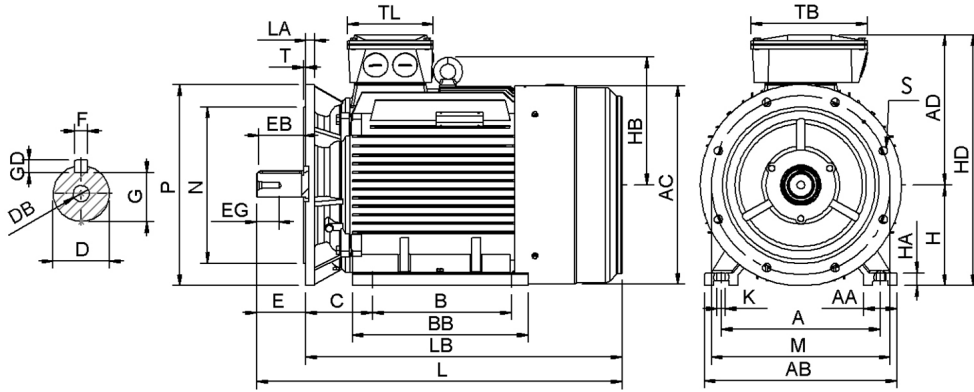


Data Sheet

Itemnumber....: 5563152400



A = 508	AC = 618	BB = 680	DB = M20	EG = 56	GD = 14	HB = 430	L = 1333	M = 600	S = 8-Ø24	TL = 299
AA = 120	AD = 546	C = 216	E = 170	F = 22	H = 315	HD = 861	LA = 22	N = 550	T = 6	
AB = 628	B = 508	D = 80	EB = 160	G = 71	HA = 45	K = 28	LB = 1163	P = 660	TB = 420	

Version

Type.....: HMC3 315L1-6
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....	IE3
Pole.....	6
Power at 50 Hz (kW).....	110
Hz.....	50
Voltage.....	400VD/690VY
Winding voltage.....	400VD/690VY 50 Hz
Power output (kW).....	110
Duty.....	S1
Insulation class.....	F
Temperature rise.....	B

Mechanical design

```

Frame size.....: 315
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).....: 1.100

```

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

DE Bearing.....: 6319/C3
NDE Bearing.....: 6319/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
Terminal board thread.....: 6-M16
```

Test values

Rotor inertia (kgm ²).....	5,91
Noise level (dB(A)).....	78
No load current (A).....	63,5
Winding resist. (ohm).....	0,033
Starting time (sec.).....	0,29
Temp. rise winding (K).....	61
Temp. rise surface (K).....	47

Rated power (kW)	110	106	132	128
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)	192 110	198 114	192 110	198
Speed (rpm)	990	990	1190	1190
Power factor cos(phi)	0,87	0,88	0,87	0,88
Efficiency, 100/75/50 (%)	95,1/ 95,3 /93,9	95,1/ 95,3 /93,9	95,1/ 95,3 /93,9	94,8/ 95,0 /93,5
Ist/In	6,95	6,15	6,95	6,40
Full load torque (Nm)	1.060	1.040	1.060	1.040
Tst/Tn	2,36	2,20	2,36	2,04
Tmax/Tn	2,60	2,42	2,60	2,26
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45