



The robust and universally applicable helical geared motors are an axial drive unit and comply with efficiency classes IE2 and IE3.

Thanks to the helical gearbox, they have high permissible radial forces, closely stepped ratios and low backlash.

Highlights

- Robust axial gearbox in a compact design
- Shaft dimensions in line with market standard and standardized flanges
- Can be used universally due to the market-oriented modular system
- Easy connection via terminal box or conventional plug-in connectors for fast commissioning
- Can be combined with i510 cabinet, i550 cabinet and i550 protec frequency inverters

Material number	16748636
Gearbox series	g500 helical geared motor
Gearbox	g500-H45
Motor	m550-H63/M4
Rated frequency	50 / 60 / 87 Hz
Rated power	0.18 / 0.18 / 0.33 kW
Output speed	139.5 / 170.9 / 249.7 r/min

Output torque	12 / 10 / 12 Nm
Load capacity	2.92 / 3.44 / 2.41
Moment of inertia	2.986 kgcm ²
Motor mounting to gearbox	Direct mounting (integr. mot.)
Enclosure	IP55
Colour	Not coated
Nameplate 1st / 2nd	Adhesive label / without
Gearbox code	G50AH045MVBR2C00
Shaft type	V - solid sh. with featherkey
Output shaft	20 x 40 mm
Design	B-with foot without centring
Output flange	R - without flange
Breather element	without ventilation
Lubricant	CLP 460
Gearbox lubricant quantity	0.20 l
Fitting grease	Not enclosed
Mounting position	M1-6 [A - F]
Motor code	M55BH063M045E00LC
Efficiency class	IE2
Rated speed	1400 / 1715 / 2505 r/min
Power factor	0.64 / 0.58 / 0.60
Rated voltage Y	400 / 460 / - V
Rated current Y	0.62 / 0.56 / - A
Rated voltage Δ	230 / - / 400 V
Rated current Δ	1.07 / - / 1.11 A
Motor code C86	2308 / 2308 / 2309
Service factor 60Hz	1.15

Winding design	delta / Star
Operating mode	S1
Connection type	Terminal box
terminal box size	S
Temperature class	F
Motor protection	TCO (Thermal contact, NC)
Cooling	Integral fan
Braking torque	0.000 Nm
Market approval US,CD	cULus
Pos. of terminal box	T [2]
Pos. of cable entry	R
Mot power	0.00 kW
Connection	Star
Rated voltage	460 V
Gearbox version	H
Drive size	1A
Weight	6.35 KG