

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 14733008

Frame	: W56	Cooling method	: IC01 - ODP
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 ³	: 6.1 kg
		Moment of inertia (J)	: 0.0005 kgm ²

Output [HP]	0.33	0.33	0.33
Poles	2	2	2
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	1.32-1.20/0.598	1.35/0.675	1.25/0.665
L. R. Amperes [A]	7.79-7.06/3.53	6.08/3.04	6.02/3.19
LRC [A]	5.9x(Code K)	4.5x(Code G)	4.8x(Code H)
No load current [A]	0.754-0.874/0.437	0.832/0.416	0.875/0.464
Rated speed [RPM]	3450	2785	2810
Slip [%]	4.17	7.17	6.33
Rated torque [kgfm]	0.069	0.086	0.085
Locked rotor torque [%]	270	190	210
Breakdown torque [%]	300	210	240
Service factor		1.35	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	45s (cold) 25s (hot)	54s (cold) 30s (hot)	50s (cold) 28s (hot)
Noise level ²	62.0 dB(A)	60.0 dB(A)	60.0 dB(A)
Efficiency (%)	25%		
	50%	59.5	61.0
	75%	68.0	66.0
	100%	70.0	67.0
Power Factor	25%		
	50%	0.53	0.63
	75%	0.66	0.76
	100%	0.75	0.84

Bearing type	: Drive end	Non drive end	Foundation loads
	: 6203 ZZ	6202 ZZ	
Sealing	: Without	Without	Max. traction : 3 kgf
	: Bearing Seal	Bearing Seal	
Lubrication interval	: -	-	Max. compression : 9 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.

Rev.	Changes Summary	Performed	Checked	Date
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Date	17/05/2022			

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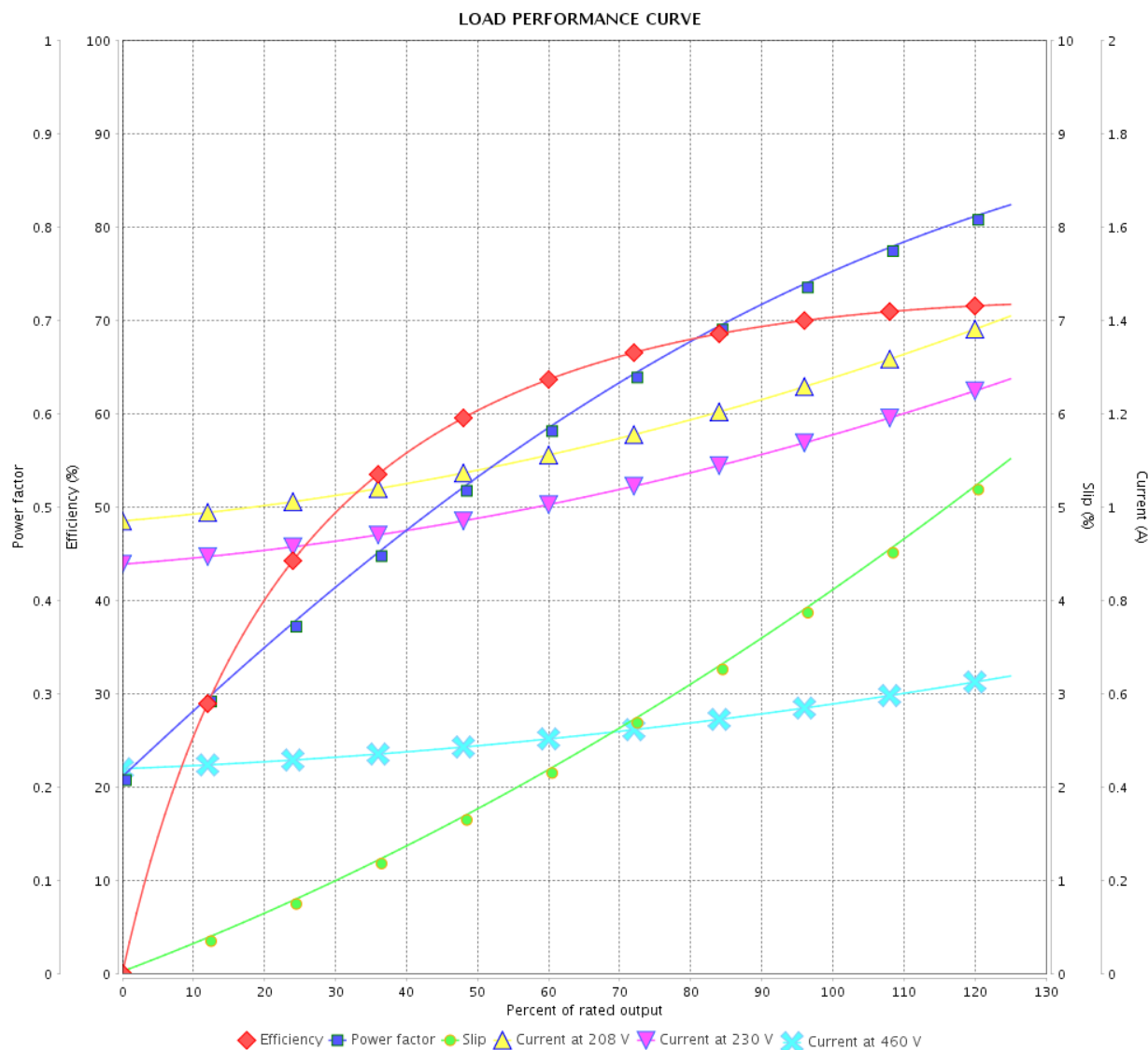
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 14733008



