

THREE-PHASE-ASYNCHRONOUS-MOTOR FOPA 80 B 4 /PHE

IE3OG08B4051

General data

Type of motor	3~
Type designation	FOPA
Frame size	80
Mounting	B35
Frame material	Aluminium
Insulationclass	F/B
Terminal box location	top DE
Terminal box orientation	cable gland to the right side
Weight (kg)	12
Rotation Direction	right /left
Vibration level	A
Balancing method	half key
cooling type	IC411
Executed acc. to	IEC 60034-1
noise level	IEC 60034-9

Influential factors

Duty	S1
Ambient temperature (°C)	-20 up to +40
Height of location (m)	1000

Electrical specification

Power 1 50Hz (kW)	0.75
Power 1 60Hz (kW)	0.75
Frequency (Hz)	50/60
Voltage 50Hz (V)	230/400
Voltage 60Hz (V)	-/460
Voltage/Frequency tolerance (not valid for range voltage)	+/-10%
Connection	Δ/Y
Poles	4
Efficiency 100% 50Hz (%)	82,5
Efficiency 75% 50Hz (%)	82,3
Efficiency 50% 50Hz (%)	79,0
Efficiency 100% 60Hz (%)	83,5
Efficiency 75% 60Hz (%)	83,3
Efficiency 50% 60Hz (%)	80,0
Power factor	0,65
Starting current factor	6
Starting torque factor	3,2
Tilting moment factor	3,6
Rated current 50Hz (A)	3,49/2,01
Rated current 60Hz (A)	0,00/1,72
Eff.Cl.50Hz	IE3
Eff.Cl.60Hz	IE3

Mechanical data

Torque (Nm)	5,00/4,16
Rotation speed (1/min)	1435/1720
Bearing DE	6204.ZZ.CM
Bearing NDE	6204.ZZ.CM
Mounting of bearing DE	loose bearing
Mounting of bearing NDE	loose bearing
Bearing lifetime	20000
Moment of inertia	0,0022

Motor properties

Color	RAL7030
Paint surface	shiny
Protection class	IP55
Cable gland size (cable connection)	M25x1,5
Cable gland size (option)	M20x1,5
Cable gland type	Standard
Shaft end	19 x 40
Shaft material	C40
Specification NDE	Plastic fan
Flange	200

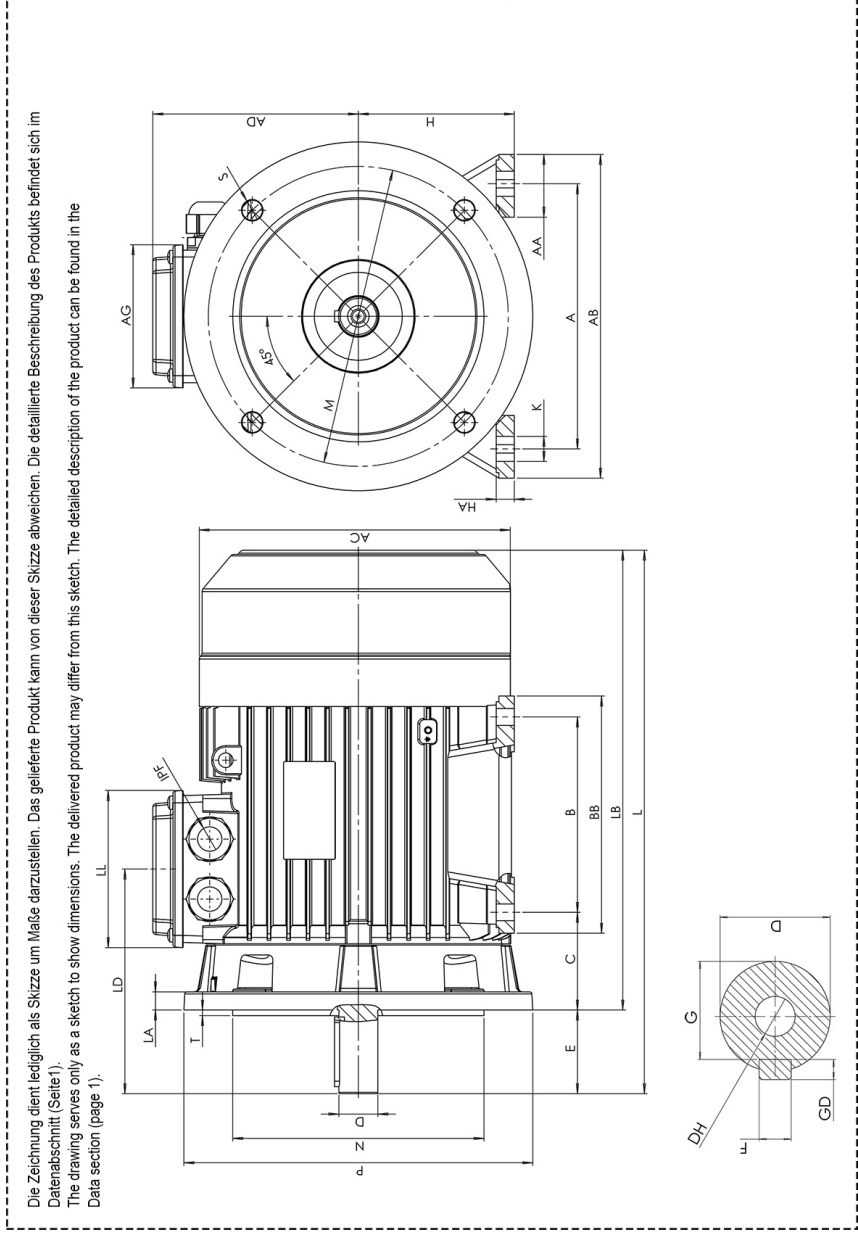
Additional option

Protection winding	PTC 150°C
Condensate draining hole	✓
Condensate draining hole sealing screw	✓

Dimension drawings

Three-Phase-Asynchronous- Motor FOPA 80 B 4 /PHE

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A	AA	AB	AC	AD	B	BB	C	D	E	H	HD	HA	K	L	LA	M	N	P	S	T	F	G	DH	GD
125	36	164	160	121	100	124	50	19	40	80	194,5	12	10	289	12	165	130	200	4x12	3,5	6	15,5	M6	6