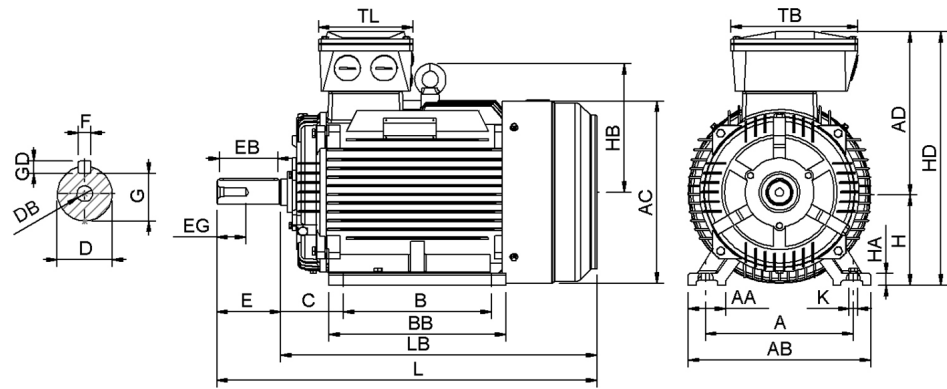


Data Sheet

Itemnumber..... 5563152100



A = 508	AC = 618	BB = 680	DB = M20	EG = 56	GD = 14	HB = 430	L = 1333	TL = 299
AA = 120	AD = 546	C = 216	E = 170	F = 22	H = 315	HD = 861	LB = 1163	
AB = 628	B = 508	D = 80	EB = 160	G = 71	HA = 45	K = 28	TB = 420	

<b>Version</b> Type..... HMC3 315L1-6 Design..... Induction motor Standard series..... IEC 60034 Phase / Voltage range..... 3~ / Low	<b>Mechanical design</b> 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)..... 1.064	<b>Bearing</b> DE Bearing..... NU319/C3 NDE Bearing..... 6319/C3 Fixed bearing..... NDE
<b>Electrical design</b> Efficiency..... IE3 Pole..... 6 Power at 50 Hz (kW)..... 110 Hz..... 50 Voltage..... 400VD/690VY Winding voltage..... 400VD/690VY 50 Hz Power output (kW)..... 110 Duty..... S1 Insulation class..... F Temperature rise..... B	<b>Environment condition</b> Ambient temp. min. (°C).. -20 Ambient temp. max. (°C).. 40 Altitude (mtr up to)..... 1000	<b>Terminal box</b> 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
<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..... No		<b>Test values</b> Rotor inertia (kgm²)..... 5,91 Noise level (dB(A))..... 78 No load current (A)..... 63,5 Winding resist. (ohm)..... 0,033 Starting time (sec.)..... 0,29 Temp. rise winding (K)..... 61 Temp. rise surface (K)..... 47
<b>Explosion protection</b> According to..... None Type of protection..... None		
<b>General</b> Direction of rotation..... CW Painting..... RAL 9005 Nameplate..... Multivoltage Special packing..... No Special requirements..... No		

Rated power (kW)	110	106	132	128
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)	192 110	198 114	192 110	198
Speed (rpm)	990	990	1190	1190
Power factor cos(phi)	0,87	0,88	0,87	0,88
Efficiency, 100/75/50 (%)	95,1/ 95,3 /93,9	95,1/ 95,3 /93,9	95,1/ 95,3 /93,9	94,8/ 95,0 /93,5
Ist/In	6,95	6,15	6,95	6,40
Full load torque (Nm)	1.060	1.040	1.060	1.040
Tst/Tn	2,36	2,20	2,36	2,04
Tmax/Tn	2,60	2,42	2,60	2,26
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45