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

Rated current : 1.32-1.20/0.598 A
 LRC : 5.9
 Rated torque : 0.069 kgfm
 Locked rotor torque : 270 %
 Breakdown torque : 300 %
 Rated speed : 3450 rpm

Moment of inertia (J) : 0.0005 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

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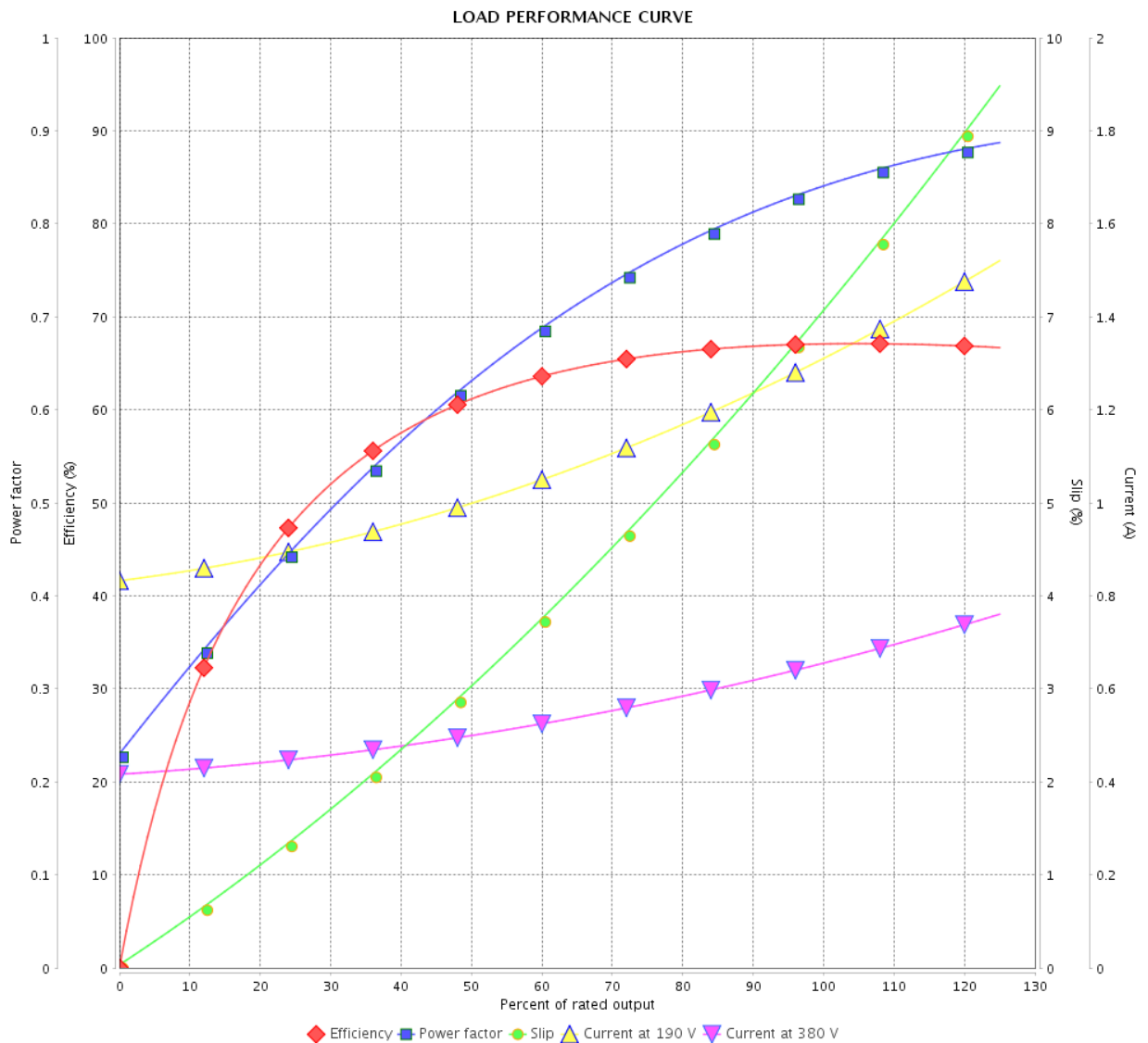
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Three-Phase

