

Product Information

Special Features & Optional Types
<p><b>Typical Variants</b></p> <ul style="list-style-type: none"> <li>• Motors with brakes</li> <li>• 2GD motors for areas classified as zone 21 and zone 22 (Dust)</li> </ul> <p><b>Electrical Variants</b></p> <ul style="list-style-type: none"> <li>• Non-standard voltages and frequencies (maximum voltage 1000V)</li> <li>• Motors suitable for frequency inverter drive</li> <li>• Motors with encoder</li> <li>• Motors with forced ventilation (from frame size 80)</li> <li>• Motors for tropical climates</li> <li>• Motors for low ambient temperatures</li> <li>• Motors insulated to class H</li> <li>• Motors with bimetallic detector; thermistor PTC or thermistor PT100</li> <li>• Motors with anti-condensation heaters</li> <li>• Motors with special electrical design</li> <li>• Single-phase motors with capacitor fitted in a large size terminal box (EEx-d, max 59 µF)</li> </ul> <p><b>Mechanical Variants</b></p> <ul style="list-style-type: none"> <li>• Special flanges and shafts</li> <li>• Double ended shafts</li> <li>• Cable gland fitted to terminal box</li> <li>• Terminal box with special cable entries</li> <li>• Motors without terminal box and with loose cables</li> <li>• Ingress protection IP56 - IP65 - IP66</li> <li>• Motors with condensation drainage valves</li> <li>• Motors with special bearing (uni-directional, with sensors, with rollers, insulated, oversized, thrust bearings)</li> <li>• Motors with a rain cap or sun shield, water-shedding disc</li> <li>• Low noise emission version</li> </ul>

**Explosion Proof Motors 1HP & Higher do NOT meet the North American Energy Efficiency Regulations. Our Explosion Proof Motors are ATEX Certified only (no CSA/UL Certification available).**

*See below for exemptions.*

Exemptions for use in North America	
<i>Efficiency Regulations can be exempt per the following conditions:</i>	
b.	Motors that are rated for a Duty cycle of S3 to S9 (intermittent duty)
c.	Motors that are to be powered by independent power source, not a local utility.
d.	Single phase motors
e.	2 speed motors

*Note: Motors that will be for export outside of North America or used in offshore applications are not required to meet North American Regulations.*

Flameproof Motor Purchasing Checklist	
Power Rating	___ kW
Synchronous Speed	___ RPM
Phase	___ Ph
Frequency	___ Hz
Voltage	___ V
Destination (Country)	
Starting & Control	___ D.o.L ___ VFD
Torque	___ Constant ___ Variable
Protection Scheme	___ TEFC ___ Ex db ___ Ex db eb ___ Ex'na
Temperature Class	T ___ (1,2,3,4,5 or 6)
Zone Classification	___ (Gas 1 or 2) ___ (Dust 21 or 22)
Grouping	___ ( I, IIA, IIB, IIC)
Insulation Class	___ Class F
Temperature Rise	___ Class B
Ambient Temperature	___ (40°C, 45°C, 50°C, 55°C)
IP rating	IP ___ (IP55, IP56, IP other)
IC Rating	___ IC411 ___ IC416 ___ IC ___
Paint Standard	___ C2 ___ C3 ___ C4 ___ C5i Other: _____
Finish Colour	___ RAL 5010 (standard) Other: _____
Main Terminal Box (MTB)	___ F0 ___ F ___
Termination IEC 60034-8	___ Standard Terminal Block ___ Flying Leads
Bearings Arrangement	___ Anti Friction Ball ___ Roller Type ___ Sealed Other: _____
Mounting	___ B3 Foot Mounted ___ B5 ___ B14 ___ B34 ___ B35 ___ V1
Service Factor	___ 1.0 ___ 1.15
Certifications	___ ATEX ___ IEC ex (On Request) Other: _____
Efficiency Classification	___ IE1 Standard High ___ IE2 ePACT ___ IE3 Efficient (Europe)
Special Features	___ Thermistors ___ Thermostats ___ 100 Ω platinum RTDs ___ 2-phase wired to MTB ___ Space Heaters ___ V AC Other: _____