

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Three-Phase	Product code :	13728660	
Frame	: W56	Cooling method	: IC411 - TEFC	
Insulation class	: F	Mounting	: F-1	
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)	
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line	
Altitude	: 1000 m.a.s.l.	Approx. weight ²	: 9.9 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0011 kgm ²	
Output [HP]	1	1	1	
Poles	2	2	2	
Frequency [Hz]	60	50	50	
Rated voltage [V]	230/460	190/380	220/415	
Rated current [A]	3.00/1.50	3.40/1.70	3.11/1.65	
L. R. Amperes [A]	26.4/13.2	22.1/11.0	23.3/12.4	
LRC [A]	8.8x(Code M)	6.5x(Code J)	7.5x(Code K)	
No load current [A]	1.60/0.798	1.56/0.781	1.79/0.949	
Rated speed [RPM]	3435	2770	2815	
Slip [%]	4.58	7.67	6.17	
Rated torque [kgfm]	0.211	0.262	0.258	
Locked rotor torque [%]	360	280	330	
Breakdown torque [%]	380	250	310	
Service factor		1.15	1.15	
Temperature rise	80 K	80 K	80 K	
Locked rotor time	18s (cold) 10s (hot)	16s (cold) 9s (hot)	14s (cold) 8s (hot)	
Noise level ²	65.0 dB(A)	64.0 dB(A)	64.0 dB(A)	
Efficiency (%)	25%			
	50%	74.0	75.9	
	75%	77.0	78.9	
	100%	78.5	79.0	
Power Factor	25%			
	50%	0.63	0.61	
	75%	0.75	0.74	
	100%	0.80	0.80	
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction	: 20 kgf	
Lubrication interval	: - -	Max. compression	: 30 kgf	
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes				
USABLE @208V 3.32A SF 1.00 SFA 3.32A				
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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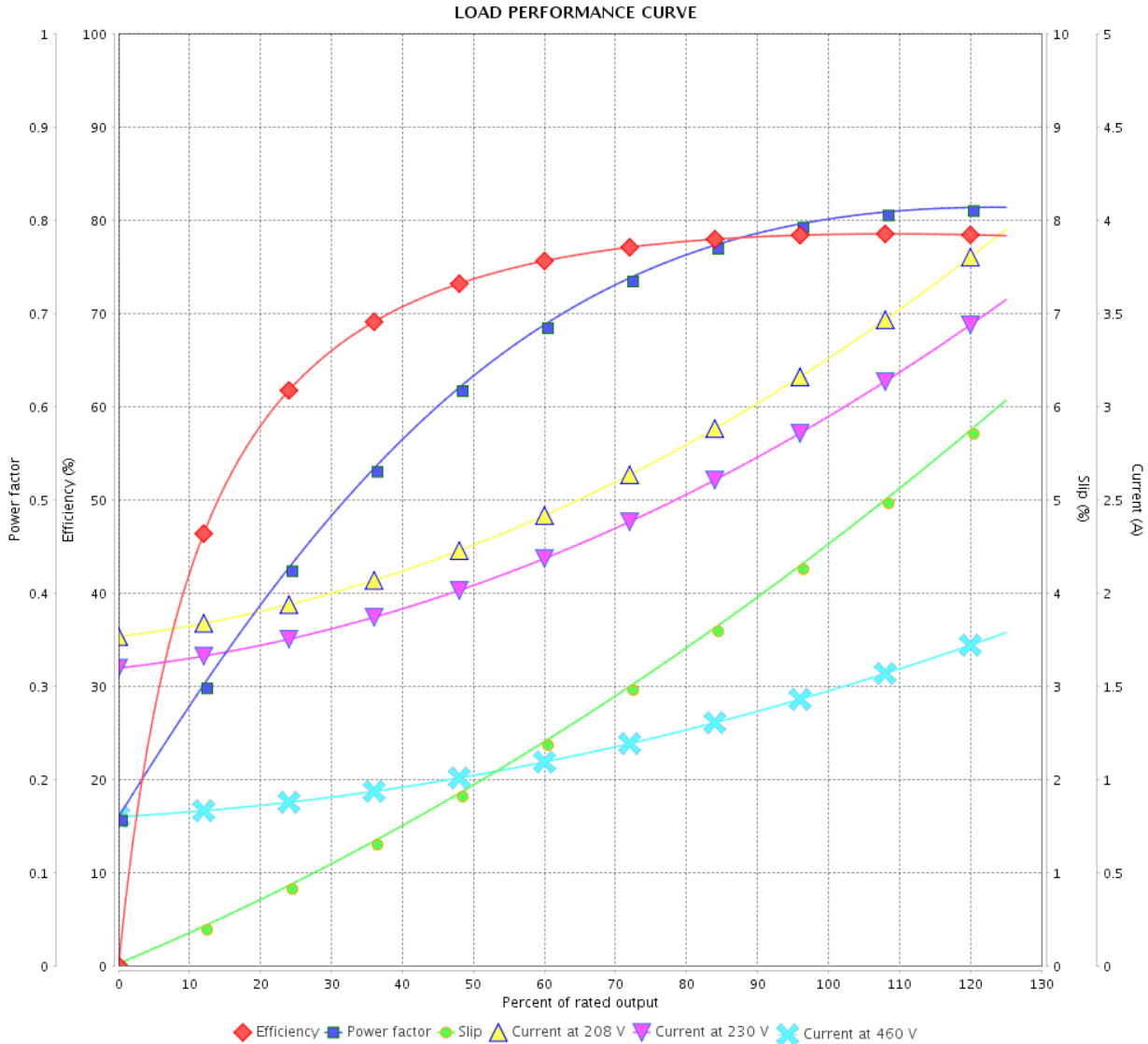
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 13728660



