

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Three-Phase	Product code : 14398839			
Frame : W56 Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55	Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ² : 6.7 kg Moment of inertia (J) : 0.0012 kgm ²			
Output [HP]	0.25	0.25	0.25	
Poles	4	4	4	
Frequency [Hz]	60	50	50	
Rated voltage [V]	208-230/460	190/380	220/415	
Rated current [A]	1.06-0.936/0.468	1.04/0.522	0.973/0.516	
L. R. Amperes [A]	5.96-5.24/2.62	4.70/2.35	4.67/2.48	
LRC [A]	5.6x(Code K)	4.5x(Code G)	4.8x(Code H)	
No load current [A]	0.650-0.754/0.377	0.738/0.369	0.758/0.402	
Rated speed [RPM]	1740	1415	1420	
Slip [%]	3.33	5.67	5.33	
Rated torque [kgfm]	0.104	0.128	0.128	
Locked rotor torque [%]	240	180	200	
Breakdown torque [%]	320	220	250	
Service factor		1.15	1.15	
Temperature rise	80 K	80 K	80 K	
Locked rotor time	50s (cold) 28s (hot)	46s (cold) 26s (hot)	43s (cold) 24s (hot)	
Noise level ²	50.0 dB(A)	49.0 dB(A)	49.0 dB(A)	
Efficiency (%)	25%			
	50%	59.5	60.3	
	75%	66.0	65.9	
	100%	70.0	67.2	
Power Factor	25%			
	50%	0.48	0.56	
	75%	0.60	0.69	
	100%	0.69	0.78	
Bearing type	: Drive end 6203 ZZ Non drive end 6202 ZZ	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction	: 6 kgf	
Lubrication interval	: - -	Max. compression	: 13 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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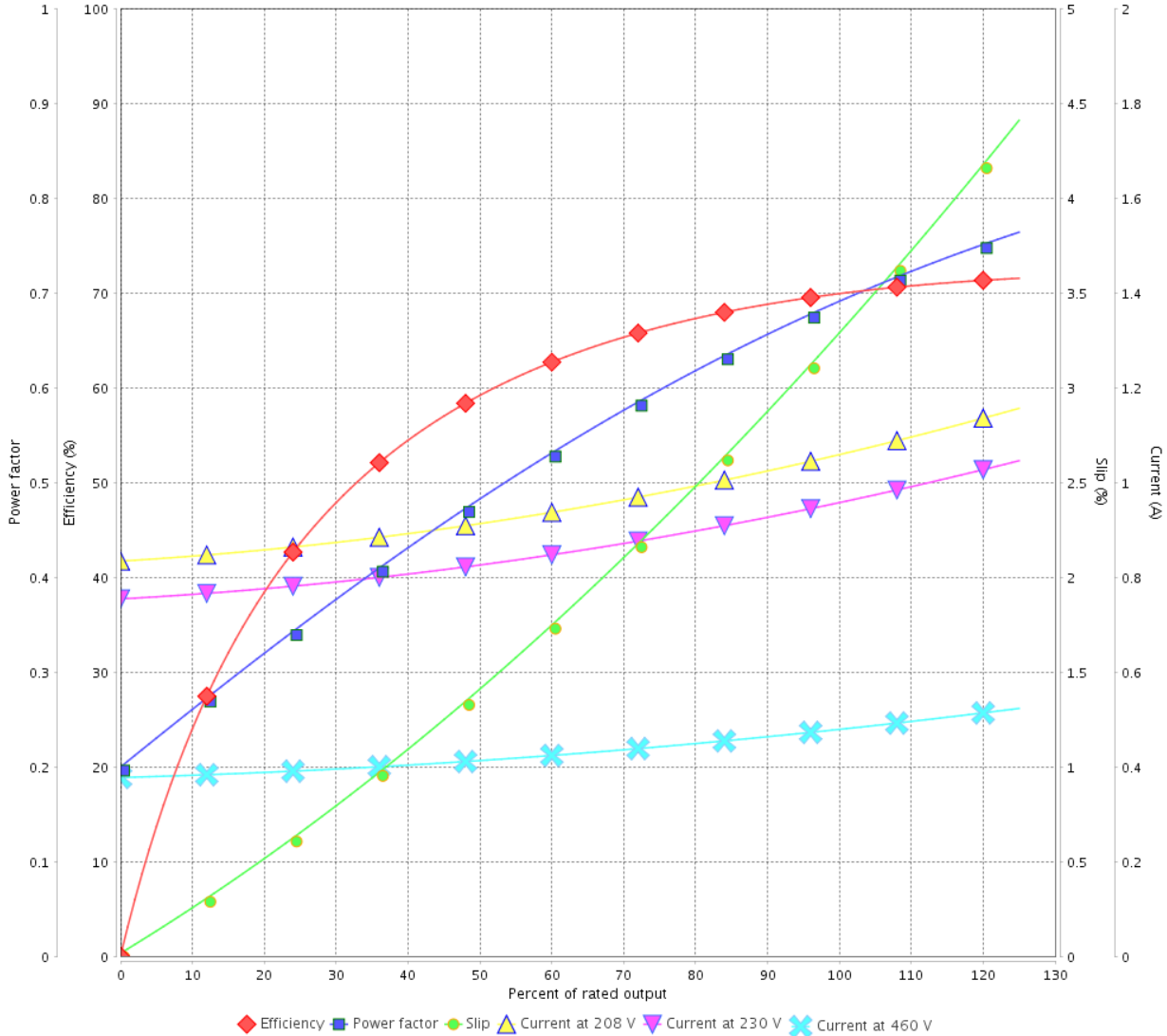


