

THREE-PHASE-ASYNCHRONOUS-MOTOR E2-ASA 71 A 4

IE2UM07A4050

General data

Type of motor	3~ explosion proof
Type designation	E2-ASA
Frame size	71
Mounting	B14a
Frame execution	A
Frame material	Grauguß
Insulationclass	F/F
Terminal box location	top DE
Terminal box orientation	cable gland to the right side
Weight (kg)	16.5
Rotation Direction	right /left
Vibration level	A
Balancing method	half key
cooling type	IC411
Executed acc. to noise level	IEC 60034 -1, EN 60079-0/-1 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)	0.25
Power 1 60Hz (kW)	0.29
Frequency (Hz)	50/60
Voltage 50Hz (V)	230/400
Voltage 60Hz (V)	-/460
Voltage/Frequency tolerance (not valid for range voltage)	+/-5%
Connection	Δ/Y
Poles	4
Efficiency 100% 50Hz (%)	68,5
Efficiency 75% 50Hz (%)	66,9
Efficiency 50% 50Hz (%)	62,0
Efficiency 100% 60Hz (%)	68,5
Power factor	0,71
Starting current factor	4,6
Starting torque factor	2,0
Tilting moment factor	2,3
Rated current 50Hz (A)	1,30/0,75
Rated current 60Hz (A)	0,75
Eff.Cl.50Hz	IE2
Eff.Cl.60Hz	IE2

Mechanical data

Torque (Nm)	1,68/1,61
Rotation speed (1/min)	1420/1704
Bearing DE	6203.ZZ.C3
Bearing NDE	6203.ZZ.C3
Mounting of bearing DE	fixed bearing
Mounting of bearing NDE	loose bearing
Bearing lifetime	20000
allow. Radial load (X/2)	412
allow. Radial load (X0)	450
allow. Radial load (Xmax)	375
allow. Axial load B3,B5,B35,B14,B34	400
allow. Axial load V1,V3,V19,V18	380
Moment of inertia	0,00118

Motor properties

Color	RAL7030
Paint surface	matt
Protection class	IP55
Cable gland size (cable connection)	M20x1,5
Cable gland size (option)	M20x1,5
Cable gland type	Atex
Shaft end	14 x 30
Shaft material	C45
Specification NDE	Plastic fan
Flange	105

Additional option

Protection winding	PTC 130°C
Atex	II 2G Ex db IIC T4 Gb

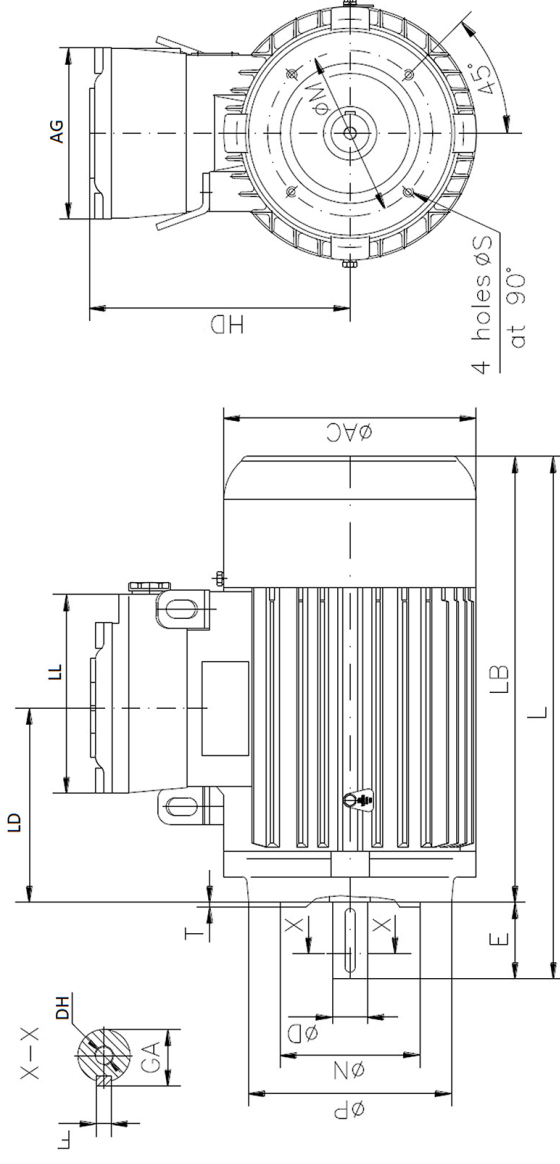
Dimension drawings

Three-Phase-Asynchronous- Motor E2-ASA 71 A 4

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Die Zeichnung dient lediglich als Skizze um Maße darzustellen. Das gelieferte Produkt kann von dieser Skizze abweichen. Die detaillierte Beschreibung des Produkts befindet sich im Datenabschnitt (Seite 1).
 The drawing serves only as a sketch to show dimensions. The delivered product may differ from this sketch. The detailed description of the product can be found in the Data section (page 1).



AC	AG	D	E	H	HD	L	LD	LL	M	N	P	S	T	F	G	DH
140	95	14	30	71	151	295	80	105	85	70	105	M6	2,5	5	16	M5