



19.42

MLFB-Ordering data : 2KJ3513-9LN33-2FH1-Z
D16+H09+H3A+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	30.000	40.23	55.00	1,470	194.89	IE3	S1	102.225	2,802.64	2.38	93.6	94.0	0.84	7.30	2.60	3.10	2.90
690	Y	50	30.000	40.23	31.90	1,470	194.89	IE3	S1	102.225	2,802.64	2.38	93.6	94.0	0.84	7.30	2.60	3.10	2.90
460	D	60	34.500	46.26	55.00	1,770	186.14	IE2	S1	123.087	2,676.74	2.49	93.0	93.3	0.85	7.30	2.40	3.00	2.60

Motor type 1LE motor with Premium Efficiency LES200ZLU4P

Number of poles 4-pole

Degree of protection (K01) IP55

Thermal class 155 (F)

Moment of inertia J_{mot} 0.24000 kgm²

Terminal box position (M55) 1A

Electrical connection at terminal box Cable gland metric

Ventilation Standard fan

Geared motor

Type designation SIMOGEAR KAFS149-LES200ZLU4P

Gearbox Bevel gearbox KAFS149

Mounting type gearbox Flange-mounted design

Output shaft HS95 mm (Hollow shaft with shrink disk)

Mounting position (D16) M6 output side A

Transmission ratio 14.38 (10,469 / 728)

Nominal torque 6,660.00 Nm

Gear oil (K06) Mineral oil CLP VG220

Oil charge 23.5 l

Specification CE (Europe / other countries)

Environment temperature -15 ... +40 °C

Weight without oil 555.2 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

Gearbox options

Flange diameter (H09) 450 mm

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 (M10) Temperature sensor PTC thermistor, disconnection

External ground screw (N53)

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