

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - J type Premium Efficiency Three-Phase	Product code : 14902007	
Frame : W56J		Cooling method : IC01 - ODP		
Insulation class : F		Mounting : W-6		
Duty cycle : Cont.(S1)		Rotation ¹ : CCW		
Ambient temperature : -20°C to +40°C		Starting method : Direct On Line		
Altitude : 1000 m.a.s.l.		Approx. weight ³ : 7.6 kg		
		Moment of inertia (J) : 0.0008 kgm ²		
Output [HP]	0.75	0.75	0.75	
Poles	2	2	2	
Frequency [Hz]	60	50	50	
Rated voltage [V]	208-230/460	190-220/380	415	
Rated current [A]	2.61-2.36/1.18	2.76-2.38/1.38	1.40	
L. R. Amperes [A]	20.4-18.4/9.20	17.7-15.3/8.83	9.66	
LRC [A]	7.8x(Code L)	6.4x(Code J)	6.9x(Code L)	
No load current [A]	1.38-1.60/0.800	1.50-1.30/0.750	1.00	
Rated speed [RPM]	3450	2820	2850	
Slip [%]	4.17	6.00	5.00	
Rated torque [kgfm]	0.158	0.193	0.191	
Locked rotor torque [%]	370	300	370	
Breakdown torque [%]	400	280	330	
Service factor		1.50	1.50	
Temperature rise	80 K	80 K	80 K	
Locked rotor time	32s (cold) 18s (hot)	32s (cold) 18s (hot)	27s (cold) 15s (hot)	
Noise level ²	62.0 dB(A)	60.0 dB(A)	60.0 dB(A)	
Efficiency (%)	25%			
	50%	68.0	71.0	67.0
	75%	72.0	74.0	72.0
	100%	76.8	74.0	74.0
Power Factor	25%			
	50%	0.57	0.62	0.50
	75%	0.69	0.75	0.64
	100%	0.76	0.82	0.74
Bearing type : Drive end 6203 2RS Non drive end 6202 2RS		Foundation loads		
Sealing : Without Without		Max. traction : 16 kgf		
Bearing Seal Bearing Seal		Max. compression : 24 kgf		
Lubrication interval : - -				
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.		
Rev.	Changes Summary		Performed	Checked
Performed by			Page	Revision
Checked by				
Date	17/05/2022			
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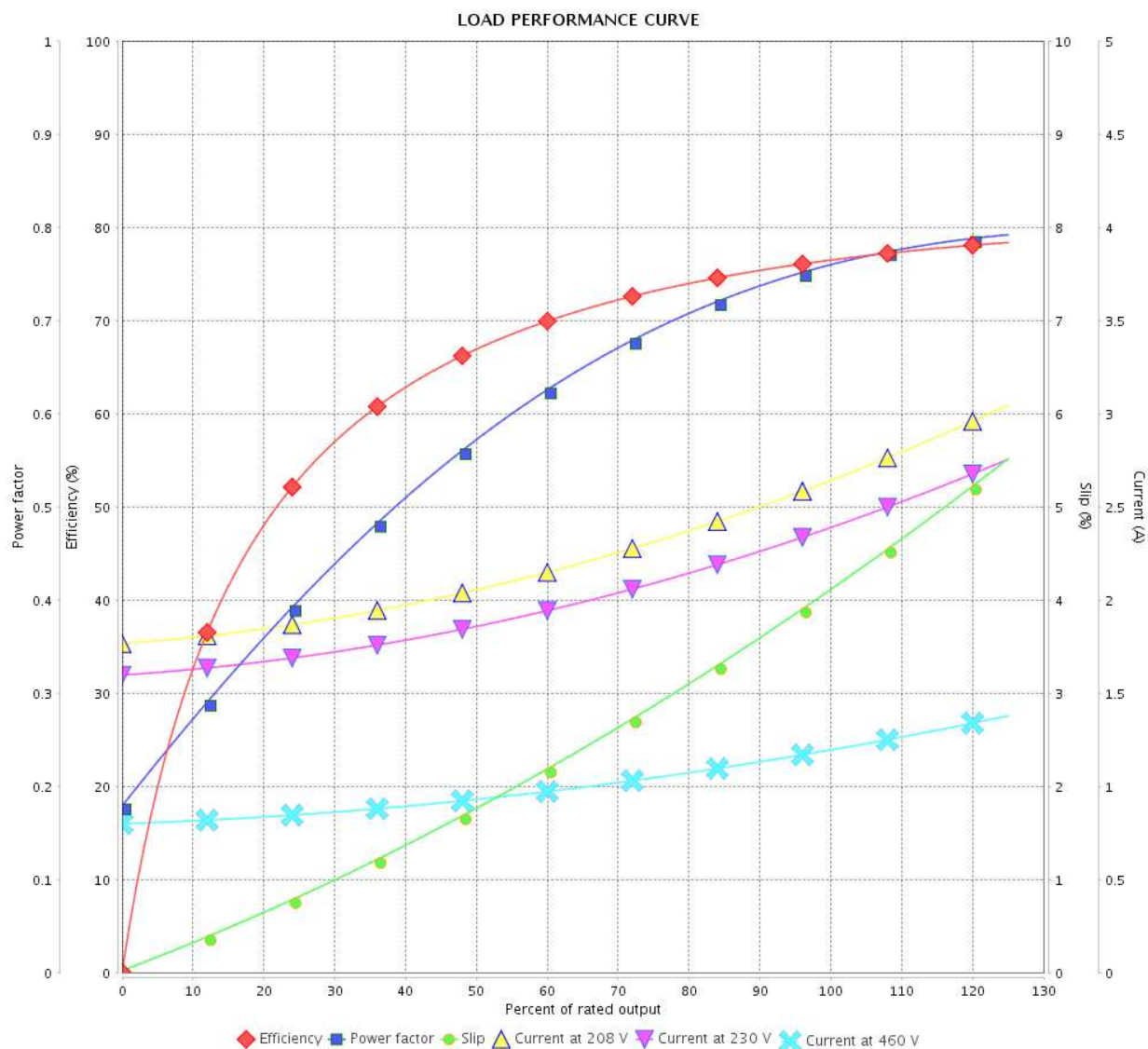
Three Phase Induction Motor - Squirrel Cage



