

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13286641

Frame	: 56	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	: 9.4 kg
		Moment of inertia (J)	: 0.0025 kgm ²

Output [HP]	0.75	0.75	0.75
Poles	4	4	4
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	2.96-2.68/1.34	2.84/1.42	2.85/1.51
L. R. Amperes [A]	18.7-16.9/8.44	14.8/7.38	15.4/8.15
LRC [A]	6.3x(Code K)	5.2x(Code H)	5.4x(Code J)
No load current [A]	1.90-2.20/1.10	2.00/1.00	2.63/1.40
Rated speed [RPM]	1755	1435	1450
Slip [%]	2.50	4.33	3.33
Rated torque [kgfm]	0.310	0.379	0.375
Locked rotor torque [%]	229	160	200
Breakdown torque [%]	300	220	270
Service factor		1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	23s (cold) 13s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²	52.0 dB(A)	49.0 dB(A)	49.0 dB(A)
Efficiency (%)	25%		
	50%	66.0	61.9
	75%	72.0	69.5
	100%	75.5	72.5
Power Factor	25%		
	50%	0.45	0.45
	75%	0.58	0.59
	100%	0.68	0.70

Bearing type	: Drive end	Non drive end	Foundation loads
	: 6203 ZZ	6202 ZZ	
Sealing	: Without	Without	Max. traction : 28 kgf
	: Bearing Seal	Bearing Seal	
Lubrication interval	: -	-	Max. compression : 37 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
Performed by				
Checked by				
Date	17/05/2022			
		Page 1 / 4		Revision

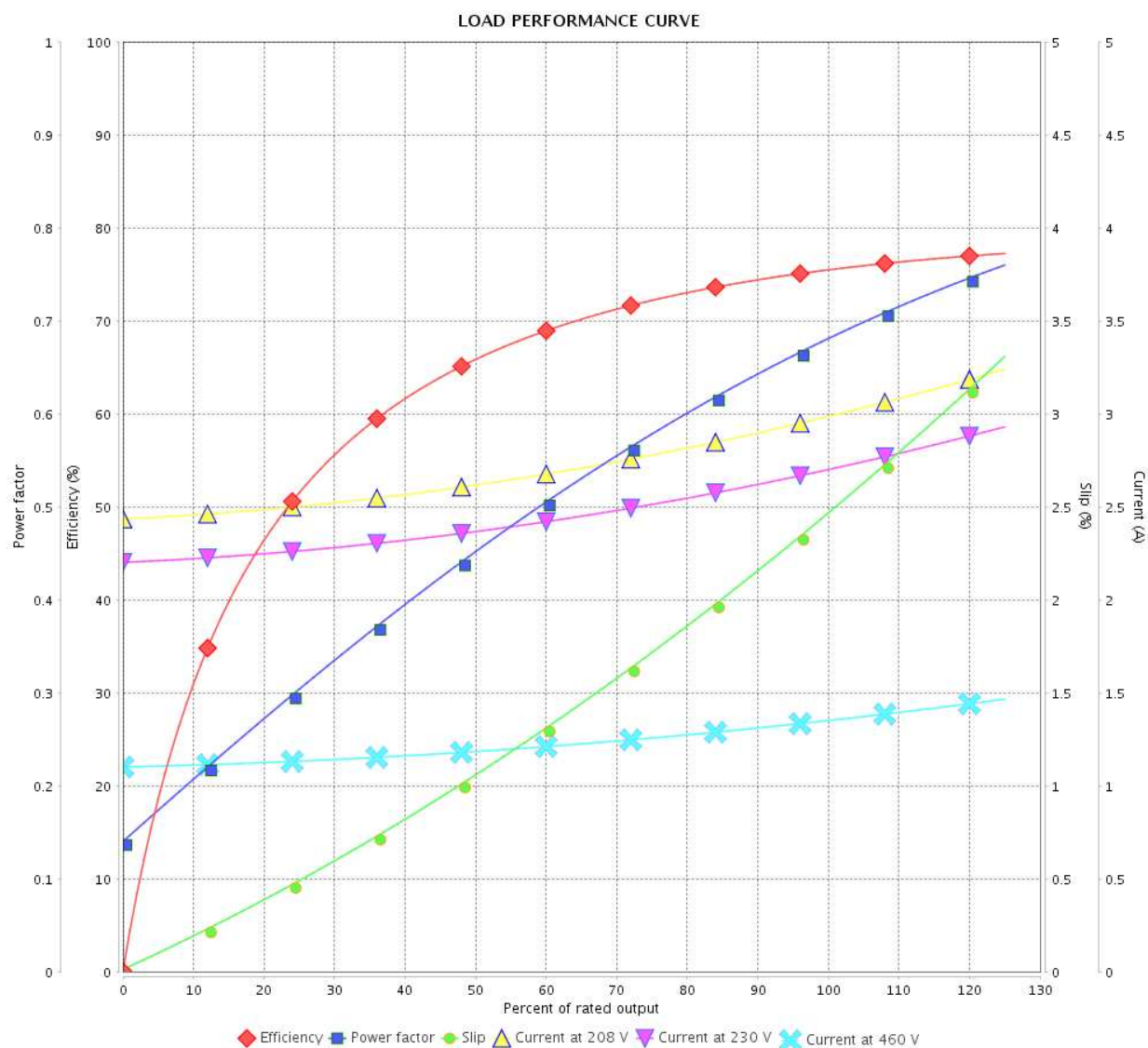
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13286641



