

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Jet Pump - C type Premium Efficiency Three-Phase	Product code :	14156820	
Frame	: 56C	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 ³	: 16.6 kg		
Design	: A	Moment of inertia (J)	: 0.0049 kgm ²		
Output [HP]	2	2	2		
Poles	2	2	2		
Frequency [Hz]	60	50	50		
Rated voltage [V]	230/460	190/380	220/415		
Rated current [A]	4.84/2.42	5.88/2.94	5.26/2.79		
L. R. Amperes [A]	43.1/21.5	40.6/20.3	40.0/21.2		
LRC [A]	8.9x(Code K)	6.9x(Code H)	7.6x(Code J)		
No load current [A]	1.83/0.917	1.81/0.906	1.84/0.978		
Rated speed [RPM]	3510	2890	2900		
Slip [%]	2.50	3.67	3.33		
Rated torque [kgfm]	0.414	0.502	0.501		
Locked rotor torque [%]	220	180	200		
Breakdown torque [%]	330	250	280		
Service factor		1.15	1.15		
Temperature rise	80 K	80 K	80 K		
Locked rotor time	25s (cold) 14s (hot)	18s (cold) 10s (hot)	18s (cold) 10s (hot)		
Noise level ²	62.0 dB(A)	60.0 dB(A)	60.0 dB(A)		
Efficiency (%)	25%				
	50%	84.0	82.5	83.5	
	75%	85.5	83.0	84.0	
	100%	85.5	83.4	84.3	
Power Factor	25%				
	50%	0.77	0.83	0.80	
	75%	0.86	0.90	0.88	
	100%	0.91	0.93	0.92	
Bearing type	: Drive end 6203 2RS Non drive end 6202 2RS	Foundation loads			
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction	: 36 kgf		
		Max. compression	: 53 kgf		
Lubrication interval	: -				
Lubricant amount	: -				
Lubricant type	: Mobil Polyrex EM				
Notes USABLE @208V 5.35A SF 1.00 SFA 5.35A					
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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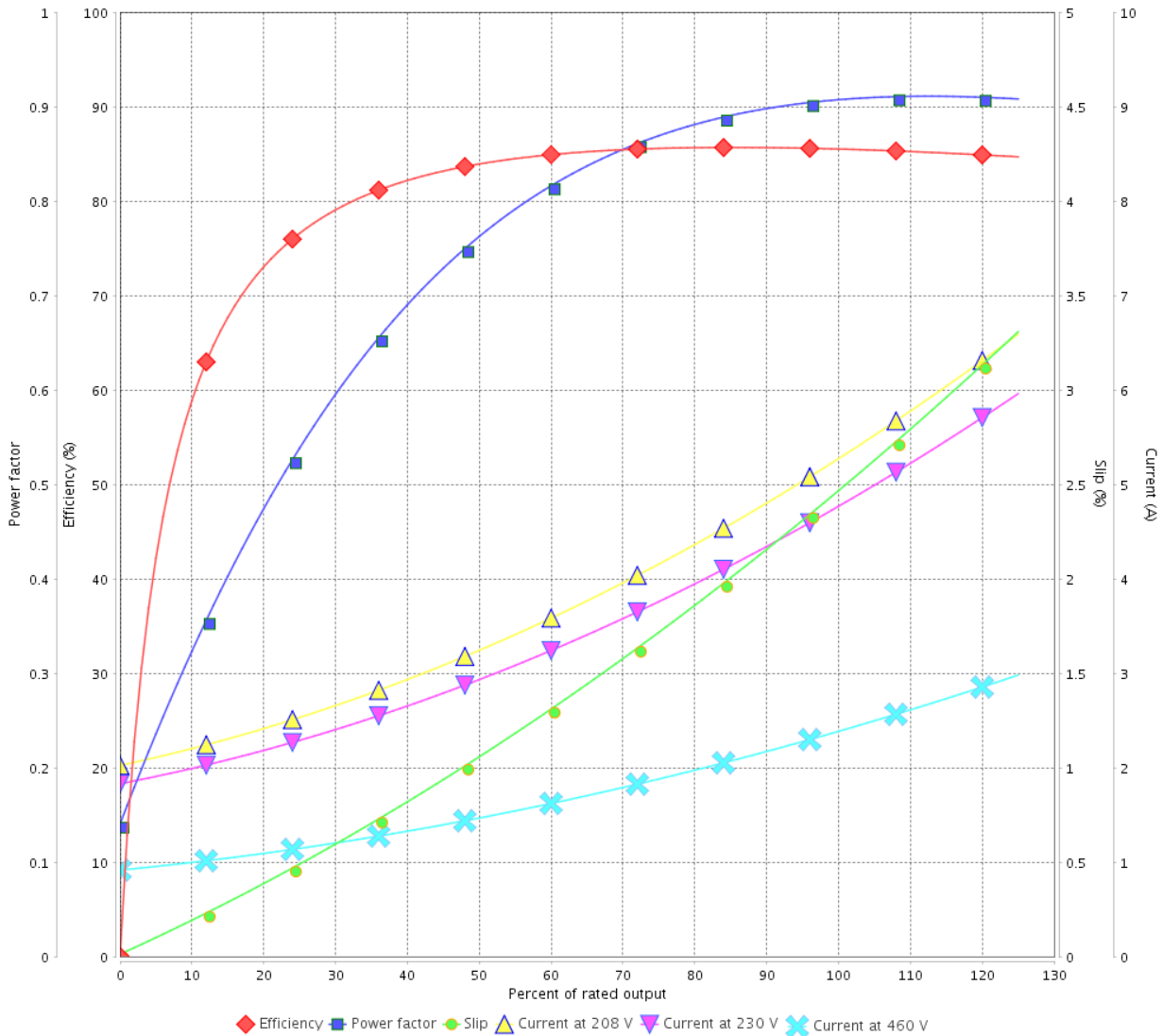


