

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : W22Xd IE2 Three-Phase	Product code : 13585580 Catalog # : E00336XP3WAX100LF3-W			
Frame : 100L Insulation class : F Duty cycle : S1 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP56 Design : N	Cooling method : IC411 - TEFC Mounting : B3T Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ² : 122 lb Moment of inertia (J) : 0.1521 sq.ft.lb			
Output [kW]	3 3 3 3			
Poles	2 2 2 2			
Frequency [Hz]	50 50 50 60			
Rated voltage [V]	220/380 230/400 240/415 460			
Rated current [A]	10.5/6.09 10.3/5.92 10.1/5.85 5.00			
L. R. Amperes [A]	84.2/48.7 82.4/47.4 80.9/46.8 46.5			
LRC [A]	8.0 8.0 8.0 9.3			
No load current [A]	4.32/2.50 4.87/2.80 5.36/3.10 2.70			
Rated speed [RPM]	2865 2880 2890 3495			
Slip [%]	4.50 4.00 3.67 2.92			
Rated torque [ft.lb]	7.28 7.27 7.24 6.01			
Locked rotor torque [%]	210 240 260 260			
Breakdown torque [%]	240 280 310 340			
Service factor	1.00 1.00 1.00 1.00			
Temperature rise	80 K 80 K 80 K 80 K			
Locked rotor time	12s (cold) 7s (hot) 12s (cold) 7s (hot) 12s (cold) 7s (hot) 12s (cold) 7s (hot)			
Noise level ²	67.0 dB(A) 67.0 dB(A) 67.0 dB(A) 71.0 dB(A)			
Efficiency (%)	25% 84.6 83.6 82.4 80.5			
	50% 84.9 84.0 83.1 82.5			
	75% 85.0 85.0 84.6 85.5			
	100% 85.0 85.0 85.0 87.5			
Power Factor	25% 0.48 0.42 0.39 0.40			
	50% 0.76 0.70 0.66 0.67			
	75% 0.85 0.81 0.78 0.80			
	100% 0.88 0.86 0.84 0.86			
Bearing type : <u>Drive end</u> 6206 ZZ <u>Non drive end</u> 6205 ZZ Sealing : Oil Seal Lip Seal Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM	Foundation loads Max. traction : 95 lb Max. compression : 217 lb			
Notes				
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.	These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.			
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	24/01/2018		1 / 2	

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	150 °C

Space heater information

Voltage: 200 - 240 V

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	24/01/2018		2 / 2	