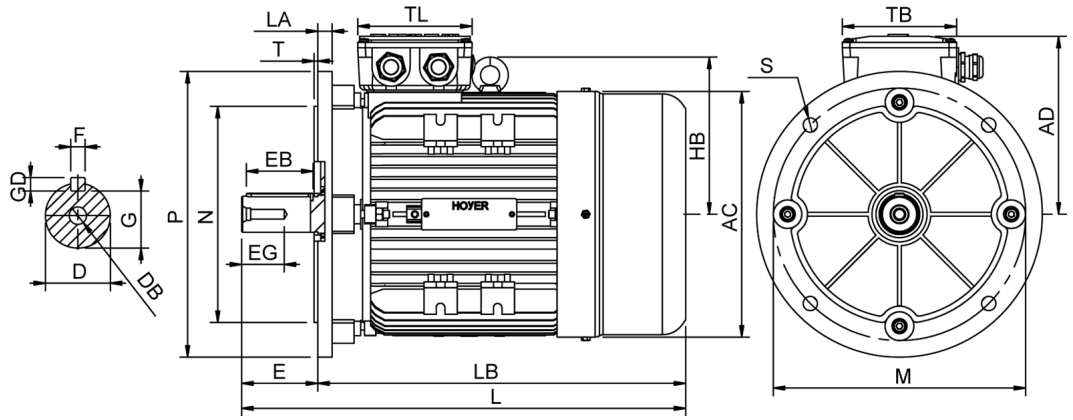
Data Sheet

Itemnumber....: 3220800299



AC = 159	**DB = M6**	**EG = 16**	**GD = 6**	**LB = 254**	**P = 200**	**TB = 100**
AD = 126	**E = 40**	**F = 6**	**L = 294**	**M = 165**	**S = 4-Ø12**	**TL = 100**
D = 19	**EB = 32**	**G = 15,50**	**LA = 10**	**N = 130**	**T = 3,50**	

Version
Type.....: HMA2 80 1-2
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design
Efficiency.....: IE2
Pole.....: 2
Power at 50 Hz (kW).....: 0,75
Hz.....: 60 (60 Hz output)
Voltage.....: 400VD/690VY
Winding voltage.....: 400VD/690VY 60 Hz
Power output (kW).....: 0,87
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

Motor protection
Thermal protection main....: PTC 3x 155 dgr
Thermal protection second..: None
Space heater.....: None
Temperature detector.....: No
SPM.....: No
IR wire.....: Yes
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

Mechanical design
Frame size.....: 80
Mounting.....: B5
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).....: 9,00

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

Bearing
DE Bearing.....: 6204-ZZ/C3
NDE Bearing.....: 6204-ZZ/C3
Fixed bearing.....: DE

Terminal box
Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
Main.....: 1 x M20x1,5
Ø8-13mm metal
Accessory.....: 1 x M20x1,5
Metal blindcap
Terminal board thread.....: 6-M4

Test values
Rotor inertia (kgm²).....: 0,00098
Noise level (dB(A)).....: 62
No load current (A).....: 1,08
Winding resist. (ohm).....: 18,6
Starting time (sec.).....: 0,00
Temp. rise winding (K).....: 44
Temp. rise surface (K).....: 43

Rated power (kW)	0,75	0,90	0,87
Frequency (Hz)	50	60	60
Voltage (V)	575	400 690	400 690
Connection	Y	D Y	D Y
Full load current (A)	1,20	2,08 1,20	2,02 1,16
Speed (rpm)	2880	3450	3450
Power factor cos(phi)	0,81	0,81	0,81
Efficiency, 100/75/50 (%)	77,4/ 77,7 /75,1	77,4/ 77,7 /75,1	77,4/ 77,7 /75,1
Ist/In	6,65	6,65	6,85
Full load torque (Nm)	2,50	2,50	2,42
Tst/Tn	2,85	2,85	2,90
Tmax/Tn	3,00	3,00	3,10
Duty	S1	S1	S1
Ambient temp. (°C)	40	40	45