

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Jet Pump - J type Premium Efficiency Three-Phase	Product code :	13997360	
Frame	: W56J	Cooling method	: IC01 - ODP	
Insulation class	: F	Mounting	: F-1	
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 ²	: 8.8 kg	
		Moment of inertia (J)	: 0.0010 kgm ²	
Output [HP]	1	1	1	
Poles	2	2	2	
Frequency [Hz]	60	50	50	
Rated voltage [V]	230/460	190-220/380	415	
Rated current [A]	3.26/1.63	3.60-3.11/1.80	1.88	
L. R. Amperes [A]	27.1/13.5	25.2-21.8/12.6	13.9	
LRC [A]	8.3x(Code M)	7.0x(Code K)	7.4x(Code L)	
No load current [A]	2.00/1.00	2.00-1.73/1.00	1.40	
Rated speed [RPM]	3450	2820	2850	
Slip [%]	4.17	6.00	5.00	
Rated torque [kgfm]	0.210	0.257	0.255	
Locked rotor torque [%]	400	340	409	
Breakdown torque [%]	409	320	390	
Service factor		1.15	1.15	
Temperature rise	80 K	80 K	80 K	
Locked rotor time	23s (cold) 13s (hot)	23s (cold) 13s (hot)	18s (cold) 10s (hot)	
Noise level ²	62.0 dB(A)	60.0 dB(A)	60.0 dB(A)	
Efficiency (%)	25%			
	50%	70.0	68.0	
	75%	75.5	74.0	
	100%	77.0	76.0	
Power Factor	25%			
	50%	0.55	0.49	
	75%	0.68	0.63	
	100%	0.75	0.73	
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction	: 27 kgf	
Lubrication interval	: - -	Max. compression	: 36 kgf	
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes USABLE @208V 3.60A SF 1.00 SFA 3.60A				
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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Three Phase Induction Motor - Squirrel Cage