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Performance : 208-230/460 V 60 Hz 4P

Rated current : 1.06-0.936/0.468 A
 LRC : 5.6
 Rated torque : 0.104 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 320 %
 Rated speed : 1740 rpm

Moment of inertia (J) : 0.0012 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

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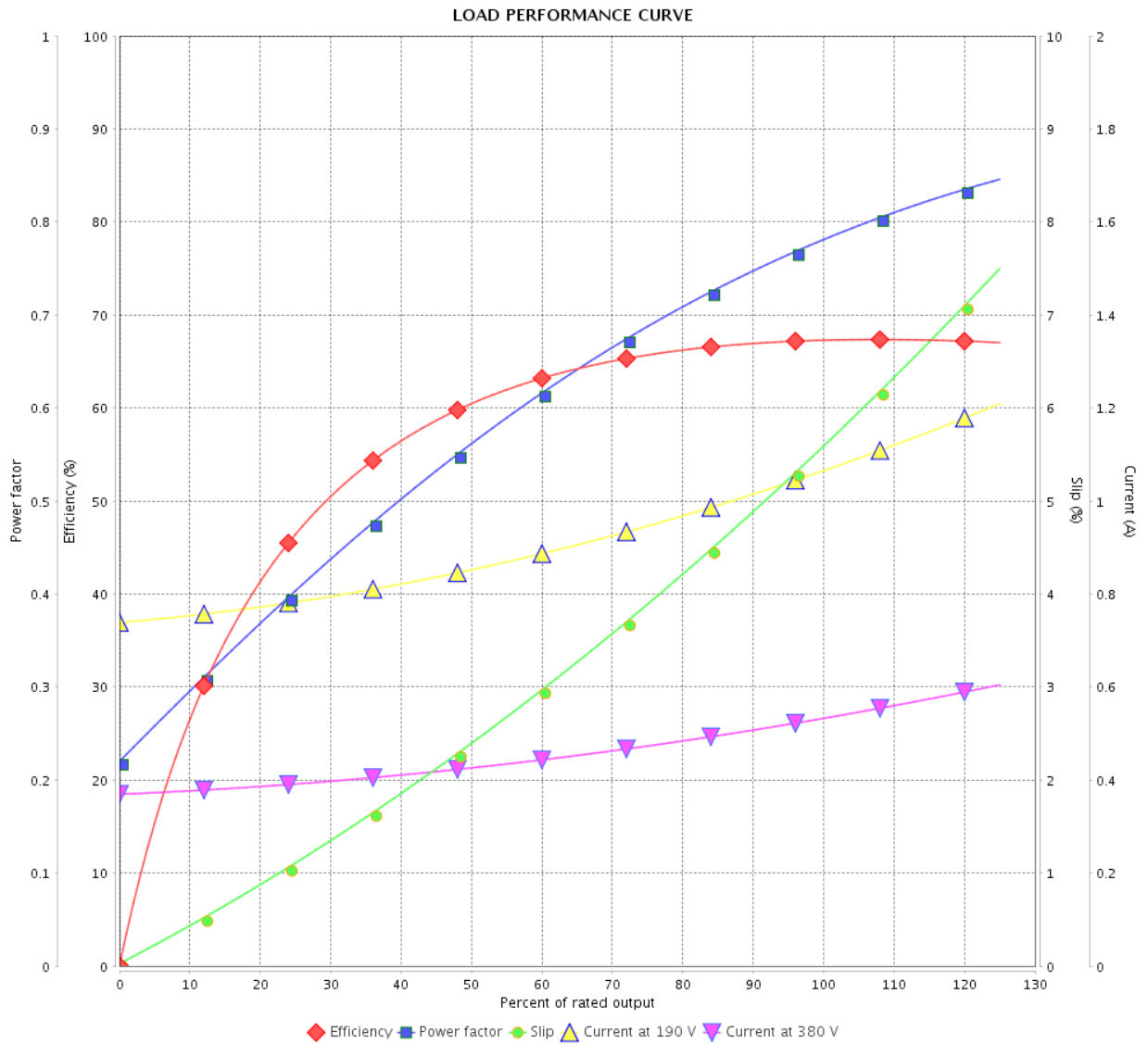
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Performance : 190/380 V 50 Hz 4P

