



















Baldor•Reliance® NEMA motors

Global product offering

ABB is a leader in power and automation technologies that enable utility, industrial and commercial customers to improve performance, reduce cost and minimize environmental impact. ABB partners with customer-focused distributors to deliver a very wide range of innovative and high-quality products, solutions and services.

Product / Offering	Benefits and features	Suggested applications
<p>Single phase motors</p> <p>0.06–11 kW, 0.08–15 HP Totally enclosed, single phase</p>  <p>0.12–7.5 kW 0.17–10 HP Open drip proof, single phase</p> 	<ul style="list-style-type: none"> – Designed for safe operation – Energy and maintenance savings – Multiple mounting flanges available <ul style="list-style-type: none"> – Designed for safe operation – Energy and maintenance savings – Multiple mounting flanges available 	<ul style="list-style-type: none"> – Pumps, fans and compressors – General machinery <ul style="list-style-type: none"> – Pumps, fans and compressors – General machinery
<p>General purpose motors</p> <p>0.18–298 kW 0.25–400 HP Totally enclosed, three phase</p>  <p>0.18–1100 kW 0.25–1500 HP Open drip proof, three phase</p> 	<ul style="list-style-type: none"> – Designed for safe operation – Energy and maintenance savings – Dual mounting foot holes for easy mounting <ul style="list-style-type: none"> – Designed for safe operation – Energy and maintenance savings – Dual mounting foot holes for easy mounting 	<ul style="list-style-type: none"> – Pumps, fans and compressors – General machinery <ul style="list-style-type: none"> – Pumps, fans and compressors – General machinery
<p>Severe duty motors</p> <p>0.37–2250 kW 0.5–3,000 HP Totally enclosed, three phase</p> 	<ul style="list-style-type: none"> – Designed for safe operation and maximum reliability – Over-sized cast iron conduit box for easy installation – Patented lubrication system ensures proper greasing in all mounting positions – Meet and exceed industry standards in severe duty environments – Suited for sine wave or inverter power 	<ul style="list-style-type: none"> – Applications requiring protection from severe environmental operating conditions – Agriculture – Chemical and plastics industries
<p>Explosion proof motors</p> <p>0.18–600 kW 0.25–800 HP Totally enclosed, three phase Induction motors</p> 	<ul style="list-style-type: none"> – Designed for safe operation and maximum reliability – Robust design for operation in harsh environments – Fully certified to UL and CSA standards for division based hazardous locations 	<ul style="list-style-type: none"> – Hazard locations or potentially hazardous environments where combustible gasses, vapors and/or dust are present or present some of the time – Chemical, Oil & Gas, Plastics industries

Product / Offering	Benefits and features	Suggested applications
<p>Above NEMA Motors</p> <p>185–1,119 kW 250–1,500 HP Three phase, low and medium voltage</p> 	<ul style="list-style-type: none"> - Designed for safe operation and maximum reliability - Energy and maintenance savings - Suitable for use on sine wave or inverter power 	<ul style="list-style-type: none"> - Pumps, fans and compressors - General machinery
<p>Washdown duty motors</p> <p>0.18–15 kW 0.25–20 HP Totally enclosed, single and three phase</p> 	<ul style="list-style-type: none"> - Designed for safe operation in wet environments - Energy and maintenance savings 	<ul style="list-style-type: none"> - Suited for applications requiring high-pressure cleaning with caustic solutions - Food & Beverage
<p>Pump motors</p> <p>0.75–37 kW 1–50 HP Totally enclosed, three phase</p> <p>0.75–56 kW 1–75 HP Open drip proof, three phase</p> 	<ul style="list-style-type: none"> - Designed for safe operation - Energy and maintenance savings - Variety of shaft and mounting configurations <ul style="list-style-type: none"> - Designed for safe operation - Energy and maintenance savings - Variety of shaft and mounting configurations 	<p>Industrial, residential and swimming pool pumps</p> <p>Industrial, residential and swimming pool pumps</p>
<p>HVAC motors</p> <p>0.75–75 kW 1–100 HP Totally enclosed, single and three phase</p> <p>0.75–75 kW 1–100 HP Open drip proof, three phase</p> 	<ul style="list-style-type: none"> - Designed for safe operation - Energy and maintenance savings - Provisions for shaft grounding device mounted internally or externally <ul style="list-style-type: none"> - Designed for safe operation - Energy and maintenance savings - Provisions for shaft grounding device mounted internally or externally 	<p>Heating, ventilation and air conditioning blowers and fans</p> <p>Heating, ventilation and air conditioning blowers and fans</p>
<p>Definite purpose motors</p> <p>0.35–187 kW 0.5–250 HP Totally enclosed, open drip proof</p> 	<ul style="list-style-type: none"> - Designed for safe operation - Energy and maintenance savings - Unique features to meet specific application requirements 	<p>Fans, Blowers, machine tools, hoists, pressure washers, steam cleaners, woodworking</p>
<p>Unit handling motors</p> <p>0.37–5.5 kW 0.5–7.5 HP Totally enclosed, three phase</p> 	<ul style="list-style-type: none"> - Designed for safe operation - Energy and maintenance savings - Multiple slotted feet offer increased product utility UL/CSA recognized and CE certified 	<p>Unit and baggage handling, conveyors, packaging equipment, door operators</p>
<p>Brake motors</p> <p>0.18–22 kW 0.25–30 HP Three phase induction motor with built in brake</p> 	<ul style="list-style-type: none"> - Designed for safe operation - Brake can be manually released and automatically resets Energy and maintenance savings 	<p>Conveyors, door operators, speed reducers, general machinery</p>

Product / Offering	Benefits and features	Suggested applications
Inverter / Vector motors	<ul style="list-style-type: none"> - Safe operation - Very high power density - Permanent magnet technology achieves high efficiency with very low amperage 	Extruders, conveyors, crain and hoist, pumps, test stands, traction duty
0.25–1,120 kW 0.33–1,500 HP Totally enclosed, three phase		
1.5–745 kW 5–1,200 HP Totally enclosed, laminated frame, three phase		Extruders, conveyors, crain and hoist, pumps, test stands, traction duty
DC motors	<ul style="list-style-type: none"> - Designed for safe operation - Brushes are continuously contacted due to constant force springs - Tachometer provisions for motor monitoring - Drive end bearing locked in place for vertical or axial loads 	Conveyors, material handling, packaging, mixers, pumps
0.015–3.7 kW 0.02–5 HP Totally enclosed, permanent magnet DC motor		
0.18–2238 kW 0.25–3,000 HP Totally enclosed, wound field DC motor		Metals, paper, web processes, extruders cranes, conveyors, printing press, general machinery
Gear motors	<ul style="list-style-type: none"> - Designed for safe operation - Custom designed seals provide oil retention for longer life - Internal expansion bladder eliminates risk of oil contamination due to leaks - Synthetic oil lubrication provides maximum efficiency and low maintenance 	Medical and laboratory equipment, printing presses, commerical ovens, material handling, general machinery
Totally enclosed, right angle and parallel shaft gearmotor		

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