

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: Close Coupled Pump NEMA Premium Efficiency Three-Phase		Product code : 11083738			
Frame	:	256JP		Locked rotor time	:	21s (cold) 12s (hot)	
Output	:	20 HP (15 kW)		Temperature rise	:	80 K	
Poles	:	4		Duty cycle	:	Cont.(S1)	
Frequency	:	60 Hz		Ambient temperature	:	-20°C to +40°C	
Rated voltage	:	575 V		Altitude	:	1000 m.a.s.l.	
Rated current	:	19.8 A		Protection degree	:	IP23	
L. R. Amperes	:	124 A		Cooling method	:	IC01 - ODP	
LRC	:	6.3x(Code G)		Mounting	:	F-1	
No load current	:	9.60 A		Rotation <sup>1</sup>	:	Both (CW and CCW)	
Rated speed	:	1770 rpm		Noise level <sup>2</sup>	:	60.0 dB(A)	
Slip	:	1.67 %		Starting method	:	Direct On Line	
Rated torque	:	8.20 kgfm		Approx. weight <sup>3</sup>	:	128 kg	
Locked rotor torque	:	260 %					
Breakdown torque	:	280 %					
Insulation class	:	F					
Service factor	:	1.15					
Moment of inertia (J)	:	0.1104 kgm <sup>2</sup>					
Design	:	B					
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	91.7	93.0	93.0	Max. traction		: 297 kgf	
Power Factor	0.63	0.72	0.82	Max. compression		: 425 kgf	
				<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6309 Z C3		6209 Z C3			
Sealing	:	Without Bearing Seal		Without Bearing Seal			
Lubrication interval	:	20000 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.			
Rev.	Changes Summary			Performed	Checked	Date	
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# LOAD PERFORMANCE CURVE

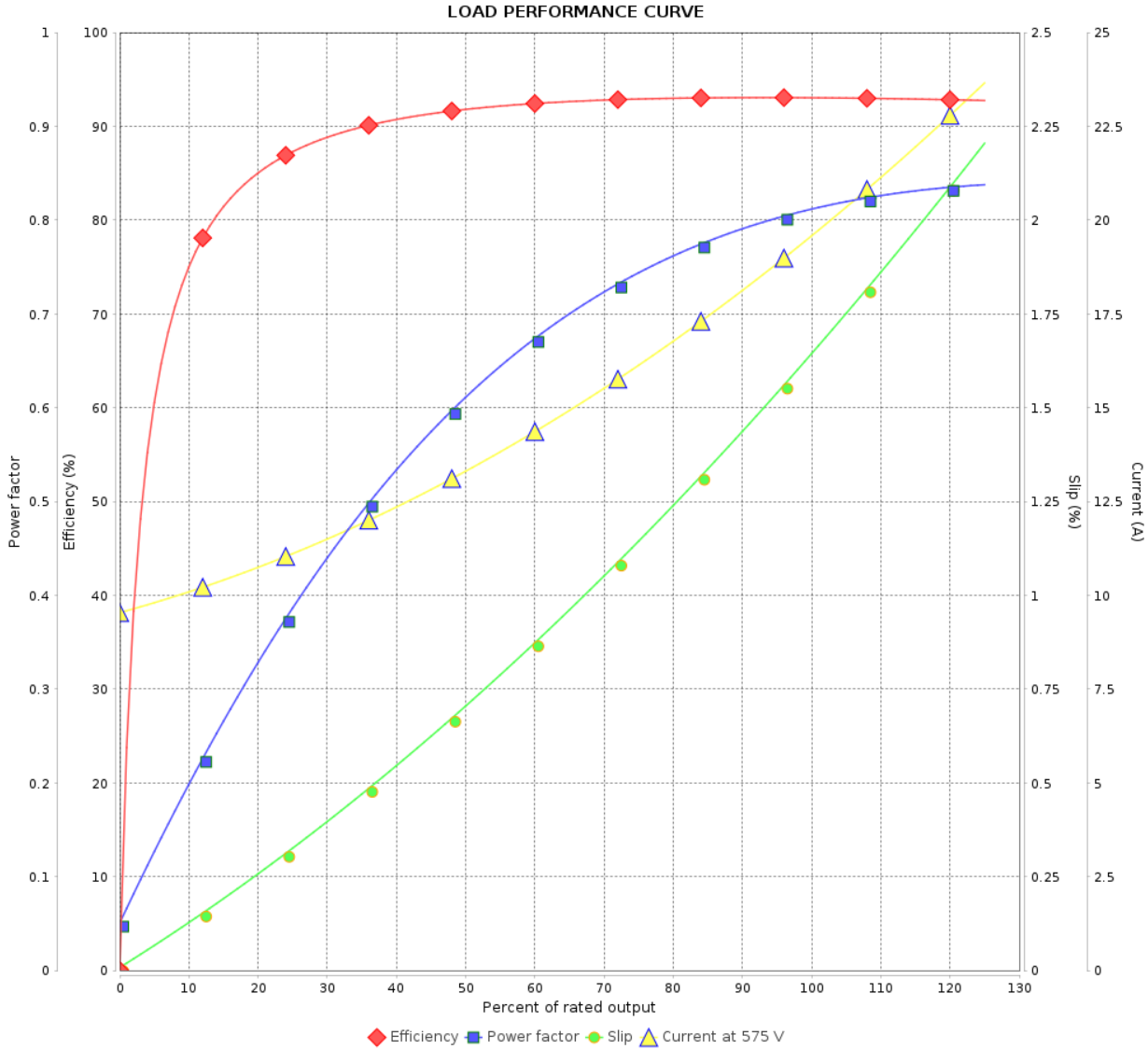
Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

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

Product code : 11083738



Performance : 575 V 60 Hz 4P

Rated current : 19.8 A  
 LRC : 6.3  
 Rated torque : 8.20 kgfm  
 Locked rotor torque : 260 %  
 Breakdown torque : 280 %  
 Rated speed : 1770 rpm

Moment of inertia (J) : 0.1104 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	20/10/2023			