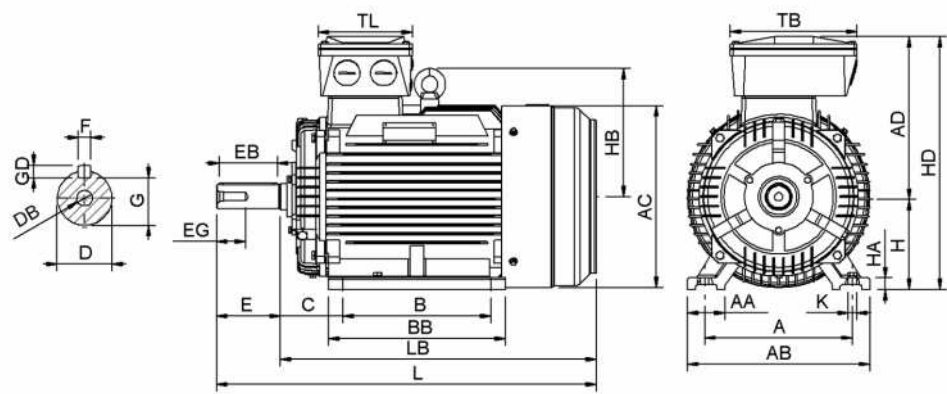


Data Sheet

Itemnumber....: 5541601100



A = 254	AC = 313	BB = 304	DB = M16	EG = 36	GD = 8	HB = 221	L = 654	TB = 218
AA = 65	AD = 276	C = 108	E = 110	F = 12	H = 160	HD = 436	LB = 544	TL = 162
AB = 314	B = 254	D = 42	EB = 100	G = 37	HA = 20	K = 4	LE = 639	

Version Type.....: HMC3 160L-4 Design.....: Induction motor Standard series.....: IEC 60034 Phase / Voltage range.....: 3~ / Low	Mechanical design Frame size.....: 160 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).....: 151	Bearing DE Bearing.....: 6309-ZZ/C3 NDE Bearing.....: 6309-ZZ/C3 Fixed bearing.....: DE
Electrical design Efficiency.....: IE3 Pole.....: 4 Power at 50 Hz (kW).....: 15,0 Hz.....: 50 Voltage.....: 400VD/690VY Winding voltage.....: 400VD/690VY 50 Hz Power output (kW).....: 15,0 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 M40x1,5 Metal blindcaps Accessory.....: 2 x M20x1,5 Metal blindcaps Connection type.....: Delta (D) Terminal board thread.....: 6-M6
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).....: 0,13 Noise level (dB(A)).....: 70 No load current (A).....: 12,0 Winding resist. (ohm).....: 0,58 Starting time (sec.).....: 0,08 Temp. rise winding (K).....: 66 Temp. rise surface (K).....: 40
Explosion protection According to.....: None Type of protection.....: None		
General Direction of rotation.....: CW Painting.....: RAL 9005 Gloss 10 Nameplate.....: Multivoltage Special packing.....: No Special requirements.....: No		

Rated power (kW)	15,0	14,6	18,0	17,4
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)	28,5 16,4	29,5 17,0	28,5 16,4	29,5
Speed (rpm)	1470	1470	1760	1760
Power factor cos(phi)	0,83	0,84	0,83	0,85
Efficiency, 100/75/50 (%) . .	92,1/92,4/91,8	92,1/92,4/91,8	92,1/92,4/91,8	91,6/91,9/91,2
Ist/In	9,1	8	9,1	8,4
Full load torque (Nm)	97,0	94,0	97,0	94,0
Tst/Tn	3,2	3,0	3,2	2,8
Tmax /Tn	3,4	3,2	3,4	3,0
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45