

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Jet Pump - C type Premium Efficiency Three-Phase	Product code :	15952218	
Frame	: W56C	Cooling method	: IC411 - TEFC	
Insulation class	: F	Mounting	: W-6	
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup>	: CCW	
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line	
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>2</sup>	: 7.9 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0008 kgm <sup>2</sup>	
Output [HP]	0.5	0.5	0.5	
Poles	2	2	2	
Frequency [Hz]	60	50	50	
Rated voltage [V]	208-230/460	190-220/380	415	
Rated current [A]	1.73-1.57/0.784	1.77-1.53/0.885	0.836	
L. R. Amperes [A]	13.3-12.1/6.04	10.3-8.87/5.13	5.68	
LRC [A]	7.7x(Code L)	5.8x(Code H)	6.8x(Code K)	
No load current [A]	0.719-0.834/0.417	0.816-0.705/0.408	0.466	
Rated speed [RPM]	3435	2780	2825	
Slip [%]	4.58	7.33	5.83	
Rated torque [kgfm]	0.106	0.131	0.128	
Locked rotor torque [%]	330	240	300	
Breakdown torque [%]	360	250	310	
Service factor		1.15	1.15	
Temperature rise	80 K	80 K	80 K	
Locked rotor time	32s (cold) 18s (hot)	32s (cold) 18s (hot)	25s (cold) 14s (hot)	
Noise level <sup>2</sup>	65.0 dB(A)	64.0 dB(A)	64.0 dB(A)	
Efficiency (%)	25%			
	50%	68.0	72.0	
	75%	72.0	75.0	
	100%	74.0	74.7	
Power Factor	25%			
	50%	0.64	0.70	
	75%	0.75	0.81	
	100%	0.80	0.85	
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction	: 8 kgf	
Lubrication interval	: - -	Max. compression	: 16 kgf	
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes USABLE @208V SF 1.00				
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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Performed by				
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# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