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

Rated current : 2.96-2.68/1.34 A
 LRC : 6.3
 Rated torque : 0.310 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 300 %
 Rated speed : 1755 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by			2 / 4	
Date				

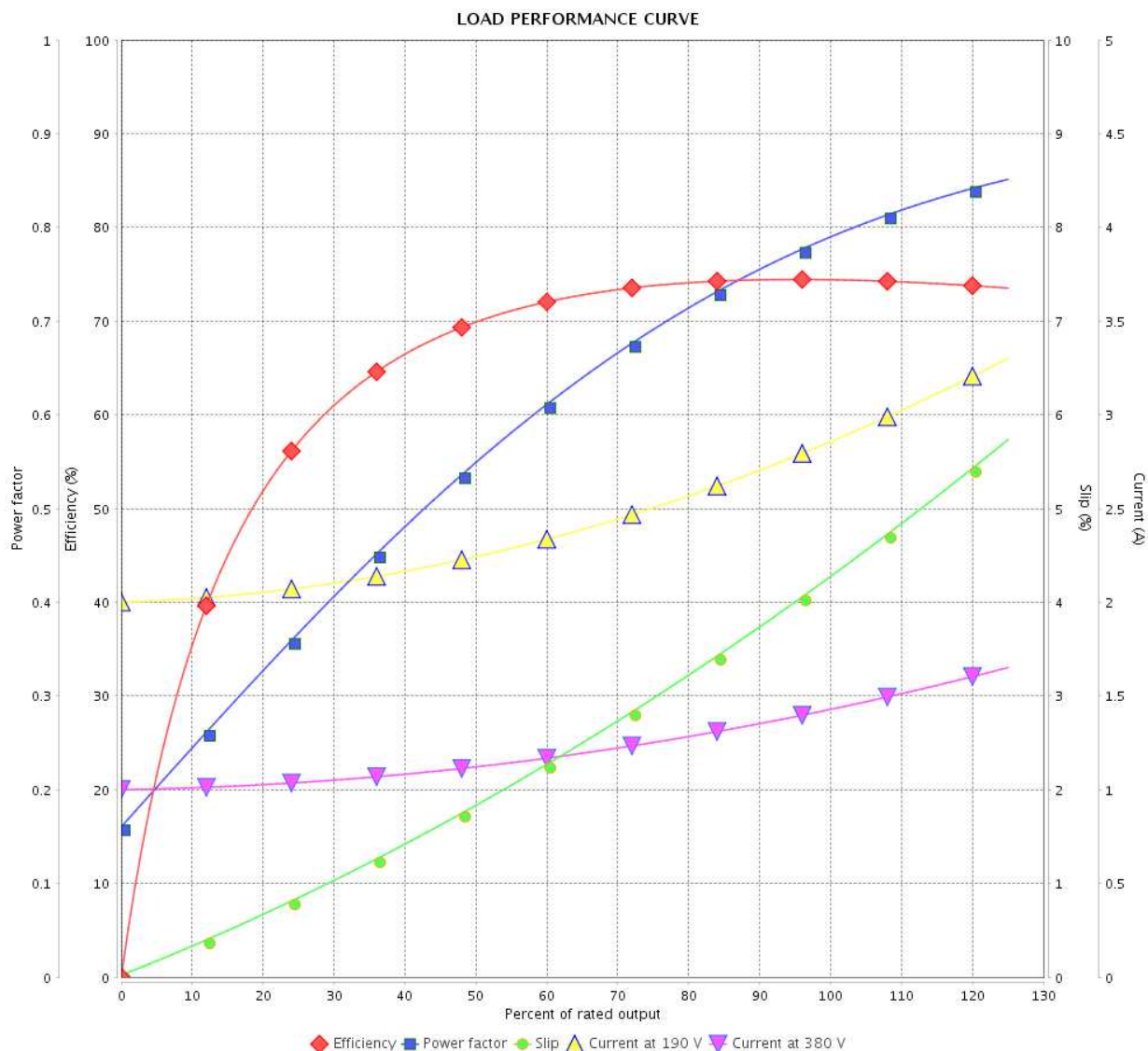
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Standard Efficiency Three-Phase Product code : 13286641



