

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Wjet Pump Three-Phase		Product code : 10812182			
Frame	: E56C	Locked rotor time	: 18s (cold) 10s (hot)		
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K		
Poles	: 2	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	: 1.24 A	Protection degree	: IP21		
L. R. Amperes	: 8.06 A	Cooling method	: IC01 - ODP		
LRC	: 6.5x(Code K)	Mounting	: F-1		
No load current	: 0.760 A	Rotation <sup>1</sup>	: CCW		
Rated speed	: 3470 rpm	Starting method	: Direct On Line		
Slip	: 3.61 %	Approx. weight <sup>3</sup>	: 10.2 kg		
Rated torque	: 0.209 kgfm				
Locked rotor torque	: 260 %				
Breakdown torque	: 280 %				
Insulation class	: B				
Service factor	: 1.40				
Moment of inertia (J)	: 0.0012 kgm <sup>2</sup>				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	66.5	72.0	74.0	Max. traction : 13 kgf	
Power Factor	0.62	0.73	0.81	Max. compression : 24 kgf	
Bearing type	:	<u>Drive end</u> 6203 2RS	<u>Non drive end</u> 6203 2RS		
Sealing	:	Slinger	Without Bearing Seal		
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.		
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# LOAD PERFORMANCE CURVE

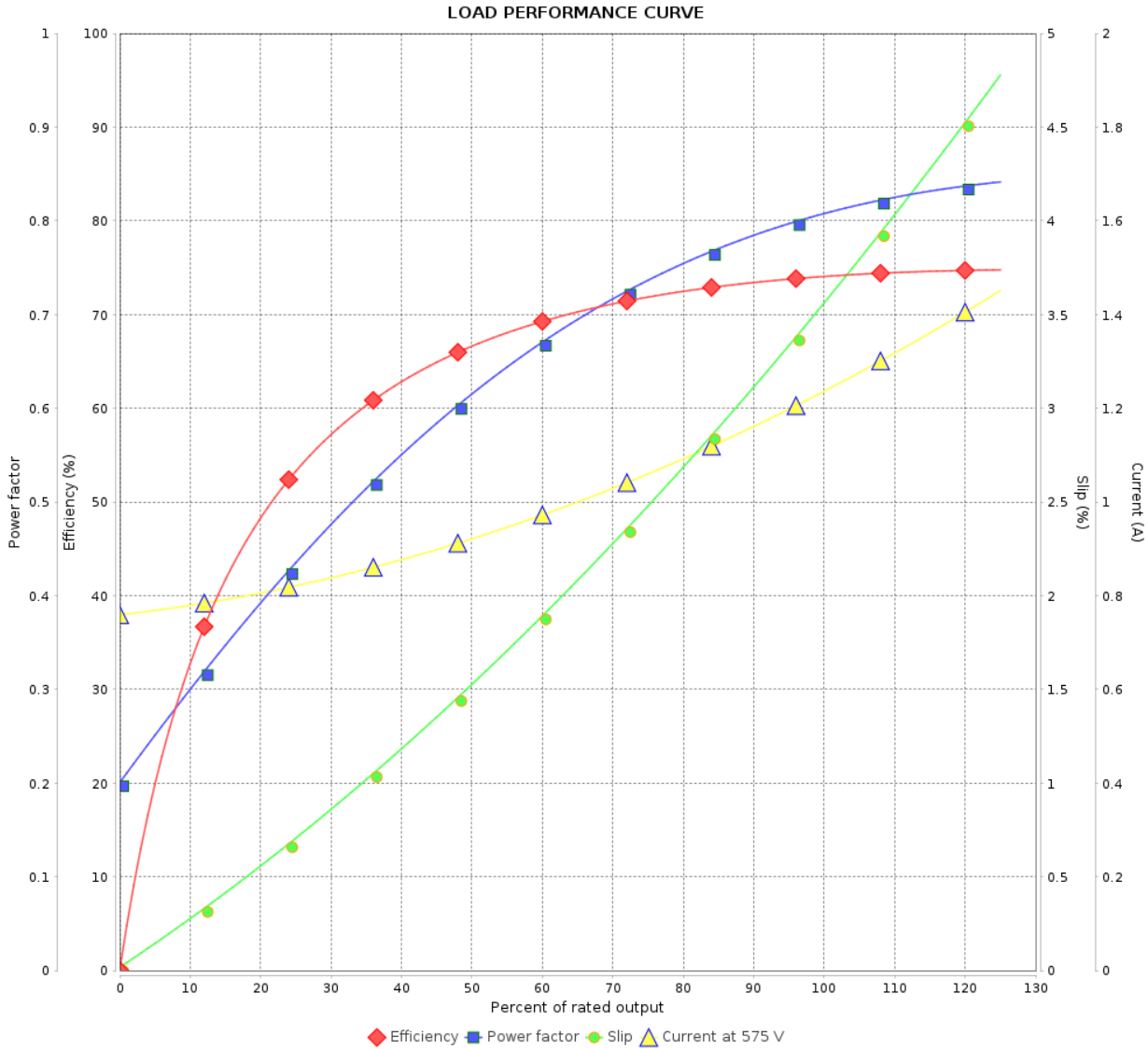
Three Phase Induction Motor - Squirrel Cage



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

Product line : Wjet Pump Three-Phase

Product code : 10812182



Performance : 575 V 60 Hz 2P

Rated current : 1.24 A  
 LRC : 6.5  
 Rated torque : 0.209 kgfm  
 Locked rotor torque : 260 %  
 Breakdown torque : 280 %  
 Rated speed : 3470 rpm

Moment of inertia (J) : 0.0012 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : B  
 Service factor : 1.40  
 Temperature rise : 80 K

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Date	14/01/2024			