



1.783

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : 2KJ3404-9DF23-9AG1-Z
D05+H7A+K01+K12+L02+L75+M45+M62+N38+N4N

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Motor data

U [V]	D/Y	f _N [Hz]	P _N [kW]	P _N [hp]	I _N [A]	n _N [rpm]	T _N [Nm]	IE-CL	Operating mode	n ₂ [rpm]	T ₂ [Nm]	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
230	YY	60	0.750	1.00	3.18	1,760	4.06	IE3	CONT.	15.908	450.22	1.33	83.5	82.6	0.71	8.30	3.10	4.70	3.40
460	Y	60	0.750	1.00	1.59	1,760	4.06	IE3	CONT.	15.908	450.22	1.33	83.5	82.6	0.71	8.30	3.10	4.70	3.40

Motor type 1LE motor with Premium Efficiency LE80ZMQ4P

Number of poles 4-pole

Degree of protection (K01) IP55

Thermal class 155 (F)

Moment of inertia J_{mot} 0.00290 kgm²

Terminal box position (M62) 2D

Electrical connection at terminal box (M45) Cable gland NPT

Ventilation Standard fan

Geared motor

Type designation SIMOGEAR FDA69-LE80ZMQ4P

Gearbox Parallel shaft gearbox FDA69

Mounting type gearbox Foot-mounted design

Output shaft H1.5" (Hollow shaft)

Mounting position (D05) M5

Transmission ratio 110.63 (6970 / 63)

Nominal torque 600.00 Nm

Gear oil (K12) Synthetic oil CLP PAO VG220

Oil charge 1.8 l

Specification CE (Europe / other countries)

Additional specifications (N38) UL-R/CSA (North America)

Environment temperature -15 ... +40 °C

Weight without oil 37.0 kg

Housing material first gearbox Cast iron

General options

Surface treatments Painted

Coating (L02) Coating for normal environmental stress C1

RAL Color (L75) 7016 anthracite gray

Coating on flange -

Packing Standard packing

Liability for defects 12 months from date of delivery (standard)

Further information

General product information [SIMOGEAR](#)

Configurator [2KJ.....](#)

Operating instructions

Gearbox [BA 2030](#)

Motor [BA 2330](#)

Catalog [MD 50.1](#) Geared motors

Gearbox options

Hollow shaft cover Sealing cap

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

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