## **DATA SHEET**

## Single Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: W2	22 JM Pump Si	ngle-Phase	Product code :	14505577
Frame Output		: 182/4JM : 5 HP (3.		Locked rotor time Temperature rise	: 12s (cold) 7s (hot) : 80 K
Poles Frequency		: 4 : 60 Hz	.,	Duty cycle Ambient temperature	: Cont.(S1) : -20°C to +40°C
Rated voltage Rated current		: 208-230 : 23.0-21.4 : 150-139	4 A	Altitude Protection degree Cooling method	: 1000 m.a.s.l. : IP55 : IC411 - TEFC
L. R. Amperes LRC No load current		: 6.5x(Coo	de H)	Mounting Rotation <sup>1</sup>	: F-1 : Both (CW and CCW)
Rated speed Slip		: 1730 rpn : 3.89 %		Noise level <sup>2</sup> Starting method	: 60.0 dB(A) : Direct On Line
Rated torque Locked rotor torque Breakdown torque		: 2.10 kgfm : 360 % : 235 %		Approx. weight <sup>3</sup>	: 54.7 kg
Insulation class Service factor	uc	: F : 1.15			
Moment of inert	ia (J)	: 0.0184 k	gm²		
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	72.5	78.5	80.0	Max. traction	: 76 kgf
Power Factor	0.89	0.93	0.94	Max. compression	: 130 kgf
Bearing type			Drive end 6307 ZZ	Non drive end 6206 ZZ	<u>I</u>
Sealing type		:	V'Ring	V'Ring	
Lubrication inter	val	:		-	
Lubricant amou	nt	:	-	-	
Lubricant type				Mobil Polyrex FM	

Notes:

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

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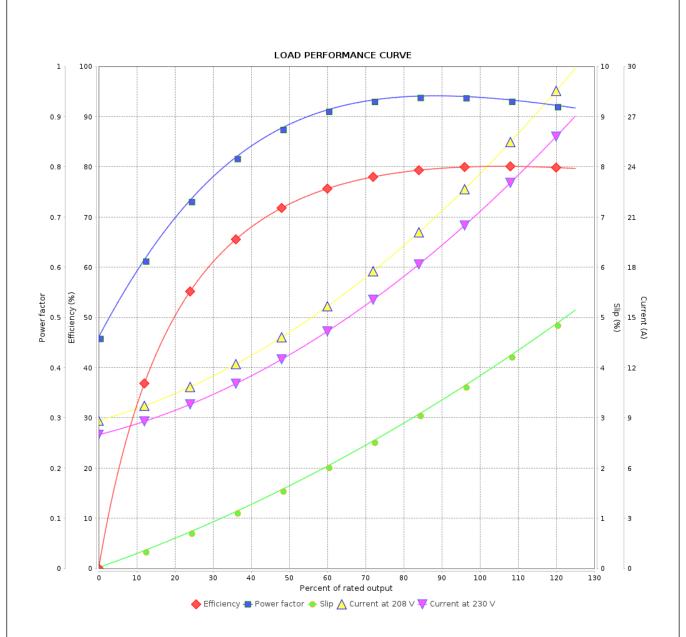
## LOAD PERFORMANCE CURVE

## Single Phase Induction Motor - Squirrel Cage



Customer	

Product line : W22 JM Pump Single-Phase Product code: 14505577



Performance	: 208-230 V 60 Hz 4P			
Rated current	: 23.0-21.4 A	Moment of inertia (J)	: 0.0184 kgm²	
LRC	: 6.5	Duty cycle	: Cont.(S1)	
Rated torque	: 2.10 kgfm	Insulation class	: F	
Locked rotor torque	: 360 %	Service factor	:	
Breakdown torque	: 235 %	Temperature rise	: 80 K	
Rated speed	: 1730 rpm			

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