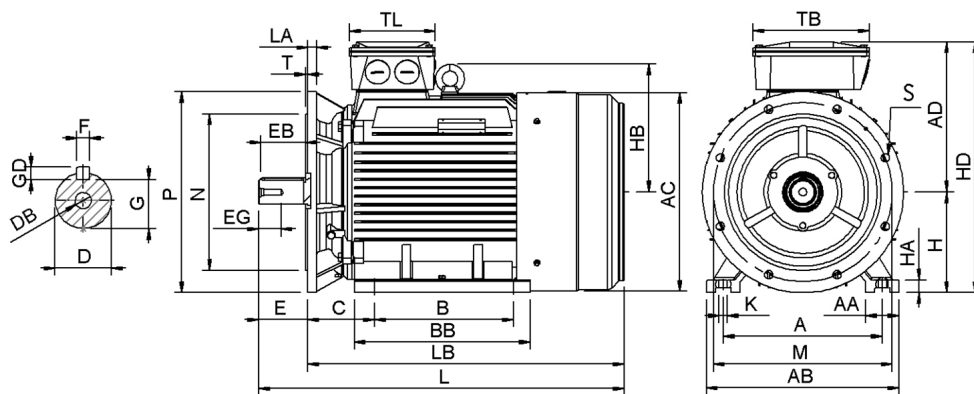


Data Sheet

Itemnumber....: 5563550400



A = 610	AC = 699	BB = 750	DB = M24	EG = 56	GD = 14	HB = 489	L = 1537	M = 740	S = 8-024	TL = 330
AA = 116	AD = 664	C = 254	E = 170	F = 25	H = 355	HD = 1019	LA = 25	N = 680	T = 6	
AB = 726	B = 560	D = 95	EB = 160	G = 86	HA = 52	K = 28	LB = 1367	P = 800	TB = 460	

Version

Type.....: HMC3 355M1-6
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

```

Efficiency..... IE3
Pole..... 6
Power at 50 Hz (kW)..... 160
Hz..... 50
Voltage..... 400VD/690VY
Winding voltage..... 400VD/690VY 50 Hz
Power output (kW)..... 160
Duty..... S1
Insulation class..... F
Temperature rise..... B

```

Mechanical design

```

Mechanical Design.....: 355
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).....: 1.635

```

Environment condition

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

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

```

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

```

General

```

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

```

Bearing

Bearing
DE Bearing.....: 6322/C3
NDE Bearing.....: 6322/C3
Fixed bearing.....: DE

Terminal box

```

Thox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
    Main.....: 2 x M72x2,0
                Metal blindcaps
    Accessory.....: 2 x M20x1,5
                Metal blindcaps
Terminal board thread.....: 6-M16

```

Test values

```

Rotor inertia (kgm2).....: 9,93
Noise level (dB(A)).....: 80
No load current (A).....: 72,0
Winding resist. (ohm).....: 0,025
Starting time (sec.).....: 0,42
Temp. rise winding (K).....: 68
Temp. rise surface (K).....: 58

```

Rated power (kW)	160	156	192	186
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)	275 158	280 162	275 158	280
Speed (rpm)	990	990	1190	1190
Power factor cos(phi)	0,89	0,90	0,89	0,90
Efficiency, 100/75/50 (%) . .	95,6/ 95,9 /94,7	95,6/ 95,9 /94,7	95,6/ 95,9 /94,7	95,3/ 95,6 /94,3
Ist/In	5,50	4,85	5,50	5,10
Full load torque (Nm)	1.540	1.500	1.540	1.500
Tst/Tn	2,00	1,86	2,00	1,74
Tmax/Tn	2,20	2,04	2,20	1,90
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45