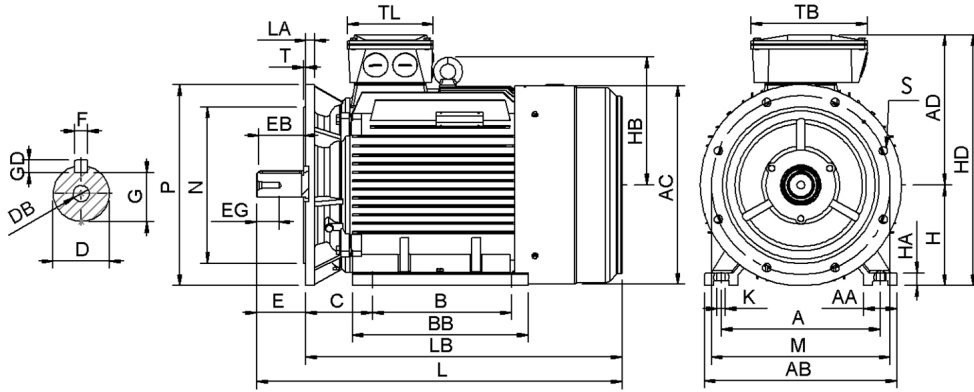


Data Sheet

Itemnumber....: 5523150400



AA = 508	AC = 618	BB = 570	DB = M20	EG = 56	GD = 11	HB = 430	L = 1193	M = 600	S = 8-Ø24	TL = 299
AB = 120	AD = 546	C = 216	E = 140	F = 18	H = 315	HD = 862	LA = 22	N = 550	T = 6	
AA = 628	B = 406	D = 65	EB = 130	G = 58	HA = 45	K = 28	LB = 1053	P = 660	TB = 420	

Version

Type.....: HMC3 315S-2
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....	IE3
Pole.....	2
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).....	914

Environment condition

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

Bearing

```
DE Bearing.....: 6317/C3
NDE Bearing.....: 6317/C3
Fixed bearing.....: DE
```

Terminal box

```
Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
  Main.....: 2 x M63x1,5
               Plastic blindcaps
  Accessory.....: 2 x M20x1,5
                  Plastic blindcaps
Terminal board thread.....: 6-M16
```

Test values

```

Rotor inertia (kgm2).....: 1,71
Noise level (dB(A)).....: 85
No load current (A).....: 45,5
Winding resist. (ohm).....: 0,029
Starting time (sec.).....: 0,77
Temp. rise winding (K).....: 61
Temp. rise surface (K).....: 38

```

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

```

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)	180 104	186 108	180 104	186
Speed (rpm)	2980	2980	3580	3580
Power factor cos(phi)	0,93	0,94	0,93	0,94
Efficiency, 100/75/50 (%)	95,2/ 95,1 /94,4	95,2/ 95,1 /94,4	95,2/ 95,1 /94,4	94,9/ 94,8 /94,0
Ist/In	7,40	6,50	7,40	6,80
Full load torque (Nm)	355	340	355	340
Tst/Tn	2,10	1,96	2,10	1,82
Tmax/Tn	2,80	2,60	2,80	2,42
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45