Lincoln MOTORS

Pump Motors

0.33 HP to 50 HP

Lincoln has a full line of Signature Series pump motors for a variety of fluid handling applications. Choose from TEFC or ODP, close-coupled JM and JP or Jet Pump mounting, single or three phase. All have premium insulation systems for long life, high quality ball bearings, easy-to-read nameplates and phosphate coated shafts. Jet Pump motors include automatic reset thermal overload protection. All Signature Series pump motors are made in the U.S.A.

Frame Sizes

STEEL	
56-256T	
ALUMINUM 254T-256T	CAST IRON 284T-326T

Washdown Motors

0.33 HP to 10 HP

Need a motor for the food processing, pharmaceutical, baking and chemical-processing industries? Ask about Lincoln's new line of washdown motors. Available in single and three phase AC, these motors have the features necessary to handle wet, severe or critically clean environments. Choose from three levels of exterior finish:

- Steel frame with USDA-approved white epoxy coating;
- Paint-free stainless steel frame with specially processed terminal box and end brackets;
- Paint-free full stainless steel construction.

Premium insulation system, sealing gaskets and stainless steel shaft, nameplate and fan cover, and made in U.S.A. quality complete the package.

Frame Sizes

STEEL	STAINLESS
56-215T	56-145T

Metric Frame Motors

0.25 HP to 50 HP
0.18 KW to 37 KW

New from Lincoln are IEC frame motors. These are ideally suited for replacement on machine tools, textile machinery and other equipment with metric dimensions but requiring the heavy-duty torque and performance of motors designed for use in North America.

- IP55 enclosure
- Metric dimensions
- Dual rated for operation on 60 Hz and 50 Hz three phase AC power
- B3, B5 (flange) and B14 (face) mounting arrangements
- Drilled and tapped shaft
- Premium efficiency
- CE compliant

Frame Sizes

ALUMINUM	CAST IRON
63-90L	100-250M

We're on the web to make your job easier. Visit us at www.lincolnmotors.com

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CTAC® Inverter-Duty Motors

0 HZ to 60 HZ

0.33 HP to 200 HP

0.33 HP to 400 HP

Features:
- Constant Torque: 0-60 Hz
- Variable Torque: 0-60 Hz
- Encoder mounted

Features:
- Constant Torque: (ODP) 30-60 Hz (TEFC) 15-60 Hz
- Variable Torque: 0-60 Hz

- Constant HP range
- Precision dynamic balance
- Premium Class F Plus insulation system
- Over temperature protection–NC

ODP Frame Sizes

STEEL	ALUMINUM	STEEL	CAST IRON
56-449T	182T-286T	56-145T, 324T-449T	143T-449T

TEFC Frame Sizes

Elevator Motors

0.25 HP to 200 HP

Lincoln Motors is a supplier member of the National Association of Elevator Contractors (NAEC) and has manufactured elevator motors since 1908.

In addition to a general product line of traction hoist and hydraulic elevator motors, Lincoln builds customer specific elevator and escalator motors. Elevator motor products include the following:

- VVVF traction hoist motors 7.5 HP - 75 HP
- Hydraulic pump motors 5 HP - 75 HP (popular ratings in stock)
- Escalator motors
- Door operator motors
- Partial gearless traction machines
- Dumbwaiter motors
- ODP, TEFC and explosion-proof

Frame Sizes

STEEL	CAST IRON
56-449T	254T-449T

THIS QUALITY MOTOR IS Inverter-Rated Any Drive No Filters Required EXCEEDS NEMA MG1 PART 31 INSULATION SPECS

Proven: Lincoln's Inverter Duty Motors Last Much Longer!

We've eliminated the hassle of matching motors to inverter drives. Whatever your application, whatever your equipment, our inverter duty motors will excel. A 5-year warranty on all our inverter duty motors says you'll be happy.

Lincoln MOTORS

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Industrial & Commercial AC Motors

SINGLE AND THREE PHASE 1/4 TO 800 HP

Lincoln MOTORS

THINK SINGLE SOURCE. THINK LINCOLN MOTORS.

High Quality Lincoln AC Motors for Industrial and Commercial Applications.

ODP Motors

0.25 HP to 500 HP

Ideally suited for standard industrial applications where water and dust exposure is moderate. Three phase and single phase.

Applications:

- Pumps
- Compressors
- Fans
- Blowers
- Direct or Belt-Driven Applications

Frame Sizes

STEEL 48-449T | CAST IRON 180T-449T

TEFC Motors

0.25 HP to 400 HP

Suitable for applications where exposure to water, dirt and corrosives exists. Three phase and single phase.

Applications:

- Pumps
- Compressors
- Fans
- Blowers
- Conveyors
- Machine Tools

Frame Sizes

STEEL 48-215T, 284T-449T

ALUMINUM 182T-286T | CAST IRON 143T-449T

TEFC Severe Duty & IEEE 841 Motors

1 HP to 400 HP

Full cast iron construction, special paint and protective coating on rotor. Designed for severe applications where maximum corrosion protection is required. Typical industries include pulp and paper, chemical processing, textiles, and automotive.

Applications:

Ideally suited for use in severe environments found in the process industries such as pulp and paper mills, chemical plants, foundries, textile mills and automotive manufacturing.

