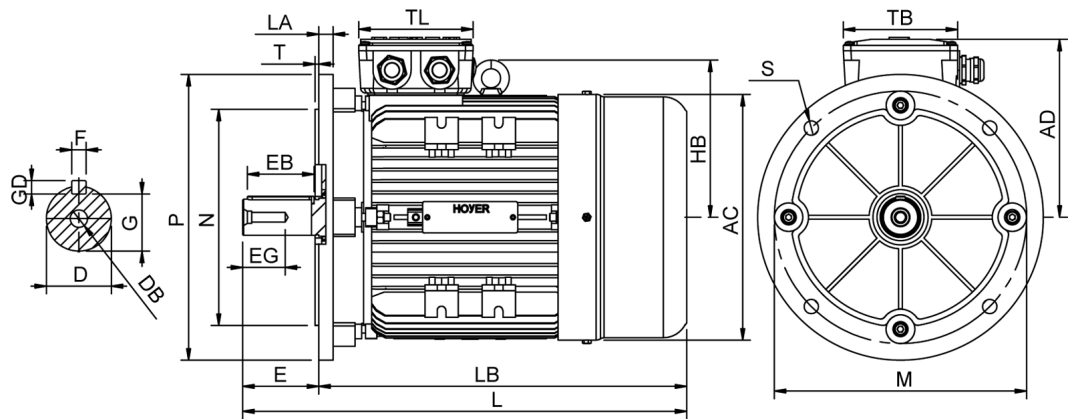


Data Sheet

Itemnumber..... 3221120299



AC = 219	DB = M10	EG = 28	GD = 7	LA = 14	N = 180	T = 4
AD = 168	E = 60	F = 8	HB = 145	LB = 345	P = 250	TB = 120
D = 28	EB = 50	G = 24	L = 405	M = 215	S = 4-Ø15	TL = 120

<b>Version</b> Type..... HMA2 112M1-2 Design..... Induction motor Standard series..... IEC 60034 Phase / Voltage range..... 3~ / Low	<b>Mechanical design</b> Frame size..... 112 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)..... 32,0	<b>Bearing</b> DE Bearing..... 6306-ZZ/C3 NDE Bearing..... 6306-ZZ/C3 Fixed bearing..... DE
<b>Electrical design</b> Efficiency..... IE2 Pole..... 2 Power at 50 Hz (kW)..... 4,00 Hz..... 60 (60 Hz output) Voltage..... 690VD Winding voltage..... 690VD 60 Hz Power output (kW)..... 4,65 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-M5
<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)..... 0,0068 Noise level (dB(A))..... 71 No load current (A)..... 1,68 Winding resist. (ohm)..... 6,64 Starting time (sec.)..... 0,00 Temp. rise winding (K)..... 58 Temp. rise surface (K)..... 40	
<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) . . . . .	4,00	4,80	4,65
Frequency (Hz) . . . . .	50	60	60
Voltage (V) . . . . .	575	690	690
Connection . . . . .	D	D	D
Full load current (A) . . . .	5,20	5,20	5,05
Speed (rpm) . . . . .	2910	3500	3500
Power factor cos(phi) . . . .	0,90	0,90	0,90
Efficiency, 100/75/50 (%) : 85,8/ 86,0 /84,3	85,8/ 86,0 /84,3	85,8/ 86,0 /84,3	85,8/ 86,0 /84,3
Ist/In . . . . .	8,65	8,65	8,95
Full load torque (Nm) . . . .	13,2	13,2	12,8
Tst/Tn . . . . .	2,75	2,75	2,85
Tmax/Tn . . . . .	3,00	3,00	3,10
Duty . . . . .	S1	S1	S1
Ambient temp. (°C) . . . . .	40	40	45