DATA SHEET

Checked by

Date

26/03/2024

Three Phase Induction Motor - Squirrel Cage



Times Times	0 11144641611 1116	tor Oquiror	Jugo			
Customer	:					
Product line	: Multimounting IE3 Three-Phase		Product code : Catalog # :		13984000 .7512ET3WAL90S-W22	
Frame	: 90S/L		Locked rotor time		: 73s (cold) 41s (hot)	
Output	: 1 HP (0.75 kW)		Temperature rise		: 80 K	
Poles	: 6		Duty cycle		: S1	
Frequency	: 50 Hz		Ambient temperature		: -20°C to +40°C	
Rated voltage	: 220/380 V		Altitude		: 1000 m.a	
Rated current	: 3.28/1.90 A		Protection	degree	: IP55	
L. R. Amperes	: 18.1/10.5 A		Cooling m		: IC411 - TEFC	
LRC	: 5.5		Mounting		: B3L(E)	
No load current	: 1.90/1.10 A		Rotation ¹		: Both (CW and CCW)	
			Noise level ²		: 45.0 dB(A)	
Rated speed	: 945 rpm					
Slip	: 5.50 %		Starting method		: Direct On	Line
Rated torque			Approx. weight ³		: 46.1 lb	
Locked rotor torqu						
Breakdown torque						
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia	(J) : 0.1561	sq.ft.lb				
Design	: N					
Output	25% 50%	75% 100%	Foundation	oads		
Efficiency (%)	79.0 76.3 78.9 77.2 8		Max. traction		: 103 lb	
illiciency (70)		81.5 82.5	IVIAX. (I action	•	. 100 10	
Power Factor	0.30 0.26 0.52 0.47		May compr	nasion	. 140 lb	
Power Factor		0.59 0.68	Max. compression		: 149 lb	
_osses at normativ	ve operating points (sp					
Losses (%)	P1 (0,9;1,0)	23.9	22.5		20.1	
	P2 (0,5;1,0)	19.5	18.3		16.3	
	P3 (0,25;1,0)	18.4	17.3		15.5	
	P4 (0,9;0,5)	15.7	14.7		13.1	
	P5 (0,5;0,5)	11.2	10.5		9.4	
	P6 (0,5;0,25)	9.4	8.8		7.9	
	P7 (0,25;0,25)	7.1	6.7		6.0	
		Drive end	Non drive end		1	
Bearing type :		6205 ZZ	6204 ZZ V'Ring		<u>4</u>	
Sealing	: 0203 22 : V'Ring					
Lubrication interva	al ·	Vixing	v King			
Lubricant amount		_		_		
Lubricant type		Mo	bil Polyrex EN	1		
	·			<u> </u>		
Notes:						
This revision repla	ces and cancel the pre	wious one which	These are a	verage values	based on tests w	vith cinucoidal
must be eliminated		wilds one, willon			ne tolerances stipu	
must be eliminated. (1) Looking the motor from the shaft end.			MG-1.	ıy, adoj e ct iü ii	io totorarioes supt	alated III NEIVI <i>F</i>
			IVIG-1.			
	m and with tolerance of					
	eight subject to change	es allei				
manufacturing pro						
(4) At 100% of full	load.					
Rev.	Chanç	ges Summary		Performed	Checked	Date
Performed by						1

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Revision