater. Treatment plants meet or exceed effluent parameters for most wastewater applications and are economical to install and operate.

Extended Aeration treatment plants provide the proper environment, sufficient oxygen, and other elements which allow the bacteria to consume the organic matter to live and multiply within the treatment plant. In this way the aerobic bacteria and microbes decompose the sewage and waste to a stable form free of odor and costly maintenance. Each plant consists of two major compartments, the main aeration chamber and a clarifier or settling tank. After initial screening, the wastewater enters the main aeration tank, which has a retention time of approximately 24 hours. Here, natural bacteria feed on the organic fraction of the sewage and reduce Biochemical Oxygen Demand (BOD) concentrations. The partially treated sewage then flows to the final settling tank for clarification prior to discharge. The effluent may be filtered and disinfected, depending on discharge permit requirements.





Denitrification & Tertiary Filtration Systems

Time proven: tried & tested

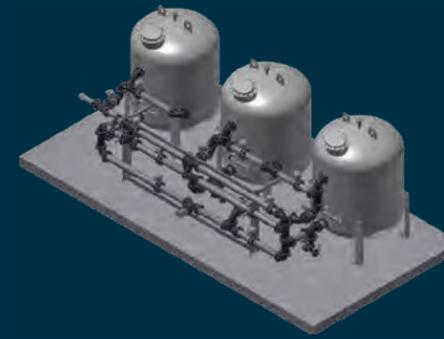
FEATURES

- + Enhanced carbon feed source control and monitoring
- + Wide selection of level controls
- + Highest quality grade of media
- + Backwash and air scouring systems & control optimization
- + Simple operator controls and optional system integration into existing plant control panel
- + Operator training and field service support

APPLICATIONS

- + Municipal / Sanitary
- + Industrial Wastewater
- + Food Processing Wastewater

Our denitrification and tertiary filtration systems provide a time proven process for the reduction of nutrients as well as suspended solids from the effluent of wastewater treatment plants. The process accepts secondary effluent by gravity or lift station to a distribution box with automatic control valves. The distribution box and control valves direct water to each filter cell in proper sequence. The anoxic biological process and conversion of nitrate-n to elemental nitrogen gas takes place on a fixed film of bacteria residing on and within a coarse mono media. The down flow design of the “De-nite” filter effectively reduces suspended solids and phosphorus by addition of alum and mechanical filtration through the bed. The anoxic bacteria require a carbon source as supplement which may include methanol, acetic acid and other proprietary chemistry.



Iron & Manganese Filters

Higher capacity & higher volume

FEATURES

- + Tanks constructed from FRP and carbon steel per ASME Section VIII
- + Stainless steel distribution and collection manifolds
- + Stainless steel air scour piping
- + Pneumatic or electric valves
- + Carbon steel face piping, cement lined rubber, HDPE or stainless steel as option
- + NEMA 4 painted carbon or stainless steel control panel with PLC and HMI touchscreen

APPLICATIONS

- + Municipal / Sanitary
- + Industrial Wastewater
- + Food Processing Wastewater

Iron and manganese filters are engineered and designed to meet our customer's specific requirements. The process utilizes Greensand Plus[®], which is superior to conventional glauconite manganese greensand and synthetic catalyst. Greensand Plus[®] eliminates the need for potassium permanganate regeneration and may be regenerated with chlorine, hypochlorite or any strong oxidant. It has significantly higher capacity, which results in higher volume throughput, reduced backwash cycles, and volume of waste to drain. Systems come complete with all face piping, blowers, automatic valves, and controls for proper operation.



DIMENSIONS & MOUNTING



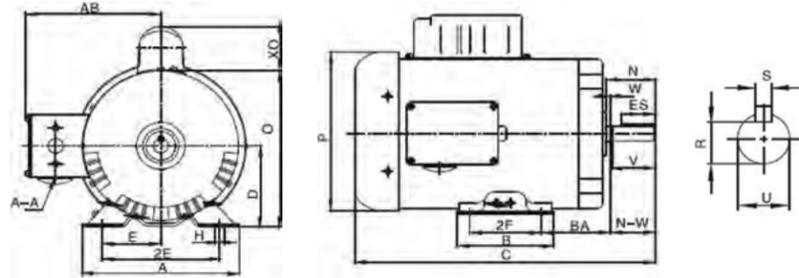
Single-Phase TEFC Rolled Steel Motors

Foot Mount / 48 to 215T Frame

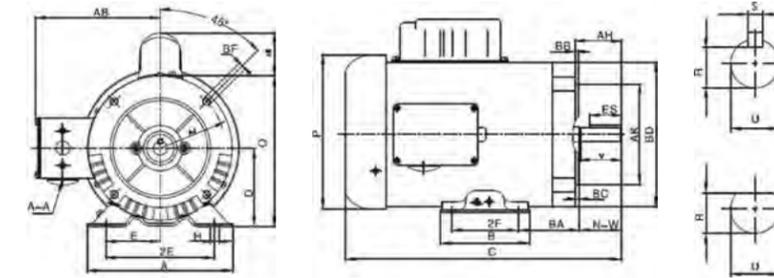
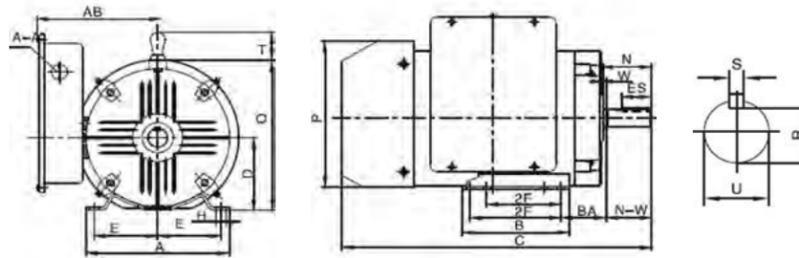
Single-Phase TEFC Rolled Steel Motors

C-Face / 48C to 215TC Frame

48-145T



184T-215T



| FRAME | MAX A | MAX B | C | D | E | 2F | H | N | N-W | O | P | R | S | U | MIN V | MIN AA | AB | BA | MIN ES |
|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|-----|------|--------|
| 48 | 6 | 3.8 | 10 | 3 | 212 | 2.75 | 0.34 | 1.62 | 1.5 | 5.83 | 5.66 | 0.453 | - | 0.5 | 1125 | 1/2 | 5.3 | 2.5 | - |
| 56 | 6.5 | 4.2 | 12.7 | 3.5 | 2.44 | 3 | 0.34 | 2.4 | 1.88 | 6.7 | 7.08 | 0.517 | 0.188 | 0.625 | 1.5 | 1/2 | 5.6 | 2.75 | 1.41 |
| 143T | 7 | 6.18 | 14.6 | 3.5 | 2.75 | 4 | 0.34 | 2.46 | 2.25 | 6.7 | 7.08 | 0.771 | 0.188 | 0.875 | 2 | 3/4 | 5.6 | 2.25 | 1.41 |
| 145T | | | | | | 5 | | | | | | | | | | | | | |
| 182T | 8.5 | 6.5 | 18.8 | 4.5 | 3.75 | 4.5 | 0.41 | 2.98 | 2.75 | 9.25 | 9.25 | 0.986 | 0.25 | 1125 | 2.5 | 3/4 | 7.2 | 2.75 | 1.78 |
| 184T | | | | | | 5.5 | | | | | | | | | | | | | |
| 213T | 9.5 | 8 | 20.5 | 5.25 | 4.25 | 5.5 | 0.41 | 3.66 | 3.38 | 9.84 | 10 | 1.201 | 0.312 | 1.375 | 312 | 1 | 7.5 | 3.5 | 2.41 |
| 215T | | | | | | 7 | | | | | | | | | | | | | |

| FRAME | A | MAX B | C | D | E | 2F | N-W | O | P | R | S | U | MIN AA | AB | AH | AJ | AK | BA | MAX BB | BC | MAX BD | BF | MIN ES |
|-------|-----|-------|------|------|------|------|------|------|------|-------|-------|-------|--------|-----|------|-------|-----|------|--------|-------|--------|--------|--------|
| 48C | 6 | 3.8 | 10 | 3 | 212 | 2.75 | 1.5 | 5.83 | 5.66 | 0.453 | - | 0.5 | 1/2 | 5.3 | 1.69 | 3.75 | 3 | 2.5 | 0.16 | -0.19 | 5.625 | 1/4-20 | - |
| 56C | 6.5 | 4.2 | 12.7 | 3.5 | 2.44 | 3 | 1.88 | 6.7 | 7.08 | 0.517 | 0.188 | 0.625 | 1/2 | 5.6 | 2.06 | 5.875 | 4.5 | 2.75 | 0.16 | -0.19 | 6.5 | 3/8-16 | 1.41 |
| 143TC | 7 | 6.18 | 14.6 | 3.5 | 2.75 | 4 | 2.25 | 6.7 | 7.08 | 0.771 | 0.188 | 0.875 | 3/4 | 5.6 | 2.12 | 5.875 | 4.5 | 2.75 | 0.16 | 0.12 | 6.5 | 1/2-13 | 1.41 |
| 145TC | | | | | | 5 | | | | | | | | | | | | | | | | | |
| 182TC | 8.5 | 6.5 | 18.8 | 4.5 | 3.75 | 4.5 | 2.75 | 9.25 | 9.25 | 0.986 | 0.25 | 1125 | 3/4 | 7.2 | 2.62 | 7.25 | 8.5 | 3.5 | 0.25 | 0.12 | 9 | 1/2-13 | 1.78 |
| 184TC | | | | | | 5.5 | | | | | | | | | | | | | | | | | |
| 213TC | 9.5 | 8 | 20.5 | 5.25 | 4.25 | 5.5 | 3.38 | 9.84 | 10 | 1.201 | 0.312 | 1.375 | 1 | 7.5 | 3.12 | 7.25 | 8.5 | 4.25 | 0.25 | 0.25 | 9 | 1/2-13 | 2.41 |
| 215TC | | | | | | 7 | | | | | | | | | | | | | | | | | |

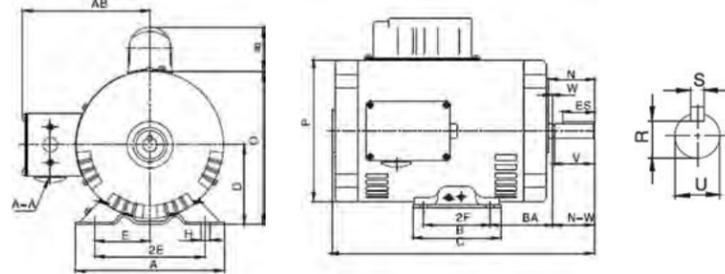
Single-Phase ODP Rolled Steel Motors

Foot Mount / 48 to 215T Frame

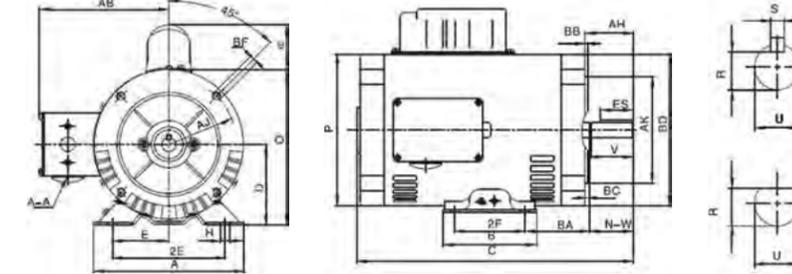
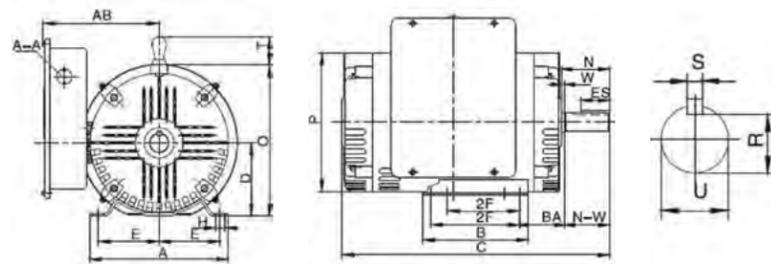
Single-Phase ODP Rolled Steel Motors

C-Face / 48C to 215TC Frame

48-56



143T-215T



| FRAME | MAX A | MAX B | C | D | E | 2F | H | N | N-W | O | P | R | S | U | MIN V | MIN AA | AB | BA | MIN ES |
|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|-----|------|--------|
| 48 | 6 | 3.8 | 10 | 3 | 212 | 2.75 | 0.34 | 1.62 | 1.5 | 5.83 | 5.66 | 0.453 | - | 0.5 | 1125 | 1/2 | 5.3 | 2.5 | - |
| 56 | 6.5 | 4.2 | 11.4 | 3.5 | 2.44 | 3 | 0.34 | 2.4 | 1.88 | 6.7 | 6.45 | 0.517 | 0.188 | 0.625 | 1.5 | 1/2 | 5.6 | 2.75 | 1.41 |
| 143T | 7 | 618 | 13.3 | 3.5 | 2.75 | 4 | 0.34 | 2.46 | 2.25 | 6.7 | 6.45 | 0.771 | 0.188 | 0.875 | 2 | 3/4 | 5.6 | 2.25 | 1.41 |
| 145T | | | | | | 5 | | | | | | | | | | | | | |
| 182T | 8.5 | 6.5 | 16.5 | 4.5 | 3.75 | 4.5 | 0.41 | 2.98 | 2.75 | 9.25 | 8.5 | 0.986 | 0.25 | 1125 | 2.5 | 3/4 | 7.2 | 2.75 | 1.78 |
| 184T | | | | | | 5.5 | | | | | | | | | | | | | |
| 213T | 9.5 | 8 | 18 | 5.25 | 4.25 | 5.5 | 0.41 | 3.66 | 3.38 | 9.84 | 9 | 1.201 | 0.312 | 1.375 | 312 | 1 | 7.5 | 3.5 | 2.41 |
| 215T | | | | | | 7 | | | | | | | | | | | | | |

