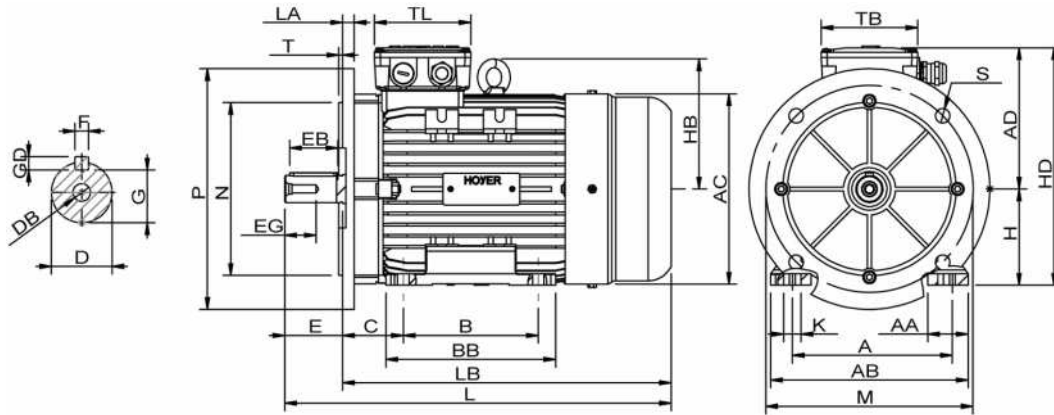


Data Sheet

Itemnumber....: 3241000409



A = 160	AC = 198	BB = 176	DB = M10	EG = 28	GD = 7	HB = 135	L = 401	M = 215	S = 4-Ø15	TL = 100
AA = 42	AD = 147	C = 63	E = 60	F = 8	H = 100	HD = 247	LA = 14	N = 180	T = 4	
AB = 205	B = 140	D = 28	EB = 50	G = 24	HA = 12	K = 12	LB = 341	P = 250	TB = 100	

<p>Version Type.....: HMA2 100L1-4 Design.....: Induction motor Standard series.....: IEC 60034 Phase / Voltage range.....: 3~ / Low</p> <p>Electrical design Efficiency.....: IE2 Pole.....: 4 Power at 50 Hz (kW).....: 2,20 Hz.....: 60 (60 Hz output) Voltage.....: 440VY 60 Hz Winding voltage.....: 230VD/400VY 50 Hz Power output (kW).....: 2,55 Duty.....: S1 Insulation class.....: F Temperature rise.....: B</p> <p>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.....: Yes</p> <p>Explosion protection According to.....: None</p> <p>General Direction of rotation.....: CW Painting.....: RAL 9005 Gloss 10 Nameplate.....: Multivoltage + VFD Special packing.....: No Special requirements.....: No</p>	<p>Mechanical design Frame size.....: 100 Mounting.....: B35 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</p> <p>Environment condition Ambient temp. min. (°C)..: -20 Ambient temp. max. (°C)..: 45 Altitude (mtr up to).....: 1000</p>	<p>Bearing DE Bearing.....: 6206-ZZ/C3 NDE Bearing.....: 6206-ZZ/C3 Fixed bearing.....: DE</p> <p>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 Connection type.....: Star (Y) Terminal board thread.....: 6-M4</p> <p>Test values Rotor inertia (kgm²).....: 0,0080 Noise level (dB(A)).....: 60 No load current (A).....: 2,32 Winding resist. (ohm).....: 2,11 Starting time (sec.).....: 0,00 Temp. rise winding (K).....: 48 Temp. rise surface (K).....: 47</p>
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Rated power (kW)	2,20	2,14	2,65	2,55
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)	7,90 4,55	8,15 4,70	7,90 4,55	4,70
Speed (rpm)	1450	1450	1740	1740
Power factor cos(phi)	0,82	0,83	0,82	0,83
Efficiency, 100/75/50 (%) : 85,7/86,3/85,1	85,7/86,3/85,1	85,7/86,3/85,1	85,7/86,3/85,1	84,7/85,3/84,0
Ist/In	8,10	7,10	8,10	7,45
Full load torque (Nm)	14,4	14,0	14,4	14,0
Tst/Tn	2,95	2,75	2,95	2,55
Tmax/Tn	3,50	3,25	3,50	3,05
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45