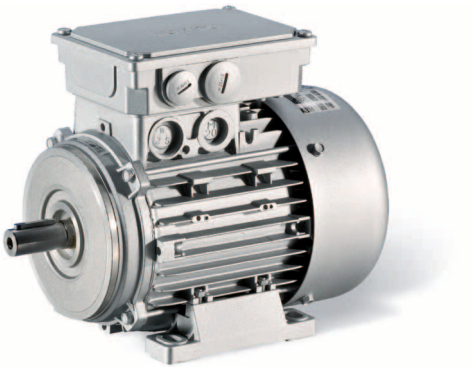


# Efficient and flexible for basic machine duties.



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**Energy-efficient three-phase AC motor for constant and variable motion.**

**Power range:**

**0.75 to 45 kW (5.08 to 290 Nm)**

**Suitable for energy-efficient mains operation and inverter operation.**

## Features

- IE2 energy efficient
- Available in the models B3, B5, B14 (4-pole) and as geared motors (2-pole, 4-pole and 6-pole)
- Setting range during inverter operation up to 1:17.4 with constant torque
- Enclosure IP55
- Inverter-compatible windings as standard

# IE2 technology – MH AC motors – An overview

## Specifications at 50 Hz, 400 V

Size		080	090	100	112	132	160	180	225
Rated power	P [kW]	0,75	1.1	2.2	4,0	5.5	11	18.5	37.0
			1.5	3.0		7.5	15	22	45
Rated current	I [A]	1.8	2.7	5	8.4	11.9	21.8	34	65
			3.3	7		15.6	29.1	39.8	79
Rated torque	M [Nm]	5.08	7.35	14.5	26,3	35.7	71.5	120	238
			10	19.8		49.1	97.4	143	290
Rated speed	n [rpm]	1410	1430	1445	1455	1470	1470	1475	1483
			1435	1445		1460	1470	1470	1480

## The modular system for your application

Thanks to their flexible modular design, the three-phase AC motors are ideal for use with any application:

- Brake attachments
  - Scalable braking torques
  - Long-life design
  - Various controls
- Feedback systems
  - Resolver
  - Incremental encoder
  - Absolute value encoder
- Self-ventilated or separate blower
- Connection options
  - Plug connectors
  - Terminal box
- Various thermal sensors

## Other properties

<b>Degree of protection</b>	
EN 60529	IP55
<b>Energy efficiency class</b>	
IEC 60034	IE2
<b>Approvals</b>	
	cURus, GOST-R, CCC and UkrSepro
<b>Temperature class</b>	
IEC / EN 60034-1 utilisation	B
IEC / EN 60034-1 insulation system	F
<b>Climatic conditions</b>	
Storage temperature	-30°C to +60°C
Operating temperature	-20°C to +40°C
<b>Connection</b>	
Power connection	Terminal box or plug connectors
Brake connection	
Separate fan connection	
Feedback connection	
<b>Colour</b>	
	Primered Uncoated Paint in various corrosion-protection designs in accordance with RAL colours