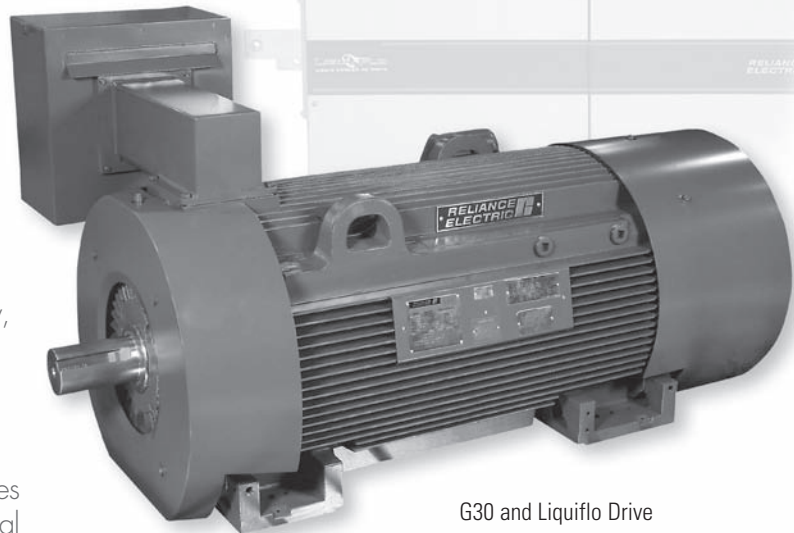


VARIABLE SPEED

LARGE AC MOTORS

Large AC Solutions For Demanding Applications

Reliance Large AC motors for variable speed applications are custom engineered for optimized performance in demanding industrial environments. The near-zero downtime requirements of around-the-clock production demand predictable, dependable motor performance. And that's what we deliver. Experienced Reliance engineers work directly with OEMs and users in the paper, metals, petrochemical, mining, automotive, utility, HVAC, and other industries to design motor solutions that meet or exceed all specified requirements. No large motor manufacturer in the world offers a wider selection of sizes, capacities, and features to serve a more diverse range of industrial variable-speed applications.



G30 and Liquiflo Drive

✓ Aggregate/Cement

Food

✓ Mining

✓ Forest/Paper

✓ Petro/Chem

✓ Unit/Baggage Handling

✓ HVAC/Industrial Air Handling

✓ Environmental/Fluid Power

Automotive

✓ Metals

Nuclear

Entertainment

Engineering Performance To Meet Your Specifications:

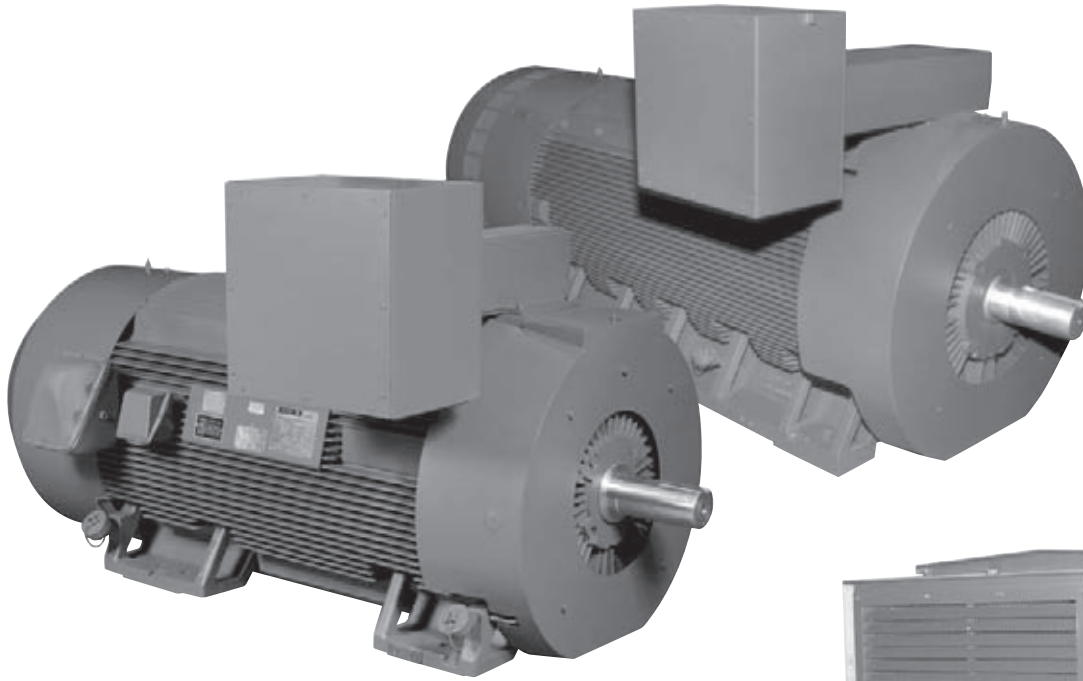
- Horizontal and vertical configurations
- Optimized motor designs that match cooling capabilities to specific application requirements
- Specialty design requirements such as Arctic-duty, high-altitude, high-efficiency, or low-noise
- Form wound or random insulation for low voltage (320-575 V) applications; form wound insulation for medium voltage (2.3-6.6 kV) applications
- Extensive speed range capabilities including vector drive control down to zero speed as well as extended operation above base speed into constant horsepower ranges
- Sleeve or anti-friction bearings
- NEMA and IEC compliant