Frame Sizes

CAST IRON 143T-449T

Explosion-Proof Motors

0.25 HP to 250 HP

Lincoln Explosion-Proof motors are available for a wide variety of hazardous locations including Class 1 Groups C&D and Class 2 Groups F&G. Single and three phase, steel and cast iron frames. All have automatic reset thermal protector or thermostats as standard. UL and CSA listed.

Applications:

For use on fans, blowers, gear reducers, pumps, compressors, machine tools and other equipment installed in hazardous environments as defined by the particular motor's explosion proof class and group rating. Consult the National Electrical Code (NEC) and your local regulations for the proper selection of motors in hazardous locations.

Frame Sizes

STEEL 56-145T | CAST IRON 182T-449T

Agricultural Duty Motors

0.25 HP to 15 HP

Lincoln offers a complete line of Signature Series motors for farm and agricultural applications. Models include aeration fan, agricultural fan (foot mount, resilient base-thru bolt, direct drive-thru bolt), auger drive, grain stirring, crop dryer and farm duty (high and extra high starting torque). Most models come equipped with thermal overload protection as standard. Single and three phase designs, totally enclosed and dripproof/air over. 115, 208 and 230 volts.

Applications:

Direct drive vane axial fans, poultry house fans, barn exhaust fans, feeders, conveyors, compressors, spray washers, pumps, silo unloaders, barn cleaners, bunk feeders, poultry feed systems, grain stirring systems inside grain bins, crop dryers and other demanding farm equipment and machinery.

Frame Sizes

STEEL 48-215T

TEFC Crusher Duty Motors

100 HP to 500 HP

Crusher Duty motors are designed for severe belted-load applications. They are available in cast iron or steel construction and include a drive-end roller bearing, a high-strength steel shaft, Class F thermostats, high starting torque, and PWS/YDS capability.

Applications:

Ideally suited for size reduction equipment, including rock crushers, pulverizers and other machinery for the aggregate and construction industries.

Frame Sizes

CAST IRON 405T-5013 | STEEL 405T-449T

Large Frame Motors

Up to 800 HP

Lincoln large frame motors last longer. Why? We didn't cut any corners:

- Superior insulation system and low operating temperature rise.
- Inpro/Seal™ bearing isolators are standard on drive end shaft.
- It's easy to install sensors that can further prolong motor life.
- Physical toughness provides ultimate protection from the elements (totally enclosed, full cast iron construction, and more!)

These motors are available up to 800 HP in low voltage models (600V and less) and medium voltage models (2300-4160V).

Applications:

Pulp and paper mills, mineral processing, waste management facilities, lumber and wood processing mills and automotive manufacturing plants.

Frame Sizes

CAST IRON UP TO 5013

Wash-Thru™ Motors

Up to 15 HP

For exceptional life expectancy, Wash-Thru motors have completely encapsulated windings to protect them from moisture and contaminants. Rather than attempt to seal out the elements, these motors isolate the motor component most vulnerable to moisture damage. Service life has been demonstrated to be up to 800% greater than other motors designed for washdown use.

Applications:

Typical applications can be found at poultry, seafood, meat and other food processing plants. Other applications are in high moisture, dust and vibration areas.

Frame Sizes

STEEL 56-215T

Definite Purpose/Specialty Designs

We excel at engineering and manufacturing products for unusual or demanding uses, including machine tool, electric vehicle, automotive duty, power generation, elevator, escalator and pump applications.

- Standard or Modified Frames
- Special Operating Characteristics
- All Frame Sizes
- Special Shafts
- Special Tolerances
- Built-to-your-spec
- Brake Motors
- Automotive Duty U-Frame and T-Frame

Frame Sizes

ALUMINUM 182T-286T | CAST IRON UP TO 5013 | STEEL 48-449T

Ask us about the Lincoln Motor Advantage

Lincoln™ MOTORS

1. More Operating Voltages

Ultimate E and Signature Series motors are nameplated for a variety of operating voltages that can reduce your inventory requirements.

- All 230/460 Volt, 60 Hz models are nameplated for 208 Volt, 60 Hz operation.
- Most 230/460 and 460 Volt, 60 Hz motors are nameplated for 50 Hz operation on 380 and/or 415 Volts.

2. More Efficiency Choices

Lincoln gives you two energy-efficiency options: select a "P" model to meet EPAct requirements; or choose a "B" model to maximize your energy savings.

3. More Overload Capability*

With an industry-leading 1.25 Service Factor, our Signature Series and Ultimate E motors provide peace of mind in uncertain situations. Peak loads, worst-case scenarios, whatever comes their way, these motors deliver the overload assurance to let you rest easy.

4. More Starting Torque*

Awesome! It's the only word to describe starting torques from our motors. Not only do they easily meet all NEMA Design B requirements, in some cases they also meet Design C starting torques. What's it all mean to you? Reliability. These are off-the-shelf motors with tremendous torque insurance for start-up.

5. Vary the Speed, Reap the Benefits

Everyone knows the potential benefits of using inverter or variable-speed drives. For that reason, most Ultimate E and Signature Series motors (230/460 and 460 Volt, 60 Hz) are Inverter-Rated for use with any brand drive at any carrier frequency. And to make matters as simple and inexpensive as possible, filters and power conditioning devices are not required.

Lincoln™ MOTORS

*Refer to our LC100 catalog for specifications