Efficient and flexible for basic machine duties.

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

Lenze

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 1.5	2.2 3.0	4,0	5.5 7.5	11 15	18.5 22 30	37.0 45
Rated current	I [A]	1.8	2.7 3.3	5 7	8.4	11.9 15.6	21.8 29.1	34 39.8 53.9	65 79
Rated torque	M [Nm]	5.08	7.35 10	14.5 19.8	26,3	35.7 49.1	71.5 97.4	120 143 196	238 290
Rated speed	n [rpm]	1410	1430 1435	1445 1445	1455	1470 1460	1470 1470	1475 1470 1465	1483 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

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