Lab Tested For Predictable Performance:

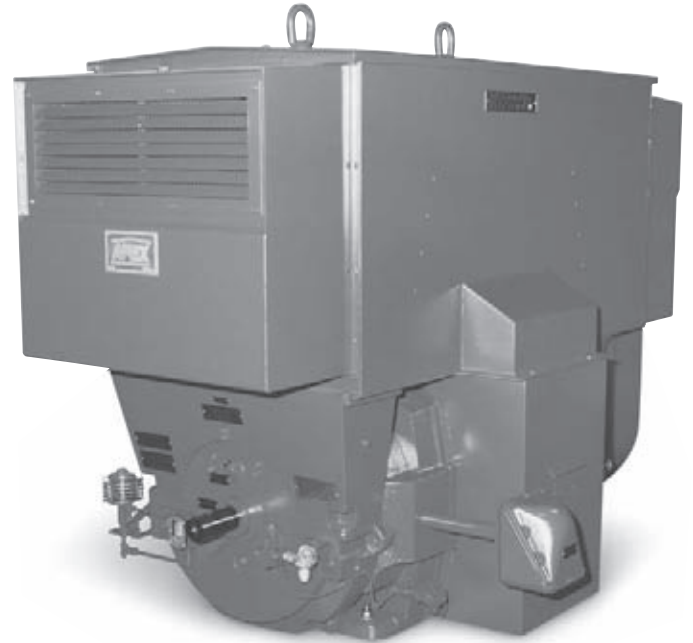
- Every Reliance Large AC variable speed motor uses computer-aided design, advanced materials, and reliable manufacturing methods to achieve the precise combination of performance characteristics desired. Individual components and assembled motors are tested and proven to meet all custom-specified requirements.
- Frames are made of rigid cast iron or fabricated steel, minimizing vibration for extended motor life.
 - Rotors are available in copper bar or cast aluminum and optimized for inverter-duty operation.
 - Shafts are designed to withstand ten times the motor's rated torque.
 - Stators use high-grade C-5 core plate for high efficiency that features superior electrical thermal,

and mechanical performance for extended coil life. Its glass-served wire is capable of withstanding the high DV/DT (rise time) output of today's inverters.

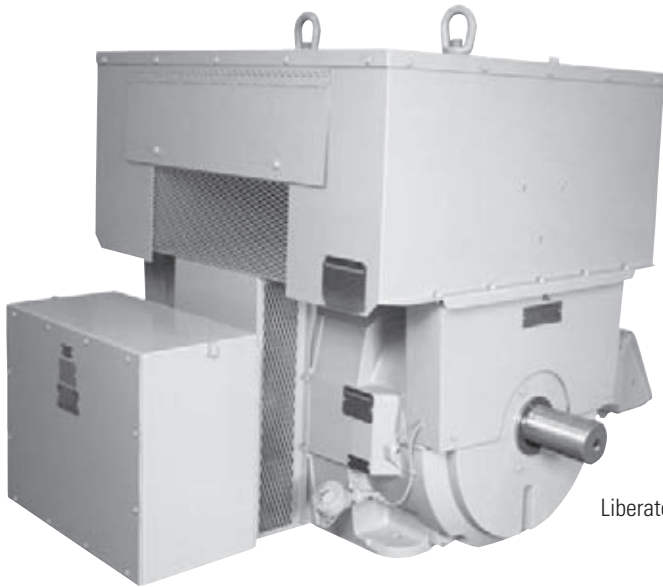
- Bearings Unique Reliance A/F (Anti-Friction) design uses an insulated sleeve with standard bearings for added protection of the insulation system. Reliance Inverter Duty Motors come standard with two insulated bearings and a shaft ground brush to protect motors against potential shaft currents. For applications where a ground brush is not available such as (Div. 2), one insulated bearing and a ground probe is available.



TEFC (Totally Enclosed Fan Cool) motors for industrial applications, like crushers, winders, recoilers and conveyors. Available to meet IEC standards.



TEAAC (Totally Enclosed Air-to-Air Cooled) motors for pump, fan, and conveyor applications with narrow speed requirements.



Liberator WP-II motor

www.baldor.com www.ptplace.com www.dodge-pt.com www.reliance.com



Baldor Electric Company Headquarters

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