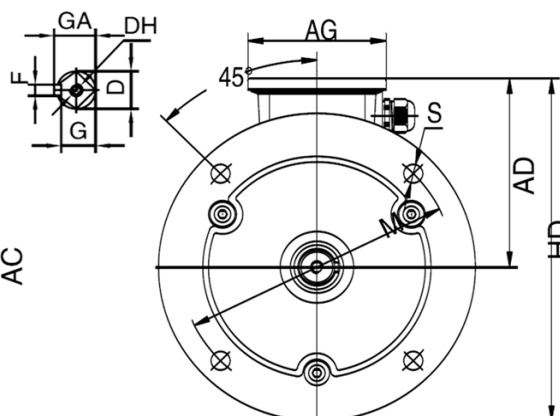
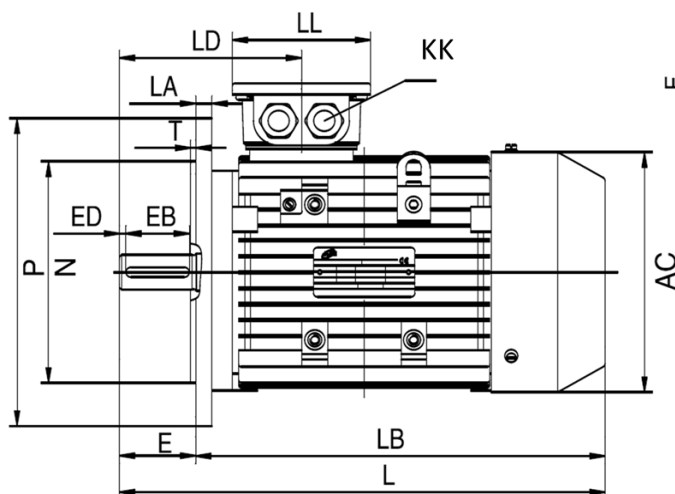



Motortype FCA 100LB - 4 / HE
 High Efficiency

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
100 L	195	151	109	28	M10X22	60	50	5	8	24	31	276	1-M25X1,5	383	13	323	144	109	215	180	250	14,5	4

Electrical datas

Rated motor power	3,00 / 3,60	KW 50 / 60 Hz
Rated motor speed	1440	min-1 / 50 Hz
	1728	min-1 / 60 Hz
Rated motor voltage	230	V Δ / 50 Hz
(+- 5%)	400	V Y / 50 Hz
	276	V Δ / 60 Hz
	480	V Y / 60 Hz
Rated motor torque	19,9	Nm (Mn)
Rated motor current 50Hz	10,74 / 6,18	A (In)
Rated motor current 60Hz	10,74 / 6,18	A (In)
Starting motor current	7,5	x In
Starting motor torque	2,3	x Mn
Breakdown motor tor.	2,3	x Mn
Efficiency	85,5%	by 100 % Load
	85,8%	by 75 % Load
	83,8%	by 50 % Load
Efficiency class	IE2	
Power factor at	0,82	by 100 % Load

Mechanical datas

Noise level	52,0	dB(A)
Moment of inertia	0,00680	Kgm ²
Bearing A - Site	6206 2Z C3	
Bearing B - Site	6206 2Z C3	
Bearing lifetime	20000 h	by max Fr + Fx
max. Radialload (Fr)	1268 N	middle of shaft
max. Axialload (Fx)	880 N	pull force
	880 N	pressure force
Locating bearing	loose	Standard

Explosion protection

type of protection	Without
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General datas

Frame size	100L
Type of construction	IM B5 / IM 3001
Weight	27,5 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	1 x M25x1,5
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