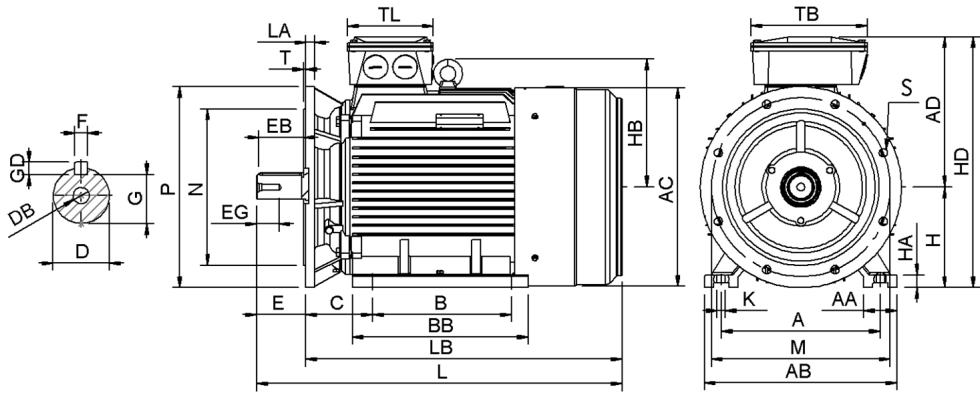


Data Sheet

Itemnumber..... 5543152400



A = 508	AC = 618	BB = 680	DB = M20	EG = 56	GD = 14	HB = 430	L = 1333	M = 600	S = 8-Ø24	TL = 299
AA = 120	AD = 546	C = 216	E = 170	F = 22	H = 315	HD = 861	LA = 22	N = 550	T = 6	
AB = 628	B = 508	D = 80	EB = 160	G = 71	HA = 45	K = 28	LB = 1163	P = 660	TB = 420	

Version Type..... HMC3 315L1-4 Design..... Induction motor Standard series..... IEC 60034 Phase / Voltage range..... 3~ / Low	Mechanical design Frame size..... 315 Mounting..... B35 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)..... 1.115	Bearing DE Bearing..... 6319/C3 NDE Bearing..... 6319/C3 Fixed bearing..... DE
Electrical design Efficiency..... IE3 Pole..... 4 Power at 50 Hz (kW)..... 160 Hz..... 50 Voltage..... 400VD/690VY Winding voltage..... 400VD/690VY 50 Hz Power output (kW)..... 160 Duty..... S1 Insulation class..... F Temperature rise..... B	Environment condition Ambient temp. min. (°C).. -20 Ambient temp. max. (°C).. 40 Altitude (mtr up to)..... 1000	Terminal box Tbox position..... Top Cable entry direction..... Right (from DE) Cable entry Main..... 2 x M63x1,5 Plastic blindcaps Accessory..... 2 x M20x1,5 Plastic blindcaps Terminal board thread..... 6-M16
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..... No		Test values Rotor inertia (kgm²)..... 4,60 Noise level (dB(A))..... 84 No load current (A)..... 69,5 Winding resist. (ohm)..... 0,021 Starting time (sec.)..... 0,35 Temp. rise winding (K)..... 63 Temp. rise surface (K)..... 36
Explosion protection According to..... None Type of protection..... None		

General Direction of rotation..... CW Painting..... RAL 9005 Nameplate..... Multivoltage Special packing..... No Special requirements..... No				
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Rated power (kW)	160	156	192	186
Frequency (Hz)	50	50	60	60
Voltage (V)	400 690	380 660	480 830	440
Connection	D Y	D Y	D Y	D
Full load current (A)	265 154	275 158	265 154	275
Speed (rpm)	1490	1490	1790	1790
Power factor cos(phi)	0,92	0,92	0,92	0,92
Efficiency, 100/75/50 (%) . .	95,8/ 96,1 /95,2	95,8/ 96,1 /95,2	95,8/ 96,1 /95,2	95,5/ 95,8 /94,9
Ist/In	7,80	6,85	7,80	7,20
Full load torque (Nm)	1.020	995	1.020	995
Tst/Tn	2,26	2,12	2,26	1,96
Tmax/Tn	2,70	2,50	2,70	2,34
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45