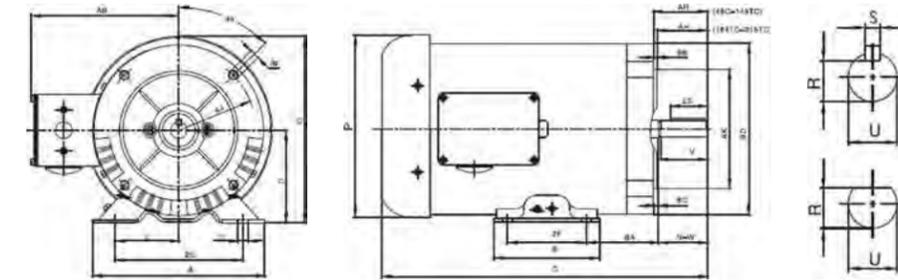
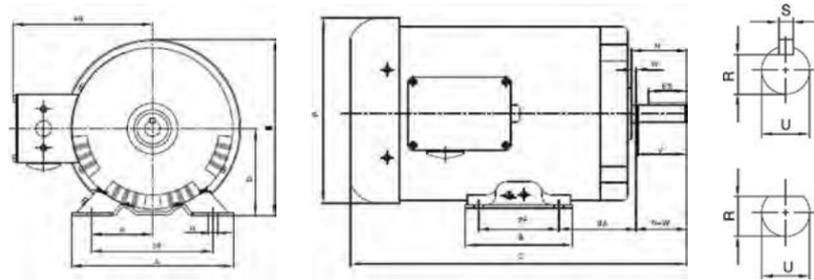
| FRAME | A | MAX B | C | D | E | 2F | N-W | O | P | R | S | U | MIN AA | AB | AH | AJ | AK | BA | MAX BB | BC | MAX BD | BF | MIN ES |
|-------|-----|-------|------|------|------|------|------|------|------|-------|-------|-------|--------|-----|------|-------|-----|------|--------|-------|--------|--------|--------|
| 48C | 6 | 3.8 | 10 | 3 | 212 | 2.75 | 1.5 | 5.83 | 5.66 | 0.453 | - | 0.5 | 1/2 | 5.3 | 1.69 | 3.75 | 3 | 2.5 | 0.16 | -0.19 | 5.625 | 1/4-20 | - |
| 56C | 6.5 | 4.2 | 11.4 | 3.5 | 2.44 | 3 | 1.88 | 6.7 | 6.45 | 0.517 | 0.188 | 0.625 | 1/2 | 5.6 | 2.06 | 5.875 | 4.5 | 2.75 | 0.16 | -0.19 | 6.5 | 3/8-16 | 1.41 |
| 143TC | 7 | 618 | 13.3 | 3.5 | 2.75 | 4 | 2.25 | 6.7 | 6.45 | 0.771 | 0.188 | 0.875 | 3/4 | 5.6 | 212 | 5.875 | 4.5 | 2.75 | 0.16 | 0.12 | 6.5 | 1/2-13 | 1.41 |
| 145TC | | | | | | 5 | | | | | | | | | | | | | | | | | |
| 182TC | 8.5 | 6.5 | 16.5 | 4.5 | 3.75 | 4.5 | 2.75 | 9.25 | 8.5 | 0.986 | 0.25 | 1125 | 3/4 | 7.2 | 2.62 | 7.25 | 8.5 | 3.5 | 0.25 | 0.12 | 9 | 1/2-13 | 1.78 |
| 184TC | | | | | | 5.5 | | | | | | | | | | | | | | | | | |
| 213TC | 9.5 | 8 | 18 | 5.25 | 4.25 | 5.5 | 3.38 | 9.84 | 9 | 1.201 | 0.312 | 1.375 | 1 | 7.5 | 312 | 7.25 | 8.5 | 4.25 | 0.25 | 0.25 | 9 | 1/2-13 | 2.41 |
| 215TC | | | | | | 7 | | | | | | | | | | | | | | | | | |

Three-Phase TEFC Rolled Steel Motors

Foot Mount / 48 to 215T Frame

Three-Phase TEFC Rolled Steel Motors

C-Face / 48 to 215T Frame



| FRAME | MAX A | MAX B | C | D | E | 2F | H | N | N-W | O | P | R | S | U | MIN V | MIN AA | AB | BA | MIN ES |
|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|-----|------|--------|
| 48 | 6 | 3.8 | 10 | 3 | 2.2 | 2.75 | 0.34 | 1.62 | 1.5 | 5.83 | 5.66 | 0.453 | - | 0.5 | 1.25 | 1/2 | 5.3 | 2.5 | - |
| 56 | 6.5 | 4.2 | 12.7 | 3.5 | 2.44 | 3 | 0.34 | 2.4 | 1.88 | 6.7 | 7.08 | 0.517 | 0.188 | 0.625 | 1.5 | 1/2 | 5.6 | 2.75 | 1.41 |
| 143T | 7 | 6.18 | 14.6 | 3.5 | 2.75 | 4 | 0.34 | 2.46 | 2.25 | 6.7 | 7.08 | 0.771 | 0.188 | 0.875 | 2 | 3/4 | 5.6 | 2.25 | 1.41 |
| 145T | | | | | | 5 | | | | | | | | | | | | | |
| 182T | 8.5 | 6.5 | 18.8 | 4.5 | 3.75 | 4.5 | 0.41 | 2.98 | 2.75 | 9.25 | 9.65 | 0.986 | 0.25 | 1.125 | 2.5 | 3/4 | 7.2 | 2.75 | 1.78 |
| 184T | | | | | | 5.5 | | | | | | | | | | | | | |
| 213T | 9.5 | 8 | 20.5 | 5.25 | 4.25 | 5.5 | 0.41 | 3.66 | 3.38 | 9.84 | 10 | 1.201 | 0.312 | 1.375 | 3.12 | 1 | 7.5 | 3.5 | 2.41 |
| 215T | | | | | | 7 | | | | | | | | | | | | | |

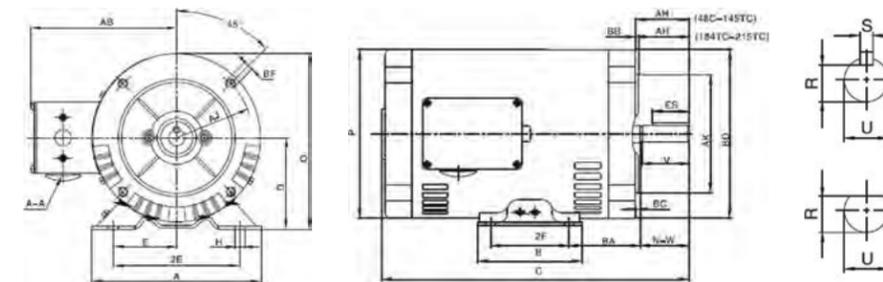
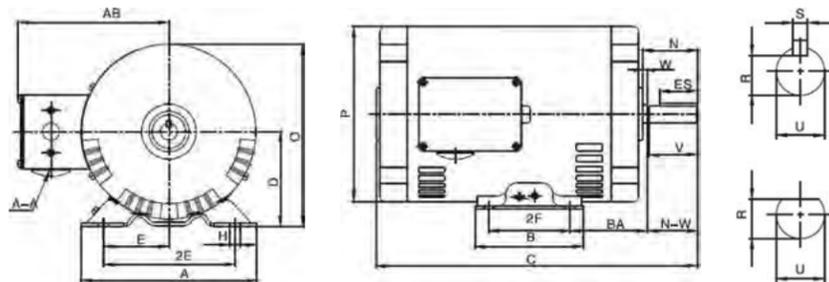
| FRAME | A | MAX B | C | D | E | 2F | H | N-W | O | P | R | S | U | MIN V | MIN AA | AB | AH | AJ | AK | BA | MAX BB | B | MAX BD | BF | MIN ES |
|-------|-----|-------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|-----|------|-------|-----|------|--------|-------|--------|--------|--------|
| 48C | 6 | 3.8 | 10 | 3 | 2.2 | 2.75 | 0.34 | 1.5 | 5.83 | 5.66 | 0.453 | - | 0.5 | 1.25 | 1/2 | 5.3 | 1.69 | 3.75 | 3 | 2.5 | 0.16 | -0.19 | 5.625 | 1/4-20 | - |
| 56C | 6.5 | 4.2 | 12.7 | 3.5 | 2.44 | 3 | 0.34 | 1.88 | 6.7 | 7.08 | 0.517 | 0.188 | 0.625 | 1.5 | 1/2 | 5.6 | 2.06 | 5.875 | 4.5 | 2.75 | 0.16 | -0.19 | 6.5 | 3/8-16 | 1.41 |
| 143TC | 7 | 6.18 | 14.6 | 3.5 | 2.75 | 4 | 0.34 | 2.25 | 6.7 | 7.08 | 0.771 | 0.188 | 0.875 | 2 | 3/4 | 5.6 | 2.12 | 5.875 | 4.5 | 2.75 | 0.16 | 0.12 | 6.5 | 1/2-13 | 1.41 |
| 145TC | | | | | | 5 | | | | | | | | | | | | | | | | | | | |
| 182TC | 8.5 | 6.5 | 18.5 | 4.5 | 3.75 | 4.5 | 0.41 | 2.75 | 9.25 | 9.65 | 0.986 | 0.25 | 1.125 | 2.5 | 3/4 | 7.2 | 2.62 | 7.25 | 8.5 | 3.5 | 0.25 | 0.12 | 9 | 1/2-13 | 1.78 |
| 184TC | | | | | | 5.5 | | | | | | | | | | | | | | | | | | | |
| 213TC | 9.5 | 8 | 20.5 | 5.25 | 4.25 | 5.5 | 0.41 | 3.38 | 9.84 | 10 | 1.201 | 0.312 | 1.375 | 3.12 | 1 | 7.5 | 3.12 | 7.25 | 8.5 | 4.25 | 0.25 | 0.25 | 9 | 1/2-13 | 2.41 |
| 215TC | | | | | | 7 | | | | | | | | | | | | | | | | | | | |

Three-Phase ODP Rolled Steel Motors

Foot Mount / 48 to 215T Frame

Three-Phase ODP Rolled Steel Motors

C-Face / 48 to 215TC Frame

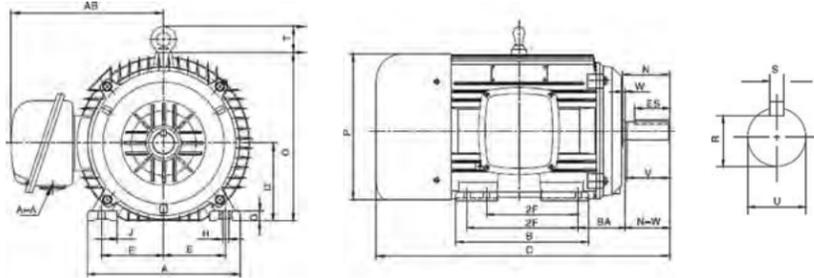


| FRAME | MAX A | MAX B | C | D | E | 2F | H | N | N-W | O | P | R | S | U | MIN V | MIN AA | AB | BA | MIN ES |
|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|-----|------|--------|
| 48 | 6 | 3.8 | 10 | 3 | 2.2 | 2.75 | 0.34 | 1.62 | 1.5 | 5.83 | 5.66 | 0.453 | - | 0.5 | 1125 | 1/2 | 5.3 | 2.5 | - |
| 56 | 6.5 | 4.2 | 11.4 | 3.5 | 2.44 | 3 | 0.34 | 2.4 | 1.88 | 6.7 | 6.45 | 0.517 | 0.188 | 0.625 | 1.5 | 1/2 | 5.6 | 2.75 | 1.41 |
| 143T | 7 | 6.18 | 13.3 | 3.5 | 2.75 | 4 | 0.34 | 2.46 | 2.25 | 6.7 | 6.45 | 0.771 | 0.188 | 0.875 | 2 | 3/4 | 5.6 | 2.25 | 1.41 |
| 145T | | | | | | 5 | | | | | | | | | | | | | |
| 182T | 8.5 | 6.5 | 16.5 | 4.5 | 3.75 | 4.5 | 0.41 | 2.98 | 2.75 | 9.25 | 8.5 | 0.986 | 0.25 | 1125 | 2.5 | 3/4 | 7.2 | 2.75 | 1.78 |
| 184T | | | | | | 5.5 | | | | | | | | | | | | | |
| 213T | 9.5 | 8 | 18 | 5.25 | 4.25 | 5.5 | 0.41 | 3.66 | 3.38 | 9.84 | 9 | 1.201 | 0.312 | 1.375 | 312 | 1 | 7.5 | 3.5 | 2.41 |
| 215T | | | | | | 7 | | | | | | | | | | | | | |

| FRAME | MAX A | MAX B | C | D | E | 2F | H | N-W | O | P | R | S | U | MIN V | MIN AA | AB | AH | AJ | AK | BA | MAX BB | BC | MAX BD | BF | MIN ES |
|-------|-------|-------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|-----|------|-------|-----|------|--------|-------|--------|--------|--------|
| 48C | 6 | 3.8 | 10 | 3 | 2.12 | 2.75 | 0.34 | 1.5 | 5.83 | 5.66 | 0.453 | - | 0.5 | 1125 | 1/2 | 5.3 | 1.69 | 3.75 | 3 | 2.5 | 0.16 | -0.19 | 5.625 | 1/4-20 | - |
| 56C | 6.5 | 4.2 | 11.4 | 3.5 | 2.44 | 3 | 0.34 | 1.88 | 6.7 | 7.08 | 0.517 | 0.188 | 0.625 | 1.5 | 1/2 | 5.6 | 2.06 | 5.875 | 4.5 | 2.75 | 0.16 | -0.19 | 6.5 | 3/8-16 | 1.41 |
| 143TC | 7 | 6.18 | 13.3 | 3.5 | 2.75 | 4 | 0.34 | 2.25 | 6.7 | 7.08 | 0.771 | 0.188 | 0.875 | 2 | 3/4 | 5.6 | 2.12 | 5.875 | 4.5 | 2.75 | 0.16 | 0.12 | 6.5 | 1/2-13 | 1.41 |
| 145TC | | | | | | 5 | | | | | | | | | | | | | | | | | | | |
| 182TC | 8.5 | 6.5 | 16.5 | 4.5 | 3.75 | 4.5 | 0.41 | 2.75 | 9.25 | 9.65 | 0.986 | 0.25 | 1125 | 2.5 | 3/4 | 7.2 | 2.62 | 7.25 | 8.5 | 3.5 | 0.25 | 0.12 | 9 | 1/2-13 | 1.78 |
| 184TC | | | | | | 5.5 | | | | | | | | | | | | | | | | | | | |
| 213TC | 9.5 | 8 | 18 | 5.25 | 4.25 | 5.5 | 0.41 | 3.38 | 9.84 | 9 | 1.201 | 0.312 | 1.375 | 312 | 1 | 7.5 | 3.12 | 7.25 | 8.5 | 4.25 | 0.25 | 0.25 | 9 | 1/2-13 | 2.41 |
| 215TC | | | | | | 7 | | | | | | | | | | | | | | | | | | | |