Performance : 190/380 V 50 Hz 4P

Rated current : 2.84/1.42 A
 LRC : 5.2
 Rated torque : 0.379 kgfm
 Locked rotor torque : 160 %
 Breakdown torque : 220 %
 Rated speed : 1435 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 3 / 4		
Checked by				
Date	17/05/2022			
		Revision		

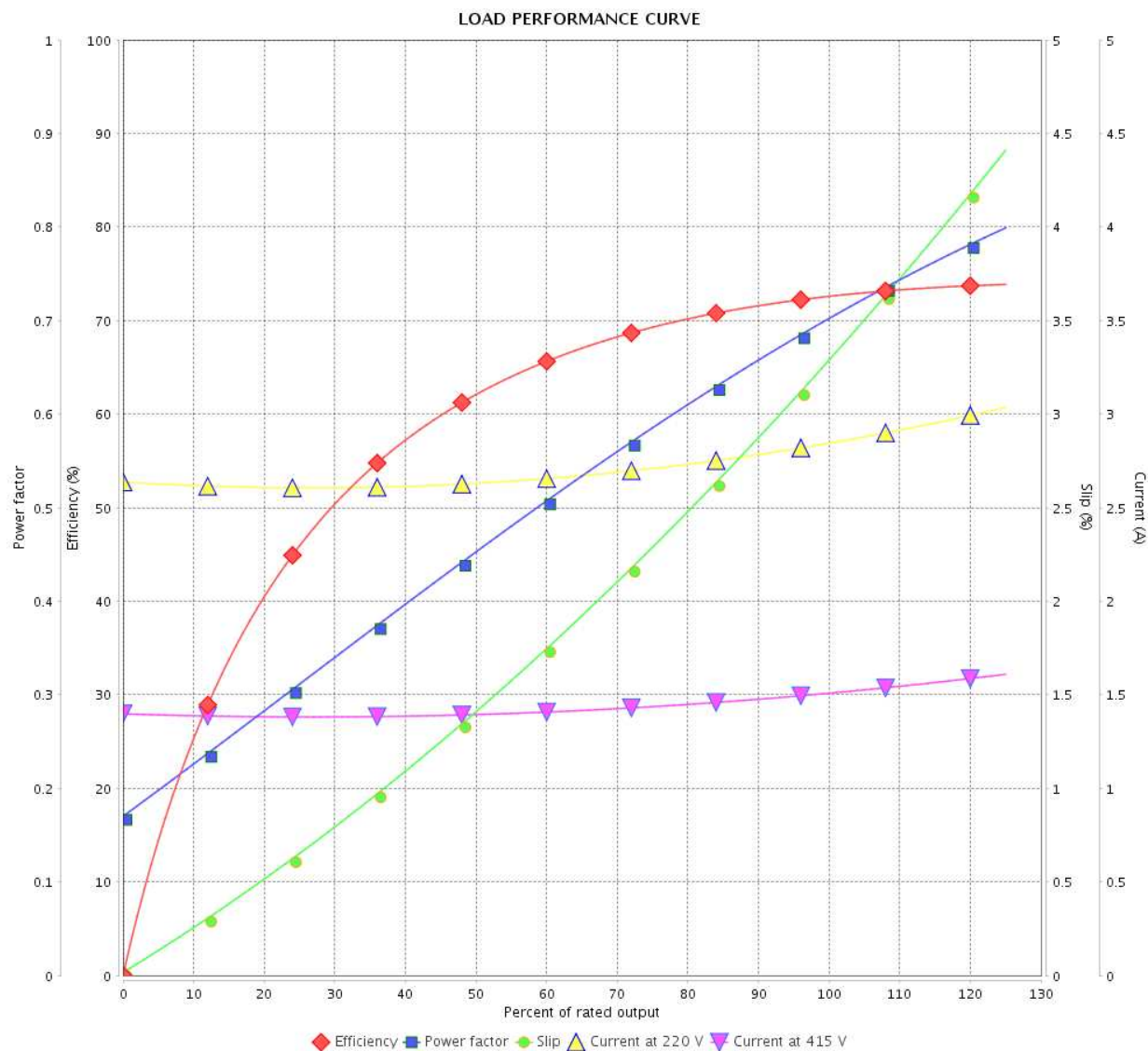
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13286641



Performance : 220/415 V 50 Hz 4P

Rated current : 2.85/1.51 A
 LRC : 5.4
 Rated torque : 0.375 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 270 %
 Rated speed : 1450 rpm

Moment of inertia (J) : 0.0025 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				4 / 4	
Date					

