



19.42

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : 2KJ3104-1FL22-9FF1-Z
D01+H05+K01+K06+L02+L55+M70+N30+N6B+P90

Client order no. : Item no. :
Order no. : Consignment no. :
Offer no. : Project :

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 _{4/4 load}	η _{3/4 load}	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]		[%]	[%]					
400	Y	50	2.200	2.95	4.65	1,455	14.43	-	S3-75%	201.803	104.11	2.79	84.3	85.1	0.81	6.90	2.10	3.30	2.30

Motor type	1LE motor with High Efficiency LE100LE4E
Number of poles	4-pole
Degree of protection	(K01) IP55
Thermal class	155 (F)
Moment of inertia Jmot	0.00860 kgm²
Terminal box position	(M70) 4D
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

Geared motor	
Type designation	SIMOGEAR ZF49-LE100LE4E
Gearbox	Helical gearbox ZF49
Mounting type gearbox	Flange-mounted design
Output shaft	V30 x 60 mm (Solid shaft with feather key)
Mounting position	(D01) M1
Transmission ratio	7.21 (649 / 90)
Nominal torque	290.00 Nm
Gear oil	(K06) Mineral oil CLP VG220
Oil charge	0.6 l
Specification	CE (Europe / other countries)
Additional specifications	(N30) EAC (Russia)
Environment temperature	-15 ... +40 °C
Weight without oil	41.1 kg
Housing material first gearbox	Cast iron

General options	
Surface treatments	Painted
Coating	(L02) Coating for normal environmental stress C1
RAL Color	(L55) 7030 stone 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	
Flange diameter	(H05) 200 mm
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	Without

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