## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



	·	noi OquiiToi	Cago			
Customer	:					
Product line	: W22 Close Coupled Pump JM High Efficiency Three-Phase		Product code :		11524019	
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed	: 143/5JM : 2 HP (1.5 kW) : 2 : 60 Hz : 230/460 V : 5.28/2.64 A : 39.1/19.5 A : 7.4x(Code J) : 2.10/1.05 A : 3450 rpm		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation <sup>1</sup> Noise level <sup>2</sup>		: 28s (cold) 16s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 68.0 dB(A)	
Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia Design	e : 300 % : F : 1.25	lb	Starting metho Approx. weight		: Direct On : 54.4 lb	Line
Output	25% 50%	75% 100%	Foundation loads	3	·	
Efficiency (%)	81.0 79.1 81.5 78.5		Max. traction		: 63 lb	
Power Factor	79.5 79.5 80.0 80.0 81.5 81.5 81.5 81.5 81.5 0.44 0.50 0.69 0.73 0.80 0.82 0.85 0.87 0.46 0.43 0.69 0.68 0.79 0.78 0.85 0.85 Max. compression			n	: 117 lb	
Losses at normativ	ve operating points (sp	eed;torque), in perce	ntage of rated out	out power		
Losses (%)	P1 (0,9;1,0)	18.3	24.0		21.8	21.8
	P2 (0,5;1,0)	15.1	19.8		18.0	18.0
	P3 (0,25;1,0)	13.4 9.1	17.6 11.9		16.0 10.8	16.0 10.8
	P4 (0,9;0,5) P5 (0,5;0,5)	5.7	7.4		6.8	6.8
		3.7				
	P6 (0,5;0,25)		4.8		4.4	4.4
	P7 (0,25;0,25)	2.4	3.2		2.9	2.9
		Drive end	Non drive end			
Bearing type	:			6204 ZZ		
Sealing	:	V'Ring	V'Ring			
Lubrication interva		-		-		
Lubricant amount	:	-		-		
Lubricant type	:	Mol	bil Polyrex EM			
Notes:						
must be eliminated (1) Looking the mo (2) Measured at 1r	otor from the shaft end. m and with tolerance of eight subject to change cess.	f +3dB(A).			based on tests w e tolerances stipu	
Rev.	Chanc	ges Summary	Perf	ormed	Checked	Date
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