



19.42

MLFB-Ordering data : 2KJ3005-1KL33-9AF1-Z
D01+G34+K01+K06+L05+L75+M41+M55+N1S+N41

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]		[%]	[%]					
380	D	50	18.500	24.80	36.80	1,470	120.18	IE3	S1	542.435	325.71	1.67	92.6	93.1	0.82	7.20	2.50	3.30	2.80
660	Y	50	18.500	24.80	21.20	1,470	120.18	IE3	S1	542.435	325.71	1.67	92.6	93.1	0.82	7.20	2.50	3.30	2.80

Motor type 1LE motor with Premium Efficiency LES180MQ4P

Number of poles 4-pole

Degree of protection (K01) IP55

Thermal class 155 (F)

Moment of inertia J_{mot} 0.13000 kgm²

Terminal box position (M55) 1A

Electrical connection at terminal box Cable gland metric

Ventilation Standard fan

Geared motor

Type designation SIMOGEAR E109-LES180MQ4P
Gearbox Helical gearbox E109

Mounting type gearbox Foot-mounted design
Output shaft V50 x 100 mm (Solid shaft with feather key)

Mounting position (D01) M1

Transmission ratio 2.71 (19 / 7)

Nominal torque 545.00 Nm

Gear oil (K06) Mineral oil CLP VG220

Oil charge 1.6 l

Specification CE (Europe / other countries)

Environment temperature -15 ... +40 °C

Weight without oil 232.0 kg

Housing material first gearbox Cast iron

General options

Surface treatments Painted
Coating (L05) Coating for very high environmental stress C5
RAL Color (L75) 7016 anthracite gray
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 (G34) Oil sight glass
Oil drain Oil drain plug

Motor options

Motor protection Without
External ground screw (N53)
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