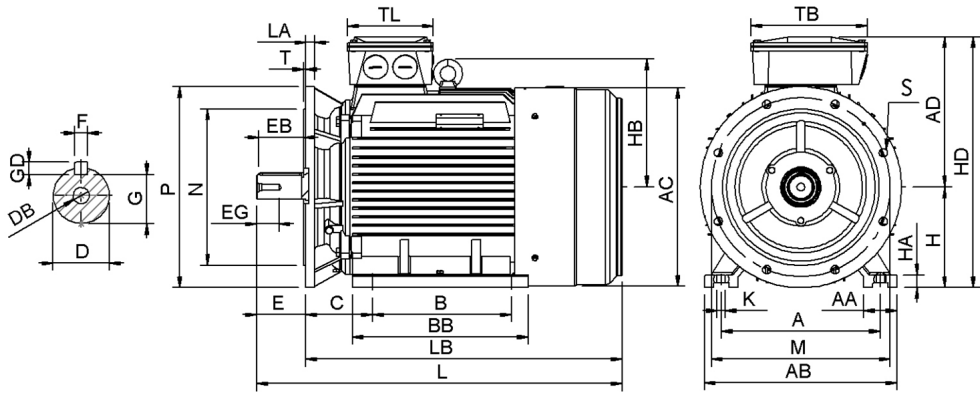


Data Sheet

Itemnumber..... 5542800400



A = 457	AC = 546	BB = 485	DB = M20	EG = 56	GD = 12	HB = 361	L = 979	M = 500	S = 8-Ø18,5	TL = 230
AA = 85	AD = 403	C = 190	E = 140	F = 20	H = 280	HD = 683	LA = 22	N = 450	T = 5	
AB = 542	B = 368	D = 75	EB = 130	G = 67,50	HA = 35	K = 24	LB = 839	P = 550	TB = 305	

Version Type..... HMC3 280S-4 Design..... Induction motor Standard series..... IEC 60034 Phase / Voltage range..... 3~ / Low	Mechanical design Frame size..... 280 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)..... 594	Bearing DE Bearing..... 6317/C3 NDE Bearing..... 6314/C3 Fixed bearing..... DE
Electrical design Efficiency..... IE3 Pole..... 4 Power at 50 Hz (kW)..... 75,0 Hz..... 50 Voltage..... 400VD/690VY Winding voltage..... 400VD/690VY 50 Hz Power output (kW)..... 75,0 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 M63x1,5 Metal blindcaps Accessory..... 2 x M20x1,5 Metal blindcaps Terminal board thread..... 6-M10
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)..... 1,74 Noise level (dB(A))..... 78 No load current (A)..... 39,0 Winding resist. (ohm)..... 0,048 Starting time (sec.)..... 0,28 Temp. rise winding (K)..... 57 Temp. rise surface (K)..... 37
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		

Rated power (kW)	75,0	90,0	90,0
Frequency (Hz)	50	60	60
Voltage (V)	400 690	480 830	460 795
Connection	D Y	D Y	D Y
Full load current (A)	132 76,0	132 76,0	138 79,0
Speed (rpm)	1490	1790	1790
Power factor cos(phi)	0,88	0,88	0,89
Efficiency, 100/75/50 (%)	95,5/95,5/94,1	95,5/95,5/94,1	95,3/95,4/93,9
Ist/In	7,25	7,25	6,65
Full load torque (Nm)	480	480	480
Tst/Tn	2,28	2,28	2,10
Tmax/Tn	2,80	2,80	2,60
Duty	S1	S1	S1
Ambient temp. (°C)	40	40	40