



19.42

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : 2KJ3513-5LN33-4AN1-Z
D21+K01+K06+K19+L02+L75+M55+N23+W22+W49

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	D	50	30.000	40.23	55.00	1,470	194.89	IE3	S1	51.290	5,585.78	1.37	93.6	94.0	0.84	7.30	2.60	3.10	2.90
690	Y	50	30.000	40.23	31.90	1,470	194.89	IE3	S1	51.290	5,585.78	1.37	93.6	94.0	0.84	7.30	2.60	3.10	2.90
460	D	60	30.000	40.23	48.00	1,778	161.13	IE3	S1	62.037	4,618.14	1.65	94.1	94.2	0.83	8.80	2.60	3.50	2.90

Motor type	1LE motor with Premium Efficiency LES200ZLU4PX
Number of poles	4-pole
Degree of protection	(K01) IP55
Thermal class	155 (F)
Moment of inertia Jmot	0.24000 kgm²
Terminal box position	(M55) 1A
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

Geared motor	
Type designation	SIMOGEAR KA149-LES200ZLU4PX
Gearbox	Bevel gearbox KA149
Mounting type gearbox	Foot-mounted design
Output shaft	H90 mm (Hollow shaft)
Mounting position	(D21) M1 output side B
Transmission ratio	28.66 (36,917 / 1,288)
Nominal torque	7,630.00 Nm
Gear oil	(K06) Mineral oil CLP VG220
Oil charge	9.2 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	481.9 kg
Housing material first gearbox	Cast iron

Gearbox options	
Hollow shaft cover	Sealing cap
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
External ground screw	(N53)
Backstop Motor	(N23)
Rotation output shaft	(K19) CCW (counter clockwise)

General options	
Surface treatments	Painted
Coating	(L02) Coating for normal environmental stress C1
RAL Color	(L75) 7016 anthracite gray
Coating on flange	-
Packing	(W49) Neutral packing ocean freight
Enclosed documentation	(W22) 1 set operating instructions ENGLISH per geared motor

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

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