

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: W22 JM Pump Single-Phase		Product code : 14076632	
Frame	:	213/5JM	Locked rotor time	: 10s (cold) 6s (hot)	
Output	:	7.5 HP (5.5 kW)	Temperature rise	: 80 K	
Poles	:	4	Duty cycle	: Cont.(S1)	
Frequency	:	60 Hz	Ambient temperature	: -20°C to +40°C	
Rated voltage	:	208-230 V	Altitude	: 1000 m.a.s.l.	
Rated current	:	33.0-31.7 A	Protection degree	: IP55	
L. R. Amperes	:	254-244 A	Cooling method	: IC411 - TEFC	
LRC	:	7.7x(Code J)	Mounting	: F-1	
No load current	:	11.0-12.8 A	Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	:	1750 rpm	Noise level <sup>2</sup>	: 63.0 dB(A)	
Slip	:	2.78 %	Starting method	: Direct On Line	
Rated torque	:	3.11 kgfm	Approx. weight <sup>3</sup>	: 83.8 kg	
Locked rotor torque	:	370 %			
Breakdown torque	:	260 %			
Insulation class	:	F			
Service factor	:	1.15			
Moment of inertia (J)	:	0.0457 kgm <sup>2</sup>			
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	75.6	81.0	83.0	Max. traction : 107 kgf	
Power Factor	0.82	0.88	0.91	Max. compression : 191 kgf	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6309 ZZ C3	6206 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
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# LOAD PERFORMANCE CURVE

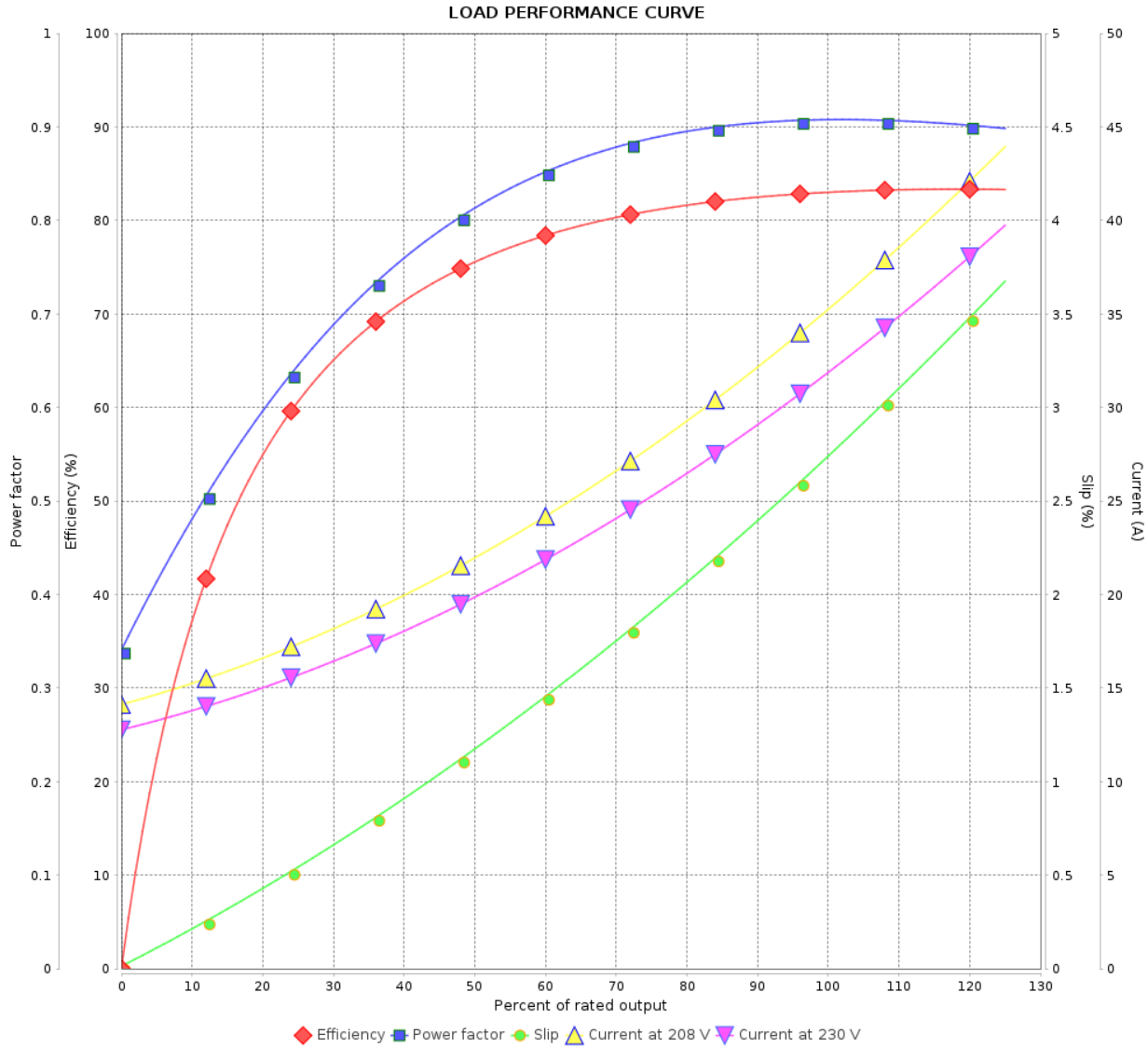
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 JM Pump Single-Phase

Product code : 14076632



Performance : 208-230 V 60 Hz 4P

Rated current : 33.0-31.7 A  
 LRC : 7.7  
 Rated torque : 3.11 kgfm  
 Locked rotor torque : 370 %  
 Breakdown torque : 260 %  
 Rated speed : 1750 rpm

Moment of inertia (J) : 0.0457 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		Revision
Checked by		2 / 2		
Date	27/10/2024			