Premium Efficient TEFC Cast Iron Motors

Foot Mount / 143T to 5011TC Frame



| FRAME | A | B | C | D | E | 2F | G | H | J | N | N-W | O | P | R | S | T | U |
|-----------------|-------|-------|-------|------|------|---------------|------|-------|------|--------|--------|-------|-------|-------|-------|------|-------|
| 143T / 145T | 7 | 6 | 15.35 | 3.5 | 2.75 | 4 / 5 | 0.52 | 0.34 | 1.58 | 2.44 | 2.25 | 7.52 | 7.68 | 0.771 | 0.188 | 1.42 | 0.875 |
| 182T / 184T | 9 | 7.3 | 17.72 | 4.5 | 3.75 | 4.5 / 5.5 | 0.67 | 0.41 | 1.97 | 2.99 | 2.75 | 9.83 | 10.16 | 0.986 | 0.25 | 1.73 | 1.125 |
| 213T / 215T | 10.5 | 9.4 | 22.25 | 5.25 | 4.25 | 5.5 / 7 | 0.73 | 0.41 | 2.2 | 3.65 | 3.38 | 11.62 | 11.65 | 1.201 | 0.312 | 2.05 | 1.375 |
| 254T / 256T | 12.3 | 12 | 27 | 6.25 | 5 | 8.25 / 10 | 0.79 | 0.53 | 2.44 | 4.4 | 4 | 13.8 | 13.98 | 1.416 | 0.375 | 2.05 | 1.625 |
| 284T / 286T | 13.8 | 13.6 | 30.2 | 7 | 5.5 | 9.5 / 11 | 0.87 | 0.53 | 2.84 | 5.02 | 4.62 | 15.6 | 15.63 | 1.591 | 0.5 | 2.44 | 1.875 |
| 284TS / 286TS | 13.8 | 13.6 | 28.83 | 7 | 5.5 | 9.5 / 11 | 0.87 | 0.53 | 2.84 | 5.02 | 3.25 | 15.6 | 15.63 | 1.416 | 0.375 | 2.44 | 1.625 |
| 324T / 326T | 15.3 | 14.1 | 32.4 | 8 | 6.25 | 10.5 / 12 | 1.03 | 0.66 | 2.95 | 5.25 | 5.25 | 17.32 | 17.46 | 1.845 | 0.5 | 2.44 | 2.125 |
| 324TS / 326TS | 15.3 | 14.1 | 30.9 | 8 | 6.25 | 10.5 / 12 | 1.03 | 0.66 | 2.95 | 5.65 | 3.75 | 17.32 | 17.46 | 1.591 | 0.5 | 2.44 | 1.875 |
| 364T / 365T | 17.2 | 16.2 | 36.5 | 9 | 7 | 11.25 / 12.25 | 1.1 | 0.66 | 3.23 | 6.28 | 5.88 | 18.98 | 19.06 | 2.021 | 0.625 | 2.44 | 2.375 |
| 364TS / 365TS | 17.2 | 16.2 | 34.02 | 9 | 7 | 11.25 / 12.25 | 1.1 | 0.66 | 3.23 | 6.28 | 3.75 | 18.98 | 19.06 | 1.591 | 0.5 | 2.44 | 1.875 |
| 404T / 405T | 19.22 | 20 | 41.36 | 10 | 8 | 12.25 / 13.75 | 1.2 | 0.81 | 3.35 | 7.28 | 7.25 | 20.96 | 21.56 | 2.45 | 0.75 | 2.84 | 2.875 |
| 404TS / 405TS | 19.22 | 20 | 38.36 | 10 | 8 | 12.25 / 13.75 | 1.2 | 0.81 | 3.35 | 7.73 | 4.25 | 20.96 | 21.56 | 1.845 | 0.5 | 2.84 | 2.215 |
| 444T / 445T | 21.76 | 21.26 | 47.25 | 11 | 9 | 14.5 / 16.5 | 1.2 | 0.81 | 3.74 | 8.98 | 8.5 | 23.5 | 23.35 | 2.88 | 0.875 | 4.1 | 3.375 |
| 444TS / 445TS | 21.76 | 21.26 | 43.5 | 11 | 9 | 14.5 / 16.5 | 1.2 | 0.81 | 3.74 | 8.98 | 4.75 | 23.5 | 23.35 | 2.021 | 0.625 | 4.1 | 2.375 |
| 447T / 449T | 21.76 | 28.74 | 53.55 | 11 | 9 | 20 / 25 | 1.2 | 0.81 | 3.74 | 8.98 | 8.5 | 23.5 | 23.35 | 2.88 | 0.875 | 4.1 | 3.375 |
| 447TS / 449TS | 21.76 | 28.74 | 49.8 | 11 | 9 | 20 / 25 | 1.2 | 0.81 | 3.74 | 8.98 | 4.75 | 23.5 | 23.35 | 2.021 | 0.625 | 4.1 | 2.375 |
| 5007TS / 5011TS | 28.7 | 31.1 | 64.8 | 14.5 | 11 | 20 / 25 | 2.05 | 1.125 | 4.72 | 12.125 | 11.625 | 28.4 | 28.2 | 3.309 | 1 | 5 | 3.825 |

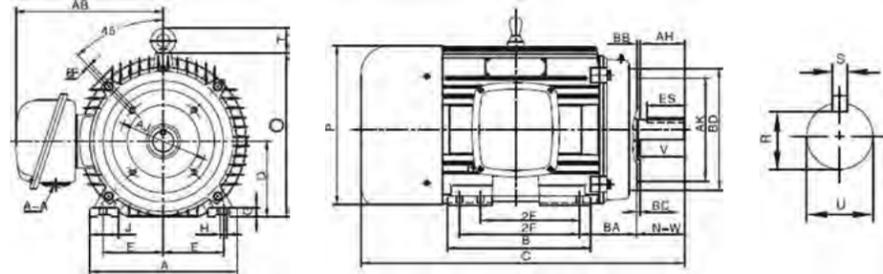
(Continued)

| FRAME | MIN V | AA | AB | BA | MIN ES |
|-----------------|-------|------|-------|------|--------|
| 143T / 145T | 2 | 3/4 | 7.36 | 2.25 | 1.41 |
| 182T / 184T | 2.5 | 3/4 | 8.66 | 2.75 | 1.78 |
| 213T / 215T | 3.12 | 1 | 9.65 | 3.5 | 2.41 |
| 254T / 256T | 3.75 | 1.25 | 12.26 | 4.25 | 2.91 |
| 284T / 286T | 4.38 | 1.5 | 13.98 | 4.75 | 3.28 |
| 284TS / 286TS | 3 | 1.5 | 13.98 | 4.75 | 1.91 |
| 324T / 326T | 5 | 2 | 15.55 | 5.25 | 3.91 |
| 324TS / 326TS | 3.5 | 2 | 15.55 | 5.25 | 2.03 |
| 364T / 365T | 5.62 | 3 | 16.56 | 5.88 | 4.28 |
| 364TS / 365TS | 3.5 | 3 | 16.56 | 5.88 | 2.03 |
| 404T / 405T | 7 | 3 | 18.37 | 6.62 | 5.65 |
| 404TS / 405TS | 4 | 3 | 18.37 | 6.62 | 2.78 |
| 444T / 445T | 8.25 | 3 | 20.87 | 7.5 | 6.91 |
| 444TS / 445TS | 4.5 | 3 | 20.87 | 7.5 | 3.03 |
| 447T / 449T | 8.25 | 3 | 20.87 | 7.5 | 6.91 |
| 447TS / 449TS | 4.5 | 3 | 20.87 | 7.5 | 3.03 |
| 5007TS / 5011TS | - | 2x3 | 24 | 10 | 10 |

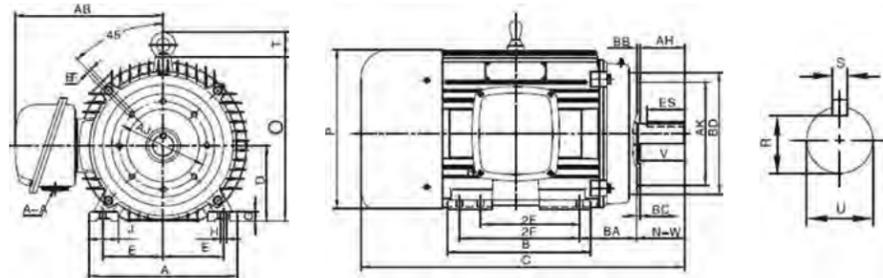
Premium Efficient TEFC Cast Iron Motors

C-Face / 143TC to 449TSC Frame

143TC-326TC



364TC-449TSC



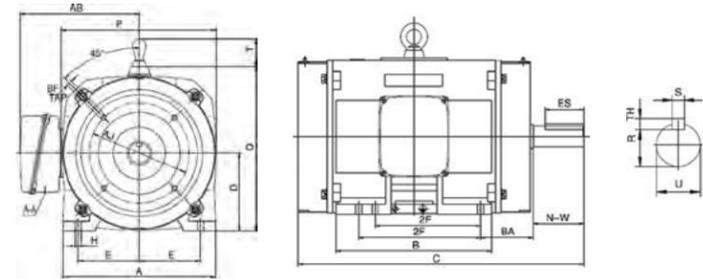
| FRAME | A | B | C | D | E | 2F | G | H | J | N | N-W | O | P |
|-----------------|-------|-------|-------|------|------|---------------|------|------|------|------|------|-------|-------|
| 143TC / 145TC | 7 | 6 | 15.35 | 3.5 | 2.75 | 4 / 5 | 0.52 | 0.34 | 1.58 | 2.44 | 2.25 | 7.52 | 7.68 |
| 182TC / 184TC | 9 | 7.3 | 17.72 | 4.5 | 3.75 | 4.5 / 5.5 | 0.67 | 0.41 | 1.97 | 2.99 | 2.75 | 9.83 | 10.16 |
| 213TC / 215TC | 10.5 | 9.4 | 22.25 | 5.25 | 4.25 | 5.5 / 7 | 0.73 | 0.41 | 2.2 | 3.65 | 3.38 | 11.62 | 11.65 |
| 254TC / 256TC | 12.3 | 12 | 27 | 6.25 | 5 | 8.25 / 10 | 0.79 | 0.53 | 2.44 | 4.4 | 4 | 13.8 | 13.98 |
| 284TC / 286TC | 13.8 | 13.6 | 30.2 | 7 | 5.5 | 9.5 / 11 | 0.87 | 0.53 | 2.84 | 5.02 | 4.62 | 15.6 | 15.63 |
| 284TSC / 286TSC | 13.8 | 13.6 | 28.83 | 7 | 5.5 | 9.5 / 11 | 0.87 | 0.53 | 2.84 | 5.02 | 3.25 | 15.6 | 15.63 |
| 324TC / 326TC | 15.3 | 14.1 | 32.4 | 8 | 6.25 | 10.5 / 12 | 1.03 | 0.66 | 2.95 | 5.25 | 5.25 | 17.32 | 17.46 |
| 324TSC / 326TSC | 15.3 | 14.1 | 30.9 | 8 | 6.25 | 10.5 / 12 | 1.03 | 0.66 | 2.95 | 5.65 | 3.75 | 17.32 | 17.46 |
| 364TC / 365TC | 17.2 | 16.2 | 36.5 | 9 | 7 | 11.25 / 12.25 | 1.1 | 0.66 | 3.23 | 6.28 | 5.88 | 18.98 | 19.06 |
| 364TSC / 365TSC | 17.2 | 16.2 | 34.02 | 9 | 7 | 11.25 / 12.25 | 1.1 | 0.66 | 3.23 | 6.28 | 3.75 | 18.98 | 19.06 |
| 404TC / 405TC | 19.22 | 20 | 41.36 | 10 | 8 | 12.25 / 13.75 | 1.2 | 0.81 | 3.35 | 7.28 | 7.25 | 20.96 | 21.56 |
| 404TSC / 405TSC | 19.22 | 20 | 38.36 | 10 | 8 | 12.25 / 13.75 | 1.2 | 0.81 | 3.35 | 7.73 | 4.25 | 20.96 | 21.56 |
| 444TC / 445TC | 21.76 | 21.26 | 47.25 | 11 | 9 | 14.5 / 16.5 | 1.2 | 0.81 | 3.74 | 8.98 | 8.5 | 23.5 | 23.35 |
| 444TSC / 445TSC | 21.76 | 21.26 | 43.5 | 11 | 9 | 14.5 / 16.5 | 1.2 | 0.81 | 3.74 | 8.98 | 4.75 | 23.5 | 23.35 |
| 447TC / 449TC | 21.76 | 28.74 | 53.55 | 11 | 9 | 20 / 25 | 1.2 | 0.81 | 3.74 | 8.98 | 8.5 | 23.5 | 23.35 |
| 447TSC / 449TSC | 21.76 | 28.74 | 49.8 | 11 | 9 | 20 / 25 | 1.2 | 0.81 | 3.74 | 8.98 | 4.75 | 23.5 | 23.35 |

(Continued)

| R | S | T | U | MIN V | AA | AB | AH | AJ | AK | BA | BB | BC | BD | BF | MIN ES |
|-------|-------|------|-------|-------|------|-------|------|-------|------|------|------|------|-------|--------|--------|
| 0.771 | 0.188 | 1.42 | 0.875 | 2 | 3/4 | 7.36 | 2.12 | 5.875 | 4.5 | 2.25 | 0.16 | 0.12 | 6.5 | 3/8-16 | 1.41 |
| 0.986 | 0.25 | 1.73 | 1.125 | 2.5 | 3/4 | 8.66 | 2.62 | 7.25 | 8.5 | 2.75 | 0.25 | 0.12 | 9 | 1/2-13 | 1.78 |
| 1.201 | 0.312 | 2.05 | 1.375 | 3.12 | 1 | 9.65 | 3.12 | 7.25 | 8.5 | 3.5 | 0.25 | 0.25 | 9 | 1/2-13 | 2.41 |
| 1.416 | 0.375 | 2.05 | 1.625 | 3.75 | 1.25 | 12.26 | 3.75 | 7.25 | 8.5 | 4.25 | 0.25 | 0.25 | 10 | 1/2-13 | 2.91 |
| 1.591 | 0.5 | 2.44 | 1.875 | 4.38 | 1.5 | 13.98 | 4.38 | 9 | 10.5 | 4.75 | 0.25 | 0.25 | 11.25 | 1/2-13 | 3.28 |
| 1.416 | 0.375 | 2.44 | 1.625 | 3 | 1.5 | 13.98 | 3 | 9 | 10.5 | 4.75 | 0.25 | 0.25 | 11.25 | 1/2-13 | 1.91 |
| 1.845 | 0.5 | 2.44 | 2.125 | 5 | 2 | 15.55 | 5 | 11 | 12.5 | 5.25 | 0.25 | 0.25 | 14 | 5/8-11 | 3.91 |
| 1.591 | 0.5 | 2.44 | 1.875 | 3.5 | 2 | 15.55 | 3.5 | 11 | 12.5 | 5.25 | 0.25 | 0.25 | 14 | 5/8-11 | 2.03 |
| 2.021 | 0.625 | 2.44 | 2.375 | 5.62 | 3 | 16.56 | 5.62 | 11 | 12.5 | 5.88 | 0.25 | 0.25 | 14 | 5/8-11 | 4.28 |
| 1.591 | 0.5 | 2.44 | 1.875 | 3.5 | 3 | 16.56 | 3.5 | 11 | 12.5 | 5.88 | 0.25 | 0.25 | 14 | 5/8-11 | 2.03 |
| 2.45 | 0.75 | 2.84 | 2.875 | 7 | 3 | 18.37 | 7 | 11 | 12.5 | 6.62 | 0.25 | 0.25 | 15.5 | 5/8-11 | 5.65 |
| 1.845 | 0.5 | 2.84 | 2.215 | 4 | 3 | 18.37 | 4 | 11 | 12.5 | 6.62 | 0.25 | 0.25 | 15.5 | 5/8-11 | 2.78 |
| 2.88 | 0.875 | 4.1 | 3.375 | 8.25 | 3 | 20.87 | 8.25 | 14 | 16 | 7.5 | 0.25 | 0.25 | 18 | 5/8-11 | 6.91 |
| 2.021 | 0.625 | 4.1 | 2.375 | 4.5 | 3 | 20.87 | 4.5 | 14 | 16 | 7.5 | 0.25 | 0.25 | 18 | 5/8-11 | 3.03 |
| 2.88 | 0.875 | 4.1 | 3.375 | 8.25 | 3 | 20.87 | 8.25 | 14 | 16 | 7.5 | 0.25 | 0.25 | 18 | 5/8-11 | 6.91 |
| 2.021 | 0.625 | 4.1 | 2.375 | 4.5 | 3 | 20.87 | 4.5 | 14 | 16 | 7.5 | 0.25 | 0.25 | 18 | 5/8-11 | 3.03 |