Rated current : 1.04/0.522 A
 LRC : 4.5
 Rated torque : 0.128 kgfm
 Locked rotor torque : 180 %
 Breakdown torque : 220 %
 Rated speed : 1415 rpm

Moment of inertia (J) : 0.0012 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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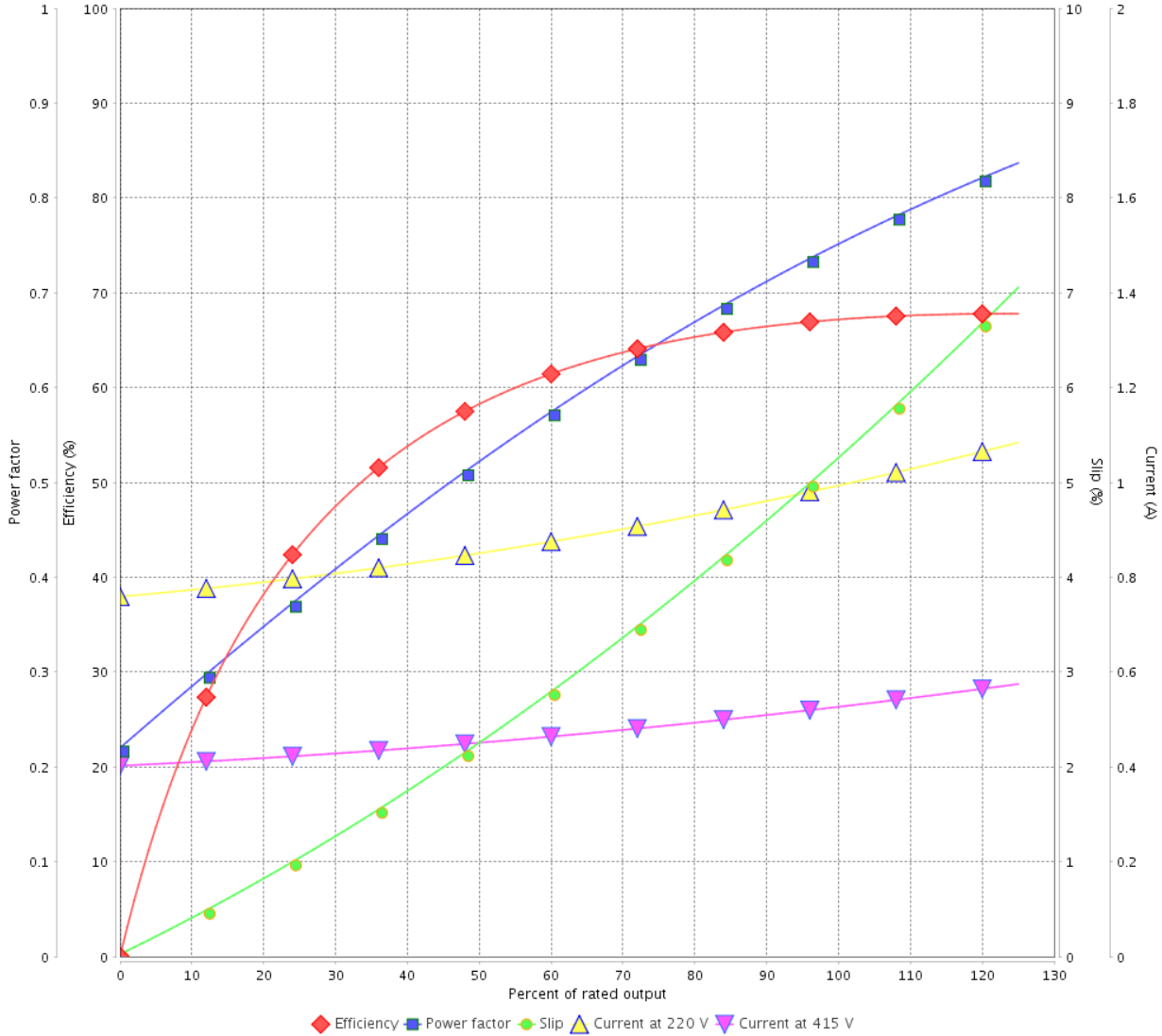


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Performance : 220/415 V 50 Hz 4P

Rated current : 0.973/0.516 A
 LRC : 4.8
 Rated torque : 0.128 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 250 %
 Rated speed : 1420 rpm

Moment of inertia (J) : 0.0012 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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