



8.1

## Datasheet for SIMOGEAR Geared Motors

**MLFB-Ordering data :** 2KJ3510-5HJ23-9CM1-Z  
D11+K01+K06+L02+L75+M45+M60+N38+N4N

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

### Motor data

U [V]	D/Y	f <sub>N</sub> [Hz]	P <sub>N</sub> [kW]	P <sub>N</sub> [hp]	I <sub>N</sub> [A]	n <sub>N</sub> [rpm]	T <sub>N</sub> [Nm]	IE-CL	Operating mode	n <sub>2</sub> [rpm]	T <sub>2</sub> [Nm]	f <sub>B</sub>	η <sub>4/4 load</sub> [%]	η <sub>3/4 load</sub> [%]	cos φ	I <sub>A</sub> /I <sub>N</sub>	T <sub>A</sub> /T <sub>N</sub>	T <sub>K</sub> /T <sub>N</sub>	T <sub>H</sub> /T <sub>N</sub>
230	YY	60	5.500	7.37	18.60	1,775	29.59	IE3	CONT.	71.399	735.64	2.17	91.7	91.6	0.81	10.00	3.10	4.20	3.40
460	Y	60	5.500	7.37	9.30	1,775	29.59	IE3	CONT.	71.399	735.64	2.17	91.7	91.6	0.81	10.00	3.10	4.20	3.40

**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<sub>mot</sub>** 0.03400 kgm²

**Terminal box position** (M60) 2B

**Electrical connection at terminal box** (M45) Cable gland NPT

**Ventilation** Standard fan

### Geared motor

**Type designation** SIMOGEAR KAD89-LE132ZST4P

**Gearbox** Bevel gearbox KAD89

**Mounting type gearbox** Shaft-mounted design (torque arm)

**Output shaft** H50 mm (Hollow shaft)

**Mounting position** (D11) M1 output side A

**Transmission ratio** 24.86 (2,387 / 96)

**Nominal torque** 1,600.00 Nm

**Gear oil** (K06) Mineral oil CLP VG220

**Oil charge** 2.1 l

**Specification** CE (Europe / other countries)

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

**Environment temperature** -15 ... +40 °C

**Weight without oil** 118.3 kg

**Housing material first gearbox** Cast iron

### 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

### 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

#### Legend

U = Voltage  
D / Y = Circuit  
f = Frequency  
P<sub>N</sub> = Rated motor power

I<sub>N</sub> = Rated current  
n<sub>N</sub> = Rated motor speed  
T<sub>N</sub> = Rated motor torque  
IE-CL = Efficiency class

n<sub>2</sub> = Geared motor output speed  
T<sub>2</sub> = Geared motor output torque  
f<sub>B</sub> = Service factor  
η = Efficiency  
) On request

cos φ = Power factor  
I<sub>A</sub>/I<sub>N</sub> = Relative starting current  
T<sub>A</sub>/T<sub>N</sub> = Relative starting torque  
T<sub>K</sub>/T<sub>N</sub> = Relative breakdown torque  
T<sub>H</sub>/T<sub>N</sub> = Relative average acceleration torque