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| AC = 313 | DB = M16 | EG = 36 | GD = 8 | LA = 15 | N = 250 | T = 5 |
| AD = 277 | E = 110 | F = 12 | HB = 222 | LB = 498 | P = 350 | TB = 218 |
| D = 42 | EB = 90 | G = 37 | L = 608 | M = 300 | S = 4-Ø18,5 | TL = 162 |

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| Version Type..... HMC2 160M1-2 Design..... Induction motor Standard series..... IEC 60034 Phase / Voltage range..... 3~ / Low | Mechanical design Frame size..... 160 Mounting..... B5 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)..... 100 | Bearing DE Bearing..... 6309-ZZ/C3 NDE Bearing..... 6309-ZZ/C3 Fixed bearing..... DE |
| Electrical design Efficiency..... IE2 Pole..... 2 Power at 50 Hz (kW)..... 11,0 Hz..... 60 (60 Hz output) Voltage..... 690VD Winding voltage..... 690VD 60 Hz Power output (kW)..... 12,8 Duty..... S1 Insulation class..... F Temperature rise..... B | Environment condition Ambient temp. min. (°C).. -20 Ambient temp. max. (°C).. 45 Altitude (mtr up to)..... 1000 | Terminal box Tbox position..... Top Cable entry direction..... Right (from DE) Cable entry Main..... 2 x M40x1,5 Ø22-30mm metal Accessory..... 2 x M20x1,5 Metal blindcaps Terminal board thread..... 6-M6 |
| Motor protection Thermal protection main.... PTC 3x 155 dgr Thermal protection second.. None Space heater..... 1x 230V 50W Temperature detector..... No SPM..... No IR wire..... Yes Tropical insulation..... Yes | | Test values Rotor inertia (kgm²)..... 0,043 Noise level (dB(A))..... 74 No load current (A)..... 3,10 Winding resist. (ohm)..... 1,41 Starting time (sec.)..... 0,17 Temp. rise winding (K)..... 63 Temp. rise surface (K)..... 39 |
| Explosion protection According to..... None Type of protection..... None | | |

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| General | |
| Direction of rotation..... | CW |
| Painting..... | RAL 9005 |
| Nameplate..... | Multivoltage + VFD |
| Special packing..... | No |
| Special requirements..... | No |

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|----------------------------------------------|------------------|------------------|------------------|
| Rated power (kW) | 11,0 | 13,2 | 12,8 |
| Frequency (Hz) | 50 | 60 | 60 |
| Voltage (V) | 575 | 690 | 690 |
| Connection | D | D | D |
| Full load current (A) | 13,4 | 13,8 | 13,4 |
| Speed (rpm) | 2930 | 3520 | 3520 |
| Power factor cos(phi) | 0,92 | 0,92 | 0,92 |
| Efficiency, 100/75/50 (%) : 89,4/ 88,2 /87,1 | 89,4/ 88,2 /87,1 | 89,4/ 88,2 /87,1 | 89,4/ 88,2 /87,1 |
| Ist/In | 6,55 | 6,55 | 6,75 |
| Full load torque (Nm) | 36,0 | 36,0 | 34,5 |
| Tst/Tn | 2,16 | 2,16 | 2,22 |
| Tmax/Tn | 3,15 | 3,15 | 3,25 |
| Duty | S1 | S1 | S1 |
| Ambient temp. (°C) | 40 | 40 | 45 |