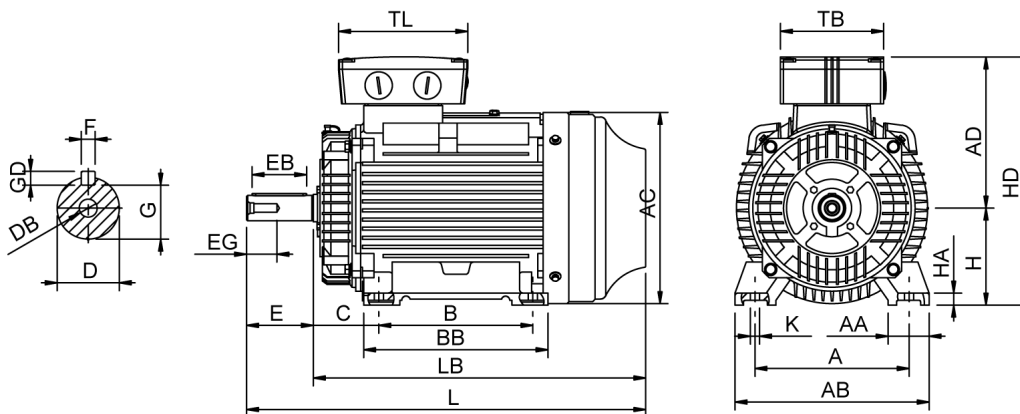


Data Sheet

Itemnumber.....: 6062250100



A = 356	AC = 445	BB = 386	DB = M20	EG = 58	GD = 11	HB = 195	L = 846	TL = 250
AA = 79	AD = 319	C = 149	E = 140	F = 18	H = 225	HD = 544	LB = 706	
AB = 426	B = 311	D = 60	EB = 125	G = 53	HA = 28	K = 18,50	TB = 200	

Version

Type.....: HMC4 225M-6
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE4
Pole.....: 6
Power at 50 Hz (kW).....: 30,0
Hz.....: 50
Voltage.....: 400VD/690VY
Winding voltage.....: 400VD/690VY 50 Hz
Power output (kW).....: 30,0
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

Mechanical design

Frame size.....: 225
Mounting.....: B3
Rain cap.....: No
Protection class.....: IP55
Cooling method.....: IC411/TEFC
External grounding.....: Yes
Drain hole.....: Yes
Frame material.....: Cast Iron
Material approval.....: None
Shaft.....: IEC standard
Key.....: Closed key
Balancing.....: Half key balancing
Vibration class.....: Grade-A
Weight (kg).....: 362

Environment condition

Ambient temp. min. (°C)....: -20
Ambient temp. max. (°C)....: 40
Altitude (mtr up to).....: 1000

Bearing

DE Bearing.....: 6313/C3
NDE Bearing.....: 6312/C3
Fixed bearing.....: DE

Terminal box

Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
Main.....: 2 x M50x1,5
Plastic blindcaps
Accessory.....: 2 x M20x1,5
Plastic blindcaps
Terminal board thread.....: M8

Test values

Rotor inertia (kgm²).....: 0,73
Noise level (dB(A)).....: 59
Starting time (sec.).....: 0,13

Motor protection

Thermal protection main....: PTC 3x 155 dgr
Thermal protection second..: None
Space heater.....: None None
Temperature detector.....: No
SPM.....: No
IR wire.....: No
Tropical insulation.....: No

Explosion protection

According to.....: None
Type of protection.....: None

General

Direction of rotation.....: CW
Painting.....: RAL 9005
Nameplate.....: Multivoltage
Special packing.....: No
Special requirements.....: No

Rated power (kW)	30,0	29,0	36,0	35,0
Frequency (Hz)	50	50	60	60
Voltage (V)	400 690	380 660	480 830	440
Connection	D Y	D Y	D Y	D
Full load current (A)	56,0 32,5	57,5 33,5	56,0 32,5	57,5
Speed (rpm)	980	980	1180	1180
Power factor cos(phi)	0,82	0,83	0,82	0,84
Efficiency, 100/75/50 (%)	94,2/94,1/93,4	94,2/94,1/93,4	94,2/94,1/93,4	93,8/93,7/92,9
Ist/In	8,10	7,15	8,10	7,45
Full load torque (Nm)	290	280	290	280
Tst/Tn	2,40	2,24	2,40	2,08
Tmax/Tn	2,70	2,50	2,70	2,34
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45