

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: W22 Close Coupled Pump JM NEMA Premium Efficiency Three-Phase		Product code : 14138272	
Frame	: 254/6JM		Locked rotor time	: 28s (cold) 16s (hot)	
Output	: 25 HP (18.5 kW)		Temperature rise	: 80 K	
Poles	: 2		Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	: 208-230/460 V		Altitude	: 1000 m.a.s.l.	
Rated current	: 62.9-56.9/28.5 A		Protection degree	: IP55	
L. R. Amperes	: 390-353/177 A		Cooling method	: IC411 - TEFC	
LRC	: 6.2x(Code G)		Mounting	: F-1	
No load current	: 14.1-16.4/8.20 A		Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	: 3520 rpm		Noise level <sup>2</sup>	: 72.0 dB(A)	
Slip	: 2.22 %		Starting method	: Direct On Line	
Rated torque	: 5.15 kgfm		Approx. weight <sup>3</sup>	: 140 kg	
Locked rotor torque	: 220 %				
Breakdown torque	: 280 %				
Insulation class	: F				
Service factor	: 1.25				
Moment of inertia (J)	: 0.0691 kgm <sup>2</sup>				
Design	: B				
Output	25%	50%	75%	100%	
Efficiency (%)	0.000	91.0	91.5	91.7	
Power Factor	0.00	0.82	0.87	0.89	
Foundation loads					
Max. traction : 157 kgf					
Max. compression : 297 kgf					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6309 C3	6209 C3		
Sealing	:	V'Ring	V'Ring		
Lubrication interval	:	19000 h	20000 h		
Lubricant amount	:	13 g	9 g		
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.		
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# LOAD PERFORMANCE CURVE

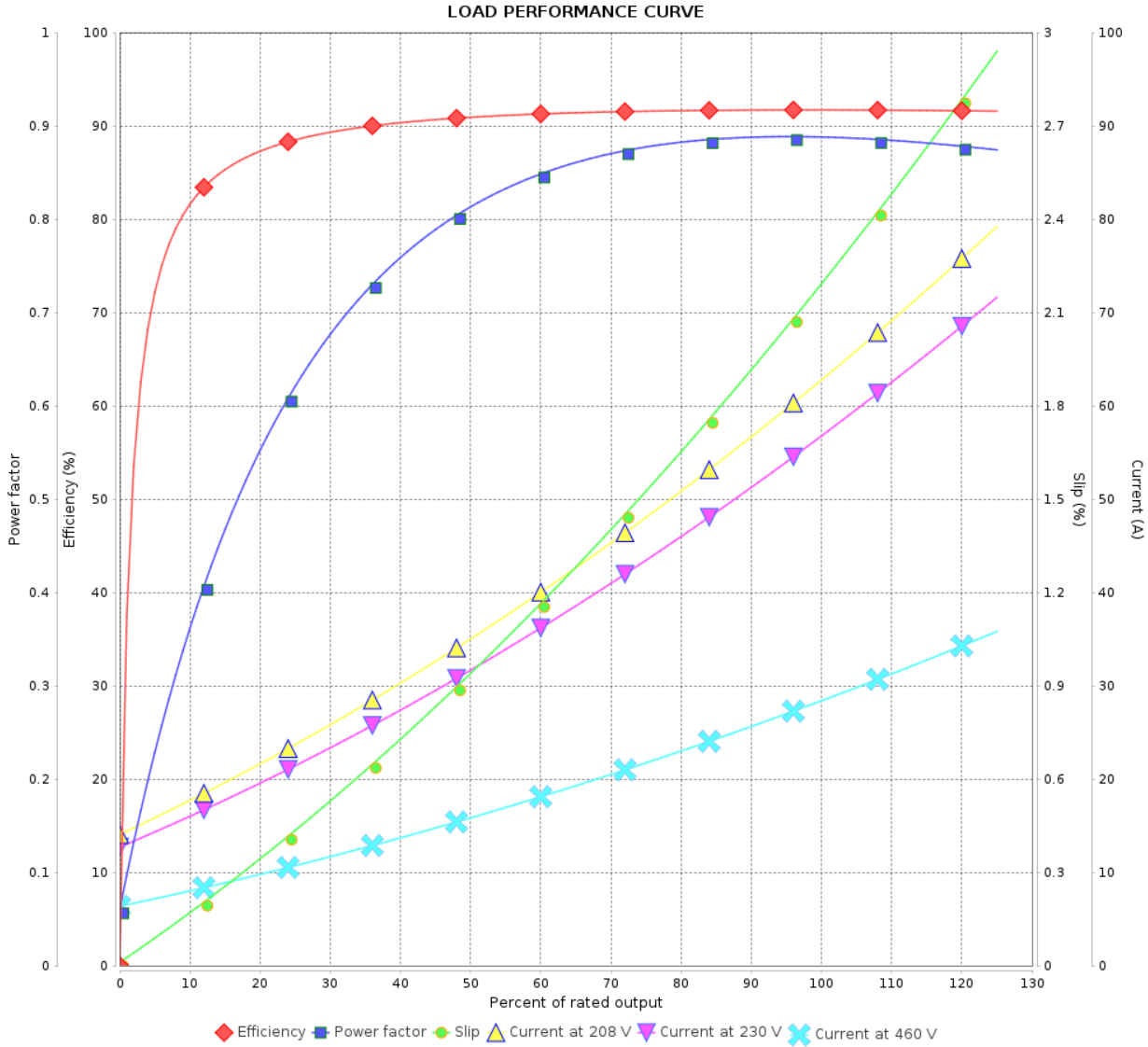
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Close Coupled Pump JM NEMA  
Premium Efficiency Three-Phase

Product code : 14138272



Performance : 208-230/460 V 60 Hz 2P

Rated current : 62.9-56.9/28.5 A  
LRC : 6.2  
Rated torque : 5.15 kgfm  
Locked rotor torque : 220 %  
Breakdown torque : 280 %  
Rated speed : 3520 rpm

Moment of inertia (J) : 0.0691 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.25  
Temperature rise : 80 K  
Design : B

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