

SERIES Electric
Motors

Range



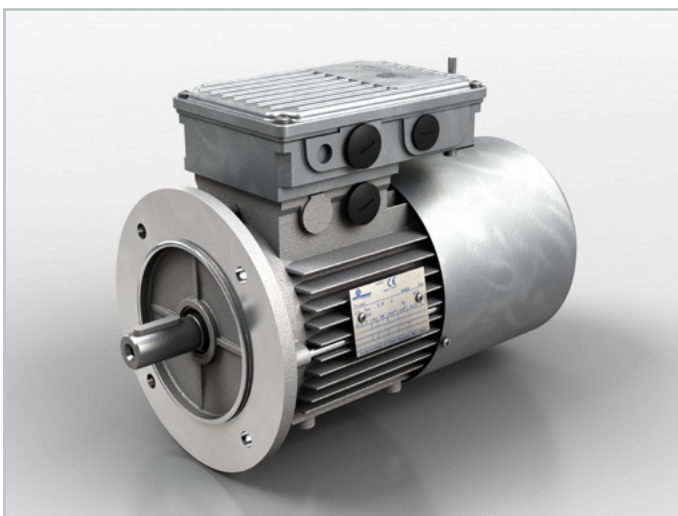
They are the most effective and economical answer to needs of alternating current transmission. The three-phase motors are available, in accordance with the IEC international standards, from size 063 to 160 in the versions with flange B5, B14 and with feet B3. they can be supplied with single polarity (2, 4, 6; IE2 efficiency starting from size 080), with continuous or alternating current brake, in a power range from 0.09 kW to 11 kW.

Three-phase electric motors **TS/TH**



- Unified dimensions and shaft height from 63 to 160
- Polarity: 2,4,6
- Nominal power and dimensions complying with standard IEC 72-1 from 0,09 to 11 kW
- Motors designed in accordance with the requirements of the family IEC 34 and with the harmonized EEC standards that derived from them
- External surface ventilation
- Cage rotor made of aluminium or aluminium cast alloy
- Insulation class F
- Degree of protection standard IP55
- Available with feet B3 or with flange B5 or B14
- Polarity: 2,4,6
- Over-temperature compatible with class B

Three-phase brake electric motors **TBS/TBH**



- Unified dimensions and shaft height from 63 to 160
- Polarity: 2,4,6
- Nominal power and dimensions complying with standard IEC 72-1 from 0,09 to 11 kW
- Direct current FM brake and Alternating current MS brake
- Space-saving direct current ML brake
- Direct current FM-FM double brake
- Motors designed in accordance with the requirements of the family IEC 34 and with the harmonized EEC standards that derived from them
- External surface ventilation
- Cage rotor made of aluminium or aluminium cast alloy
- Insulation class F
- Degree of protection standard IP54
- Available with feet B3 or with flange B5 or B14
- Over-temperature compatible with class B

OptionsAccessories



- **Single-phase and three-phase servo-ventilation IC416**
- Insulation class **H**
- **IP56, IP65, IP66** protection degrees
- Thermal protections with standard temperature in class F and available also for class H:
 - 3 **PTC** thermistors with temperature class suitable for the insulation class
 - 3 **bimetallic** temperature probes with temperature class suitable for the insulation class
- **Optional voltages**
- **Design B34, B35**
- **Fast connection**
- **Rain cover**
- **Textile cover**
- **Aluminium fan**



Other options and accessories	TS-TH	TBS-TBH	D	DB	S	HSE	TSX-THX	TBSX-TBHX
• Servo-ventilation single-phase and three-phase IC416	•	•	•	•	•	•	/	/
• Single-phase and three-phase servo-ventilation IC416 with anti-corrosion paint	/	/	/	/	/	/	•	•
• Not ventilated (IC410 or IC418)	•	•	•	•	•	•	•	•
• S2 service-10 min without ventilation	•	•	•	•	•	•	•	•
• Insulation class H	•	•	•	•	/	/	•	•
• Degree of protection IP55	/	•	/	•	/	/	/	/
• Degree of protection IP56, IP65, IP66	•	•	•	/	/	/	• (only IP66)	• (only IP66)
• Terminal cover with degree of protection IP67	/	/	/	/	/	/	•	•
• 3 PTC thermistors with temperature class suitable for the insulation class	•	•	/	/	/	/	•	•
• 3 bimetal temperature probes with temperature class suitable for the insulation class	•	•	•	•	•	•	•	•
• Optional voltages	•	•			•	•	/	/
• Design B34, B35	•	•	•	•	•	•	/	/
• Second shaft	•	•	•	•	•	•	/	/
• Rear hexagon	•	•	•	•	•	•	/	/
• Anti-condensation heaters 110V or 230V	•	•	•	•	•	•	•	•
• Condensate drain holes	•	•	•	•	•	•	•	•
• Incremental encoder and low-resolution incremental encoder	•	•	/	/	/	/	/	/
• MS brake	/	•	/	•	/	/	/	/
• ML brake	/	•	/	/	/	/	/	/
• FM-FM brake	/	•	/	/	/	/	/	/
Other accessories	/	/	/	/	/	/	/	/
• Backstop device	•	•	/	/	/	/	/	/
• Cable glands and metal/metal plugs	•	•	•	•	•	•	•	•
• Aluminium fan	•	•	•	•	•	•	•	•
• Fast connection	•	•	/	/	/	/	/	/
• Rain cover and textile cover	•	•	/	/	/	/	•	•
• Fly-wheel (only for self-braking motors)	/	•	/	•	/	/	/	•
• Release lever (only for self-braking motors)	/	•	/	•	/	/	/	•
• Micro switch to open/close brake or for brake wear (only for self-braking motors)	/	•	/	/	/	/	/	•
• Anti-lock braking system stainless steel ring (only for self-braking motors)	/	•	/	/	/	/	/	/
• Optional straightening(only for self-braking motors)	/	•	/	•	/	/	/	•
• Sealed bearings 2RS	/	/	/	/	/	/	•	•
• Painted Blue RAL 5010	•	•	•	•	•	•	/	/
• Painted Grey RAL 9006	/	/	/	/	/	/	•	•
• Painted White RAL 9010	/	/	/	/	/	/	•	•
Other options	/	/	/	/	/	/	/	/
• Atex certification	•	•	•	•	•	•	/	/
• UL/CSA certification	•	•	•	•	/	/	•	•
• Gost certification	•	•	/	/	/	/	•	•
• Special design for low temperatures	•	•	•	•	•	•	•	•
• Special design for high temperatures	•	•	•	•	•	•	•	•

• Available
/ Not available

Worldwide

DP-M/2015/REV.0



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