Customer :

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

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

Rated current : 2.61-2.36/1.18 A
LRC : 7.8
Rated torque : 0.158 kgfm
Locked rotor torque : 370 %
Breakdown torque : 400 %
Rated speed : 3450 rpm

Moment of inertia (J) : 0.0008 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 4 Revision		
Checked by				
Date	17/05/2022			

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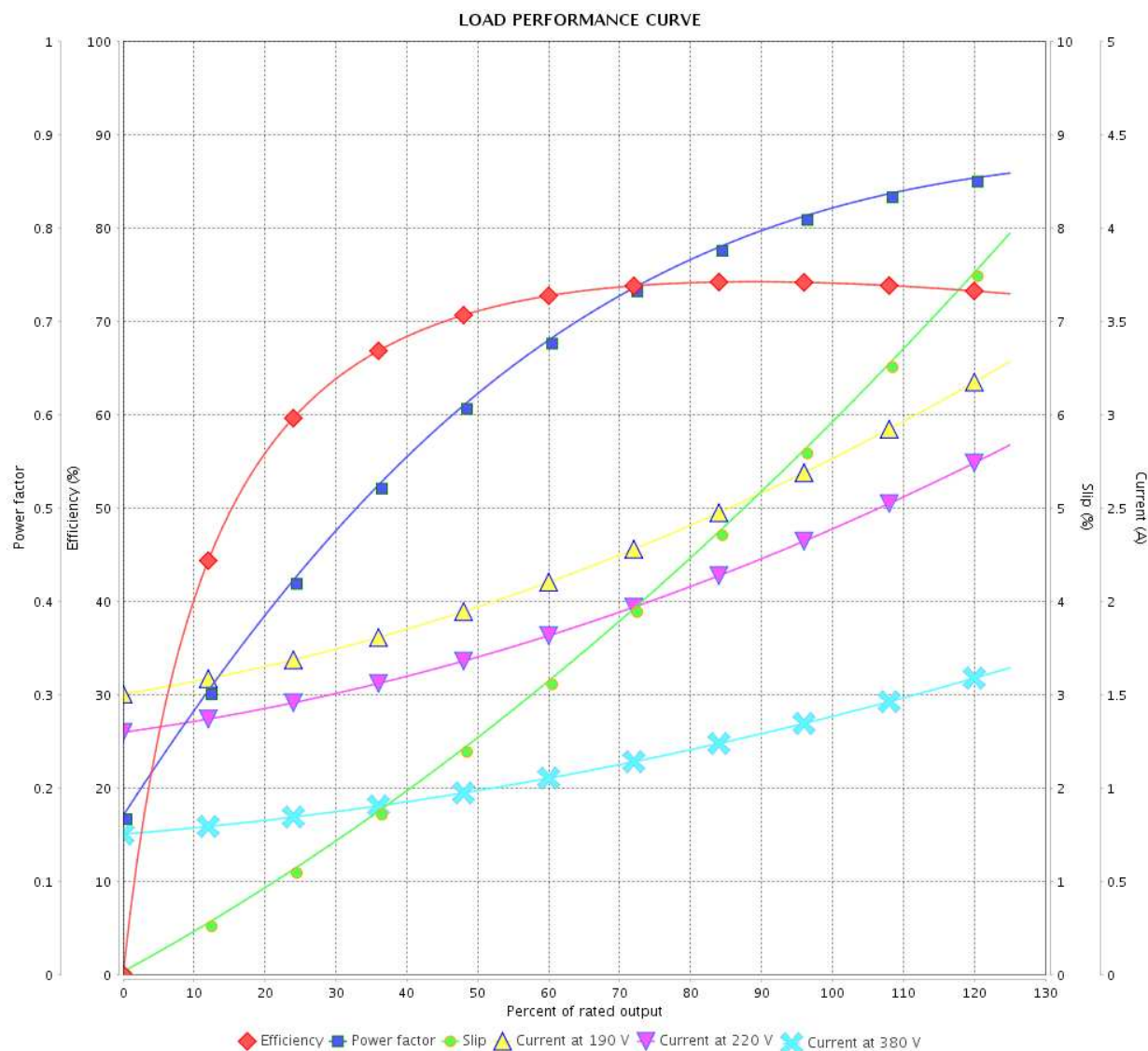
Three Phase Induction Motor - Squirrel Cage



