

Datasheet for SIMOGEAR Geared Motors



2KJ3511-9HL23-4CL1-Z MLFB-Ordering data:

D11+H3C+K01+K06+L02+L75+M55+W22+W49

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

For se	For selected output shaft a calculation of the bearing life and the allowable radial load is required! Motor data																		
U [V]	D/Y	f _N [Hz]	P _N [kW]	P _N [hp]	I _N [A]	n _N [rpm]	T _N [Nm]	IE-CL	Operating mode	n ₂ [rpm]	T ₂ [Nm]	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
400	D	50	7.500	10.05	14.30	1,470	48.72	IE3	S1	65.889	1,087.04	2.19	90.4	91.1	0.84	7.40	2.40	3.50	2.60
690	Υ	50	7.500	10.05	8.30	1,470	48.72	IE3	S1	65.889	1,087.04	2.19	90.4	91.1	0.84	7.40	2.40	3.50	2.60
460	D	60	7.500	10.05	12.70	1,775	40.35	IE2	S1	79.560	900.25	2.64	89.5	89.6	0.83	8.50	2.40	4.00	2.60

Motor type 1LE motor with Premium Efficiency LE132ZMS4P

Number of poles 4-pole Degree of protection (K01) IP55 155 (F) Thermal class Moment of inertia Jmot 0.04600 kgm²

Geared motor					
Type designation	SIMOGEAR KADS109-LE132ZMS4P				
Gearbox	Bevel gearbox KADS109				
Mounting type gearbox	Shaft-mounted design (torque arm)				
Output shaft	HS70 mm (Hollow shaft with shrink disk)				
Mounting position	(D11) M1 output side A				
Transmission ratio	22.31 (52,976 / 2,375)				
Nominal torque	2,380.00 Nm				
Gear oil	(K06) Mineral oil CLP VG220				
Oil charge	3.7				
Specification	CE (Europe / other countries)				
Environment temperature	-15 +40 °C				
Weight without oil	159.3 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	

Terminal box position	(M55) 1A
Electrical connection at terminal box	Cable gland metric
Ventilation	Standard fan

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 D / Y = Circuit f = Frequency P_N = Rated motor power I_N = Rated current n_N = Rated motor speed T_N = Rated motor torque IE-CL = Efficiency class

 n_2 = Geared motor output speed T_2 = Geared motor output torque f_B = Service factor

η = Efficiency *) On request

cos φ = Power factor I_A/I_N = Relative starting current T_A/T_N = Relative starting torque $T_{\rm K}/T_{\rm N}$ = Relative breakdown torque $T_{\rm H}/T_{\rm N}$ = Relative average acceleration torque