Product code : 14733008



Performance : 190/380 V 50 Hz 2P

Rated current : 1.35/0.675 A
 LRC : 4.5
 Rated torque : 0.086 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 210 %
 Rated speed : 2785 rpm

Moment of inertia (J) : 0.0005 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.35
 Temperature rise : 80 K

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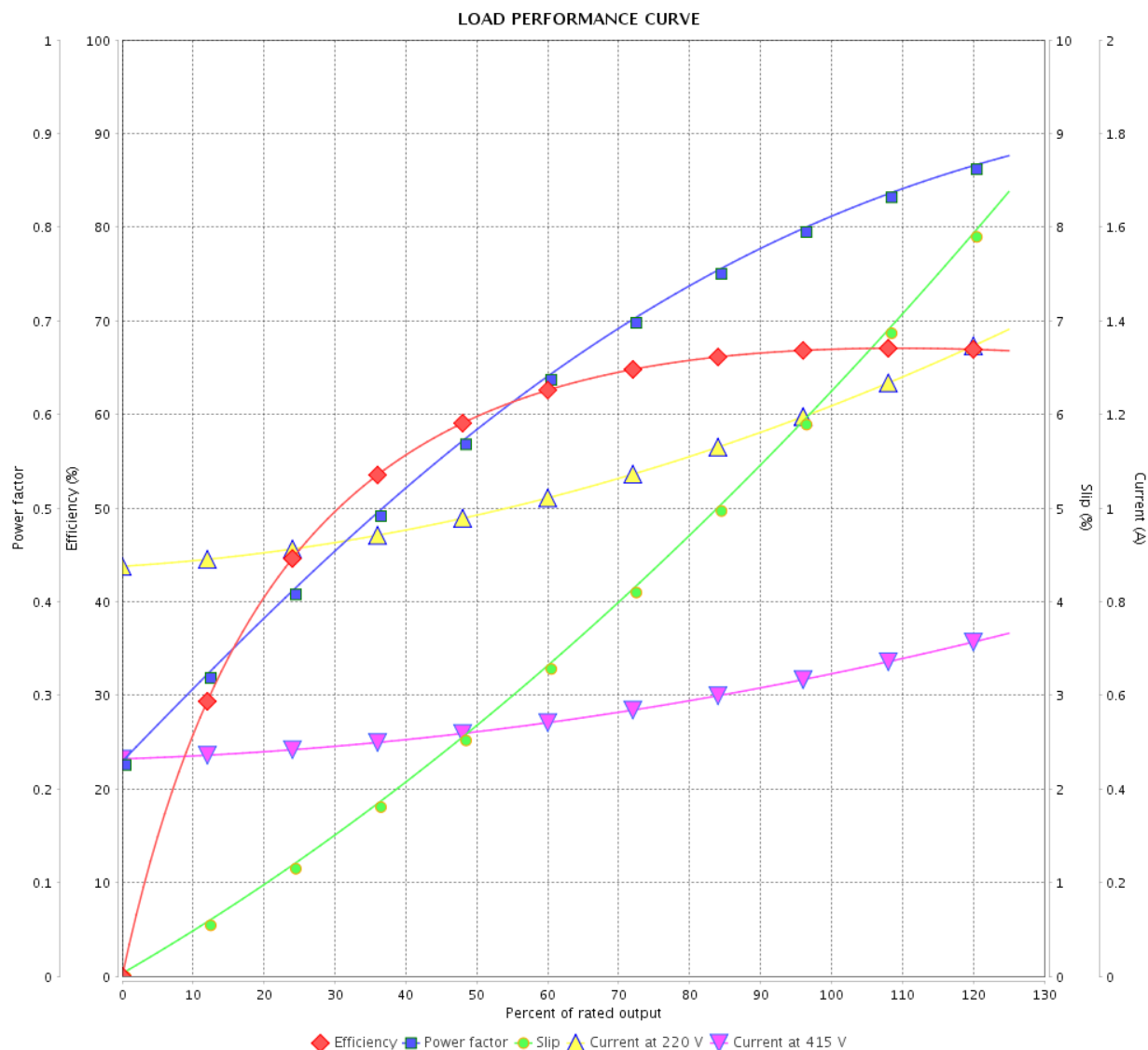
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

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Performance : 220/415 V 50 Hz 2P

Rated current : 1.25/0.665 A
 LRC : 4.8
 Rated torque : 0.085 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 240 %
 Rated speed : 2810 rpm

Moment of inertia (J) : 0.0005 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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