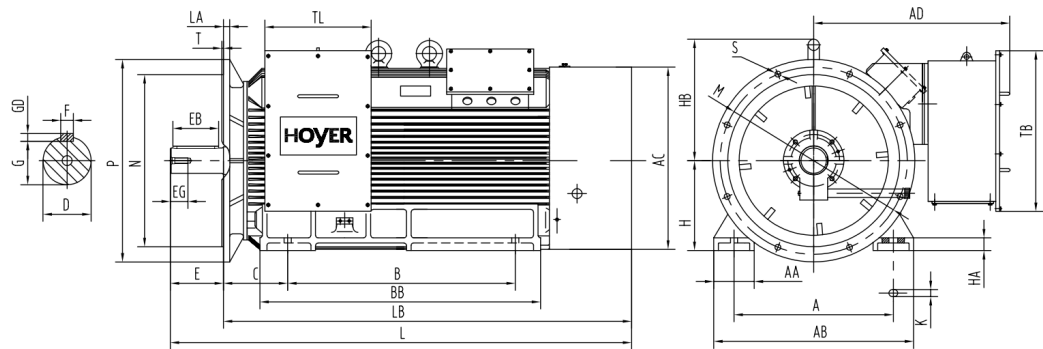


Data Sheet

Itemnumber..... 77635504000



A = 630	AC = 720	BB = 1110	DB = M24	EG = 45	GD = 16	HB = 480	L = 1830	M = 740	S = 8-Ø24	TL = 420
AA = 160	AD = 780	C = 254	E = 210	F = 28	H = 355	HD = 835	LA = 25	N = 680	T = 6	
AB = 790	B = 900	D = 100	EB = 180	G = 90	HA = 50	K = 28	LB = 1620	P = 800	TB = 635	

Version Type..... HMCA2 355H-6 Design..... Induction motor Standard series..... IEC 60034 Phase / Voltage range..... 3~ / Medium	Mechanical design Frame size..... 355 Mounting..... B35 Rain cap..... No Protection class..... IP55 Cooling method..... IC411/TEFC External grounding..... Yes Drain hole..... Yes Frame material..... Cast Iron Material approval..... No Shaft..... IEC standard Key..... Closed key Balancing..... Half key balancing Vibration class..... Grade-A Weight (kg)..... 2.200	Bearing DE Bearing..... 6322/C3 NDE Bearing..... 6322/C3 Fixed bearing..... DE Insulated NDE bearing fit...: Yes
Electrical design Efficiency..... No class Pole..... 6 Power at 50 Hz (kW)..... 160,00 Hz..... 50 Voltage..... 3000V Winding voltage..... 3000VY 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..... Main:R Y:No Aux:R Cable entry direction..... Right (from DE) Cable entry Main..... Mechanical interface SST - plate Auxiliary..... 3 x M20x1,5 Metal blindcaps Terminal board thread..... M16
Motor protection Thermal protection main.... 2x PTC 3x 155 dgr Thermal protection second.. None Space heater..... 220V-230V 2x 100W Temperature detector..... 6 PT100 winding + 1 PT100 DE & 1 PT100 NDE bearing SPM..... No IR wire..... No Tropical insulation..... Yes		Test values Rotor inertia (kgm²)..... 9,00 Noise level (dB(A))..... 87 No load current (A)..... 15,2 Winding resist. (ohm)..... 0,62 Starting time (sec.)..... 0,37 Temp. rise winding (K)..... 50 Temp. rise surface (K)..... 35
Explosion protection According to..... None Type of protection..... None		
General Direction of rotation..... CW (CCW-Yes) Painting..... RAL 9005 Nameplate..... 40 & 50 Ambient Special packing..... No Special requirements..... No		

Rated power (kW)	160	132
Frequency (Hz)	50	50
Voltage (V)	3000	3000
Connection	Y	Y
Full load current (A)	40,0	33,0
Speed (rpm)	990	990
Power factor cos(phi)	0,84	0,83
Efficiency, 100/75/50 (%) . .	93,2/93,2/92,5	93,2/93,2/92,5
Ist/In	5,60	6,80
Full load torque (Nm)	1.540	1.280
Tst/Tn	1,70	2,06
Tmax/Tn	2,38	2,90
Duty	S1	S1
Ambient temp. (°C)	40	50