



19.42

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : **2KJ3601-1CE21-4FP1-Z**
D13+H02+K01+K07+L00+M23+M60

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 _R /T _N	T _H /T _N
[V]		[Hz]	[kW]	[hp]	[A]	[rpm]	[Nm]			[rpm]	[Nm]		[%]	[%]					
230	D	50	0.370	0.49	1.88	1,350	2.61	-	S1	47.669	66.86	1.35	66.0	67.7	0.75	3.20	2.00	2.00	2.50
400	Y	50	0.370	0.49	1.08	1,350	2.61	-	S1	47.669	66.86	1.35	66.0	67.7	0.75	3.20	2.00	2.00	2.50
460	Y	60	0.370	0.49	0.97	1,660	2.12	-	S1	58.615	54.79	1.64	70.0	70.6	0.73	4.00	2.20	2.20	2.40

Motor type	1LE motor with Standard Efficiency LE71MG4F
Number of poles	4-pole
Degree of protection	(K01) IP55
Thermal class	155 (F)
Moment of inertia J_{mot}	kgm ²

Terminal box position	(M60) 2B
Electrical connection at terminal box	Cable gland metric
Ventilation	(M23) External fan

Geared motor

Type designation	SIMOGEAR CF29-LE71MG4F
Gearbox	Helical worm gearbox CF29
Mounting type gearbox	Flange-mounted design
Output shaft	V20 x 40 mm (Solid shaft with feather key)
Mounting position	(D13) M3 output side A
Transmission ratio	28.32 (708 / 25)
Nominal torque	90.00 Nm
Gear oil	(K07) Synthetic oil CLP PG VG220
Oil charge	0.6 l
Specification	CE (Europe / other countries)
Environment temperature	(K95) -20 ... +40 °C
Weight without oil	11.9 kg
Housing material first gearbox	Aluminum

General options

Surface treatments	Unpainted
Coating	(L00) Unpainted
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	(H02) 120 mm
Hollow shaft cover	Sealing cap
Output shaft bearing	Standard bearing
Output shaft sealing	Standard sealing
Gearbox breather	Pressure breather valve
Oil level control	Without
Oil drain	Oil drain plug

Motor options

Motor protection	Without
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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

n₂ = Geared motor output speed
T₂ = 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_R/T_N = Relative breakdown torque
T_H/T_N = Relative average acceleration torque