Performance : 230/460 V 60 Hz 2P

Rated current : 3.00/1.50 A
 LRC : 8.8
 Rated torque : 0.211 kgfm
 Locked rotor torque : 360 %
 Breakdown torque : 380 %
 Rated speed : 3435 rpm

Moment of inertia (J) : 0.0011 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

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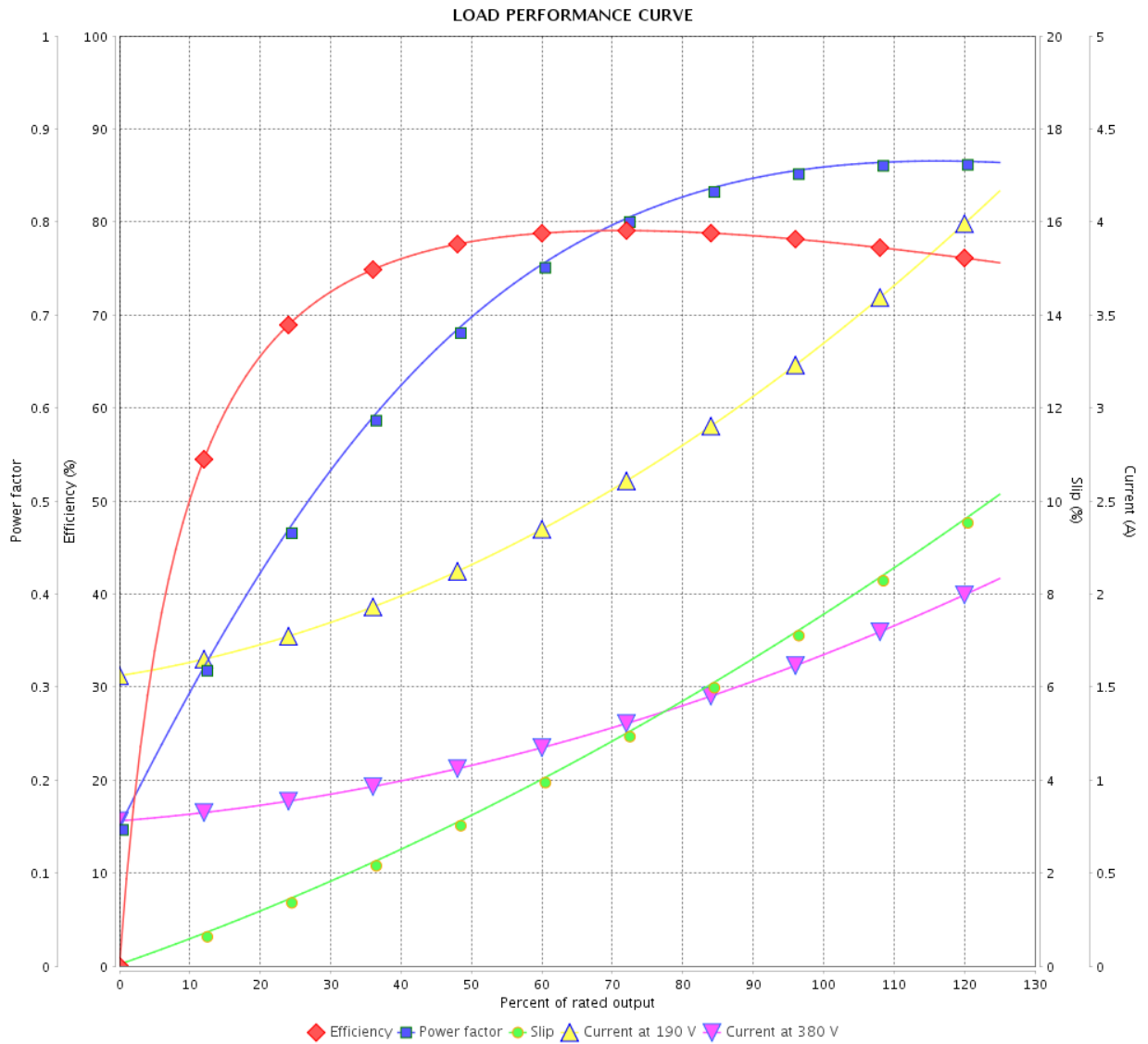
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Three-Phase

