



19.42

MLFB-Ordering data : 2KJ3210-1HJ23-2AD1-Z
D01+K01+K07+L03+L50+M41+M55+N41+N54

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	5.500	7.37	10.50	1,470	35.73	IE3	S1	19.891	2,640.51	1.17	89.6	90.1	0.84	7.20	2.10	3.40	2.30
690	Y	50	5.500	7.37	6.10	1,470	35.73	IE3	S1	19.891	2,640.51	1.17	89.6	90.1	0.84	7.20	2.10	3.40	2.30
460	D	60	6.300	8.44	10.50	1,770	33.99	IE2	S1	23.951	2,512.00	1.23	89.5	89.8	0.84	7.30	2.30	3.40	2.50

Motor type	1LE motor with Premium Efficiency LE132ZST4P
Number of poles	4-pole
Degree of protection	(K01) IP55
Thermal class	155 (F)
Moment of inertia J _{mot}	0.03400 kgm ²

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

Geared motor

Type designation	SIMOGEAR D109-LE132ZST4P
Gearbox	Helical gearbox D109
Mounting type gearbox	Foot-mounted design
Output shaft	V60 x 120 mm (Solid shaft with feather key)
Mounting position	(D01) M1
Transmission ratio	73.90 (391,085 / 5,292)
Nominal torque	3,100.00 Nm
Gear oil	(K07) Synthetic oil CLP PG VG220
Oil charge	2.9 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	172.6 kg
Housing material first gearbox	Cast iron

General options

Surface treatments	Painted
Coating	(L03) Coating for low environmental stress C2
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

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
Increased air humidity/temperature	(N54)
Internal corrosion protection	(N41)
Anti-condens. heating	(M41) 230 V Anti-condensation heating

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