



AC = 313	EB = 100	H = 160	M = 300	TB = 218
AD = 276	EG = 36	HB = 221	N = 250	TL = 162
B = 0	F = 12	L = 609	P = 350	
D = 42k6	G = 37	LA = 14	S = 4 - Ø18,5	
DB = M16	GD = 8	LB = 499	T = 5	
E = 110				

Type : **HMC3 160M-4**
Mounting : B5
Protection class : IP55
Insulations class : F/B
Standard : IEC 60034-1
Test standard : IEC 60034-2-1
Altitude above s.l. max.(m) . . : 1000
Cooling method : IC416/TEFV
Poles : 4
Painting : Ral 9005
DE. Bearing : 6309-ZZ/C3
NDE. Bearing : 6309-ZZ/C3
Bearing fixed in : D-end
Weight (kg) : 141

Rotor inertia (kgm²) : 0,106
Noise level (dB(A)) : 66
Vibration class : Grade-A
No load current (A) : 9,34
Winding resistance (ohm) : 0,67
Starting time : 10
Temperature rise winding : 64
Temperature rise surface : 0
Cable glands : 2 x M40x1,5
Clamping range : only blind plugs
Blind plug : 2 x M20x1,5
Terminal board thread : M6
Thermal protection : PTC 3x150C
Space heater :
Starting method :

Rated power (kW) :	11,0	13,2
Frequency (Hz) :	50	60
Voltage (V) :	400 690	480 830
Connection :	D Y	D Y
Full load current (A) :	20,6 11,9	20,6 11,9
Speed (rpm) :	1470	1760
Power factor cos(phi) :	0,85	0,85
Efficiency, 100/75/50 (%) . . . :	91,4 91,9 89,9	91,4 91,9 89,9
Efficiency class :	IE3	IE2
Ist/In :	10,2	10,2
Full load torque (Nm) :	70	70
Tst/Tn :	3,5	3,5
Tmax /Tn :	3,8	3,8
Duty :	S1	S1
Ambient temp. (°C) :	40	40

According to :
Special features :