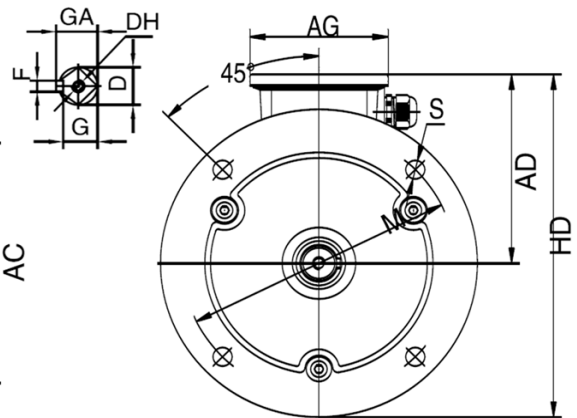
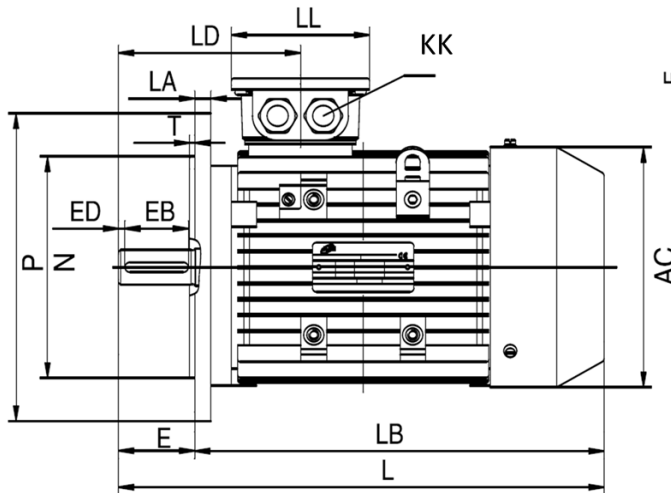



Motortype **FCA 112M - 4 / HE**
 High Efficiency

IM B5 / IM 3001


TYP	AC	AD	AG	D	DH	E	EB	ED	F	G	GA	HD	KK	L	LA	LB	LD	LL	M	N	P	S	T
112 M	219	169	117,5	28	M10X22	60	50	5	8	24	31	294	2-M32X1,5	401	14	341	152	117,5	215	180	250	14,5	4

Electrical datas

Rated motor power	4,00 / 4,80	KW 50 / 60 Hz
Rated motor speed	1445	min-1 / 50 Hz
	1734	min-1 / 60 Hz
Rated motor voltage	400	V Δ / 50 Hz
(+/- 5%)	690	V Y / 50 Hz
	480	V Δ / 60 Hz
	830	V Y / 60 Hz
Rated motor torque	26,4	Nm (Mn)
Rated motor current 50Hz	8,1 / 4,71	A (In)
Rated motor current 60Hz	8,1 / 4,70	A (In)
Starting motor current	7,6	x In
Starting motor torque	2,3	x Mn
Breakdown motor tor.	2,3	x Mn
Efficiency	86,6%	by 100 % Load
	86,9%	by 75 % Load
	84,9%	by 50 % Load
Efficiency class	IE2	
Power factor at	0,82	by 100 % Load

Mechanical datas

Noise level	53,0	dB(A)
Moment of inertia	0,00950	Kgm ²
Bearing A - Site	6306.ZZ.C3	
Bearing B - Site	6306.ZZ.C3	
Bearing lifetime	20000 h	by max Fr + Fx
max. Radialload (Fr)	1914 N	middle of shaft
max. Axialload (Fx)	1440 N	pull force
	1440 N	pressure force
Locating bearing	loose	Standard

Explosion protection

type of protection	Without
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General datas

Frame size	112 M
Type of construction	IM B5 / IM 3001
Weight	32,2 kg
Frame material	Aluminium
Protection	IP 55
Insulation	F utilized to B
Tropical insulation	no
Vibration level	A
Duty type	S1
Direction of rotation	bi-directional
Method of cooling	IC 411
Cable entries	2 x M32x1,5
Norm / Standards	IEC / DIN / ISO / VDE / EN
Execute at	IEC 60034 -1
Paintwork	RAL 7030 gray
Warranty	12 month

Site conditions

Ambient temperature	- 20 bis + 40 °C
Altitude above sea level	1000 m over sea

Special configurations

Feet removeable
 3 PTC Thermistor sensors
 Isolationsystem certified to
 electrical acc. UL No. E 480221
 CC number 091B