Premium Efficient ODP Cast Iron Motors

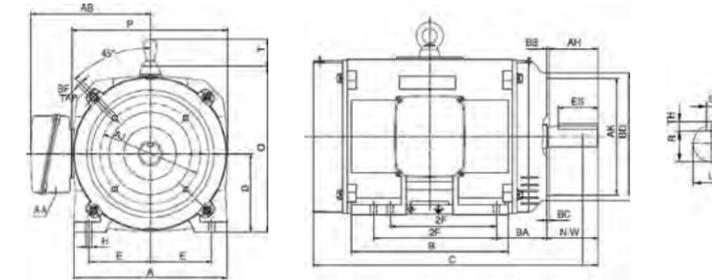
Foot Mount / 254/6T to 444/5T Frame



| FRAME | A | B | C | D | E | 2F | H | N-W | O+T | P | R | S | U | A-A | AB | BA | ES | TH |
|----------|-------|---------------|---------------|------|------|---------------|--------|------|-------|-------|-------|-------|-------|------|-------|------|-------|-------|
| 254 / 6T | 12.2 | 9.84 / 11.57 | 20.67 / 22.4 | 6.25 | 5 | 8.25 / 10 | 4-0.35 | 4 | 14.55 | 12.8 | 1.416 | 0.375 | 1.625 | 2.05 | 111 | 4.25 | 2.875 | 0.375 |
| 284 / 6T | 12.76 | 11.26 / 12.76 | 23.82 / 25.32 | 7 | 5.5 | 9.5 / 11 | 4-0.53 | 4.62 | 16.84 | 14.76 | 1.591 | 0.5 | 1.875 | 2.84 | 1318 | 4.75 | 3.25 | 0.5 |
| 324 / 6T | 14.88 | 12.68 / 14.17 | 26.26 / 27.76 | 8 | 6.25 | 10.5 / 12 | 4-0.66 | 5.25 | 18.82 | 16.69 | 1.845 | 0.5 | 2.125 | 2.84 | 14.09 | 5.25 | 3.875 | 0.5 |
| 364 / 5T | 16.38 | 13.43 / 14.41 | 29.13 / 30.13 | 9 | 7 | 11.25 / 12.25 | 4-0.66 | 5.88 | 21.05 | 18.31 | 2.021 | 0.625 | 2.375 | 3.58 | 16.33 | 5.88 | 4.25 | 0.625 |
| 404 / 5T | 19.69 | 14.96 / 16.54 | 33.1 / 34.6 | 10 | 8 | 12.25 / 13.75 | 4-0.81 | 7.25 | 23.78 | 20.24 | 2.45 | 0.75 | 2.875 | 4.64 | 20.08 | 6.62 | 5.625 | 0.75 |
| 444 / 5T | 22.05 | 17.32 / 19.29 | 37.7 / 39.7 | 11 | 9 | 14.5 / 16.5 | 4-0.81 | 8.5 | 26.35 | 22.05 | 2.88 | 0.875 | 3.375 | 4.64 | 20.8 | 7.5 | 6.91 | 0.875 |

Premium Efficient ODP Cast Iron Motors

C-Face / 254TC to 445TC Frame

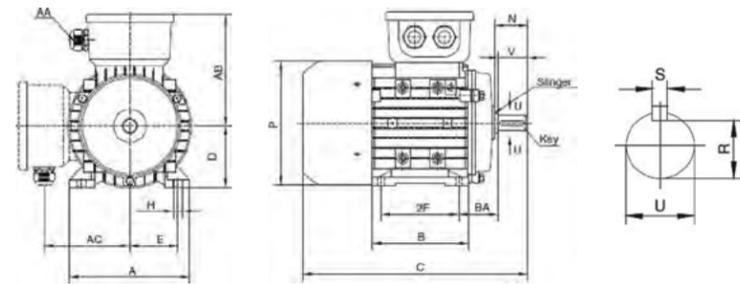


| FRAME | A | B | C | D | E | 2F | H | N-W | O+T | P | R | S | P | R | U | A-A | AB | AH |
|-----------|-------|---------------|---------------|------|------|---------------|---------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 254 / 6TC | 12.2 | 9.84 / 11.57 | 20.67 / 22.4 | 6.25 | 5 | 8.25 / 10 | 4-40.53 | 4 | 14.55 | 12.8 | 1.416 | 0.375 | 12.8 | 1.416 | 1.625 | 1-1/4 | 111 | 3.75 |
| 284 / 6TC | 12.76 | 11.26 / 12.76 | 23.82 / 25.32 | 7 | 5.5 | 9.5 / 11 | 4-40.53 | 4.62 | 16.84 | 14.76 | 1.591 | 0.5 | 14.76 | 1.591 | 1.875 | 1-1/2 | 1318 | 4.38 |
| 324 / 6TC | 14.88 | 12.68 / 14.17 | 26.26 / 27.76 | 8 | 6.25 | 10.5 / 12 | 4-40.66 | 5.25 | 18.82 | 16.69 | 1.845 | 0.5 | 16.69 | 1.845 | 2.125 | 2 | 14.09 | 5 |
| 364 / 5TC | 16.38 | 13.43 / 14.41 | 29.13 / 30.13 | 9 | 7 | 11.25 / 12.25 | 4-40.66 | 5.88 | 21.05 | 18.31 | 2.021 | 0.625 | 18.31 | 2.021 | 2.375 | 3 | 16.58 | 5.62 |
| 404 / 5TC | 19.69 | 14.96 / 16.54 | 33.1 / 34.6 | 10 | 8 | 12.25 / 13.75 | 4-40.81 | 7.25 | 23.78 | 20.24 | 2.45 | 0.75 | 20.24 | 2.45 | 2.875 | 3 | 20.08 | 7 |
| 444 / 5TC | 22.05 | 17.32 / 19.29 | 37.7 / 39.7 | 11 | 9 | 14.5 / 16.5 | 4-40.81 | 8.5 | 26.35 | 22.05 | 2.88 | 0.875 | 22.05 | 2.88 | 3.375 | 3 | 20.86 | 8.25 |

| FRAME | AJ | AK | BA | BB | BC | BD | ES | TH | BE MOLE | | |
|-----------|------|------|------|------|------|-------|-------|-------|---------|----------|----------------------------|
| | | | | | | | | | NUMBER | TAP SIZE | BOLT PENETRATION ALLOWANCE |
| 254 / 6TC | 7.25 | 8.5 | 4.25 | 0.25 | 0.25 | 10 | 2.875 | 0.375 | 4 | 1/2-13 | 0.75 |
| 284 / 6TC | 9 | 10.5 | 4.75 | 0.25 | 0.25 | 11.25 | 3.25 | 0.5 | 4 | 1/2-13 | 0.75 |
| 324 / 6TC | 11 | 12.5 | 5.25 | 0.25 | 0.25 | 14 | 3.875 | 0.5 | 4 | 5/8-11 | 0.94 |
| 364 / 5TC | 11 | 12.5 | 5.88 | 0.25 | 0.25 | 14 | 4.15 | 0.625 | 8 | 5/8-11 | 0.94 |
| 404 / 5TC | 11 | 12.5 | 6.62 | 0.25 | 0.25 | 15.5 | 5.625 | 0.75 | 8 | 5/8-11 | 0.94 |
| 444 / 5TC | 14 | 16 | 7.5 | 0.25 | 0.25 | 18 | 6.91 | 0.875 | 8 | 5/8-11 | 0.94 |

EISA High Efficiency TEFC Aluminum Motors

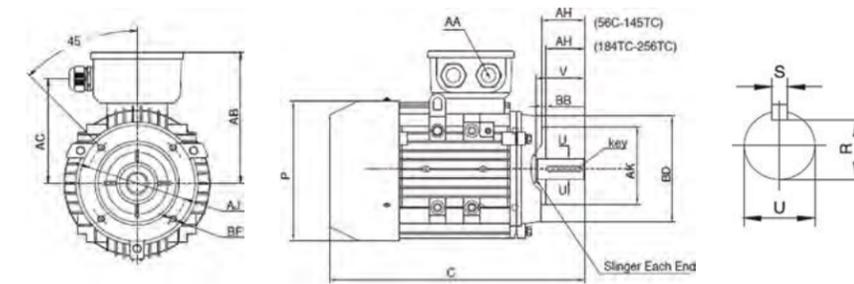
Foot Mount / 48 to 286T Frame



| FRAME | A | B | C | D | E | 2F | H | KEY | N | O | P | S | R | U | V | AA | AB | AC | BA |
|-------|-------|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|-------|-------|------|
| 48 | 6 | 3.6 | 10.5 | 3 | 212 | 2.75 | 0.34 | | 1.62 | 5.85 | 5.4 | 0188 | 0.453 | 0.5 | 1.5 | 0.5 | 4.65 | 3.5 | 2.5 |
| 56 | 7 | 4 | 13.5 | 3.5 | 2.44 | 3 | 0.34 | 0188 | 2 | 7.34 | 7.68 | 0188 | 0.517 | 0.625 | 1.88 | 0.5 | 5.5 | 4.5 | 2.75 |
| 143T | 6.5 | 5.88 | 12.5 | 3.5 | 2.75 | 5 | 0.38 | 0.19 | 2.5 | 7.48 | 8 | 0188 | 0.771 | 0.875 | 2.25 | 0.75 | 6.38 | 5 | 2.25 |
| 145T | | | 13.5 | | | | | | | | | | | | | | | | |
| 182T | 8.62 | 6.5 | 16 | 4.5 | 3.75 | 4.5 | 0.41 | 0.25 | 2.81 | 9.23 | 1012 | 0.25 | 0.986 | 1125 | 2.75 | 0.75 | 712 | 5.75 | 2.75 |
| 184T | | | | | | 5.5 | | | | | | | | | | | | | |
| 213T | 9.62 | 8.12 | 19 | 5.25 | 4.25 | 5.5 | 0.41 | 0.31 | 3.88 | 10.99 | 12.18 | 0.312 | 1.201 | 1.375 | 3.38 | 1 | 9.22 | 7.43 | 3.5 |
| 215T | | | 20 | | | 7 | | | | | | | | | | | | | |
| 245T | 11.5 | 11.5 | 24.5 | 6.25 | 5 | 8.25 | 0.53 | 0.38 | 4.2 | 12.96 | 13.44 | 0.375 | 1.418 | 1.625 | 4 | 1.25 | 10.48 | 8.66 | 4.25 |
| 256T | | | 26.5 | | | 10 | | | | | | | | | | | | | |
| 284T | 12.76 | 12.75 | 30 | 7 | 5.5 | 9.5 | 0.53 | 0.38 | 4.88 | 14.74 | 15.54 | 0.5 | 1.591 | 1.875 | 4.63 | 1.5 | 12.46 | 10.14 | 4.75 |
| 286T | | | 32 | | | 11 | | | | | | | | | | | | | |

EISA High Efficiency TEFC Aluminum Motors

C-Face / 48C to 286TC Frame



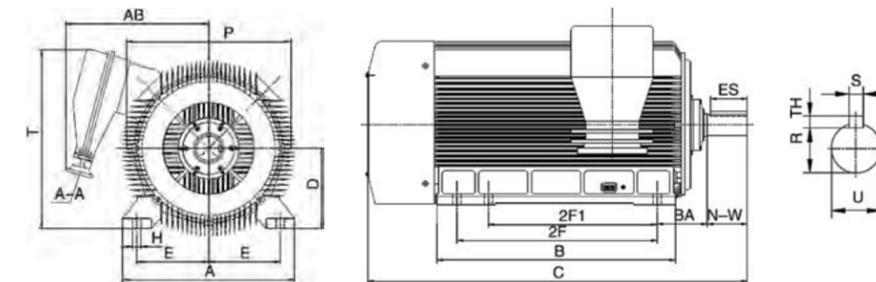
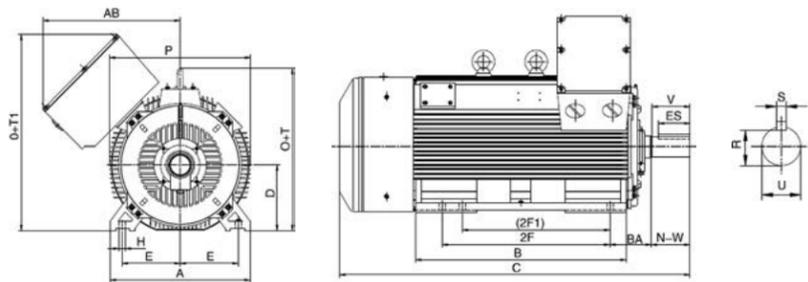
| FRAME | C | KEY | O | P | R | S | U | V | AA | AB | AC | AH | AJ | AK | BB | BD | TAP BF |
|-------|------|------|-------|-------|-------|-------|-------|------|------|-------|-------|------|-------|------|------|-------|---------|
| 48C | 10.5 | - | 5.85 | 5.7 | - | 0.453 | 0.5 | 1.5 | 0.5 | 4.65 | 3.5 | 1.69 | 5.75 | 3 | 016 | 5.625 | 1/4-20 |
| 56C | 13.5 | 0.34 | 7.34 | 7.68 | 0188 | 0.517 | 0.625 | 1.88 | 0.5 | 5.5 | 4.5 | 2.06 | 5.875 | 4.5 | 016 | 6.5 | 3/8-16 |
| 143TC | 12.5 | 0.19 | 7.48 | 8 | 0188 | 0.771 | 0.875 | 2.12 | 0.75 | 6.38 | 5 | 2.25 | 5.88 | 4.5 | 013 | 6.51 | 0.38-16 |
| 145TC | | | | | | | | | | | | | | | | | |
| 182TC | 16 | 0.25 | 9.23 | 1012 | 0.25 | 0.986 | 1125 | 2.62 | 0.75 | 712 | 5.75 | 2.75 | 7.25 | 8.5 | 0.25 | 9 | 0.5-13 |
| 184TC | | | | | | | | | | | | | | | | | |
| 213TC | 19 | 0.31 | 10.99 | 12.18 | 0.312 | 1.201 | 1.375 | 3.38 | 1 | 9.22 | 7.43 | 315 | 7.25 | 8.5 | 0.25 | 9.06 | 0.5-13 |
| 215TC | 20 | | | | | | | | | | | | | | | | |
| 254TC | 24.5 | 0.38 | 12.96 | 13.44 | 0.375 | 1.416 | 1.625 | 4 | 1.25 | 10.48 | 8.66 | 3.75 | 7.25 | 8.5 | 0.25 | 913 | 0.5-13 |
| 256TC | 26.5 | | | | | | | | | | | | | | | | |
| 284TC | 30 | 0.38 | 14.74 | 15.54 | 0.05 | 1.591 | 1.875 | 4.63 | 1.5 | 12.46 | 10.14 | 4.38 | 9 | 10.5 | 0.25 | 11.23 | 0.5-13 |
| 286TC | 32 | | | | | | | | | | | | | | | | |

