DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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Customer	:					
Product line	: W22 Close Coupled Pump JM High Efficiency Three-Phase		Product code	: 1259838	12598386	
Frame	: 143/5J	M	Locked rotor time	· 23s (cc	old) 13s (hot)	
Output	: 143/33W : 1.5 HP (1.1 kW)		Temperature rise	: 80 K	na) 133 (110t)	
Poles	: 1.5 HP (1.1 KW) : 2		Duty cycle	: Cont.(S	21)	
	. 2 : 60 Hz		Ambient temperature		o +40°C	
Frequency	: 230/460 V		Altitude	: 1000 m		
Rated voltage	: 3.98/1.99 A		I .		1.a.s.i.	
Rated current			Protection degree	: IP55	TEEO	
L. R. Amperes	: 27.1/13.5 A		Cooling method	: IC411 -	· TEFC	
LRC	: 6.8x(Code J)		Mounting	: F-1		
No load current	: 1.60/0.800 A		Rotation ¹		CW and CCW)	
Rated speed	: 3480 rpm		Noise level ²	: 68.0 dE		
Slip	: 3.33 %		Starting method	: Direct (
Rated torque	: 2.26 ft.lb		Approx. weight ³	: 50.0 lb		
Locked rotor torqu	ue : 250 %					
Breakdown torque	e : 300 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia	(J) : 0.0370	sa.ft.lb				
Design	: B	- 4				
Output	25% 50%	75% 100%	Foundation loads			
Efficiency (%)	78.0 80.8 78.5 80.0	82 5 81 5 82 5 80 0	Max. traction	: 37 lb		
Lincicity (70)	80.9 78.0 80.0 78.5		Wax. traction	. 07 10		
Power Factor	0.44 0.50 0.68 0.75		Max. compression	: 87 lb		
rowel ractor			Max. compression	. 07 10		
	0.46 0.43 0.71 0.67	0.00 0.76 0.00 0.05				
Losses at normativ	ve operating points (sp	eed;torque), in perce	entage of rated output po	ower		
	P1 (0,9;1,0)	20.1	23.7	23.7	21.5	
	P2 (0,5;1,0)	16.2	19.1	19.1	17.3	
	P3 (0,25;1,0)	14.6	17.2	17.2	15.6	
Losses (%)	P4 (0,9;0,5)	10.6	12.5	12.5	11.4	
		6.3	7.5	7.5	6.8	
	P5 (0,5;0,5)		-	_		
	P6 (0,5;0,25)	4.3	5.0	5.0	4.6	
	P7 (0,25;0,25)	2.8	3.3	3.3	3.0	
	Drive end		Non drive end			
Bearing type	: 6206 ZZ		6204 ZZ			
Sealing	:	V'Ring	V'Ring			
Lubrication interva	al :	-	-	-		
Lubricant amount	:	-	_			
Lubricant type	:	Mo	bil Polyrex EM			
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Notes:						
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This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end.			These are average va			
			MG-1.			
	m and with tolerance o					
	eight subject to chang	es atter				
manufacturing pro (4) At 100% of full						
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29/03/2024

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