

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line	: W22Xd IE2 Three-Phase	Product code :	13391969		
		Catalog # :	E00736XP3YAX132SF3-W		
Frame	: 132S/M	Cooling method	: IC411 - TEFC		
Insulation class	: F	Mounting	: B3T		
Duty cycle	: S1	Rotation ¹	: Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 235 lb		
Protection degree	: IP56	Moment of inertia (J)	: 0.5975 sq.ft.lb		
Design	: N				
Output [kW]	7.5	7.5	7.5	7.5	
Poles	2	2	2	2	
Frequency [Hz]	50	50	50	60	
Rated voltage [V]	380/660	400/690	415	460	
Rated current [A]	14.5/8.35	14.1/8.17	13.8	12.1	
L. R. Amperes [A]	98.6/56.8	95.9/55.6	93.8	92.0	
LRC [A]	6.8	6.8	6.8	7.6	
No load current [A]	4.50/2.59	5.20/3.01	5.90	4.60	
Rated speed [RPM]	2900	2910	2915	3520	
Slip [%]	3.33	3.00	2.83	2.22	
Rated torque [ft.lb]	18.2	18.2	18.1	15.0	
Locked rotor torque [%]	190	220	240	240	
Breakdown torque [%]	260	290	310	330	
Service factor	1.00	1.00	1.00	1.00	
Temperature rise	80 K	80 K	80 K	80 K	
Locked rotor time	23s (cold) 13s (hot)	23s (cold) 13s (hot)	23s (cold) 13s (hot)	23s (cold) 13s (hot)	
Noise level ²	67.0 dB(A)	67.0 dB(A)	67.0 dB(A)	72.0 dB(A)	
Efficiency (%)	25%	88.4	87.7	86.7	85.4
	50%	88.4	88.0	87.3	86.5
	75%	88.4	88.5	88.3	88.5
	100%	88.1	88.5	88.7	89.5
Power Factor	25%	0.52	0.47	0.42	0.46
	50%	0.77	0.72	0.67	0.70
	75%	0.85	0.82	0.79	0.82
	100%	0.89	0.87	0.85	0.87
Bearing type	: <u>Drive end</u> 6308 ZZ <u>Non drive end</u> 6207 ZZ	Foundation loads			
Sealing	: Oil Seal Lip Seal	Max. traction	: 162 lb		
Lubrication interval	: - -	Max. compression	: 397 lb		
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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