

Application data

Products		Helical and bevel gear
Area of use		Global (50 Hz)
Input power	[kW]	1.50
Directive		Motor ErP
Efficiency class		efficiency class IE1
Motor type		HBZ - Asynchronous three-phase brake motor with d.c. safety brake
Transmission ratio i		147.25 - 147.25

Designation: MR 4I 125 UP2A - 24x200 - 155
 Mounting position V6
 HBZ 90LC 6 230.400-50 B5

Helical gearmotor catalog G technical data

Transmission ratio i		155.00
Output speed n_2	[min ⁻¹]	5.87
Input speed n_1	[min ⁻¹]	910
Input power P_1	[kW]	1.50
Output torque M_2	[N m]	2,239
Service factor f_s		1.56
Efficiency		0.92
Mass of gearmotor (without motor)	[kg]	93.00
Moment of inertia J_1	[kg m ²]	< 0.0001
Approximate lubricant quantity	[l]	9.40
ISO viscosity grade (ambient temp. 10-40 °C)	[cSt]	320
Input coupling dimensions	[∅ D x P]	24x200
Nominal data		
Nominal input power P_{N1}	[kW]	2.34
Nominal output power P_{N2}	[kW]	2.15
Nominal output torque M_{N2}	[N m]	3,500
Maximum output torque M_{2max}	[N m]	5,600
Gearmotor supplied without oil		
Painting: RAL5010 Blue, C3 ISO 12944-2		
Whole mass (gearmotor + motor)	[kg]	118.00

