DATA SHEET



Customer	:							
Product line	: W	22 IEEE 8	41 NEMA Pre	mium Effic	ciency	Product code :	12967947	
	Thr	Three-Phase				Catalog # :	02009ST3HIE324T-W22	
Frame		: 324	./6T		Locked	d rotor time	: 48s (cold)) 27s (hot)
Output	: 20 HP (15 kW)				Temperature rise		: 80 K	
Poles	: 8				Duty c	ycle	: Cont.(S1)	
Frequency	: 60 Hz				Ambie	nt temperature	: -20°C to -	+40°C
Rated voltage	: 575 V				Altitud	е	: 1000 m.a	.s.l.
Rated current	: 22.6 A				Protec	tion degree	: IP56	
L. R. Amperes					Coolin	g method	: IC411 - T	EFC
LRC	: 5.0x(Code G)				Mounting		: F-1	
No load current	rrent : 12.8 A				Rotatio	on¹	: Both (CW and CCW)	
Rated speed					Noise level ²		: 56.0 dB(A)	
Slip : 2.22 %				Starting method		: Direct On Line		
Rated torque		: 119	ft.lb			ς. weight³	: 515 lb	
Locked rotor torque : 190 %								
Breakdown torqu		: 220						
Insulation class	-	: F						
Service factor		: 1.2	5					
Moment of inertia	a (.l)		7 sq.ft.lb					
Design	u (0)	: B	. 04.11.10					
Dutput	25%	50%	75%	100%	Foundat	ion loads		
fficiency (%)	89.2	89.5	91.0	91.0	Max. trad	ction	: 750 lb	
Power Factor	0.31 0.54		0.66	0.73	Max. compression		: 1265 lb	
						-		
osses at normat	ive operat	ing points	(speed;torque), in perce	entage of r	ated output power		
P1 (0,9;1,0)	P2 (0,5	:1.0)	P3 (0,25;1,0)	P4 ((0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25
9.5	8.0				5.2	3.7	2.8	2.0
			Drive e	nd		Non drive end		
Bearing type			6312			6212 C3	<u>-</u>	
Sealing type	:		Inpro/Seal			Inpro/Seal		
Lubrication inter	•		20000 h			20000 h		
Lubricant amount		: 2000 II		13 g				
Lubricant type		:	;		bil Polyrex			
his revision repl nust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v	ed. notor from 1m and wit	the shaft e	end. ee of +3dB(A).	which		ire average values upply, subject to th		
nanufacturing pro 4) At 100% of ful Rev.	ocess.		anges Summa	ary		Performed	Checked	Date
Performed by								
Checked by							Page	Revision

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25/03/2024

Date