Customer :

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Efficiency Three-Phase

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Performance : 230/460 V 60 Hz 2P

Rated current : 4.84/2.42 A
 LRC : 8.9
 Rated torque : 0.414 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 330 %
 Rated speed : 3510 rpm

Moment of inertia (J) : 0.0049 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : A

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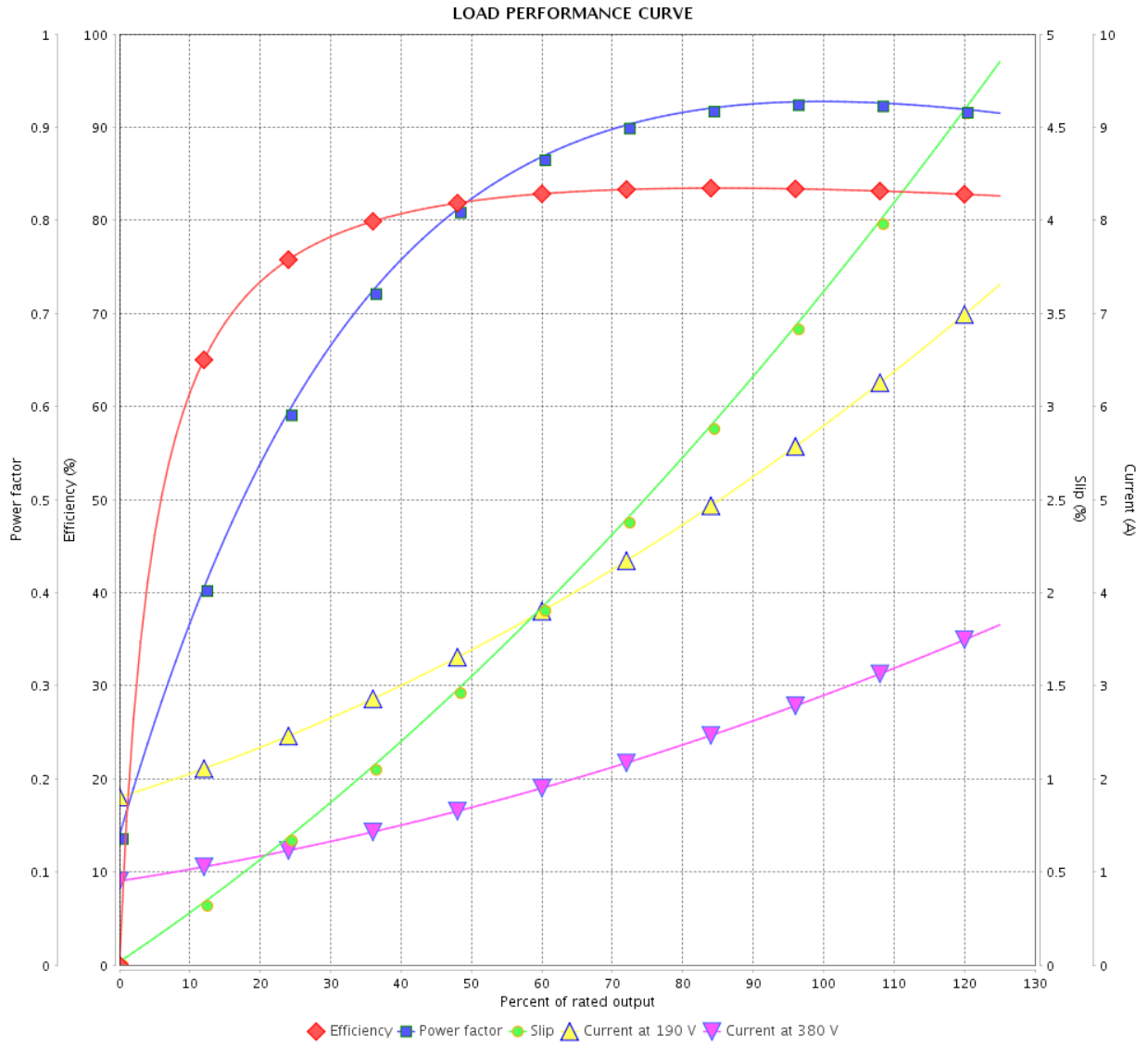
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Customer :

