DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:					
Product line	: W22 Tru-Metric IE3 Three-Phase		Product code : Catalog # :		13034279 01109ET3Y180L-W22	
Frame Output Poles Frequency Rated voltage	: 180L : 15 HP (11 kW) : 8 : 50 Hz : 380 V		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude		: 21s (cold) 12s (hot) : 80 K : S1 : -20°C to +40°C : 1000 m.a.s.l.	
Rated current : 24.2 A R. Amperes : 157 A .RC : 6.5 No load current : 10.1 A		Protect Cooling Mountii Rotatio	ion degree I method ng n¹	: IP55 : IC411 - TEFC : B3L(E) : Both (CW and CCW) : 52.0 dB(A)		
Slip : 4.00 % Rated torque : 109 ft.lb Locked rotor torque : 200 % Breakdown torque : 240 %)	Noise level ² Starting method Approx. weight ³		: Direct On Line : 416 lb	
Insulation class Service factor Moment of inertia Design	: N					
Output	50% 75% 90.0 89.0 90.0 89	100% 9.9 89.8 90.5	Foundation		: 1121 lb	
Efficiency (%) Power Factor	88.5 89.5 0.59 0.52 0.71 0.	89.5	Max. com		: 1537 lb	
	0.59 0.71	0.79				
Losses at normativ	e operating points (sp					
	P1 (0,9;1,0)	10.8		0.0	11.2	
	P2 (0,5;1,0)	9.0		3.3	9.3	
1 (0/)	P3 (0,25;1,0)	8.7		3.1	9.0	
Losses (%)	P4 (0,9;0,5)	5.9		5.4	6.1	
	P5 (0,5;0,5)	4.1		5.8	4.3	
	P6 (0,5;0,25)	3.1		2.8	3.2	
	P7 (0,25;0,25)	2.2	2	2.1	2.3	
		Drive end	Non drive end 6211 C3 V'Ring		<u>d</u>	
Bearing type	:	6311 C3				
Sealing	:	V'Ring				
Lubrication interva	il :	20000 h		20000 h		
Lubricant amount	:	18 g	hil Dalumay	11 g		
Lubricant type Notes:	•	IVIC	bil Polyrex	□IVI		
Notes.						
must be eliminated (1) Looking the mo (2) Measured at 1n	tor from the shaft end n and with tolerance o eight subject to chang cess.	f +3dB(A).			s based on tests v he tolerances stip	
Rev.	Chan	ges Summary		Performed	Checked	Date
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Performed by					
Checked by				Page	Revision
Date	26/03/2024			1/1	