Medium Voltage TEFC Cast Iron/Steel Motors

C-Face / N5009 to N6810 Frame

Crusher Duty ODP Motors

Foot Mount / 450T to 7UZ Frame

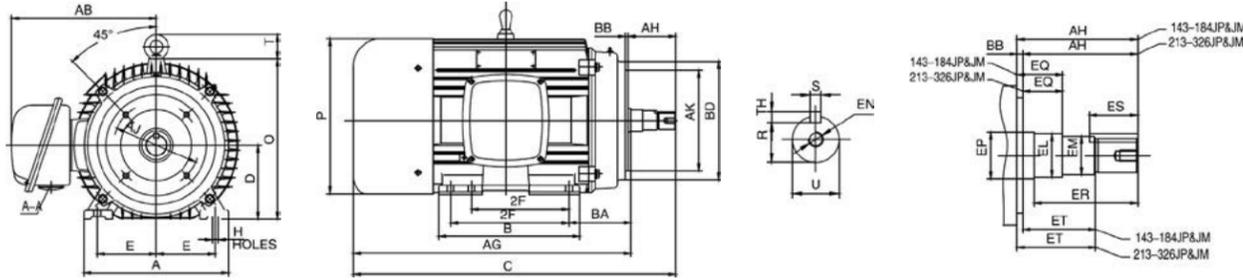


| FRAME | POLES | A | B | C | D | E | 2F | 2F1 | H | N-W | O+T | O+T1 | P | R | S | U | V | AB | BA | ES |
|-------|-------|------|-------|------|-------|------|----|-----|------|-----|------|------|------|-------|-------|-------|-----|------|------|-----|
| N5009 | 2 | 24.8 | 33.86 | 69.9 | 12.5 | 10 | 28 | 22 | 11 | 5.5 | 30.4 | 33.4 | 278 | 2.275 | 0.625 | 2.625 | 5.3 | 278 | 8.5 | 475 |
| | 4~10 | 24.8 | 33.86 | 674 | 12.5 | 10 | 28 | 22 | 11 | 6.7 | 30.4 | 33.4 | 278 | 3.261 | 0.875 | 3.75 | 6.5 | 278 | 8.5 | 5.5 |
| N5011 | 4~10 | 24.8 | 41.85 | 75.4 | 12.5 | 10 | 36 | 32 | 11 | 6.7 | 30.4 | 33.4 | 278 | 3.261 | 0.875 | 3.75 | 6.5 | 278 | 8.5 | 5.5 |
| N5808 | 2 | 28 | 33.86 | 78.6 | 14.5 | 11.5 | 28 | 25 | 11 | 5.5 | 34.2 | 36.9 | 32.3 | 2.45 | 0.75 | 2.875 | 5.3 | 29.8 | 10 | 475 |
| | 4~10 | 28 | 33.86 | 73.3 | 14.5 | 11.5 | 28 | 25 | 11 | 8.3 | 34.2 | 36.9 | 32.3 | 3.817 | 1 | 4.375 | 8.1 | 29.8 | 10 | 6.7 |
| N5810 | 2 | 28 | 41.85 | 86.1 | 14.5 | 11.5 | 36 | 32 | 11 | 5.5 | 34.2 | 36.9 | 32.3 | 2.45 | 0.75 | 2.875 | 5.3 | 29.8 | 10 | 475 |
| | 4~10 | 28 | 41.85 | 80.7 | 14.5 | 11.5 | 36 | 32 | 11 | 8.3 | 34.2 | 36.9 | 32.3 | 3.817 | 1 | 4.375 | 8.1 | 29.8 | 10 | 6.7 |
| N6310 | 2 | 31.5 | 47.24 | 85.5 | 15.75 | 13.5 | 40 | 32 | 1.38 | 6.7 | 37 | 40.9 | 35.5 | 2.704 | 0.75 | 3.125 | 6.5 | 331 | 11 | 5.5 |
| | 4~10 | 31.5 | 47.24 | 80.7 | 15.75 | 13.5 | 40 | 32 | 1.38 | 8.3 | 37 | 40.9 | 35.5 | 3.817 | 1 | 4.375 | 8.1 | 331 | 11 | 6.7 |
| | 2 | 33.9 | 53.54 | 92 | 17 | 13.5 | 45 | 36 | 1.38 | 6.7 | - | 44 | 37.8 | 2.88 | 0.875 | 3.375 | 6.5 | - | 11.5 | 5.5 |
| N6810 | 4~10 | 33.9 | 53.54 | 90.2 | 17 | 13.5 | 45 | 36 | 1.38 | 8.3 | - | 44 | 37.8 | 4.169 | 1.25 | 4.875 | 8.1 | - | 11.5 | 6.7 |

| FRAME | A | B | C | D | 2E | 2F | 2F1 | H | N-W | P | R | S | T | U | AA | AB | BA | ES | TH |
|---------|-------|-------|-------|------|----|-------|-------|--------|--------|-------|-------|-------|-------|-------|----------|-------|------|------|-------|
| 450T | 19.22 | 18.25 | 41.36 | 10 | 16 | 13.75 | 12.25 | 4-0.81 | 7.25 | 21.56 | 2.45 | 0.75 | 25.6 | 2.875 | 1-NPT3 | 21.12 | 6.62 | 5.65 | 0.75 |
| 444T | 22.05 | 18.75 | 47.8 | 11 | 18 | 14.5 | - | 4-0.81 | 8.5 | 25.83 | 2.88 | 0.875 | 26.54 | 3.375 | 1-NPT3 | 22.24 | 7.5 | 6.91 | 0.875 |
| 445T | 22.05 | 19.29 | 48.1 | 11 | 18 | 16.5 | 14.5 | 4-0.81 | 8.5 | 25.83 | 2.88 | 0.875 | 26.54 | 3.375 | 1-NPT3 | 22.24 | 7.5 | 6.91 | 0.875 |
| 447T | 22.05 | 22.83 | 59.24 | 11 | 18 | 20 | - | 4-0.81 | 10.125 | 26.77 | 2.88 | 0.875 | 27.83 | 3.375 | 1-NPT3.5 | 22.95 | 7.5 | 8.5 | 0.875 |
| 449T | 22.05 | 27.83 | 64.54 | 11 | 18 | 25 | 20 | 4-0.81 | 10.125 | 26.77 | 2.88 | 0.875 | 27.83 | 3.375 | 1-NPT3.5 | 22.95 | 7.5 | 8.5 | 0.875 |
| 505T | 24.8 | 20.87 | 56.12 | 12.5 | 20 | 18 | 16 | 4-0.94 | 11.625 | 26.77 | 3.309 | 1 | 30.2 | 3.875 | 1-NPT4 | 21.85 | 8.5 | 10 | 1 |
| 586/7UZ | 28 | 29.72 | 71.02 | 14.5 | 22 | 25 | 22 | 6-1.1 | 11.625 | 33 | 3.817 | 1 | 33.2 | 4.375 | 2-NPT3 | 30.94 | 10 | 10 | 1 |

Close-Coupled Pump TEFC Motors

143 JM/JP to 365 JM/JP Frame



| FRAME | A | B | D | E | 2F | H | O | P | T | AA | AB | AG | AJ | AK | BA | BB | BD |
|----------|-------|-------|------|------|-------|------|-------|-------|------|-----------|-------|-------|------|------|------|------|-----|
| 143JM/JP | 6.93 | 4.88 | 3.5 | 2.75 | 4 | 0.34 | 7.57 | 8.15 | - | NPT 3/4 | 6.57 | 10.28 | 5.87 | 4.5 | 2.38 | 0.15 | 6.5 |
| 145JM/JP | | 5.87 | | | 5 | | | | | | | 11.23 | | | | | |
| 182JM/JP | 8.66 | 5.59 | 4.5 | 3.75 | 4.5 | 0.41 | 9.22 | 9.55 | 1.65 | NPT 3/4 | 7.39 | 11.92 | 5.87 | 4.5 | 2.88 | 0.15 | 6.5 |
| 184JM/JP | | 6.11 | | | 5.5 | | | | | | | 12.9 | | | | | |
| 213JM/JP | 10.23 | 6.89 | 5.25 | 4.25 | 5.5 | 0.41 | 10.84 | 11.2 | 1.65 | NPT 1 | 9.29 | 14.92 | 7.25 | 8.5 | 3.78 | 0.31 | 9 |
| 215JM/JP | | 8.39 | | | 7 | | | | | | | 16.41 | | | | | |
| 254JM/JP | 12.12 | 9.84 | 6.25 | 5 | 8.25 | 0.53 | 12.6 | 12.8 | 2 | NPT 1-1/4 | 11.14 | 19.71 | 7.25 | 8.5 | 4.25 | 0.31 | 10 |
| 256JM/JP | | 11.6 | | | 10 | | | | | | | 21.41 | | | | | |
| 284JM/JP | 12.76 | 11.26 | 7 | 5.5 | 9.5 | 0.53 | 14.94 | 15.75 | 2.36 | NPT 1-1/2 | 13.98 | 22.59 | 11 | 12.5 | 4.75 | 0.31 | 14 |
| 286JM/JP | | 12.76 | | | 11 | | | | | | | 24.09 | | | | | |
| 324JM/JP | 14.88 | 12.68 | 8 | 6.25 | 10.5 | 0.66 | 16.77 | 17.75 | 2.36 | NPT 2 | 14.37 | 24.76 | 11 | 12.5 | 5.25 | 0.31 | 14 |
| 326JM/JP | | 14.17 | | | 12 | | | | | | | 26.38 | | | | | |
| 364JM/JP | 16.4 | 14.4 | 9 | 7 | 11.25 | 0.66 | 18.5 | 19.1 | 2.8 | NPT 3 | 17.32 | 26.97 | 11 | 12.5 | 5.88 | 0.31 | 14 |
| 365JM/JP | | 15.4 | | | 12.25 | | | | | | | 27.95 | | | | | |

(Continued)

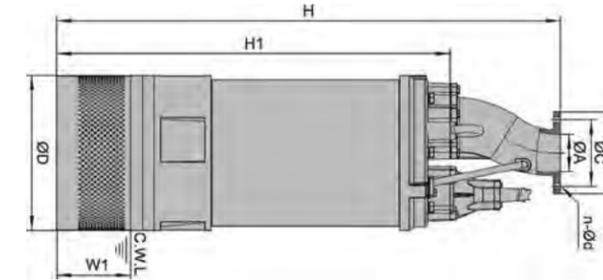
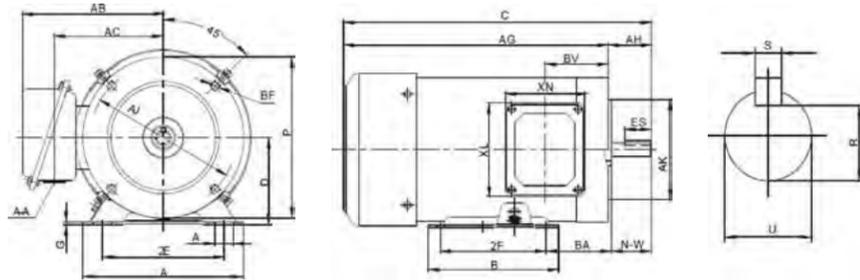
| FRAME | C | R | S | U | AH | EL | EM | EN | EP | EQ | ER | ES | ET | TH |
|-------|-------|------|------|-------|------|------|-------|---------------|------|------|------|------|------|------|
| 143JM | 14.53 | 0.77 | 0.19 | 0.874 | 4.25 | 1156 | 1 | 3/8-16 x 0.75 | 116 | 0.62 | 4.25 | 1.66 | 2.87 | 0.19 |
| 145JM | 15.51 | | | | | 1156 | | | 116 | | | | | |
| 182JM | 16.17 | | | | | 1.25 | | | 1.25 | | | | | |
| 184JM | 17.15 | | | | | 1.25 | | | 1.25 | | | | | |
| 213JM | 19.17 | | | | | 1.25 | | | 1.75 | | | | | |
| 215JM | 20.66 | | | | | 1.25 | | | 1.75 | | | | | |
| 254JM | 24.96 | 1.11 | 0.25 | 1.249 | 5.25 | 1.75 | 1.375 | 1/2-13 x 1 | 1.75 | 5.25 | 2.53 | 3 | 0.25 | |
| 256JM | 26.66 | | | | | 1.75 | | | 1.75 | | | | | |
| 284JM | 27.84 | | | | | 1.75 | | | 2.13 | | | | | |
| 286JM | 29.34 | | | | | 1.75 | | | 2.13 | | | | | |
| 324JM | 30.01 | | | | | 1.75 | | | 2.13 | | | | | |
| 326JM | 31.63 | | | | | 1.75 | | | 2.13 | | | | | |

| FRAME | C | R | S | U | AH | EL | EM | EN | EP | EQ | ER | ES | ET | TH | |
|-------|-------|------|-------|-------|------|-------|-------|---------------|------|------|------|------|------|-------|-------|
| 143JP | 17.59 | 0.77 | 0.19 | 0.874 | 7.31 | 1156 | 1 | 3/8-16 x 0.75 | 116 | 1.56 | 7.31 | 1.66 | 5.93 | 0.19 | |
| 145JP | 18.57 | | | | | 1.25 | | | 1.25 | | | | | | |
| 182JP | 19.23 | | | | | 1.25 | | | 1.25 | | | | | | |
| 184JP | 20.21 | | | | | 1.25 | | | 1.25 | | | | | | |
| 213JP | 23.04 | 1.11 | 0.25 | 1.249 | 8.12 | 1.75 | 1.375 | 1/2-13 x 1 | 1.75 | 2.37 | 8.12 | 2.53 | 5.87 | 0.25 | |
| 215JP | 24.53 | | | | | | | | 1.75 | | | | | | 1.75 |
| 254JP | 27.83 | | | | | | | | 1.75 | | | | | | 1.75 |
| 256JP | 29.53 | | | | | | | | 1.75 | | | | | | 1.75 |
| 284JP | 30.71 | | | | | | | | 1.75 | | | | | | 2.125 |
| 286JP | 32.21 | | | | | | | | 1.75 | | | | | | 2.125 |
| 324JP | 32.88 | 1.41 | 0.375 | 1.624 | 8.12 | 2.125 | 1.75 | 1/2-13 x 1 | 2.5 | 2.37 | 8.12 | 2.53 | 5.87 | 0.375 | |
| 326JP | 34.5 | | | | | | | | 2.5 | | | | | | 2.5 |
| 364JP | 35.09 | | | | | | | | 2.5 | | | | | | 2.5 |
| 365JP | 36.07 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | |