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Performance : 190/380 V 50 Hz 2P

Rated current : 5.88/2.94 A
 LRC : 6.9
 Rated torque : 0.502 kgfm
 Locked rotor torque : 180 %
 Breakdown torque : 250 %
 Rated speed : 2890 rpm

Moment of inertia (J) : 0.0049 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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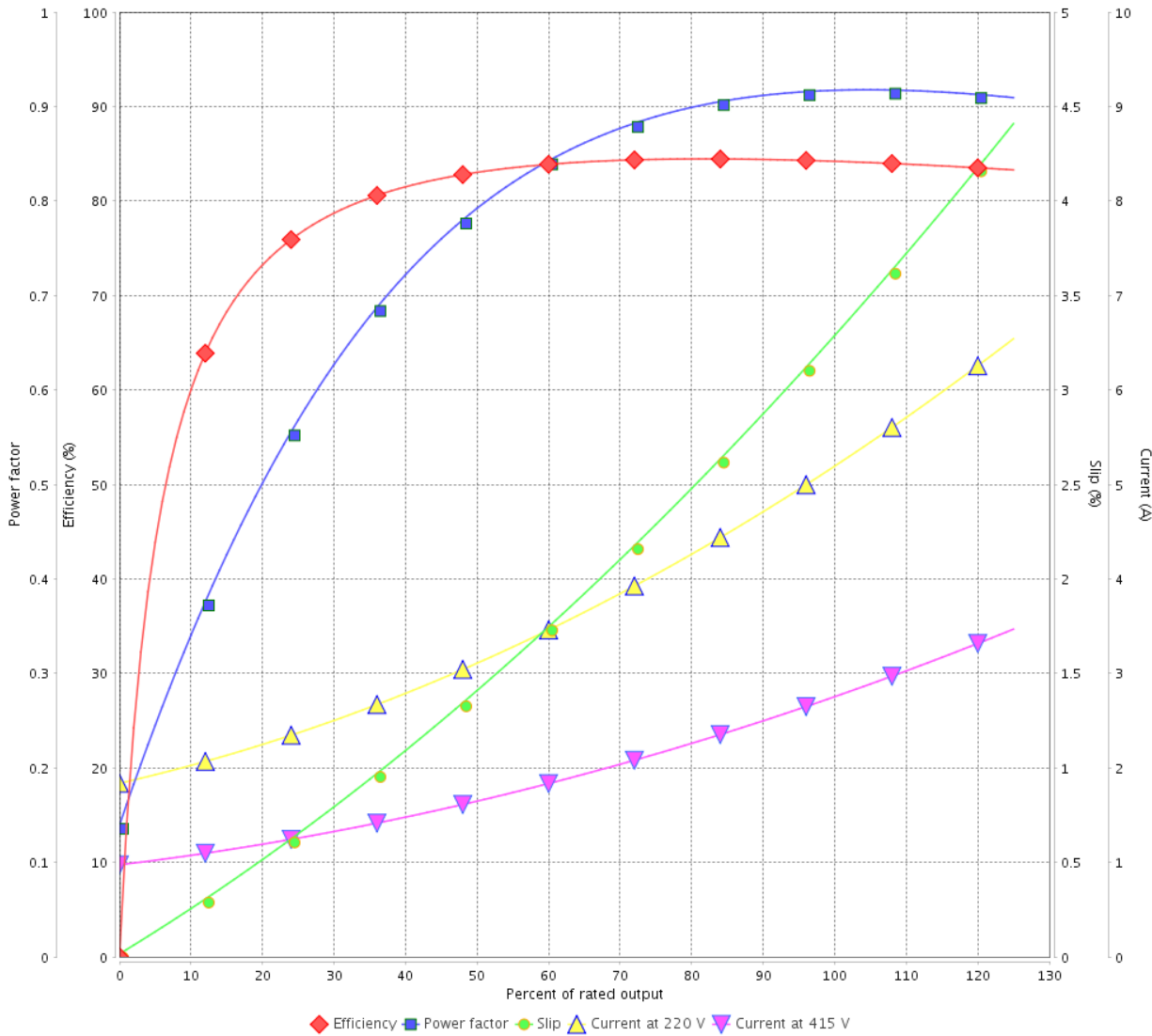


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Performance : 220/415 V 50 Hz 2P

Rated current : 5.26/2.79 A
 LRC : 7.6
 Rated torque : 0.501 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 280 %
 Rated speed : 2900 rpm

Moment of inertia (J) : 0.0049 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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