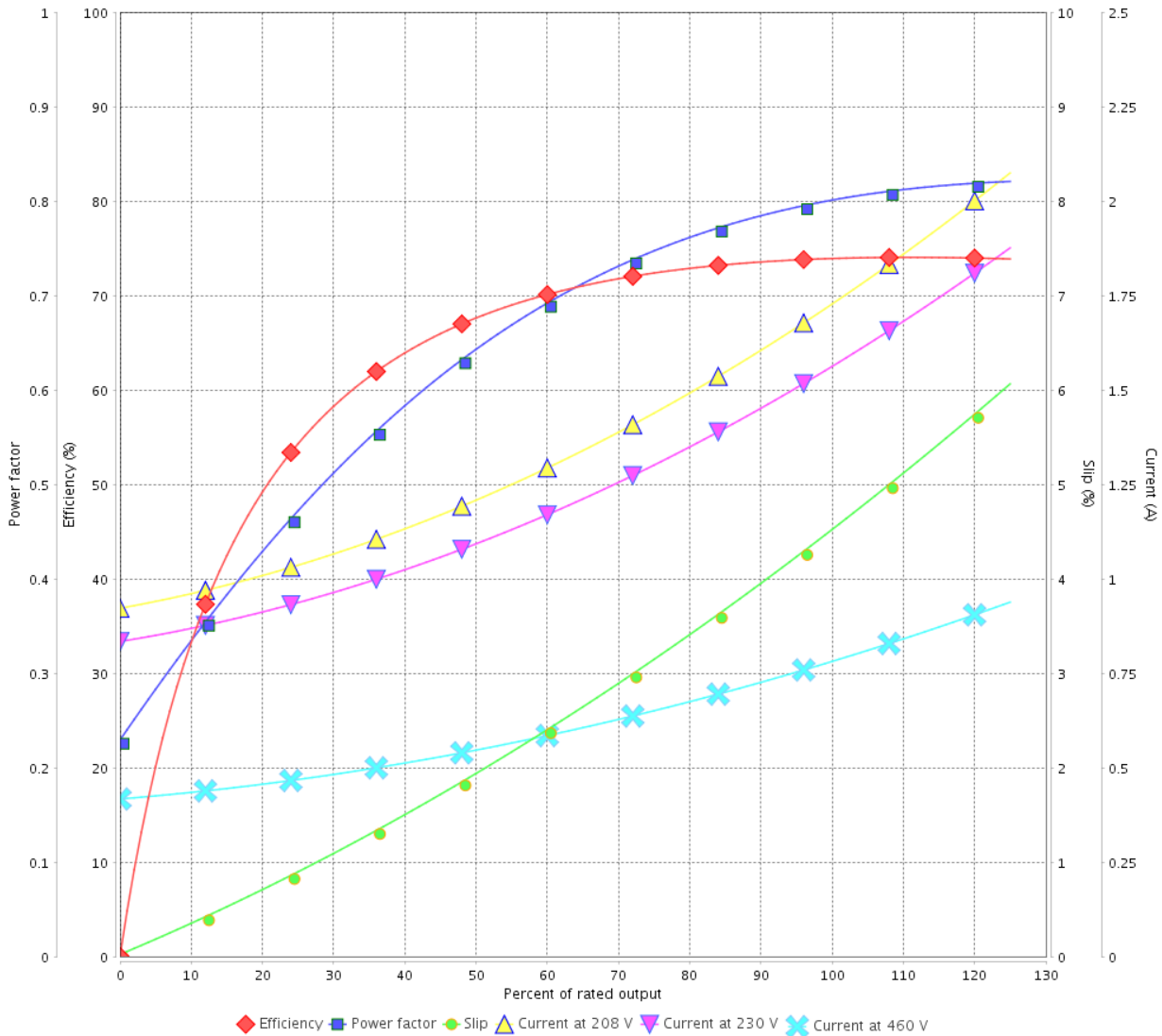


Customer :

Product line : Jet Pump - C type Premium  
Efficiency Three-Phase

Product code : 15952218

LOAD PERFORMANCE CURVE



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

Rated current : 1.73-1.57/0.784 A  
 LRC : 7.7  
 Rated torque : 0.106 kgfm  
 Locked rotor torque : 330 %  
 Breakdown torque : 360 %  
 Rated speed : 3435 rpm

Moment of inertia (J) : 0.0008 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K

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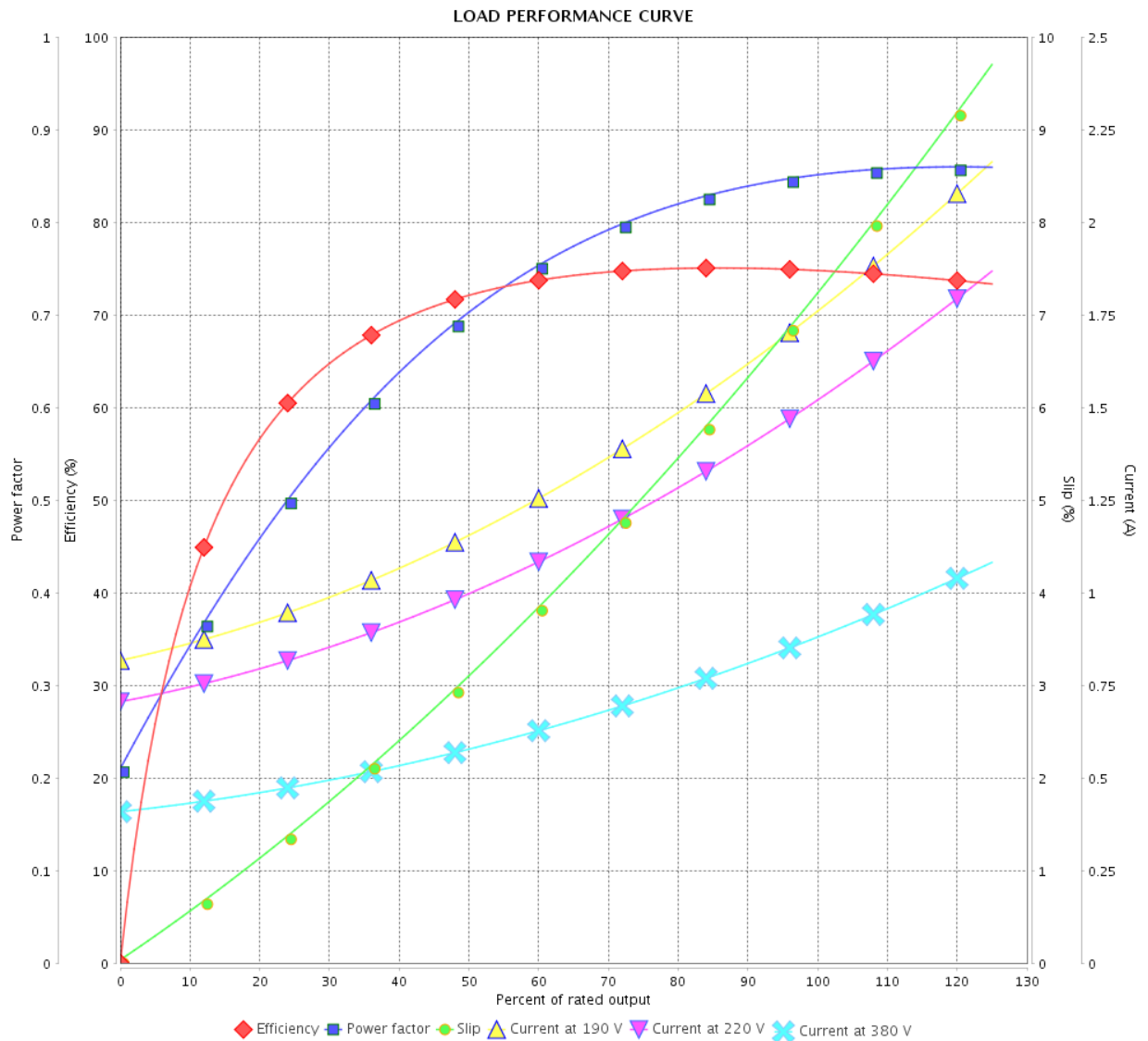
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Premium  
Efficiency Three-Phase