Stainless Steel TEFC Motors

C-Face / 56C to 215TC Frame

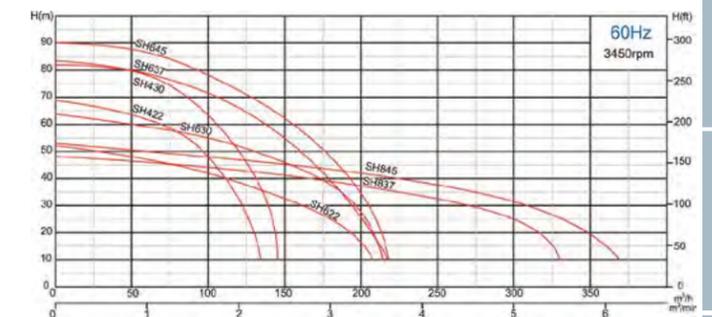
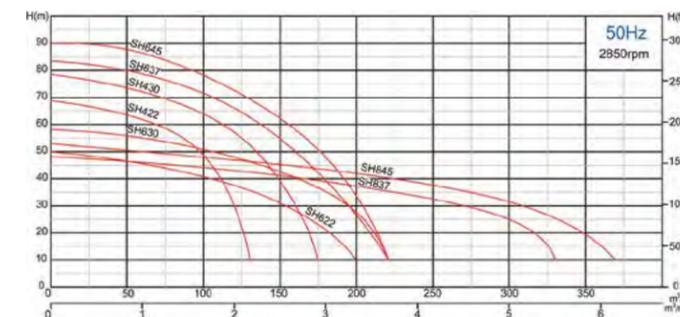
SH Series Submersible HD Pumps



| FRAME | MOUNTING | | | | | | CONDUIT BOX | | | | | MOTOR | | | | | | KEYSEAT | | | | BEARINGS | | |
|-------|----------|-----|------|------|-----|---------|-------------|------|------|------|------|-------|-------|------|-----|------|-------|---------|-------|-------|-------|----------|-------|-------|
| | A | B | D | E | 2F | H | BA | AA | AB | AC | XN | XL | C | N-W | P | AH | AJ | AK | R | S | U | ES | ODE | DE |
| 56C | 6.5 | 6.5 | 3.5 | 2.44 | 3 | 1.22x34 | 2.75 | 0.86 | 5.75 | 4.25 | 3.8 | 4.72 | 11.59 | 1.88 | 6.5 | 2.06 | 5.875 | 4.5 | 0.517 | 0.188 | 0.625 | 1.41 | 6205Z | 6205Z |
| 143TC | 6.5 | 6.5 | 3.5 | 2.75 | 4 | 1.22x34 | 2.75 | 0.86 | 5.75 | 4.25 | 3.8 | 4.72 | 12.63 | 1.88 | 6.5 | 2.12 | 5.875 | 4.5 | 0.517 | 0.188 | 0.625 | 1.41 | 6205Z | 6205Z |
| 145TC | | | | | | | | | | | | | 13.68 | | | | | | 0.771 | | 0.875 | | | |
| 182TC | 8.8 | 6.5 | 4.5 | 3.75 | 4.5 | 0.71x47 | 3.5 | 0.94 | 7 | 5.3 | 4.05 | 4.45 | 16.4 | 2.75 | 8.9 | 2.62 | 7.25 | 8.5 | 0.986 | 0.25 | 1.125 | 1.78 | 6307Z | 6308Z |
| 184TC | | | | | | | | | | | | | 16.4 | | | | | | | | | | | |
| 213TC | 10 | 8.5 | 5.25 | 4.25 | 5.5 | 0.71x47 | 4.25 | 0.94 | 7.6 | 6.2 | 4.05 | 4.45 | 21.5 | 3.38 | 10 | 3.12 | 7.25 | 8.5 | 1.201 | 0.312 | 1.375 | 2.41 | 6308Z | 6308Z |
| 215TC | | | | | 7 | | | | | | | | 22.3 | | | | | | | | | | | |

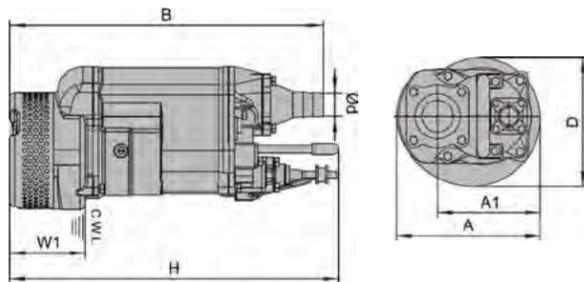
| MODEL 50/60Hz | A | B | C | N-OD | D | H | H1 | W1 | WT (NET) | WT (GROSS) | PACKING |
|---------------|-----|-----|-----|--------|-----|------|------|-----|----------|------------|------------------|
| SH422 | 100 | 180 | 220 | 8-0175 | 420 | 1374 | 1072 | 240 | 816 | 904 | 620 x 740 x 1540 |
| SH430 | | | | | | | | | 827 | 915 | |
| SH622 | 150 | 240 | 285 | 8-022 | 420 | 1434 | 1082 | 250 | 849 | 937 | 620 x 740 x 1600 |
| SH630 | | | | | | | | | 860 | 948 | |
| SH637 | | | | | | | | | 1257 | 1356 | 680 x 740 x 1650 |
| SH645 | | | | | | | | | 1268 | 1367 | |
| SH837 | 200 | 295 | 340 | 12-022 | 530 | 1474 | 1072 | 180 | 1268 | 1378 | 680 x 740 x 1700 |
| SH845 | | | | | | | | | 1279 | 1389 | |

PERFORMANCE CURVES



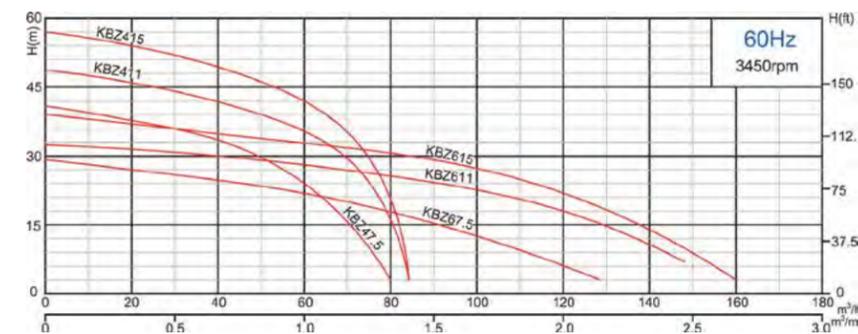
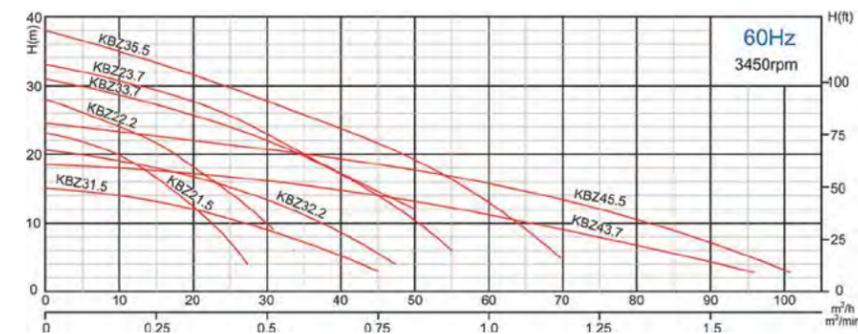
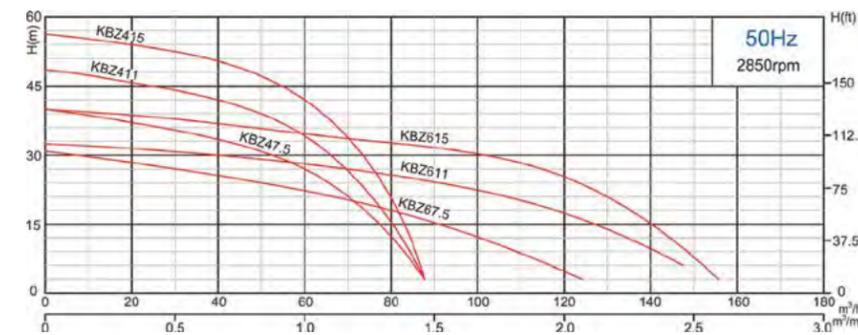
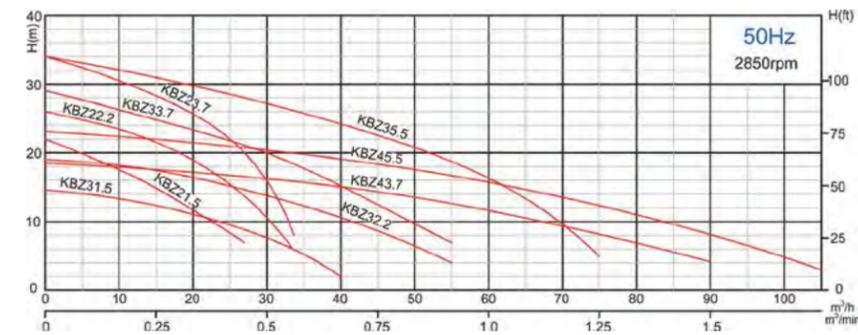
KBZ Series Submersible Drainage Pump

(Continued)



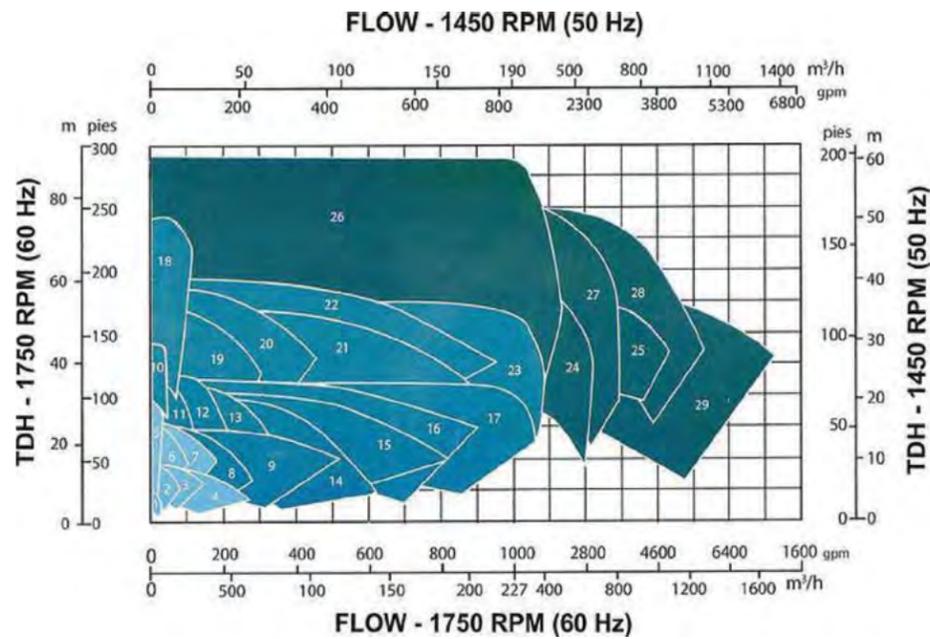
| MODEL 50/60Hz | A | B | OD | D | H | A1 | W1 | WT (NET) | WT (GROSS) | PACKING |
|---------------|-----|-----|-----|-----|-----|-----|-----|----------|------------|-----------------|
| KBZ21.5 | 235 | 535 | 50 | 216 | 505 | 173 | 120 | 79 | 88 | 610 x 365 x 365 |
| KBZ31.5 | | 535 | 80 | | | | | | | |
| KBZ22.2 | | 535 | 50 | | | | | | | |
| KBZ32.2 | | 535 | 80 | | | | | | | |
| KBZ23.7 | 283 | 628 | 50 | 252 | 629 | 208 | 150 | 139 | 150 | 710 x 320 x 295 |
| KBZ33.7 | | 628 | 80 | | | | | | | |
| KBZ43.7 | | 642 | 100 | | | | | | | |
| KBZ35.5 | 283 | 671 | 80 | 252 | 590 | 208 | 150 | 170 | 185 | 750 x 350 x 360 |
| KBZ45.5 | | 686 | 100 | | | | | | | |
| KBZ47.5 | 330 | 764 | 100 | 314 | 676 | 240 | 190 | 234 | 256 | 835 x 365 x 385 |
| KBZ67.5 | | 790 | 150 | | | | | 238 | 262 | 865 x 365 x 385 |
| KBZ411 | 373 | 807 | 100 | 350 | 695 | 255 | 190 | 300 | 326 | 885 x 415 x 435 |