Customer :

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

Rated current : 2.76-2.38/1.38 A
 LRC : 6.4
 Rated torque : 0.193 kgfm
 Locked rotor torque : 300 %
 Breakdown torque : 280 %
 Rated speed : 2820 rpm

Moment of inertia (J) : 0.0008 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.50
 Temperature rise : 80 K

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				3 / 4	
Date					

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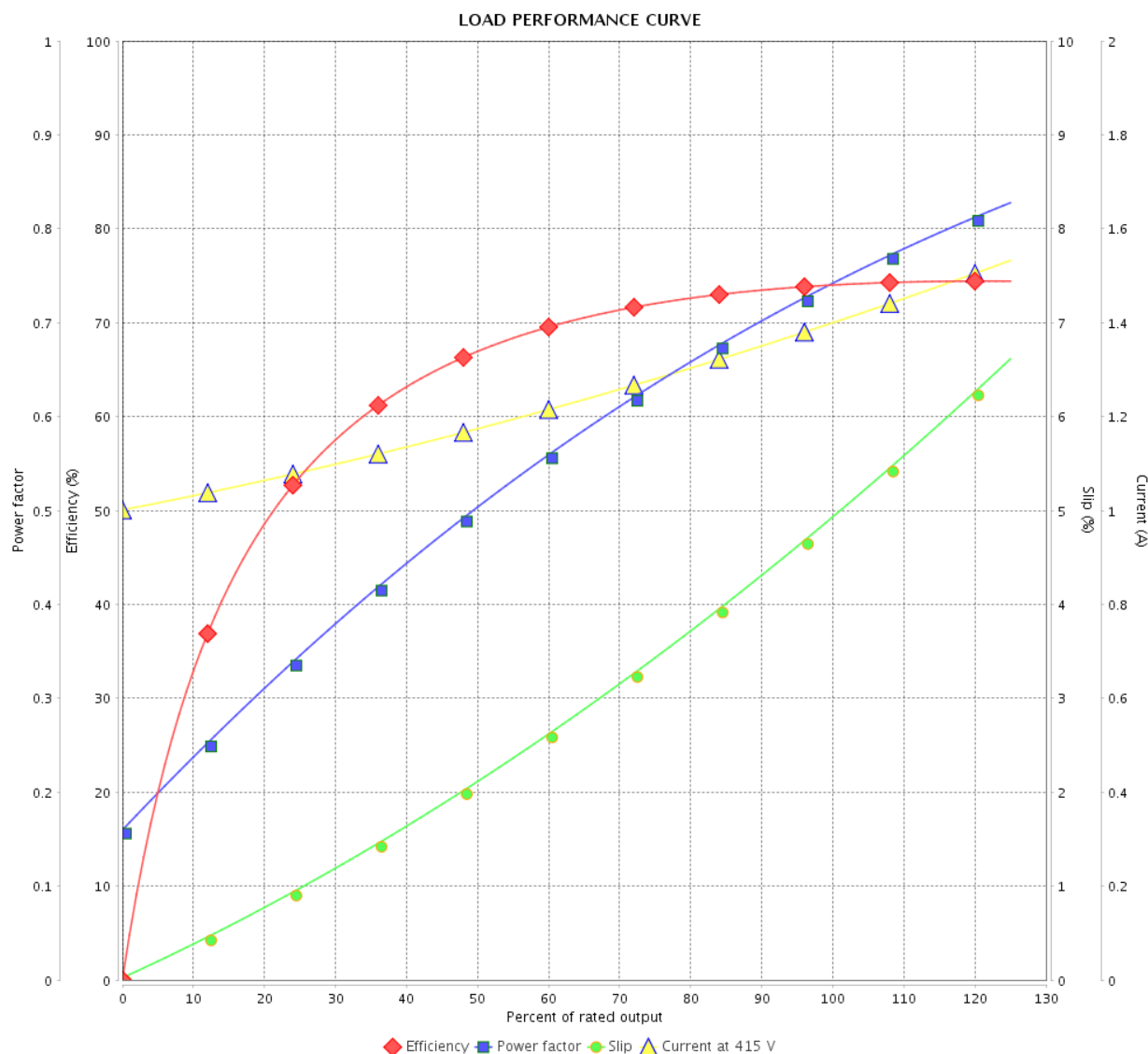
Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 14902007



Performance : 415 V 50 Hz 2P

Rated current : 1.40 A
 LRC : 6.9
 Rated torque : 0.191 kgfm
 Locked rotor torque : 370 %
 Breakdown torque : 330 %
 Rated speed : 2850 rpm

Moment of inertia (J) : 0.0008 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.50
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 4 / 4 Revision		
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