



INTECNEA S.L.

GRINDING PLANT

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3.5 MILL FEEDING BELT CONVEYOR



19.42

Datasheet for SIMOGEAR Geared Motors

MLFB-Ordering data : **2KJ3511-5HJ23-4CQ1-Z**
D11+K01+K06+K18+L02+L75+M10+M59+N23

Client order no. : _____ Item no. : M13
 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 _B /T _N	T _H /T _N
400	D	50	5.500	7.37	10.50	1,470	35.73	IE3	S1	36.795	1,427.46	1.98	89.6	90.6	0.84	7.20	2.10	3.40	3.00
690	Y	50	5.500	7.37	6.10	1,470	35.73	IE3	S1	36.795	1,427.46	1.98	89.6	90.6	0.84	7.20	2.10	3.40	3.00
460	D	60	5.500	7.37	9.30	1,775	29.59	IE2	S1	44.430	1,182.17	2.39	89.5	89.4	0.83	8.20	2.60	3.90	2.90

Motor type 1LE motor with Premium Efficiency LE132ZST4PX
Number of poles 4-pole
Degree of protection (K01) IP55
Thermal class 155 (F)
Moment of inertia J_{mot} 0.03400 kgm²

Terminal box position (M59) 2A
Electrical connection at terminal box Cable gland metric
Ventilation Standard fan

Geared motor

Type designation SIMOGEAR KAD109-LE132ZST4PX
Gearbox Bevel gearbox KAD109
Mounting type gearbox Shaft-mounted design (torque arm)
Output shaft H60 mm (Hollow shaft)
Mounting position (D11) M1 output side A
Transmission ratio 39.95 (151618 / 3795)
Nominal torque 2,820.00 Nm
Gear oil (K06) Mineral oil CLP VG220
Oil charge 3.7 l
Specification CE (Europe / other countries)
Environment temperature -15 ... +40 °C
Weight without oil 155.8 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

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 (M10) Temperature sensor PTC thermistor, disconnection
Backstop Motor (N23)
Rotation output shaft (K18) CW (clockwise)

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_B/T_N = Relative breakdown torque
 T_H/T_N = Relative average acceleration torque

