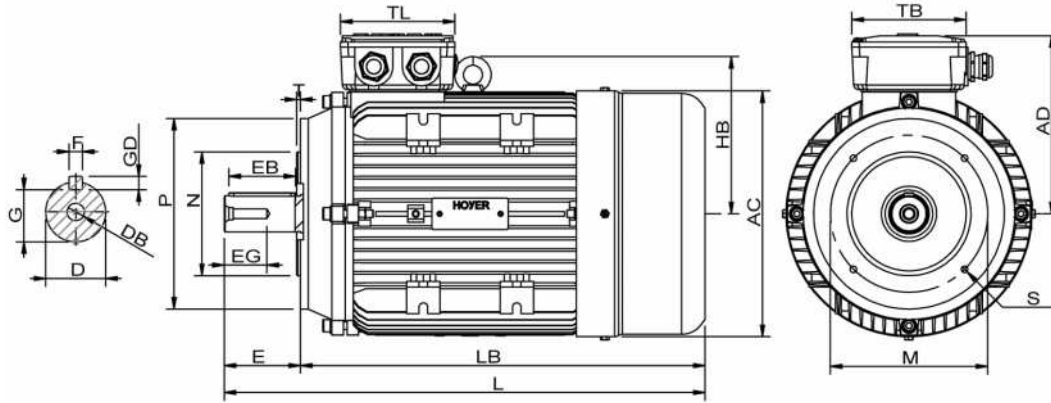


# Data Sheet

Itemnumber....: 3220800309



AC = 159	DB = M6	EG = 16	GD = 6	LB = 254	P = 120	TB = 100
AD = 126	E = 40	F = 6	H = 80	M = 100	S = 4-M6	TL = 100
D = 19	EB = 32	G = 15,50	L = 294	N = 80	T = 3	

<p><b>Version</b>                  Type.....: HMA2 80 1-2                  Design.....: Induction motor                  Standard series.....: IEC 60034                  Phase / Voltage range.....: 3~ / Low</p> <p><b>Electrical design</b>                  Efficiency.....: IE2                  Pole.....: 2                  Power at 50 Hz (kW).....: 0,75                  Hz.....: 60 (60 Hz output)                  Voltage.....: 440VY 60 Hz                  Winding voltage.....: 230VD/400VY 50 Hz                  Power output (kW).....: 0,87                  Duty.....: S1                  Insulation class.....: F                  Temperature rise.....: B</p> <p><b>Motor protection</b>                  Thermal protection main....: PTC 3x 155 dgr                  Thermal protection second..: None                  Space heater.....: None                  Temperature detector.....: No                  SPM.....: No                  IR wire.....: No                  Tropical insulation.....: Yes</p> <p><b>Explosion protection</b>                  According to.....: None</p> <p><b>General</b>                  Direction of rotation.....: CW                  Painting.....: RAL 9005 Gloss 10                  Nameplate.....: Multivoltage + VFD                  Special packing.....: No                  Special requirements.....: No</p>	<p><b>Mechanical design</b>                  Frame size.....: 80                  Mounting.....: B14                  B14 M measure.....: 100                  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</p> <p><b>Environment condition</b>                  Ambient temp. min. (°C)..: -20                  Ambient temp. max. (°C)..: 45                  Altitude (mtr up to).....: 1000</p>	<p><b>Bearing</b>                  DE Bearing.....: 6204-ZZ/C3                  NDE Bearing.....: 6204-ZZ/C3                  Fixed bearing.....: DE</p> <p><b>Terminal box</b>                  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                  Connection type.....: Star (Y)                  Terminal board thread.....: 6-M4</p> <p><b>Test values</b>                  Rotor inertia (kgm²).....: 0,00098                  Noise level (dB(A)).....: 62                  No load current (A).....: 1,08                  Winding resist. (ohm).....: 8,98                  Starting time (sec.).....: 0,00                  Temp. rise winding (K).....: 44                  Temp. rise surface (K).....: 43</p>
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Rated power (kW) . . . . .	0,75	0,73	0,90	0,87
Frequency (Hz) . . . . .	50	50	60	60
Voltage (V) . . . . .	230 400	220 380	280 480	440
Connection . . . . .	D Y	D Y	D Y	Y
Full load current (A) . . . . .	3,00 1,74	3,10 1,78	3,00 1,74	1,78
Speed (rpm) . . . . .	2880	2880	3450	3450
Power factor cos(phi) . . . . .	0,81	0,82	0,81	0,86
Efficiency, 100/75/50 (%) . . . . .	78,0/78,3/75,8	78,0/78,3/75,8	78,0/78,3/75,8	76,5/76,8/74,1
Ist/In . . . . .	6,65	5,85	6,65	6,10
Full load torque (Nm) . . . . .	2,50	2,42	2,50	2,42
Tst/Tn . . . . .	2,85	2,65	2,85	2,46
Tmax/Tn . . . . .	3,00	2,80	3,00	2,60
Duty . . . . .	S1	S1	S1	S1
Ambient temp. (°C) . . . . .	40	45	40	45