PERFORMANCE CURVES



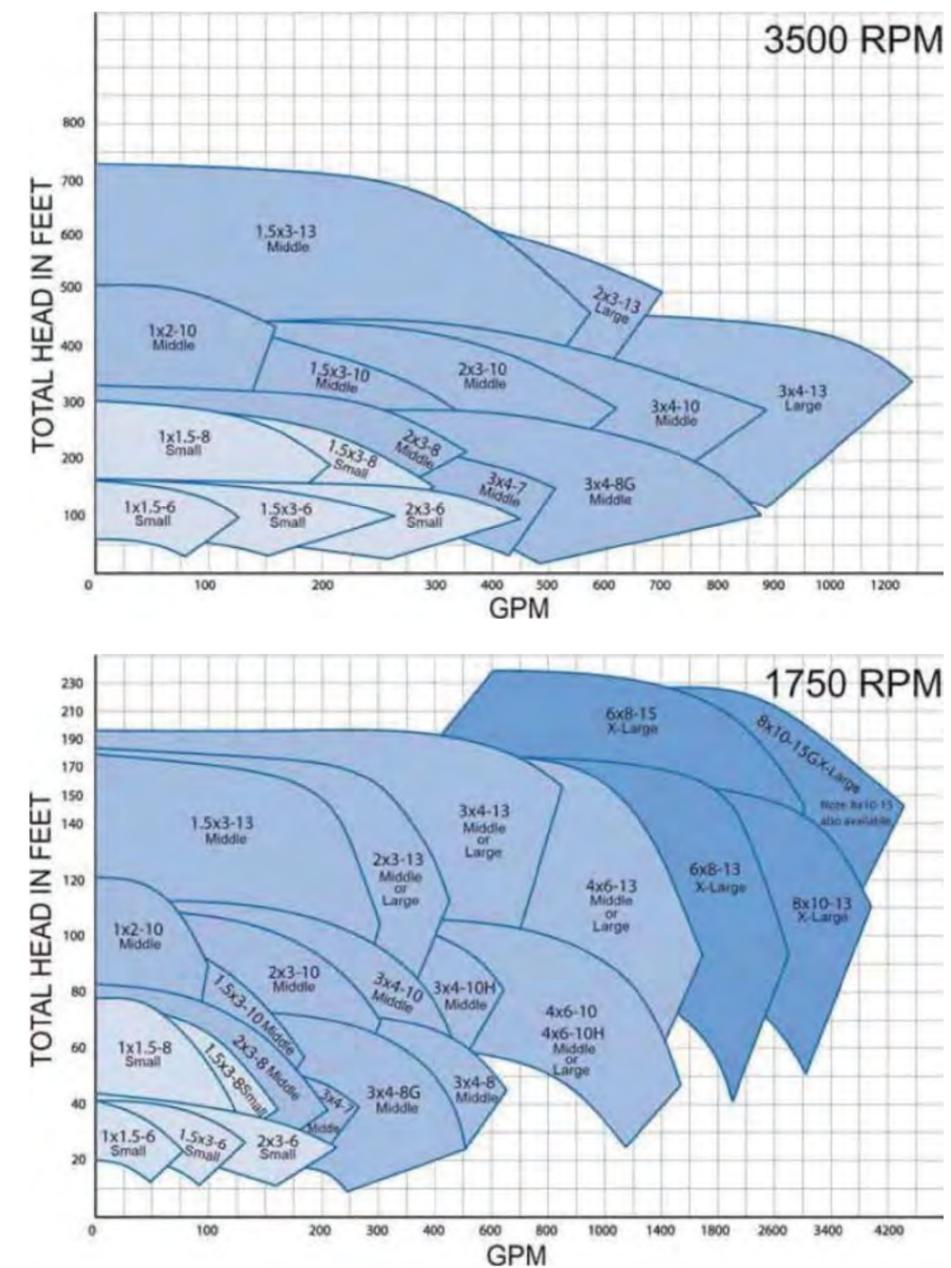
MP-3 ANSI Centrifugal Pumps

Performance Graph



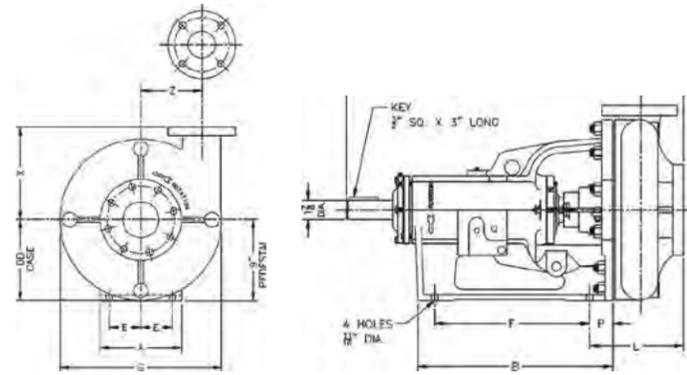
MP-6913 ANSI Centrifugal Pumps

Performance Graph



MP-MAG-I Centrifugal Pumps

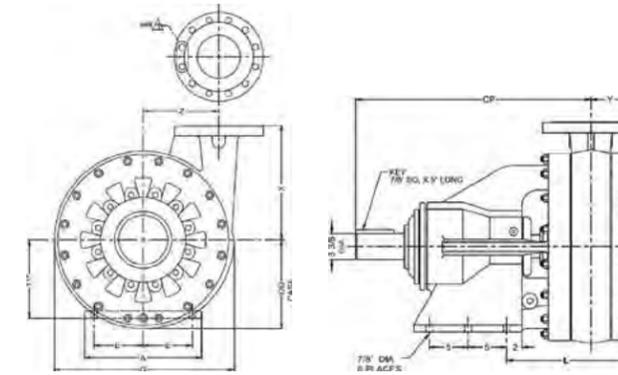
3x2x13 to 10x8x14 Size



| SIZE | SUCTION FLANGES | | DISCHARGE FLANGES | | A | B | E | F | G | L | P | X | Y | Z | CP | DD | WT |
|---------|-----------------|---------------------------|-------------------|---------------------------|---|--------|-------|---------|---------|----------|--------|---------|---------|-------|--------|---------|---------|
| | SIZE | DRILLING | SIZE | DRILLING | | | | | | | | | | | | | |
| 3x2x13 | 3 | 4 Holes, 3/4 D, 6 BC | 2 | 4 Holes, 3/4 D, 4-3/4 BC | 9 | 19-5/8 | 3-1/2 | 15-7/16 | 17-7/8 | 8-3/4 | 2-5/16 | 10-1/4 | 3-3/4 | 7 | 29-1/4 | 9 | 440 lbs |
| 4x3x13 | 4 | 8 Holes, 3/4 D, 7-1/2 BC | 3 | 4 Holes, 3/4 D, 6 BC | | | | | 17-7/8 | 9-3/8 | | 10-1/4 | 4-1/4 | 6-3/4 | 29-3/8 | 9 | 436 lbs |
| 5x4x14 | 5 | 8 Holes, 7/8 D, 8-1/2 BC | 4 | 8 Holes, 3/4 D, 7-1/2 BC | | | | | 19 | 10-3/4 | | 11 | 5 | 6-1/8 | 30 | 9-11/16 | 485 lbs |
| 6x5x11 | 6 | 8 Holes, 7/8 D, 9-1/2 BC | 5 | 8 Holes, 7/8 D, 8-1/2 BC | | | | | 17-7/8 | 12-1/16 | | 11 | 5-3/4 | 6 | 30-5/8 | 9 | 507 lbs |
| 6x5x14 | 6 | 8 Holes, 7/8 D, 9-1/2 BC | 5 | 8 Holes, 7/8 D, 8-1/2 BC | | | | | 21 | 12-1/16 | | 11 | 5-3/4 | 6 | 30-5/8 | 10-1/2 | 550 lbs |
| 8x6x11 | 8 | 8 Holes, 7/8 D, 11-3/4 BC | 6 | 8 Holes, 7/8 D, 9-1/2 BC | | | | | 20 | 13-1/4 | | 14 | 6-1/4 | 8-3/8 | 31-1/4 | 10 | 583 lbs |
| 8x6x14 | 8 | 8 Holes, 7/8 D, 11-3/4 BC | 6 | 8 Holes, 7/8 D, 9-1/2 BC | | | | | 23-9/16 | 13-1/4 | | 14 | 6-1/4 | 8-3/8 | 31-1/4 | 12 | 616 lbs |
| 10x8x14 | 10 | 12 Holes, 1 D, 14-1/4 BC | 8 | 8 Holes, 7/8 D, 11-3/4 BC | | | | | 22-3/8 | 13-11/16 | | 14-3/16 | 6-11/16 | 8 | 31-1/4 | 11-3/16 | 810 lbs |

MP-MAG-XP Centrifugal Pumps

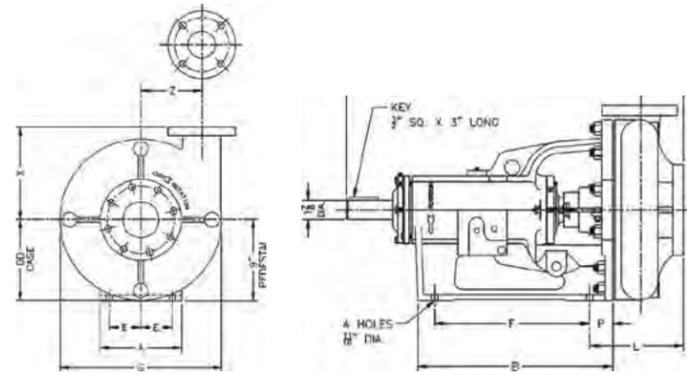
8x6 XP to 14x12 XP Size



| SIZE | SUCTION FLANGES | | DISCHARGE FLANGES | | A | E | G | L | X | Y | Z | CP | DD | WT |
|------------|-----------------|---------------------------------|-------------------|----------------------------|----------|-------|--------|----------|---------|---------|----------|----------|----------|----------|
| | SIZE | DRILLING | SIZE | DRILLING | | | | | | | | | | |
| 8 x 6 XP | 8 | 12 Holes, 7/8 -9UNC-2B, 13 BC | 6 | 12 Holes, 7/8 D, 10-5/8 BC | 16-13/32 | 6-7/8 | 25-1/4 | 16-1/32 | 16 | 5-5/32 | 10-19/32 | 30-13/32 | 12-7/16 | 1200 lbs |
| 10 x 12 XP | 12 | 12 Holes, 3/4 -10UNC-2B, 17 BC | 10 | 12 Holes, 1 D, 14-1/4 BC | | | 33-5/8 | 18-11/16 | 22 | 6-15/16 | 13-1/2 | 31-1/2 | 16-13/16 | 1950 lbs |
| 14 x 12 XP | 14 | 12 Holes, 1 -8UNC-2B, 18-3/4 BC | 12 | - | | | 37-3/4 | 18-3/8 | 19-7/16 | 6-5/8 | 14-9/16 | 31-3/16 | 18-3/16 | 1850 lbs |

MP-2500 Centrifugal Pumps

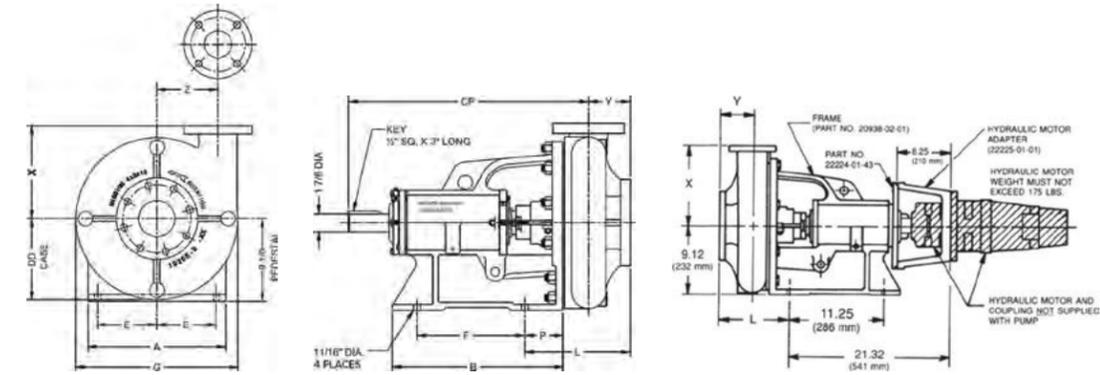
3x2x13 to 10x8x14 Size



| SIZE | SUCTION FLANGES | | DISCHARGE FLANGES | | A | B | E | F | G | L | P | X | Y | Z | CP | DD | WT |
|---------|-----------------|---------------------------|-------------------|---------------------------|---|--------|-------|---------|---------|----------|--------|---------|---------|-------|--------|---------|---------|
| | SIZE | DRILLING | SIZE | DRILLING | | | | | | | | | | | | | |
| 3x2x13 | 3 | 4 Holes, 3/4 D, 6 BC | 2 | 4 Holes, 3/4 D, 4-3/4 BC | 9 | 19-5/8 | 3-1/2 | 15-7/16 | 17-7/8 | 8-3/4 | 2-5/16 | 10-1/4 | 3-3/4 | 7 | 29-1/4 | 9 | 440 lbs |
| 4x3x13 | 4 | 8 Holes, 3/4 D, 7-1/2 BC | 3 | 4 Holes, 3/4 D, 6 BC | | | | | 17-7/8 | 9-3/8 | | 10-1/4 | 4-1/4 | 6-3/4 | 29-3/8 | 9 | 436 lbs |
| 5x4x14 | 5 | 8 Holes, 7/8 D, 8-1/2 BC | 4 | 8 Holes, 3/4 D, 7-1/2 BC | | | | | 19 | 10-3/4 | | 11 | 5 | 6-1/8 | 30 | 9-11/16 | 485 lbs |
| 6x5x11 | 6 | 8 Holes, 7/8 D, 9-1/2 BC | 5 | 8 Holes, 7/8 D, 8-1/2 BC | | | | | 17-7/8 | 12-1/16 | | 11 | 5-3/4 | 6 | 30-5/8 | 9 | 507 lbs |
| 6x5x14 | 6 | 8 Holes, 7/8 D, 9-1/2 BC | 5 | 8 Holes, 7/8 D, 8-1/2 BC | | | | | 21 | 12-1/16 | | 11 | 5-3/4 | 6 | 30-5/8 | 10-1/2 | 550 lbs |
| 8x6x11 | 8 | 8 Holes, 7/8 D, 11-3/4 BC | 6 | 8 Holes, 7/8 D, 9-1/2 BC | | | | | 20 | 13-1/4 | | 14 | 6-1/4 | 8-3/8 | 31-1/4 | 10 | 583 lbs |
| 8x6x14 | 8 | 8 Holes, 7/8 D, 11-3/4 BC | 6 | 8 Holes, 7/8 D, 9-1/2 BC | | | | | 23-9/16 | 13-1/4 | | 14 | 6-1/4 | 8-3/8 | 31-1/4 | 12 | 616 lbs |
| 10x8x14 | 10 | 12 Holes, 1 D, 14-1/4 BC | 8 | 8 Holes, 7/8 D, 11-3/4 BC | | | | | 22-3/8 | 13-11/16 | | 14-3/16 | 6-11/16 | 8 | 31-1/4 | 11-3/16 | 810 lbs |

