

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : W22Xd IE2 Three-Phase	Product code : 13484961 Catalog # : E00218XP3WAX100LF3-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 : 128 lb Moment of inertia (J) : 0.2485 sq.ft.lb				
Output [kW]	2.2	2.2	2.2	2.2	
Poles	4	4	4	4	
Frequency [Hz]	50	50	50	60	
Rated voltage [V]	220/380	230/400	240/415	460	
Rated current [A]	8.26/4.78	8.07/4.64	7.89/4.56	3.94	
L. R. Amperes [A]	57.8/33.5	56.5/32.5	55.2/31.9	31.5	
LRC [A]	7.0	7.0	7.0	8.0	
No load current [A]	4.15/2.40	4.52/2.60	4.84/2.80	2.40	
Rated speed [RPM]	1425	1435	1440	1745	
Slip [%]	5.00	4.33	4.00	3.06	
Rated torque [ft.lb]	10.8	10.8	10.7	8.86	
Locked rotor torque [%]	260	310	330	330	
Breakdown torque [%]	280	320	340	380	
Service factor	1.00	1.00	1.00	1.00	
Temperature rise	80 K	80 K	80 K	80 K	
Locked rotor time	19s (cold) 11s (hot)	19s (cold) 11s (hot)	19s (cold) 11s (hot)	19s (cold) 11s (hot)	
Noise level ²	53.0 dB(A)	53.0 dB(A)	53.0 dB(A)	54.0 dB(A)	
Efficiency (%)	25%	83.1	82.6	81.5	81.0
	50%	83.5	83.0	82.3	83.0
	75%	84.3	84.5	84.5	85.5
	100%	84.3	84.5	84.9	87.5
Power Factor	25%	0.39	0.35	0.32	0.33
	50%	0.65	0.60	0.56	0.58
	75%	0.77	0.73	0.71	0.71
	100%	0.83	0.81	0.79	0.80
Bearing type	Drive end : 6206 ZZ Non drive end : 6205 ZZ	Foundation loads Max. traction : 193 lb Max. compression : 321 lb			
Sealing	Oil Seal Lip Seal				
Lubrication interval	- -				
Lubricant amount	- -				
Lubricant type	Mobil Polyrex EM				
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.			
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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

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