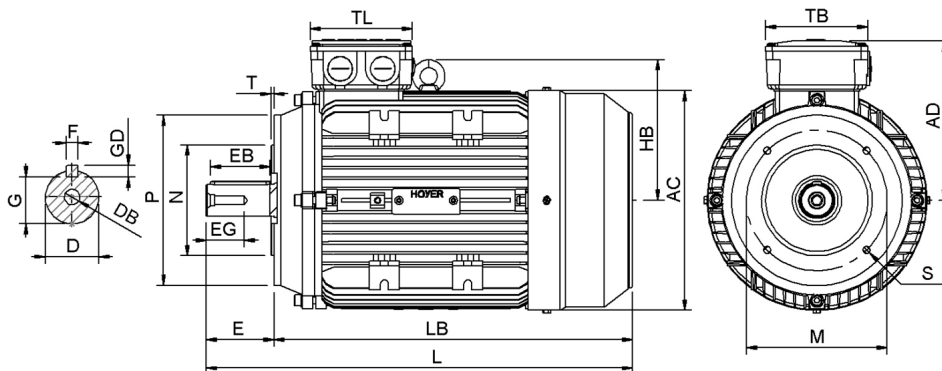


Data Sheet

Itemnumber.....: 5521320300



AC = 258	DB = M12	EG = 30	GD = 8	LB = 383	P = 200	TB = 120
AD = 187	E = 80	F = 10	HB = 165	M = 165	S = 4-M10	TL = 120
D = 38	EB = 70	G = 33	L = 463	N = 130	T = 3,50	

Version

Type.....: HMA3 132S1-2
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE3
Pole.....: 2
Power at 50 Hz (kW).....: 5,50
Hz.....: 50
Voltage.....: 400VD/690VY
Winding voltage.....: 400VD/690VY 50 Hz
Power output (kW).....: 5,50
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

Mechanical design

Frame size.....: 132
Mounting.....: B14
B14 M measure.....: 165
Rain cap.....: No
Protection class.....: IP55
Cooling method.....: IC411/TEFC
External grounding.....: Yes
Drain hole.....: Yes
Frame material.....: Aluminium
Material approval.....: None
Shaft.....: IEC standard
Key.....: Closed key
Balancing.....: Half key balancing
Vibration class.....: Grade-A
Weight (kg).....: 47,0

Environment condition

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

Bearing

DE Bearing.....: 6308-ZZ/C3
NDE Bearing.....: 6308-ZZ/C3
Fixed bearing.....: DE

Terminal box

Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
Main.....: 2 x M25x1,5
Plastic blindcaps
Accessory.....: 1 x M20x1,5
Plastic blindcap
Terminal board thread.....: 6-M5

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

Test values

Rotor inertia (kgm²).....: 0,014
Noise level (dB(A)).....: 70
No load current (A).....: 3,25
Winding resist. (ohm).....: 1,79
Starting time (sec.).....: 0,11
Temp. rise winding (K).....: 51
Temp. rise surface (K).....: 38

Rated power (kW)	5,50	5,35	6,60	6,40
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)	9,85 5,70	10,2 5,90	9,85 5,70	10,2
Speed (rpm)	2930	2930	3500	3500
Power factor cos(phi)	0,90	0,91	0,90	0,91
Efficiency, 100/75/50 (%)	89,2/ 89,1 /87,4	89,2/ 89,1 /87,4	89,2/ 89,1 /87,4	88,4/ 88,3 /86,6
Ist/In	9,05	7,95	9,05	8,30
Full load torque (Nm)	18,0	17,4	18,0	17,4
Tst/Tn	2,48	2,30	2,48	2,14
Tmax/Tn	2,80	2,60	2,80	2,42
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45