MP-SandM Centrifugal Pumps

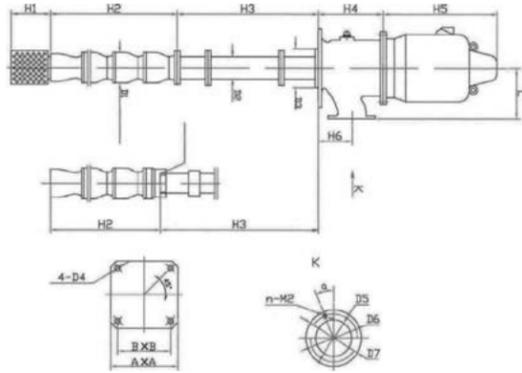
3x2x13 to 10x8x14 Size



| SIZE | SUCTION FLANGES | | DISCHARGE FLANGES | | A | B | E | F | G | L | P | X | Y | Z | CP | DD | WT |
|-------------|-----------------|---------------------------|-------------------|---------------------------|--------|--------|--------|--------|---------|----------|---|---------|---------|-------|----------|----------|---------|
| | SIZE | DRILLING | SIZE | DRILLING | | | | | | | | | | | | | |
| 3 x 2 x 13 | 3 | 4 Holes, 3/4 D, 6 BC | 2 | 4 Holes, 3/4 D, 4-3/4 BC | 15-1/4 | 14-3/4 | 6-9/16 | 11-1/4 | 17-7/8 | 10-7/16 | 4 | 10-1/4 | 3-3/4 | 7 | 25-1/16 | 8-15/16 | 475 lbs |
| 4 x 3 x 13 | 4 | 8 Holes, 3/4 D, 7-1/2 BC | 3 | 4 Holes, 3/4 D, 6 BC | | | | | 17-7/8 | 11-1/16 | | 10-1/4 | 4-1/4 | 6-3/4 | 25-1/8 | 8-15/16 | 491 lbs |
| 5 x 4 x 14 | 5 | 8 Holes, 7/8 D, 8-1/2 BC | 4 | 8 Holes, 3/4 D, 7-1/2 BC | | | | | 19 | 12-7/16 | | 11 | 5 | 6-1/8 | 25-13/16 | 9-1/2 | 520 lbs |
| 6 x 5 x 11 | 6 | 8 Holes, 7/8 D, 9-1/2 BC | 5 | 8 Holes, 7/8 D, 8-1/2 BC | | | | | 17-7/8 | 13-3/4 | | 11 | 5-3/4 | 6 | 26-3/8 | 8-15/16 | 550 lbs |
| 6 x 5 x 14 | 6 | 8 Holes, 7/8 D, 9-1/2 BC | 5 | 8 Holes, 7/8 D, 8-1/2 BC | | | | | 21 | 13-3/4 | | 11 | 5-3/4 | 6 | 26-3/8 | 10-1/2 | 609 lbs |
| 8 x 6 x 11 | 8 | 8 Holes, 7/8 D, 11-3/4 BC | 6 | 8 Holes, 7/8 D, 9-1/2 BC | | | | | 20 | 14-15/16 | | 14 | 6-1/4 | 8-3/8 | 27-1/16 | 10 | 659 lbs |
| 8 x 6 x 14 | 8 | 8 Holes, 7/8 D, 11-3/4 BC | 6 | 8 Holes, 7/8 D, 9-1/2 BC | | | | | 23-9/16 | 14-15/16 | | 14 | 6-1/4 | 8-3/8 | 27-1/16 | 11-13/16 | 701 lbs |
| 10 x 8 x 14 | 10 | 12 Holes, 1 D, 14-1/4 BC | 8 | 8 Holes, 7/8 D, 11-3/4 BC | | | | | 22-3/8 | 15-3/8 | | 14-3/16 | 6-11/16 | 8 | 27-1/16 | 11-3/16 | 705 lbs |

MP-LJC Vertical Pumps

100MPLJC10-4 to 350MPLJC400-18 Size



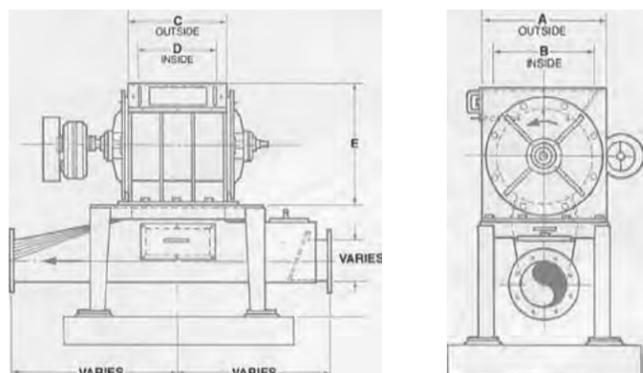
| MODEL | I | A | B | D1 | D2 | D3 | D4 | D5 | D6 | D7 | H1 | H2 | H3 | H4 | H5 | H6 | L | M1 | M2 | n | a |
|-----------------|----|-----|-------|-----|-----|-----|----|-----|-----|-----|-----|------|----|-----|-----|-------|-----|-----------|-----|---|-------|
| 100MPLJC10-4 | 10 | | | | | | | | | | | 1175 | - | | | | | M16 x 300 | M12 | 6 | 30° |
| | 13 | | | | | | | | | | | 1460 | - | | | | | | | | |
| | 18 | 335 | 251.4 | 92 | 76 | 200 | 19 | 102 | 186 | 228 | 400 | 1935 | - | 343 | 573 | 127 | 228 | | | | |
| | 23 | | | | | | | | | | | 2410 | - | | | | | | | | |
| | 26 | | | | | | | | | | | 2885 | - | | | | | | | | |
| 150MPLJC10-9 | 12 | 335 | 251.4 | | | 190 | | 102 | 186 | 228 | | 1665 | - | 343 | 573 | 127 | 228 | M16 x 300 | M12 | 6 | 30° |
| | 16 | | | 150 | 89 | | | | | | 400 | 2105 | - | 394 | 807 | 171.5 | 305 | | M16 | 8 | 22.5° |
| | 20 | 508 | 382 | | | 280 | 19 | 155 | 235 | 280 | | 2545 | - | | | | | | | | |
| 150MPLJC20-11 | 5 | 335 | 251.4 | | | 190 | | 102 | 186 | 228 | | 822 | - | 343 | 573 | 127 | 228 | | M12 | 6 | 30° |
| | 7 | | | | | | | | | | 400 | 1082 | - | | | | | | | | |
| | 9 | | | 150 | 89 | | | | | | | 1342 | - | 394 | 807 | 171.5 | 305 | | M16 | 8 | 22.5° |
| | 12 | 508 | 382 | | | 280 | | 155 | 235 | 280 | | 1732 | - | | | | | | | | |
| 150MPLJC30-12.5 | 6 | | | | | | | | | | | 952 | - | | 807 | | | | | | |
| | 9 | 508 | 382 | 150 | 114 | 280 | 19 | 155 | 235 | 280 | 400 | 1212 | - | 394 | | 171.5 | 305 | M16 x 300 | M16 | 8 | 22.5° |
| | 10 | | | | | | | | | | | 1472 | - | | 850 | | | | | | |
| | 12 | | | | | | | | | | | 1732 | - | | | | | | | | |
| 150MPLJC40-13.5 | 4 | | | | | | | | | | | 692 | - | | 807 | | | | | | |
| | 6 | | | | | | | | | | | 952 | - | 394 | | 171.5 | 305 | M16 x 300 | M16 | 8 | 22.5° |
| | 8 | 508 | 382 | 150 | 114 | 280 | 19 | 155 | 235 | 280 | 400 | 1212 | - | | 850 | | | | | | |
| | 9 | | | | | | | | | | | 1342 | - | | | | | | | | |
| 150MPLJC50-13 | 4 | | | | | | | | | | | 662 | - | | 807 | | | | | | |
| | 5 | | | | | | | | | | | 792 | - | | | | | | | | |
| | 6 | 508 | 382 | 150 | 114 | 280 | 19 | 155 | 235 | 280 | 400 | 922 | - | 394 | | 171.5 | 305 | M16 x 300 | M16 | 8 | 22.5° |
| | 7 | | | | | | | | | | | 1052 | - | | 850 | | | | | | |
| | 8 | | | | | | | | | | | 1182 | - | | | | | | | | |
| 200MPLJC60-20 | 2 | | | | | | | | | | | 534 | - | | 807 | | | | | | |
| | 3 | | | | | | | | | | | 696 | - | 393 | | 171.5 | 305 | M16 x 300 | M16 | 8 | 22.5° |
| | 4 | 508 | 382 | 181 | 159 | 280 | 19 | 155 | 235 | 280 | 400 | 858 | - | | 850 | | | | | | |
| | 5 | | | | | | | | | | | 1020 | - | | | | | | | | |
| | 6 | | | | | | | | | | | 1182 | - | 454 | 955 | | | | | | |
| | 7 | | | | | | | | | | | 1344 | - | | | | | | | | |

(Continued)

| MODEL | I | A | B | D1 | D2 | D3 | D4 | D5 | D6 | D7 | H1 | H2 | H3 | H4 | H5 | H6 | L | M1 | M2 | n | a |
|------------------|----|-----|-----|-------|-----|-----|----|-----|-----|-----|-----|------|----|-------|------|-------|-----|-----------|-----|----|-------|
| 200MPLJC80-22.5 | 2 | | | | | | | | | | | 534 | - | 394 | 807 | | | | | | |
| | 3 | | | | | | | | | | | 696 | - | | 850 | 171.5 | 305 | M16 x 300 | M16 | 8 | 22.5° |
| | 4 | 508 | 382 | 181 | 159 | 280 | 19 | 155 | 235 | 280 | 400 | 858 | - | 454 | 955 | | | | | | |
| | 5 | | | | | | | | | | | 1020 | - | | | | | | | | |
| | 5 | | | | | | | | | | | 549 | - | 394 | 807 | | | | | | |
| 200MPLJC90-20 | 2 | | | | | | | | | | | 714 | - | | 850 | 171.5 | 305 | M16 x 300 | M16 | 8 | 22.5° |
| | 3 | 508 | 382 | 190.5 | 159 | 280 | 19 | 155 | 235 | 280 | 400 | 879 | - | 454 | 955 | | | | | | |
| | 4 | | | | | | | | | | | 1044 | - | | | | | | | | |
| | 5 | | | | | | | | | | | 384 | - | 394 | 807 | | | | | | |
| 200MPLJC125-18 | 1 | | | | | | | | | | | 549 | - | | 850 | 171.5 | 305 | M16 x 300 | M16 | 8 | 22.5° |
| | 2 | 508 | 382 | 190.5 | 159 | 280 | 19 | 155 | 235 | 280 | 400 | 714 | - | 454 | 955 | | | | | | |
| | 3 | | | | | | | | | | | 879 | - | | | | | | | | |
| 250MPLJC130-8.5 | 4 | | | | | | | | | | | 1176 | - | | 850 | | | | | | |
| | 6 | | | | | | | | | | | 1603 | - | 454 | 955 | 171.5 | 305 | M16 x 300 | M16 | 8 | 22.5° |
| | 8 | 508 | 382 | 242 | 194 | 292 | 19 | 155 | 235 | 280 | 470 | 2029 | - | | | | | | | | |
| | 10 | | | | | | | | | | | 2456 | - | | | | | | | | |
| | 12 | | | | | | | | | | | 2883 | - | 564.5 | 1084 | 190.5 | 330 | | | | |
| | 12 | | | | | | | | | | | 320 | - | | | | | | | | |
| 300MPLJC160-11.5 | 4 | | | | | | | | | | | 1293 | - | 454 | 955 | 171.5 | 305 | | | | |
| | 6 | | | | | | | | | | | 1781 | - | | | | | | | | |
| | 8 | 508 | 382 | 295 | 194 | 292 | 19 | 155 | 235 | 280 | 470 | 2269 | - | 565 | 1084 | 190.5 | 330 | M16 x 300 | M16 | 8 | 22.5° |
| | 10 | | | | | | | | | | | 2757 | - | | | | | | | | |
| 300MPLJC185-12 | 2 | | | | | | | | | | | 805 | - | | 850 | | | | | | |
| | 3 | | | | | | | | | | | 1049 | - | 454 | 955 | 171.5 | 305 | | | | |
| | 5 | 508 | 382 | 295 | 194 | 292 | 19 | 155 | 235 | 280 | 470 | 1537 | - | | | | | M16 x 300 | M16 | 8 | 22.5° |
| | 6 | | | | | | | | | | | 1781 | - | | | | | | | | |
| | 8 | | | | | | | | | | | 2269 | - | 565 | 1084 | 190.5 | 330 | | | | |
| 300MPLJC220-13.5 | 2 | | | | | | | | | | | 805 | - | 454 | 850 | 171.5 | 305 | | | | |
| | 4 | | | | | | | | | | | 1293 | - | | 955 | | | | | | |
| | 5 | 508 | 382 | 295 | 194 | 292 | 19 | 155 | 235 | 280 | 470 | 1537 | - | | | | | M16 x 300 | M20 | 8 | 15° |
| | 6 | | | | | | | | | | | 1781 | - | 565 | 1084 | 190.5 | 330 | | | | |
| 350MPLJC300-15 | 2 | | | | | | | | | | | 851 | - | | 955 | | | | | | |
| | 3 | | | | | | | | | | | 1143 | - | 470 | 1049 | 245 | 355 | M20 x 300 | M20 | 12 | 15° |
| | 5 | 560 | 408 | 346 | 219 | 405 | 23 | 257 | 350 | 395 | 470 | 1727 | - | | | | | | | | |
| | 7 | | | | | | | | | | | 2311 | - | | 1140 | | | | | | |
| 350MPLJC370-16 | 1 | | | | | | | | | | | 559 | - | | 955 | | | | | | |
| | 2 | | | | | | | | | | | 851 | - | | | | | | | | |
| | 3 | | | | | | | | | | | 1143 | - | 470 | 1049 | 245 | 355 | M20 x 300 | M20 | 12 | 15° |
| | 4 | 560 | 408 | 346 | 219 | 405 | 23 | 257 | 350 | 395 | 470 | 1435 | - | | | | | | | | |
| | 5 | | | | | | | | | | | 1727 | - | | 1140 | | | | | | |
| | 6 | | | | | | | | | | | 2019 | - | | | | | | | | |
| 350MPLJC400-18 | 1 | | | | | | | | | | | 559 | - | | 955 | | | | | | |
| | 2 | | | | | | | | | | | 851 | - | | 1049 | 245 | 355 | M20 x 300 | M20 | 12 | 15° |
| | 3 | 560 | 408 | 346 | 219 | 405 | 23 | 257 | 350 | 395 | 470 | 1143 | - | 470 | | | | | | | |
| | 4 | | | | | | | | | | | 1435 | - | | 1140 | | | | | | |
| | 5 | | | | | | | | | | | 1727 | - | | | | | | | | |

Rotary Feeder Assembly

12x16 to 45x55 Size



| SIZE | A | B | C | D | E |
|-----------|-----|-----|--------|--------|-----|
| 12" x 16" | 16" | 13" | 17" | 13" | 15" |
| 14" x 18" | 18" | 15" | 19" | 15" | 18" |
| 16" x 20" | 20" | 16" | 21" | 17" | 21" |
| 20" x 20" | 25" | 21" | 21.25" | 17.25" | 26" |
| 20" x 25" | 25" | 21" | 26.25" | 22.25" | 26" |
| 20" x 30" | 25" | 21" | 31.25" | 27.25" | 26" |
| 25" x 30" | 31" | 26" | 31.25" | 26.25" | 32" |
| 25" x 35" | 31" | 26" | 36.25" | 31.25" | 32" |
| 30" x 30" | 38" | 32" | 31.25" | 25.25" | 38" |
| 30" x 35" | 38" | 32" | 36.25" | 30.25" | 38" |
| 30" x 40" | 38" | 32" | 41.25" | 35.25" | 38" |
| 30" x 45" | 38" | 32" | 46.25" | 40.25" | 38" |
| 35" x 45" | 44" | 36" | 48" | 42" | 44" |
| 35" x 50" | 44" | 36" | 53" | 47" | 44" |
| 35" x 55" | 44" | 36" | 58" | 52" | 44" |
| 45" x 45" | 55" | 43" | 47" | 40" | 54" |
| 45" x 50" | 55" | 43" | 52" | 45" | 54" |
| 45" x 55" | 55" | 43" | 57" | 50" | 54" |



(888) 384-2111 840 Gessner Rd, Ste 950, Houston, TX 77024 ISS-NA.com

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