DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:							
Product line	: W22 Tru-N	Metric IE3	Three-Phase	Product code : Catalog # :			13034181 04512ET3Y280S/M-W22	
Frame	• 2	80S/M		Locked	rotor time	· 30s (col	d) 22s (hot)	
			I2\A/\	Locked rotor time Temperature rise		: 39s (cold) 22s (hot)		
Output) HP (45	KVV)			: 80 K		
Poles	: 6			Duty cy		: S1		
Frequency				Ambient temperature		: -20°C to		
Rated voltage	•			Altitude		: 1000 m.	a.s.l.	
Rated current	rrent : 89.8 A			Protection degree		: IP55		
L. R. Amperes	: 611 A		Cooling method		: IC411 - TEFC			
LRC .	: 6.8			Mounting		: B3L(E)	: B3L(E)	
No load current				Rotation¹		: Both (CW and CCW)		
Rated speed				Noise level ²		: 65.0 dB(A)		
Slip				Starting method		: Direct O	` '	
•		18 ft.lb		Approx. weight ³		: 1391 lb	II LIIIC	
				Applox	. weignt	. 139110		
Locked rotor torqu		90 %						
Breakdown torque		40 %						
Insulation class	: F							
Service factor	: 1.	-						
Moment of inertia	(J) : 60	6.5 sq.ft.l	b					
Design	: N							
Output	50% 75	5%	100%	Foundation	on loads			
Efficiency (%)	92.4 92.4 94	4.0 94.2	94.0 94.2	Max. trac	tion	: 1560 lb		
	93.0 94	4.5	94.5					
	0.66 0.60 0.77 0.7		0.81 0.78	Max. com	npression	: 2951 lb		
		72	0.78		•			
		4- /						
Losses at normative								
	P1 (0,9;1,0)		6.0		5.8	5.5		
	P2 (0,5;1,0)		4.2	4.1		3.9		
	P3 (0,25;1,0)		3.5	3	3.4	3.2		
Losses (%)	P4 (0,9;0,5)		3.9	3	3.8	3.6		
	P5 (0,5;0,5)		2.3	2	2.2	2.1		
	P6 (0,5;0,25)		1.8	1.8		1.7		
	P7 (0,25;0,2		1.2		.1	1.1		
	1 7 (0,23,0,2	,		'	l l			
5		<u> </u>	Drive end		Non drive en	<u>a</u>		
Bearing type	:		6316 C3	6316 C3 WSeal				
Sealing	:		WSeal					
Lubrication interva	l :		16000 h		16000 h			
Lubricant amount	:		34 g		34 g			
Lubricant type	:		Mo	obil Polyrex EM				
Notes:								
This revision replacemust be eliminated (1) Looking the moto (2) Measured at 1m (3) Approximate we manufacturing processions.	tor from the shaf n and with tolera eight subject to c ess.	t end. nce of +3	dB(A).		re average values upply, subject to t			
(4) At 100% of full I		Changes	Summary		Performed	Checked	Date	
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	Changes Summary	Performed	Checked	Date
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26/03/2024			1/1	
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