

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 JM Pump Single-Phase		Product code : 13876940				
Frame : 143/5JM Output : 1.5 HP (1.1 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 13.5/7.00-6.75 A L. R. Amperes : 108/56.0-54.0 A LRC : 8.0x(Code K) No load current : 4.60/1.98-2.30 A Rated speed : 1755 rpm Slip : 2.50 % Rated torque : 0.620 kgfm Locked rotor torque : 260 % Breakdown torque : 229 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0069 kgm <sup>2</sup>	Locked rotor time : 10s (cold) 6s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 58.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 31.8 kg					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	65.0	73.0	77.0	Max. traction : 24 kgf		
Power Factor	0.90	0.92	0.92	Max. compression : 56 kgf		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6206 ZZ		6203 ZZ		
Sealing	:	V'Ring		V'Ring		
Lubrication interval	:	-		-		
Lubricant amount	:	-		-		
Lubricant type	:	Mobil Polyrex EM				
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.			
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	01/07/2023				1 / 2	

# LOAD PERFORMANCE CURVE

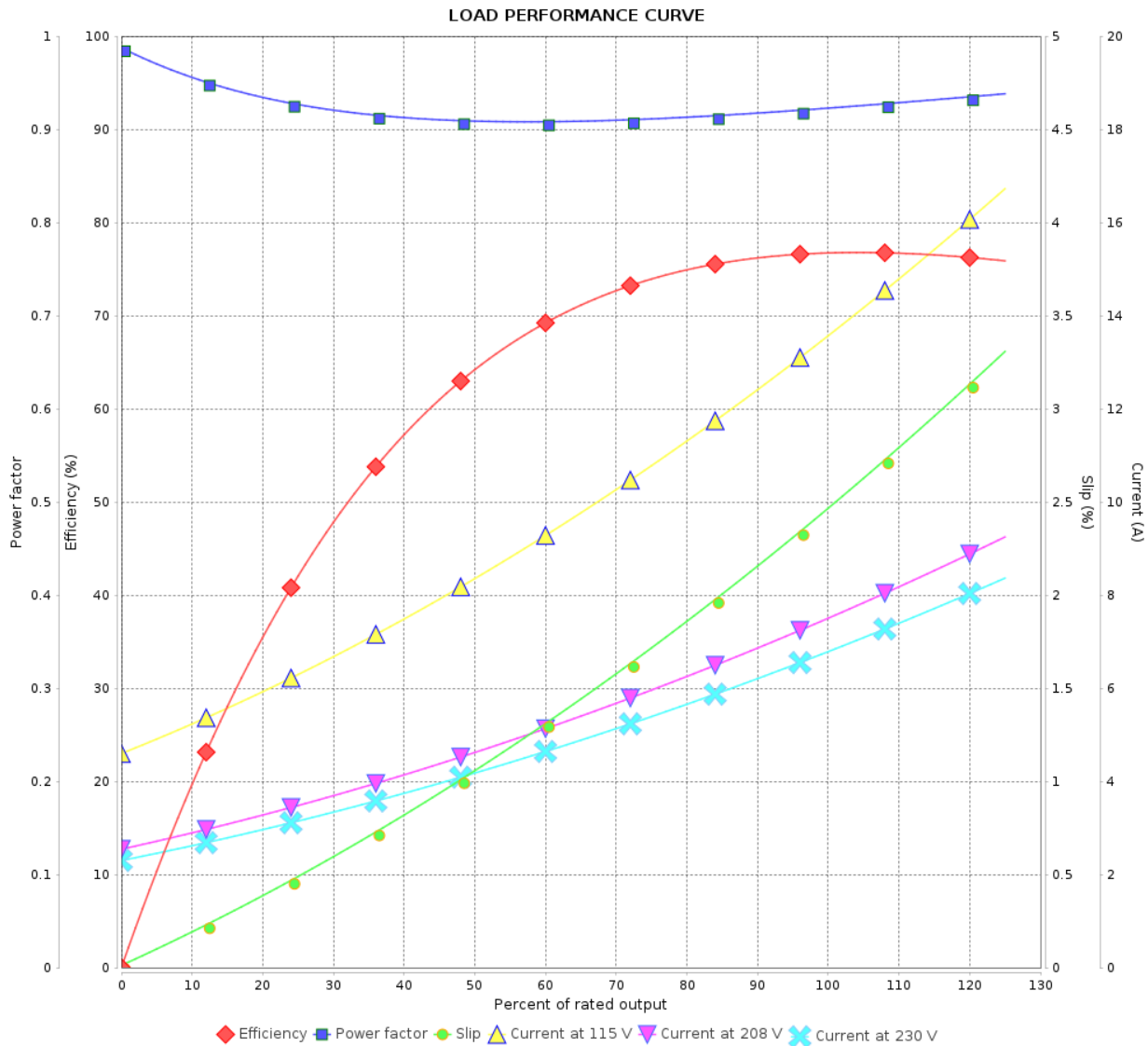
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Customer :

Product line : W22 JM Pump Single-Phase

Product code : 13876940



Performance : 115/208-230 V 60 Hz 4P

Rated current : 13.5/7.00-6.75 A  
 LRC : 8.0  
 Rated torque : 0.620 kgfm  
 Locked rotor torque : 260 %  
 Breakdown torque : 229 %  
 Rated speed : 1755 rpm

Moment of inertia (J) : 0.0069 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	01/07/2023			