

The future-proof motor generation.



With the new m550 three-phase AC motors we offer you a future-proof drive solution for your machine. They also meet the legal requirements of the world's most important regions such as the USA, Europe and Asia.

The IE2-high efficiency motor type m550-H covers the power range of 0.12 ... 0.55 kW.

The IE3-premium efficiency motor type m550-P covers the power range of 0.75 ... 22 kW.

The application-oriented modular system offers solutions for a variety of machine tasks. Our digital services also enable quick selection and easy integration into your business processes.

Highlights

- Energy efficiency classes for an economic and future-proof use in many applications and countries
- Scalable modular system for optimum adjustment to machine requirements
- Easy connection via terminal box or conventional plug connectors for fast commissioning
- Optimized for use as geared motors with g500 gearboxes and i510 cabinet und i550 cabinet frequency inverters

m550 three-phase AC motors

The m550 three-phase AC motors form the basis for a coordinated mechatronic system consisting of geared motor, inverter and connection topology.

Choose the right drive from a wide range of options to solve the tasks of your machine in the best possible way.

Connection options:

- Direct mains connection or operation on frequency inverter
- Holding brake or application brake
- Feedback systems such as resolvers, incremental encoders and absolute value encoders
- Blower
- Temperature monitoring with thermal contact or PT1000 in addition
- Second shaft end with and without hand wheel

The EASY Product Finder helps you to find the right product.



m550 three-phase AC motor with 8400 motec frequency inverter as bevel geared motor

Technical data

Overview data

Motors	Power range	Supply voltage
m550-H IE2 motors	0.12 ... 0.55 kW	230/400 V and 460 V
m550-P IE3 motors	0.75 ... 22 kW	

Rated data at 400 V, 50 Hz, 4-pole

Motor			m550-H				
			63/S4	63/M4	63/L4	71/M4	71/L4
Rated power	P_N	kW	0.12	0.18	0.25	0.37	0.55
Rated current	I_{rated}	A	0.410	0.540	0.680	0.990	1.35
Rated torque	M_{rated}	Nm	0.810	1.23	1.72	2.48	3.67

Motor			m550-P					
			80/M4	90/M4	90/L4	100/M4	100/L4	112/M4
Rated power	P_N	kW	0.75	1.1	1.5	2.2	3	4
Rated current	I_{rated}	A	1.60	2.31	3.18	4.46	6.10	7.82
Rated torque	M_{rated}	Nm	4.92	7.17	9.78	14.3	19.5	26.0

Motor			m550-P					
			132/M4	132/L4	160/M4	160/L4	180/M4	180/L4
Rated power	P_N	kW	5.5	7.5	11	15	18.5	22
Rated current	I_{rated}	A	10.6	14.6	20.8	28.4	33.3	38.8
Rated torque	M_{rated}	Nm	35.5	48.4	70.7	96.5	119	142