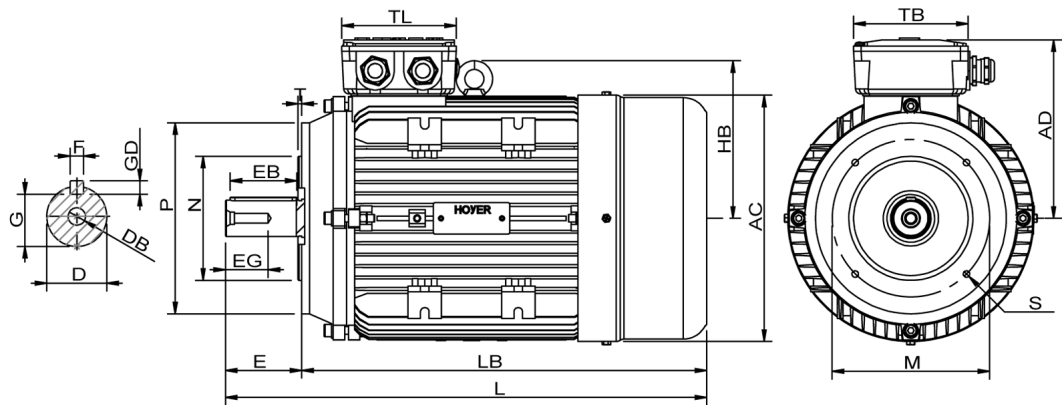


Data Sheet

Itemnumber..... 3240900309



AC = 175	DB = M8	EG = 24	GD = 7	M = 115	S = 4-M8	TL = 100
AD = 132	E = 50	F = 8	L = 336	N = 95	T = 3	
D = 24	EB = 40	G = 20	LB = 286	P = 140	TB = 100	

<b>Version</b> Type..... HMA2 90S-4 Design..... Induction motor Standard series..... IEC 60034 Phase / Voltage range..... 3~ / Low	<b>Mechanical design</b> Frame size..... 90 Mounting..... B14 B14 M measure..... 115 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)..... 17,0	<b>Bearing</b> DE Bearing..... 6205-ZZ/C3 NDE Bearing..... 6205-ZZ/C3 Fixed bearing..... DE
<b>Electrical design</b> Efficiency..... IE2 Pole..... 4 Power at 50 Hz (kW)..... 1,10 Hz..... 60 (60 Hz output) Voltage..... 440VY Winding voltage..... 230VD/400VY 50 Hz Power output (kW)..... 1,28 Duty..... S1 Insulation class..... F Temperature rise..... B	<b>Environment condition</b> Ambient temp. min. (°C).. -20 Ambient temp. max. (°C).. 45 Altitude (mtr up to)..... 1000	<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 Terminal board thread..... 6-M4
<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		<b>Test values</b> Rotor inertia (kgm²)..... 0,0032 Noise level (dB(A))..... 58 No load current (A)..... 1,32 Winding resist. (ohm)..... 4,14 Starting time (sec.)..... 0,00 Temp. rise winding (K)..... 55 Temp. rise surface (K)..... 46
<b>Explosion protection</b> According to..... None Type of protection..... None		
<b>General</b> Direction of rotation..... CW Painting..... RAL 9005 Nameplate..... Multivoltage + VFD Special packing..... No Special requirements..... No		

Rated power (kW)	1,10	1,06	1,32	1,28
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)	4,25 2,44	4,35 2,50	4,25 2,44	2,50
Speed (rpm)	1440	1440	1730	1730
Power factor cos(phi)	0,80	0,81	0,80	0,80
Efficiency, 100/75/50 (%)	81,4/ 82,2 /80,8	81,4/ 82,2 /80,8	81,4/ 82,2 /80,8	80,1/ 81,0 /79,4
Ist/In	7,35	6,45	7,35	6,75
Full load torque (Nm)	7,30	7,10	7,30	7,10
Tst/Tn	2,44	2,26	2,44	2,10
Tmax/Tn	2,90	2,70	2,90	2,50
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45