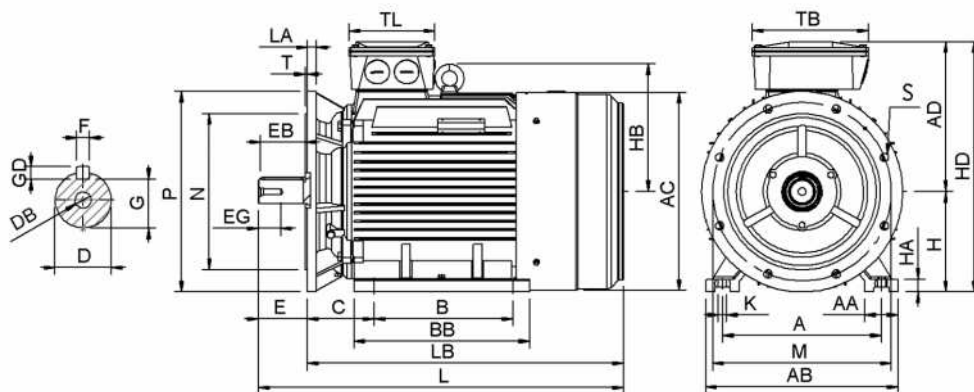


Data Sheet

Itemnumber....: 5542500400



A = 406	AC = 484	BB = 445	DB = M20	EG = 56	GD = 11	HB = 316	L = 909	LE = 873	P = 550	TB = 305
AA = 80	AD = 374	C = 168	E = 140	F = 18	H = 250	HD = 624	LA = 22	M = 500	S = 8-018.5	
AB = 484	B = 349	D = 65	EB = 130	G = 58	HA = 30	K = 4	LB = 769	N = 450	T = 5	

Version

Type..... HMC3 250M-4
 Design..... Induction motor
 Standard series..... IEC 60034
 Phase / Voltage range..... 3~ / Low

Electrical design

Efficiency.....	IE3
Pole.....	4
Power at 50 Hz (kw).....	55,0
Hz.....	50
Voltage.....	400VD/690VY
Winding voltage.....	400VD/690VY 50 Hz
Power output (kw).....	55,0
Duty.....	S1
Insulation class.....	F
Temperature rise.....	B

Mechanical design

Frame size.....	250
Mounting.....	B35
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).....	421

Environment condition

```

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

```

Bearing

Bearing.....: 6314/C3
NDE Bearing.....: 6313/C3
Fixed bearing.....: DE

Terminal box

Tbox position.....	Top
Cable entry direction.....	Right (from DE)
Cable entry	
Main.....	2 x M63x1,5
	Metal blindcaps
Accessory.....	2 x M20x1,5
	Metal blindcaps
Connection type.....	Delta (D)
Terminal board thread.....	6-M10

Test values

```

Test values
Rotor inertia (kgm2).....: 1,01
Noise level (dB(A)).....: 71
No load current (A).....: 30,5
Winding resist. (ohm).....: 0,079
Starting time (sec.).....: 0,17
Temp. rise winding (K).....: 60
Temp. rise surface (K).....: 42

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Motor protection

```

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

```

Explosion protection

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

General

Direction of rotation.....: CW
Painting.....: RAL 9005 Gloss 10
Nameplate.....: Multivoltage
Special packing.....: No
Special requirements.....: No

Rated power (kW)	55,0	53,5	66,0	64,0
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) . . .	96,5 56,0	99,5 57,5	96,5 56,0	99,5
Speed (rpm)	1480	1480	1780	1780
Power factor cos(phi) . . .	0,88	0,89	0,88	0,90
Efficiency, 100/75/50 (%) .	94,7/95,1/93,8	94,7/95,1/93,8	94,7/95,1/93,8	94,3/94,7/93,3
Ist/In	8,5	7,5	8,5	7,8
Full load torque (Nm) . . .	355	345	355	345
Tst/Tn	3	2,8	3	2,6
Tmax /Tn	3,1	2,9	3,1	2,7
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45