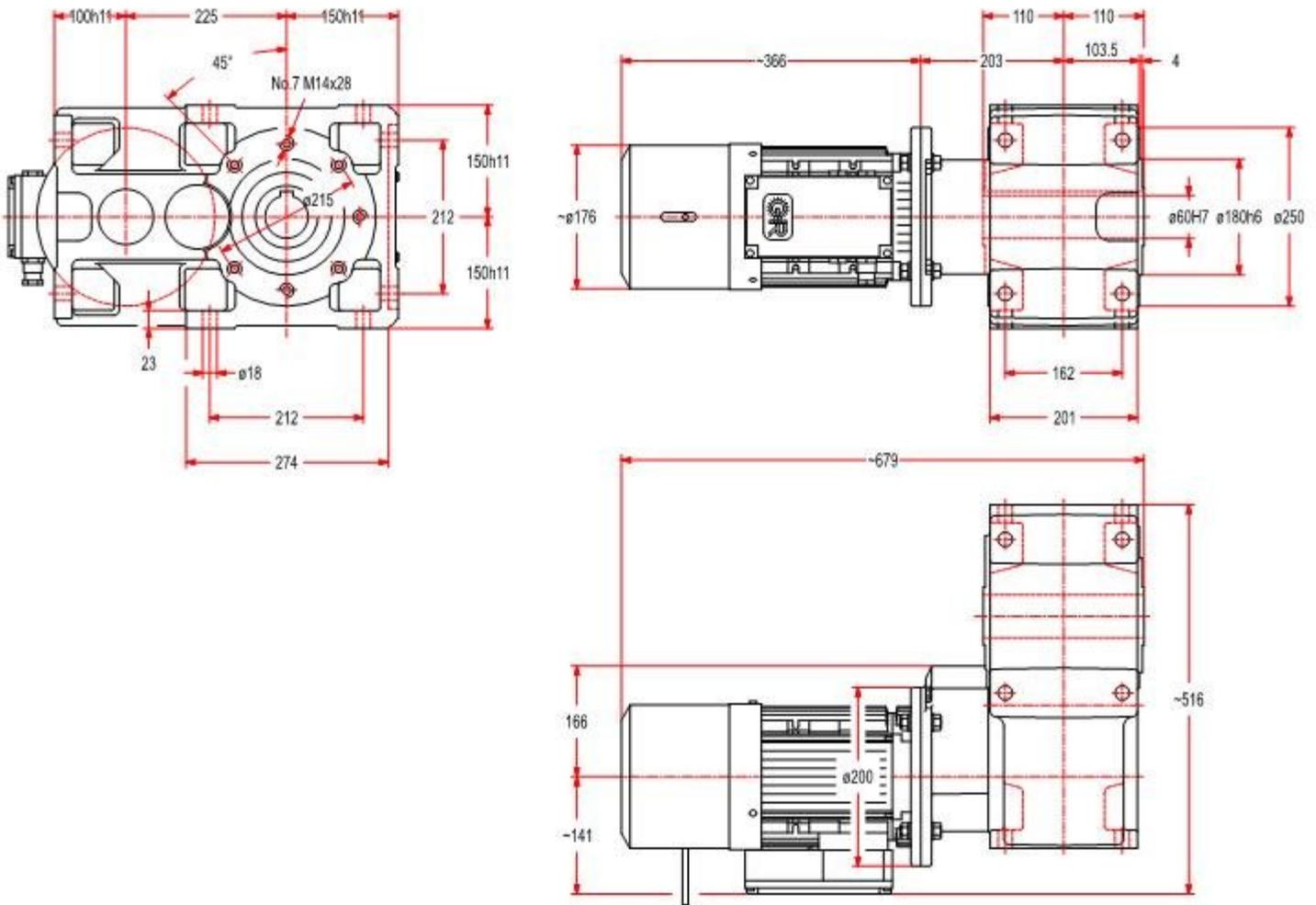
Designation: HBZ 90LC 6 230.400-50 B5

Electric motor technical data TX catalog

Type		HBZ 90LC 6
Coupling dimensions \varnothing D x P		24x200
Power supply	V-Hz	230.400 - 50
Nominal power P_N	[kW]	1.50
Nominal speed n	[min ⁻¹]	910
Motor mass	[kg]	25.00
Directive		ErP
Efficiency class		-
Insulation class		F
Temperature rise class		F
Protection grade		IP 55
Duty cycle		S3 70%
Refrigeration method IC STD		IC411
Synchronous speed	[min ⁻¹]	1,000
Power factor $\cos\phi$		0.680
Moment of inertia J_0	[kg m ²]	0.0069
Efficiency		
100 %		73.80
75 %		72.50
50 %		70.00
Nominal data		
Nominal torque M_N	[N m]	15.70
Nominal starting torque M_S		2.70
Maximum torque M_{max}		2.90
Rated current	[A]	4.30
Starting current ratio		4.30

Painting: RAL5010 Blue, C3 ISO 12944-2

Main dimensions [mm] (for accessories, see following pages)



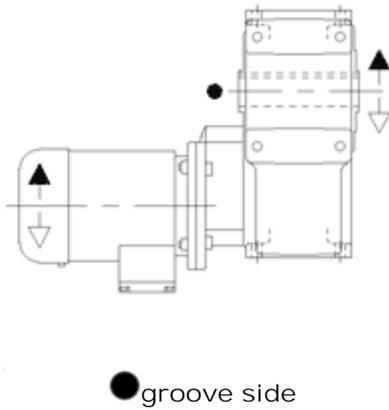
Information

Screws UNI 5737: M 16 x 55
Bolts UNI 5588: M 16

Product liability, application considerations

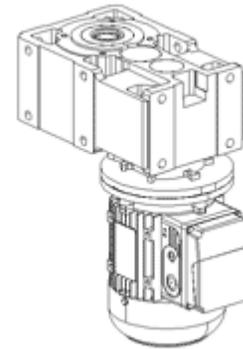
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Design: UP2A

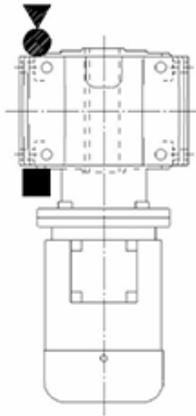


● groove side

Mounting position: V6

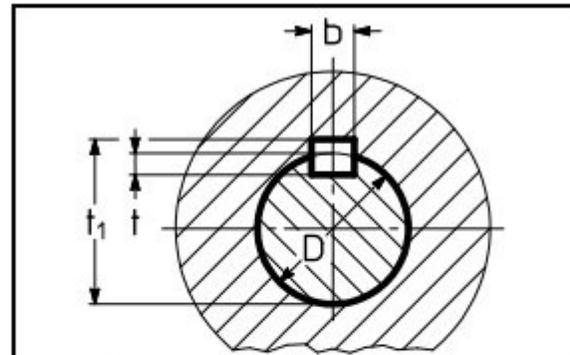


Plugs position (supplied without oil as standard)



- ▼ filler plug
- level plug
- drain plug

Standard low speed shaft



D Ø H7	Parallel key b × h × l*	Keyway		
		b	t	t1
60	18 × 11 × 140	18	7	64.4

* Recommended length

Terminal box position: TBO

