

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W22Xdb IE3 Three-Phase	Product code : 12431030 Catalog # : E00518XT3YAX132SF3-W				
Frame : 132S/M Output : 5.5 kW (7.5 HP) Poles : 4 Frequency : 50 Hz Rated voltage : 380/660 V Rated current : 10.8/6.22 A L. R. Amperes : 81.0/46.6 A LRC : 7.5 No load current : 4.50/2.59 A Rated speed : 1465 rpm Slip : 2.33 % Rated torque : 26.5 ft.lb Locked rotor torque : 190 % Breakdown torque : 280 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 1.07 sq.ft.lb Design : N	Locked rotor time : 19s (cold) 11s (hot) Temperature rise : 80 K Duty cycle : S1 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP56 Cooling method : IC411 - TEFC Mounting : B3T Rotation ¹ : Both (CW and CCW) Noise level ² : 56.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 247 lb				
Output 25% 50% 75% 100% Efficiency (%) 88.8 88.7 89.0 89.0 89.6 89.6 89.7 88.4 88.7 88.8 89.5 89.6 91.0 89.8 91.7 Power Factor 0.44 0.40 0.71 0.66 0.81 0.78 0.86 0.84 0.38 0.39 0.63 0.65 0.75 0.76 0.82 0.82	Foundation loads Max. traction : 357 lb Max. compression : 603 lb				
Losses at normative operating points (speed;torque), in percentage of rated output power					
Losses (%)	P1 (0,9;1,0)	11.7	11.6	11.5	9.1
	P2 (0,5;1,0)	10.8	10.7	10.5	8.4
	P3 (0,25;1,0)	9.9	9.8	9.7	7.7
	P4 (0,9;0,5)	5.4	5.3	5.3	4.2
	P5 (0,5;0,5)	4.1	4.0	4.0	3.2
	P6 (0,5;0,25)	2.6	2.6	2.6	2.1
	P7 (0,25;0,25)	2.0	2.0	1.9	1.5
Bearing type : Sealing : Lubrication interval : Lubricant amount : Lubricant type :	Drive end 6308 ZZ Oil Seal - - Mobil Polyrex EM	Non drive end 6207 ZZ Lip Seal - -			
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).					
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	05/02/2025		1 / 3		

DATA SHEET

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(3) Approximate weight subject to changes after manufacturing process.
(4) At 100% of full load.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	05/02/2025		2 / 3	

DATA SHEET

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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

Rev.	Changes Summary	Performed	Checked	Date
Performed by				Page 3 / 3
Checked by				
Date	05/02/2025			
				Revision