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Performance : 190-220/380 V 50 Hz 2P

Rated current : 1.77-1.53/0.885 A  
 LRC : 5.8  
 Rated torque : 0.131 kgfm  
 Locked rotor torque : 240 %  
 Breakdown torque : 250 %  
 Rated speed : 2780 rpm

Moment of inertia (J) : 0.0008 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

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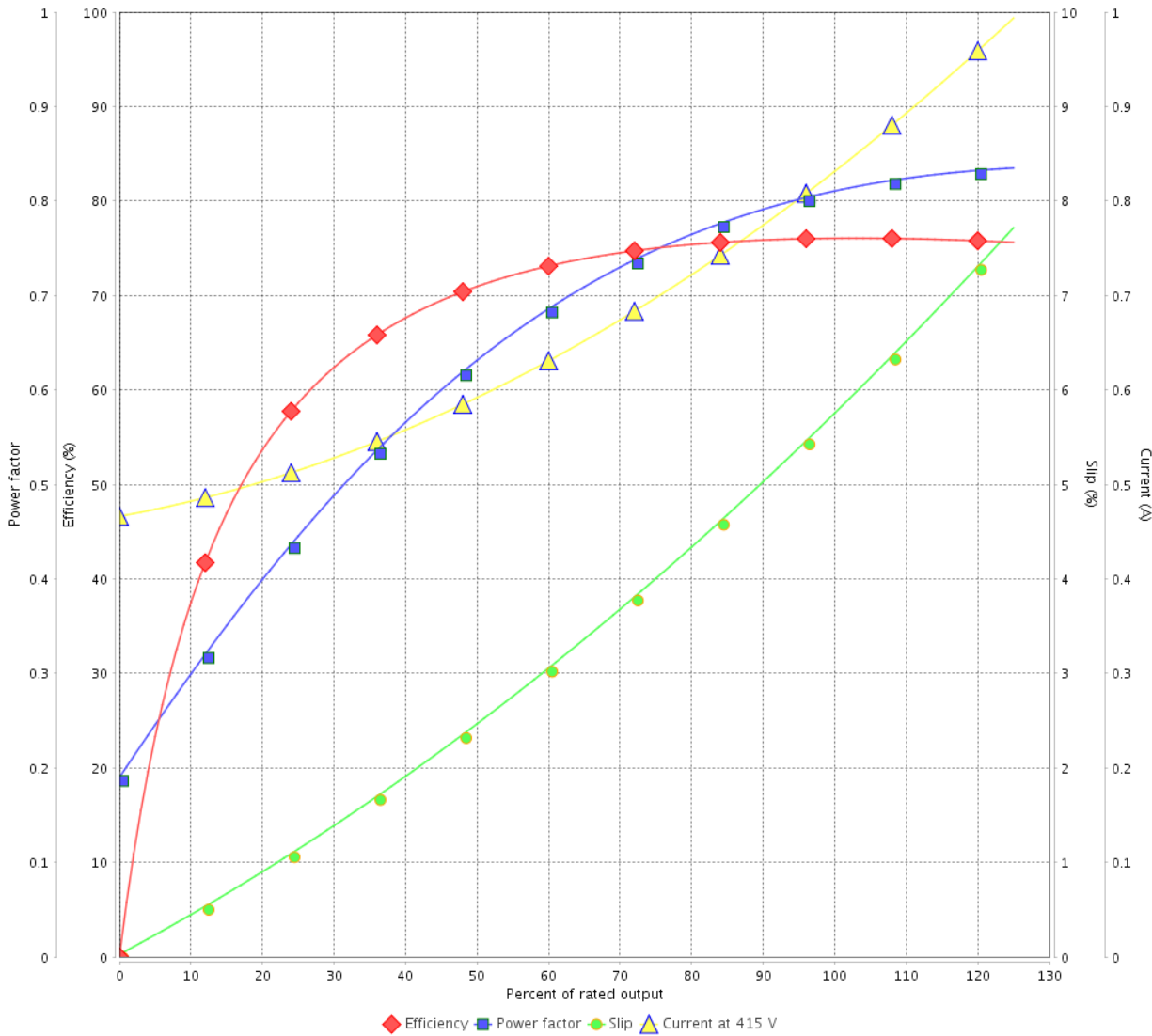


Customer :

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Efficiency Three-Phase

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LOAD PERFORMANCE CURVE



Performance : 415 V 50 Hz 2P

Rated current : 0.836 A  
LRC : 6.8  
Rated torque : 0.128 kgfm  
Locked rotor torque : 300 %  
Breakdown torque : 310 %  
Rated speed : 2825 rpm

Moment of inertia (J) : 0.0008 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 80 K

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