



21.25

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : 2KJ3127-2BC22-4AF1-Z
D01+K01+K06+L02+L53+M12+M65

Client order no. : Item no. :
Order no. : Consignment no. :
Offer no. : Project :
Attention: the motor is able to overload the gear unit. The maximum nominal torque may not be exceeded. For selected output shaft a calculation of the bearing life and the allowable radial load is required!

Motor data																				
U	D/Y	f _N	P _N	P _N	I _N	n _N	T _N	IE-CL	Operating mode	n ₂	T ₂	f _B	η [%]			cos φ	I _A /I _N	T _A /T _N	T _K /T _N	T _H /T _N
[V]		[Hz]	[kW]	[hp]	[A]	[rpm]	[Nm]			[rpm]	[Nm]		4/4	3/4	2/4					
230	D	50	0.120	0.16	0.77	1,390	0.82	IE2	S1	0.387	2,229.42	0.20	59.1	56.4	49.0	0.66	3.10	2.40	2.50	2.60
400	Y	50	0.120	0.16	0.44	1,390	0.82	IE2	S1	0.387	2,229.42	0.20	59.1	56.4	49.0	0.66	3.10	2.40	2.50	2.60
460	Y	60	0.120	0.16	0.39	1,710	0.67	IE2	S1	0.476	1,812.58	0.25	64.0	60.3	52.2	0.60	3.70	2.90	3.20	3.20

Motor type	1LE motor with High Efficiency LE63MEB4E
Number of poles	4-pole
Degree of protection	(K01) IP55
Thermal class	155 (F)
Moment of inertia J _{mot}	0.00037 kgm²

Terminal box position	(M65) 3C
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

Geared motor	
Type designation	SIMOGEAR Z59-D19-LE63MEB4E
Gearbox	Helical gearbox Z59-D19
Mounting type gearbox	Foot-mounted design
Output shaft	V30 x 60 mm (Solid shaft with feather key)
Mounting position	(D01) M1
Transmission ratio	3,591.00 (5,229,173 / 1,456)
Nominal torque	450.00 Nm
Gear oil	(K06) Mineral oil CLP VG220
Oil charge	0.8 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	26.9 kg
Housing material first gearbox	Cast iron
Housing material second gearbox	Aluminum

General options	
Surface treatments	Painted
Coating	(L02) Coating for normal environmental stress C1
RAL Color	(L53) 7031 blue gray
Coating on flange	-
Packing	Standard packing

Further information	
General product information	SIMOGEAR
Configurator	2KJ.....
Operating instructions	
Gearbox	BA 2030
Motor	BA 2330
Catalog	MD 50.1 Geared motors

Gearbox options	
Output shaft bearing	Standard bearing
Output shaft sealing	Standard sealing
Gearbox breather	Pressure breather valve
Oil level control	Oil level screw
Oil drain	Oil drain plug

Motor options	
Motor protection	(M12) Temperature switch winding thermostat (NC contact), disconnection

Legend			
U = Voltage	I _N = Rated current	n ₂ = Geared motor output speed	cos φ = Power factor
D / Y = Circuit	n _N = Rated motor speed	T ₂ = Geared motor output torque	I _A /I _N = Relative starting current
f = Frequency	T _N = Rated motor torque	f _B = Service factor	T _A /T _N = Relative starting torque
P _N = Rated motor power	IE-CL = Efficiency class	η = Efficiency	T _K /T _N = Relative breakdown torque
		*) On request	T _H /T _N = Relative average acceleration torque