Product code : 13728660



Performance : 190/380 V 50 Hz 2P

Rated current : 3.40/1.70 A
 LRC : 6.5
 Rated torque : 0.262 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 250 %
 Rated speed : 2770 rpm

Moment of inertia (J) : 0.0011 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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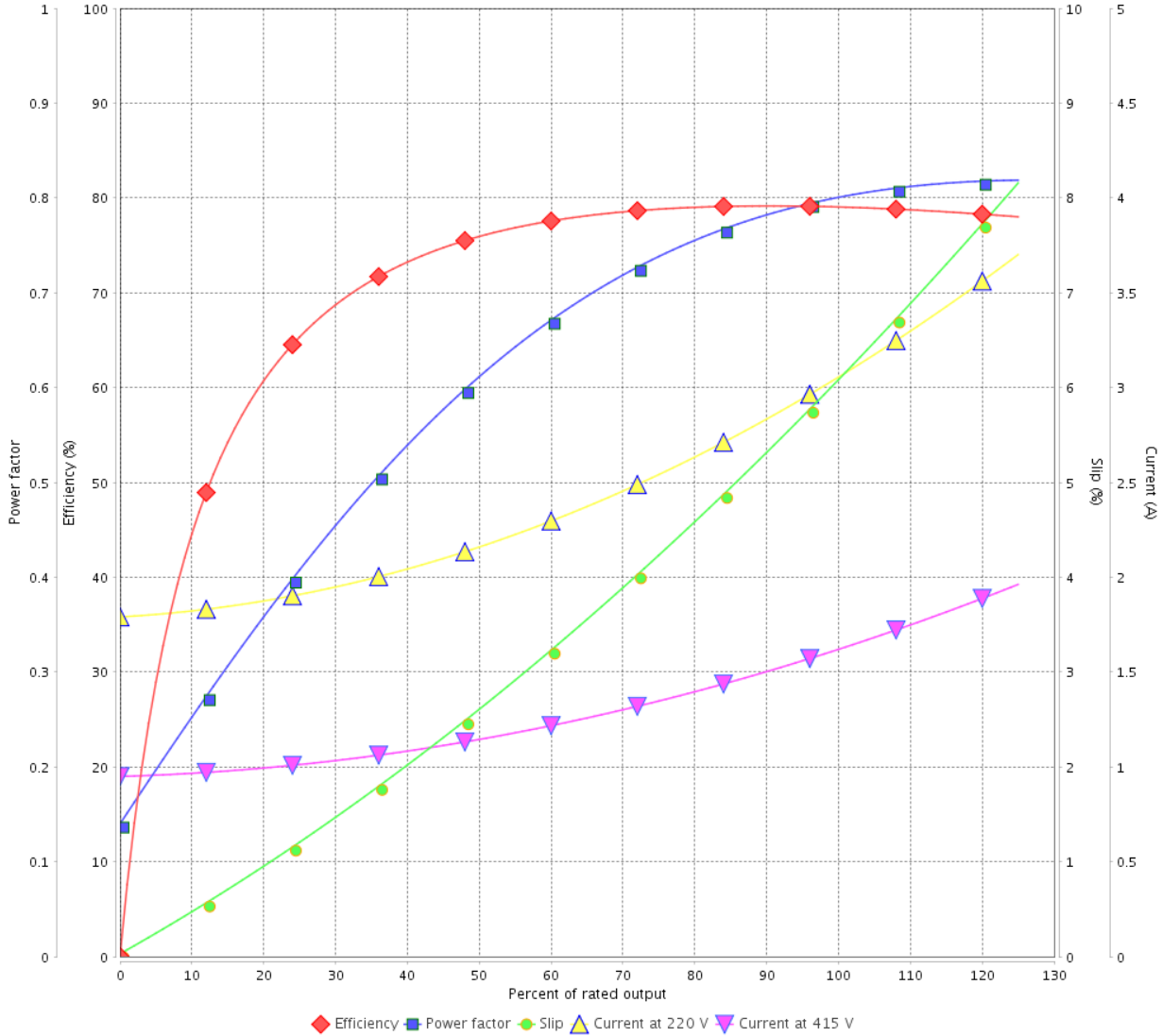


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Product line : Three-Phase

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Performance : 220/415 V 50 Hz 2P

Rated current : 3.11/1.65 A
 LRC : 7.5
 Rated torque : 0.258 kgfm
 Locked rotor torque : 330 %
 Breakdown torque : 310 %
 Rated speed : 2815 rpm

Moment of inertia (J) : 0.0011 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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