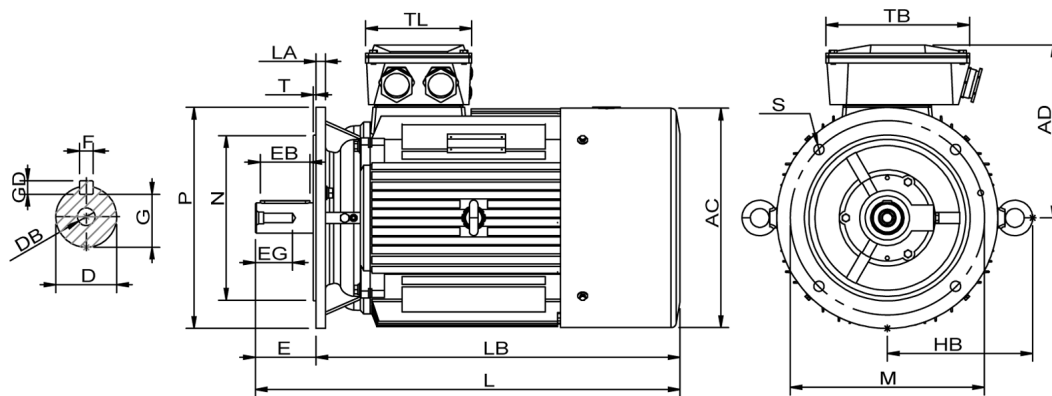


Data Sheet

Itemnumber.....: 3241801209



AC = 357	DB = M16	EG = 40	GD = 9	LA = 15	N = 250	T = 5
AD = 293	E = 110	F = 14	HB = 238	LB = 616	P = 350	TB = 218
D = 48	EB = 90	G = 42,50	L = 726	M = 300	S = 4-Ø18,5	TL = 162

Version

Type.....: HMC2 180L-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE2
Pole.....: 4
Power at 50 Hz (kW).....: 22,0
Hz.....: 60 (60 Hz output)
Voltage.....: 440VD
Winding voltage.....: 400VD/690VY 50 Hz
Power output (kW).....: 25,5
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

Mechanical design

Frame size.....: 180
Mounting.....: B5
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).....: 195

Environment condition

Ambient temp. min. (°C)....: -20
Ambient temp. max. (°C)....: 45
Altitude (mtr up to).....: 1000

Bearing

DE Bearing.....: 6311-ZZ/C3
NDE Bearing.....: 6311-ZZ/C3
Fixed bearing.....: DE

Terminal box

Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
Main.....: 2 x M40x1,5
Ø22-30mm metal
Accessory.....: 2 x M20x1,5
Metal blindcaps
Terminal board thread.....: 6-M6

Motor protection

Thermal protection main....: PTC 3x 155 dgr
Thermal protection second..: None
Space heater.....: 1x 230V 60W
Temperature detector.....: No
SPM.....: No
IR wire.....: No
Tropical insulation.....: Yes

Explosion protection

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

General

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

Test values

Rotor inertia (kgm²).....: 0,23
Noise level (dB(A)).....: 68
No load current (A).....: 12,6
Winding resist. (ohm).....: 0,29
Starting time (sec.).....: 0,10
Temp. rise winding (K).....: 79
Temp. rise surface (K).....: 68

Rated power (kW)	22,0	21,4	26,5	25,5
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)	40,5 23,4	41,5 24,0	40,5 23,4	42,5
Speed (rpm)	1470	1470	1760	1760
Power factor cos(phi)	0,86	0,87	0,86	0,87
Efficiency, 100/75/50 (%)	91,6/ 91,0 /90,4	91,6/ 91,0 /90,4	91,6/ 91,0 /90,4	91,0/ 90,4 /89,8
Ist/In	7,90	6,95	7,90	7,25
Full load torque (Nm)	144	138	144	138
Tst/Tn	2,75	2,55	2,75	2,38
Tmax/Tn	3,35	3,15	3,35	2,90
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45