

Compressor Motors

FHP & IHP Single Phase
FHP & IHP Three Phase
TITAN® Horizontal Motors



OEM Customized Designs

Application Engineering Expertise

Providing Business and eSolutions

OEM Customized Designs:

Nidec Motor Corporation offers a wide range of motors specifically designed to meet the unique needs of compressor applications. We supply motors to a wide variety of reciprocating, rotary screw, and centrifugal compressor OEM's — as well as compressor assemblers, engineering and design firms. We understand the unique challenges of powering compressors, from specialized bearings and shafts to managing starting and breakdown torques.

Application Engineering:

Nidec's application engineering team offers the ability to create custom products and solutions specific for each application. Whether building a brand new product or redesigning an existing line for better performance and reliability, Nidec has the technical engineering team that can offer the perfect solution.

Business and eSolutions:

MotorBoss® Product Information Resource:

Our online commerce portal is available to registered users to check stock and place orders, 24/7/365. For more information go to www.motorboss.com.

eCatalog:

Get specifications and technical data on all U.S. MOTORS® stock motor ratings, plus find the current motor to replace an out-of-date model or a competitor's motor. For more information, go to ecatalog.motorboss.com.



Nidec
NIDEC MOTOR CORPORATION

8050 W. Florissant Avenue | St. Louis, MO 63136

Phone: 314-595-8000 | Fax: 314-595-8045

www.nidec-motor.com

Nidec Motor Corporation, © 2018. All Rights Reserved.
U.S. MOTORS® is a registered trademark of Nidec Motor Corporation.
Nidec Motor Corporation trademarks followed by the ® symbol are
registered with the U.S. Patent and Trademark Office.

Compressor Motors

U.S. MOTORS® brand, manufactured by Nidec Motor Corporation, is one of the oldest and most respected brands in the motor industry. Since 1908, our brand has stood for exceptional product reliability and performance. Today, it is recognized worldwide as the mark of leadership and technological innovation in industrial motors. If our extensive stock motor inventory won't fit your needs, our Commercial Engineering group can customize or design a product specifically for your application.



FHP & IHP Single Phase

- ODP/TEFC enclosures
- 0.25 HP to 10 HP
- 60 hertz; 50 hertz available
- 115/208-230V
- 3600, 1800 RPM
- Frame 48, 56, 140, 180, 210 NEMA
- High starting and break down torque
- Class F and Class B insulation
- High efficiency capacitor start/capacitor run designs
- Continuous duty at nameplate ratings
- Low amp draw designs for 115V/60 Hz applications
- Ball bearings
- Long life start switch and centrifugal mechanism
- Thermal protection; manual reset or auto-reset
- UL Recognized and CSA Certified



FHP & IHP Three Phase

- ODP/TEFC enclosures
- 0.25 HP to 400 HP
- 60 hertz; 50 hertz available
- 208-230/460V, 200V & 575V available
- 3600, 1800, 1200, 900 RPM
- Frame 48-449
- Class F insulation
- 1.15 service factor
- Double shielded bearings
- Thermal protection available
- UL Recognized and CSA Certified

FASTRACK
Engineered
to Order
Program

Engineer, build, and ship in three weeks for delivery in less than four weeks. Available on 3-phase horizontal, 140 to 447 frame direct connect ETO motors.

WorldMotor®

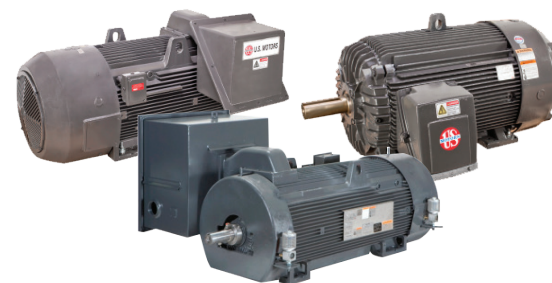
NEMA & IEC



World-class design.
Exceptional quality.
Global functionality.

World Motor is a line of horizontal, cast iron, TEFC motors in 0.5 to 250 kW both NEMA and IEC.

Suitable for heavy industrial use in all compressor industries.



TITAN® Horizontal Motors

- ODP / WPI / WP11 / TEFC / TEACC and TEWAC enclosures
- 150 TO 4000 HP
- 400 through 3600 RPM
- 380V through 6900 voltage 50 or 60 hertz
- 449 through 9600 frame
- Class F insulation (standard); optional Class H insulation
- Antifriction ball bearings (standard); optional sleeve bearings
- Standard, Energy and Premium Efficiency levels

NEW

TITAN® 5000 Frame HORIZONTAL MOTOR

ODP / WPI AND WP11

- Adjustable main conduit box location heights
- Low labor F1 and F2 field convertible
- Cast iron frame, covers, louvers and brackets
- F3 assembly position on ODP/WPI
- API®† 547 capability
- 315 IEC frame mounting
- Tri-drilled mounting holes (3 frame sizes)
- Renk®† sleeve bearings
- Internal frame routing of optional BTDs
- Flexible accessory box locations

