

## THREE-PHASE-ASYNCHRONOUS-MOTOR E3-ASA 225 M 6

IE3UM22MA602

### General data

Type of motor	3~ explosion proof
Type designation	E3-ASA
Frame size	225
Mounting	B35
Frame execution	M
Frame material	Grauguß
Insulationclass	F/F
Terminal box location	top DE
Terminal box orientation	cable gland to the right side
Weight (kg)	406
Rotation Direction	right /left
Vibration level	A
Balancing method	half key
cooling type	IC411
Executed acc. to	IEC 60034 -1, EN 60079-0/-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)	30
Frequency (Hz)	50
Voltage 50Hz (V)	400/690
Voltage/Frequency tolerance (not valid for range voltage)	+/-5%
Connection	Δ/Y
Poles	6
Efficiency 100% 50Hz (%)	93,0
Efficiency 75% 50Hz (%)	93,3
Efficiency 50% 50Hz (%)	92,4
Power factor	0,89
Starting current factor	7,1
Starting torque factor	1,9
Tilting moment factor	2,7
Rated current 50Hz (A)	52,00/30,20
Eff.Cl.50Hz	IE3

### Mechanical data

Torque (Nm)	292,34
Rotation speed (1/min)	980
Bearing DE	
Bearing NDE	

### Mechanical data

Mounting of bearing DE	fixed bearing
Mounting of bearing NDE	loose bearing
Bearing lifetime	20000
allow. Radial load (X/2)	6062
allow. Radial load (X0)	6775
allow. Radial load (Xmax)	5350
allow. Axial load B3,B5,B35,B14,B34	5775
allow. Axial load V1,V3,V19,V18	4880
Moment of inertia	0,68931

### Motor properties

Color	RAL7030
Paint surface	matt
Protection class	IP55
Cable gland size (cable connection)	2xM50x1,5
Cable gland size (option)	M20x1,5
Cable gland type	Standard
Shaft end	60 x 140
Shaft material	C45
Specification NDE	Metal fan
Flange	450

### Additional option

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

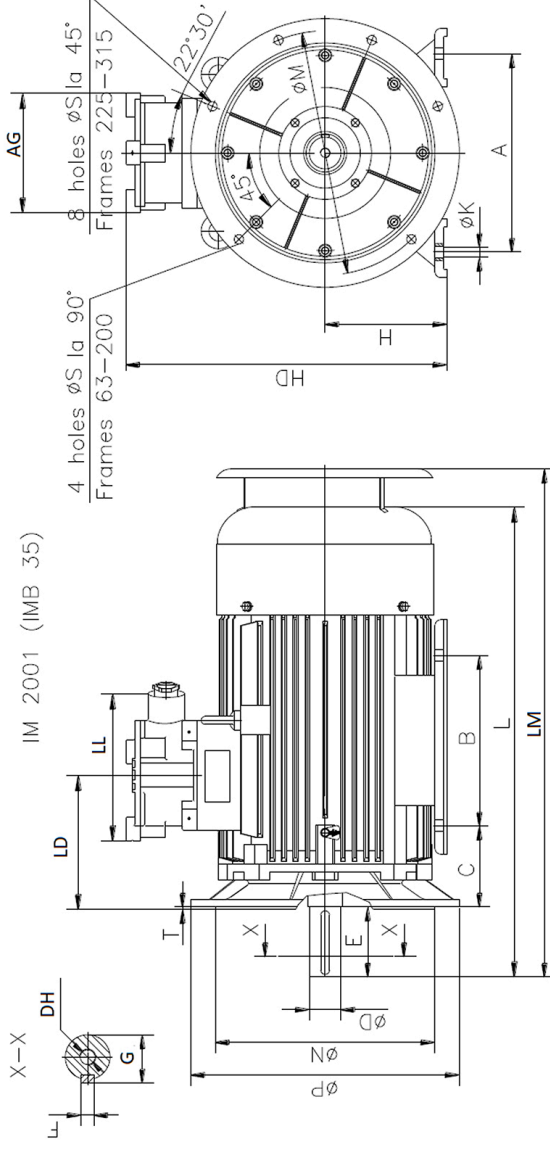
# Dimension drawings

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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).



A	AA	AB	AC	AG	B	B2	BB	C	D	E	H	HD	HA	K	L	LM	LB	LD	LL	M	N	P	S	T
356	100	450	446	240	286	311	430	149	60	140	225	635	20	18,5	1010	1056	870	275	275	400	350	450	18,5	5
F	G	DH																						
18	64	M20																						