



19.42

MLFB-Ordering data : **2KJ3411-5JR23-4FM1-Z**
D02+G20+G24+G34+H10+K01+K06+L02+L50+M10+M55

Client order no. :

Order no. :

Offer no. :

Item no. :

Consignment 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	11.000	14.75	20.50	1,475	71.22	IE3	S1	9.349	11,235.29	1.21	91.4	91.9	0.84	6.80	2.20	3.20	2.40
690	Y	50	11.000	14.75	11.90	1,475	71.22	IE3	S1	9.349	11,235.29	1.21	91.4	91.9	0.84	6.80	2.20	3.20	2.40
460	D	60	11.000	14.75	18.00	1,780	59.01	IE3	S1	11.282	9,310.47	1.46	92.4	92.4	0.83	7.90	2.30	3.70	2.50

Motor type	1LE motor with Premium Efficiency LE160MPB4P
Number of poles	4-pole
Degree of protection	(K01) IP55
Thermal class	155 (F)
Moment of inertia J_{mot}	0.07100 kgm ²

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

Geared motor

Type designation	SIMOGEAR FDAF169-LE160MPB4P
Gearbox	Parallel shaft gearbox FDAF169
Mounting type gearbox	Flange-mounted design
Output shaft	H100 mm (Hollow shaft)
Mounting position	(D02) M2
Transmission ratio	157.76 (56,320 / 357)
Nominal torque	13,600.00 Nm
Gear oil	(K06) Mineral oil CLP VG220
Oil charge	52.2 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	593.0 kg
Housing material first gearbox	Cast iron

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
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Gearbox options

Flange diameter	(H10) 550 mm
Hollow shaft cover	Sealing cap
Output shaft bearing	(G20) Radial reinforced bearing
Output shaft sealing	(G24) Seal for increased environmental stress
Gearbox breather	Pressure breather valve
Oil level control	(G34) Oil sight glass
Oil drain	Oil drain plug

Motor options

Motor protection	(M10) Temperature sensor PTC thermistor, disconnection
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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_K/T_N = Relative breakdown torque
T_H/T_N = Relative average acceleration torque