

Data Sheet

Itemnumber..... 3223152199



A = 508	AC = 620	BB = 680	DB = M20	EG = 56	GD = 11	HB = 432	L = 1288	TL = 280
AA = 120	AD = 546	C = 216	E = 140	F = 18	H = 315	HD = 861	LB = 1148	
AB = 628	B = 508	D = 65	EB = 110	G = 58	HA = 45	K = 28	TB = 400	

Version Type..... HMC2 315L1-2 Design..... Induction motor Standard series..... IEC 60034 Phase / Voltage range..... 3~ / Low	Mechanical design Frame size..... 315 Mounting..... B3 Rain cap..... No Protection class..... IP55 Cooling method..... IC411/TEFC External grounding..... Yes Drain hole..... Yes Frame material..... Cast Iron Material approval..... None Shaft..... IEC Standard Key..... Closed key Balancing..... Half key balancing Vibration class..... Grade-A Weight (kg)..... 1.020	Bearing DE Bearing..... 6317/C3 NDE Bearing..... 6317/C3 Fixed bearing..... DE
Electrical design Efficiency..... IE2 Pole..... 2 Power at 50 Hz (kW)..... 160 Hz..... 60 (60 Hz output) Voltage..... 690VD Winding voltage..... 690VD 60 Hz Power output (kW)..... 186 Duty..... S1 Insulation class..... F Temperature rise..... B	Environment condition Ambient temp. min. (°C).. -20 Ambient temp. max. (°C).. 45 Altitude (mtr up to)..... 1000	Terminal box Tbox position..... Top Cable entry direction..... Right (from DE) Cable entry Main..... 2 x M63x1,5 Ø37-44mm metal Accessory..... 2 x M20x1,5 Metal blindcaps Terminal board thread..... 6-M16
Motor protection Thermal protection main.... PTC 3x 155 dgr Thermal protection second.. None Space heater..... 1x 230V 100W Temperature detector..... No SPM..... No IR wire..... Yes Tropical insulation..... Yes	Test values Rotor inertia (kgm²)..... 1,92 Noise level (dB(A))..... 84 No load current (A)..... 31,0 Winding resist. (ohm)..... 0,026 Starting time (sec.)..... 0,50 Temp. rise winding (K)..... 80 Temp. rise surface (K)..... 50	
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		

Rated power (kW)	160	192	186
Frequency (Hz)	50	60	60
Voltage (V)	575	690	690
Connection	D	D	D
Full load current (A)	182	190	184
Speed (rpm)	2980	3560	3560
Power factor cos(phi)	0,93	0,93	0,93
Efficiency, 100/75/50 (%) : 94,8/ 94,6 /93,7	94,8/ 94,6 /93,7	94,8/ 94,6 /93,7	94,8/ 94,6 /93,7
Ist/In	7,60	7,60	7,85
Full load torque (Nm)	515	515	500
Tst/Tn	2,18	2,18	2,26
Tmax/Tn	3,45	3,45	3,55
Duty	S1	S1	S1
Ambient temp. (°C)	40	40	45