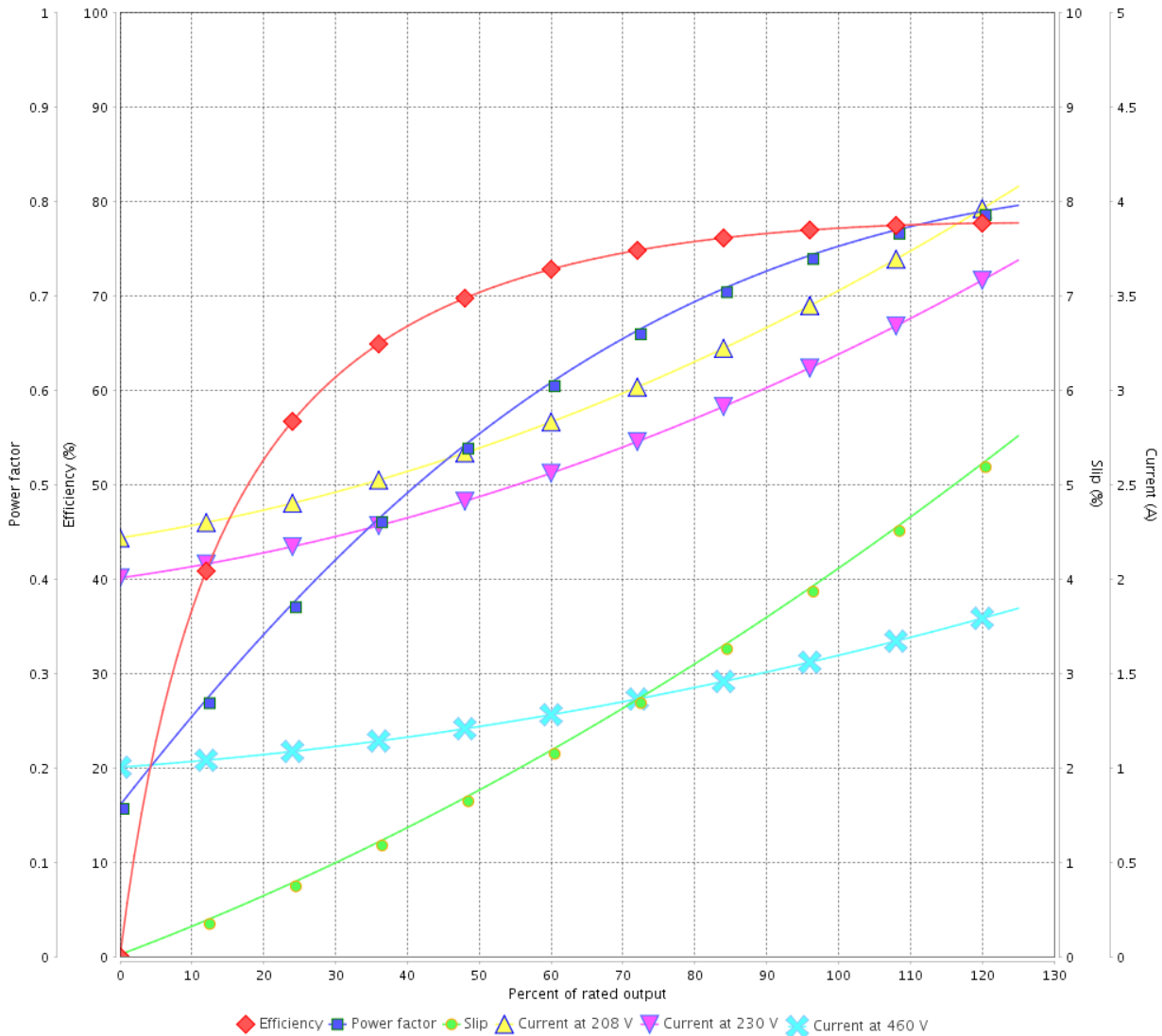


Customer :

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

Product code : 13997360

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Performance : 230/460 V 60 Hz 2P

Rated current : 3.26/1.63 A
LRC : 8.3
Rated torque : 0.210 kgfm
Locked rotor torque : 400 %
Breakdown torque : 409 %
Rated speed : 3450 rpm

Moment of inertia (J) : 0.0010 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K

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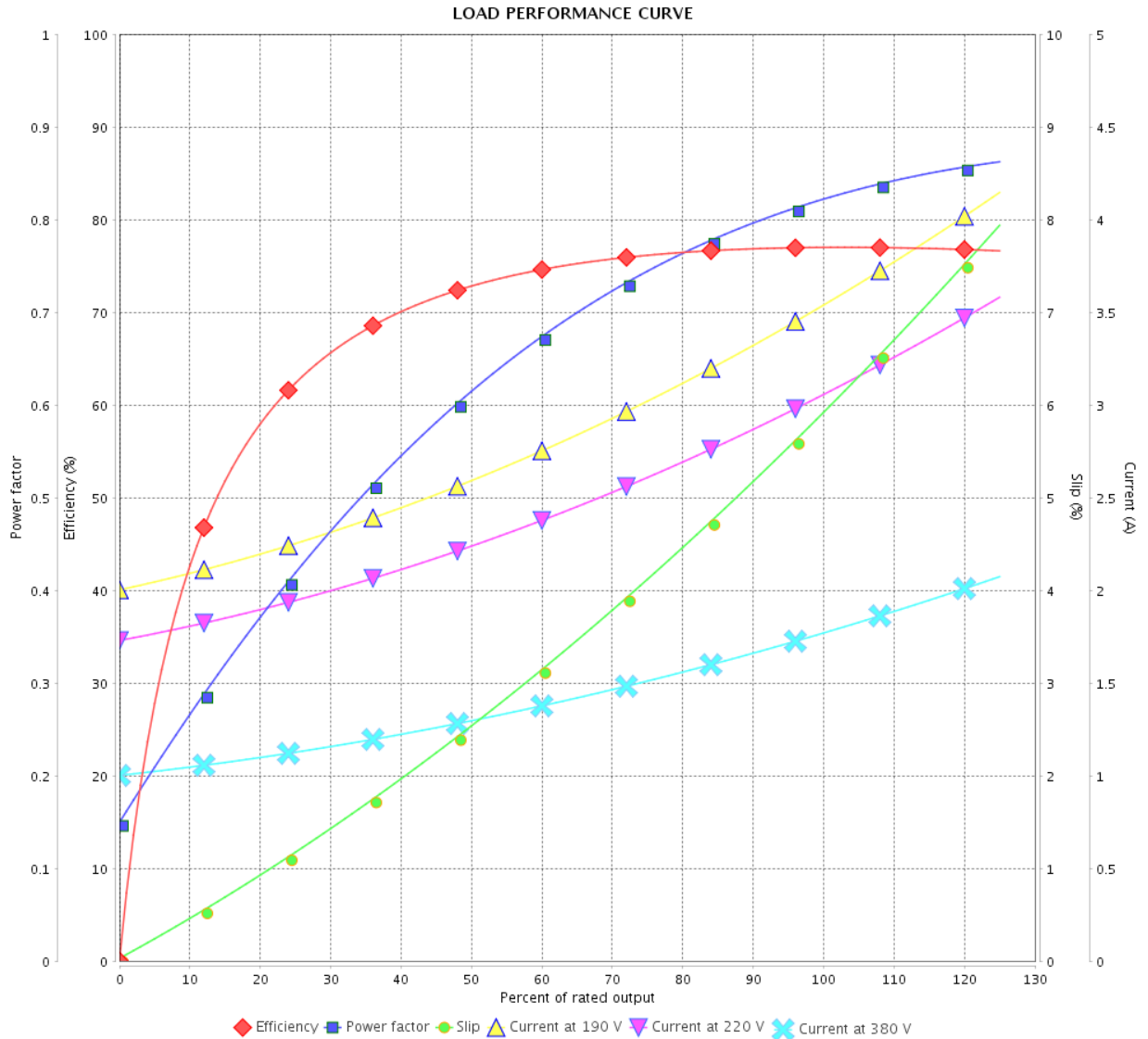
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Premium
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Performance : 190-220/380 V 50 Hz 2P

