



20.11

MLFB-Ordering data : 2KJ3620-5BC22-2FC1-Z
D16+H02+K01+K07+L02+L50+M61

Client order no. :

Order no. :

Offer no. :

Item no. :

Consignment no. :

Project :

Attention: the motor is able to overload the gear unit. The maximum nominal torque may not be exceeded.

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]		[%]	[%]					
230	D	50	0.120	0.16	0.77	1,390	0.82	IE2	S1	4.117	162.84	0.58	59.1	56.4	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	4.117	162.84	0.58	59.1	56.4	0.66	3.10	2.40	2.50	2.60
460	Y	60	0.140	0.18	0.42	1,685	0.79	IE2	S1	4.991	164.34	0.57	64.0	61.4	0.66	3.50	2.40	2.70	2.60

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 (M61) 2C

Electrical connection at terminal box Cable gland metric

Ventilation Standard fan

Geared motor

Type designation SIMOGEAR CAF29-Z19-LE63MEB4E

Gearbox Helical worm gearbox CAF29-Z19

Mounting type gearbox Flange-mounted design

Output shaft H20 mm (Hollow shaft)

Mounting position (D16) M6 output side A

Transmission ratio 337.56 (65,824 / 195)

Nominal torque 94.00 Nm

Gear oil (K07) Synthetic oil CLP PG VG220

Oil charge 0.5 l

Specification CE (Europe / other countries)

Environment temperature (K95) -20 ... +40 °C

Weight without oil 12.6 kg

Housing material first gearbox Aluminum

Housing material second gearbox Aluminum

General options

Surface treatments Painted

Coating (L02) Coating for normal environmental stress C1

RAL Color (L50) 5015 sky blue

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 (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

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_K/T_N = Relative breakdown torque
T_H/T_N = Relative average acceleration torque