Rated current : 3.60-3.11/1.80 A
LRC : 7.0
Rated torque : 0.257 kgfm
Locked rotor torque : 340 %
Breakdown torque : 320 %
Rated speed : 2820 rpm

Moment of inertia (J) : 0.0010 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K

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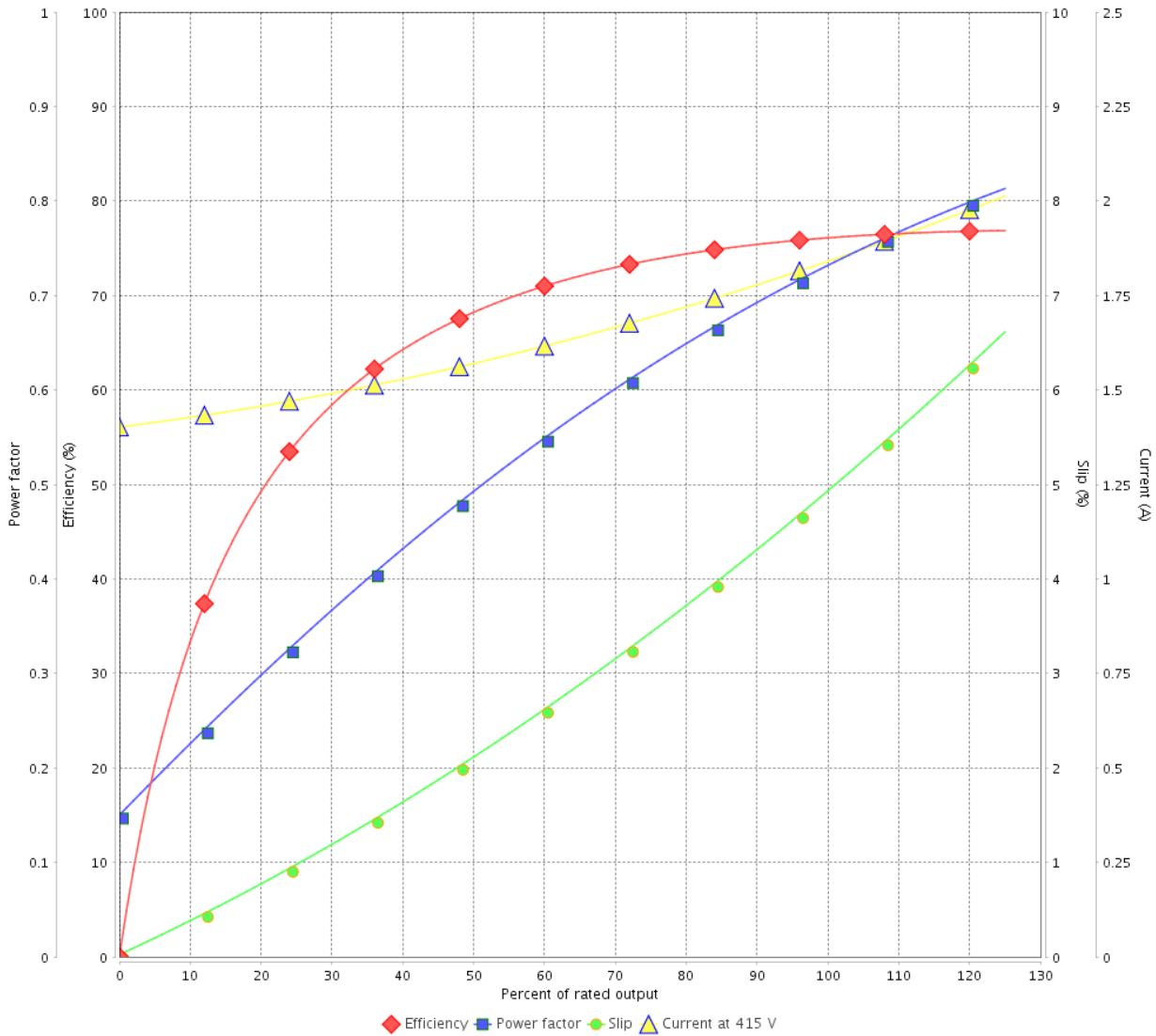


Customer :

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

Product code : 13997360

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Performance : 415 V 50 Hz 2P

Rated current : 1.88 A
LRC : 7.4
Rated torque : 0.255 kgfm
Locked rotor torque : 409 %
Breakdown torque : 390 %
Rated speed : 2850 rpm

Moment of inertia (J) : 0.0010 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K

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