

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 13737451

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	: 10.7 kg
		Moment of inertia (J)	: 0.0030 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]	2.54-2.30/1.15	2.62/1.31	2.43/1.29
L. R. Amperes [A]	18.5-16.8/8.40	14.9/7.47	15.6/8.26
LRC [A]	7.3x(Code K)	5.7x(Code H)	6.4x(Code J)
No load current [A]	1.38-1.60/0.800	1.53/0.763	1.73/0.917
Rated speed [RPM]	1760	1445	1455
Slip [%]	2.22	3.67	3.00
Rated torque [kgfm]	0.309	0.377	0.374
Locked rotor torque [%]	250	170	210
Breakdown torque [%]	300	240	290
Service factor		1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	37s (cold) 21s (hot)	43s (cold) 24s (hot)	36s (cold) 20s (hot)
Noise level ²	52.0 dB(A)	49.0 dB(A)	49.0 dB(A)
Efficiency (%)	25%		
	50%	74.0	73.6
	75%	78.5	77.8
	100%	81.1	78.9
Power Factor	25%		
	50%	0.52	0.52
	75%	0.65	0.65
	100%	0.74	0.75

Bearing type	: 6203 ZZ	6202 ZZ	Foundation loads
	: Without	Without	
Sealing	: Bearing Seal	Bearing Seal	Max. traction : 29 kgf
			Max. compression : 40 kgf
Lubrication interval	: -	-	
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

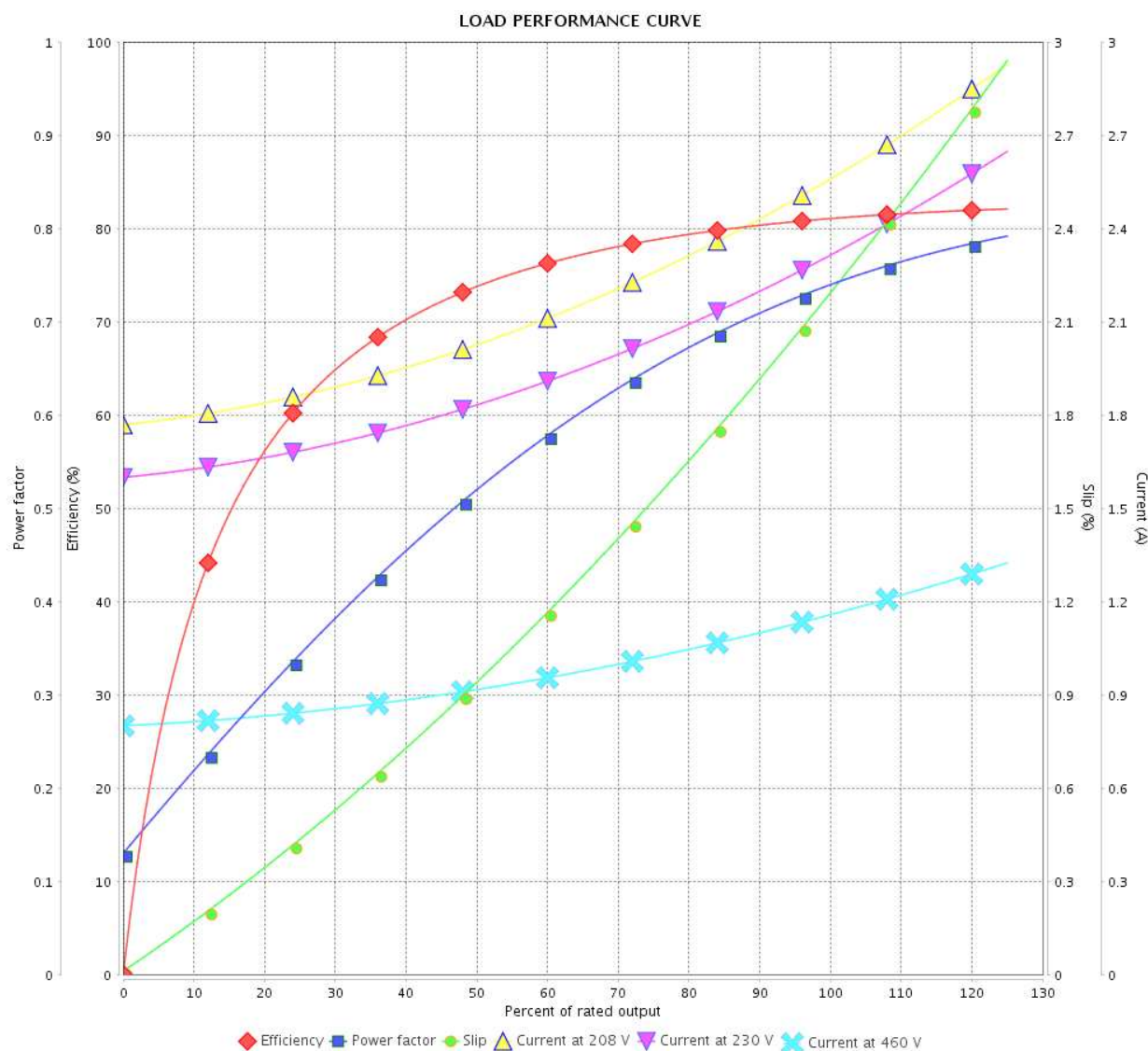
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 13737451



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

Rated current : 2.54-2.30/1.15 A
 LRC : 7.3
 Rated torque : 0.309 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 300 %
 Rated speed : 1760 rpm

Moment of inertia (J) : 0.0030 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

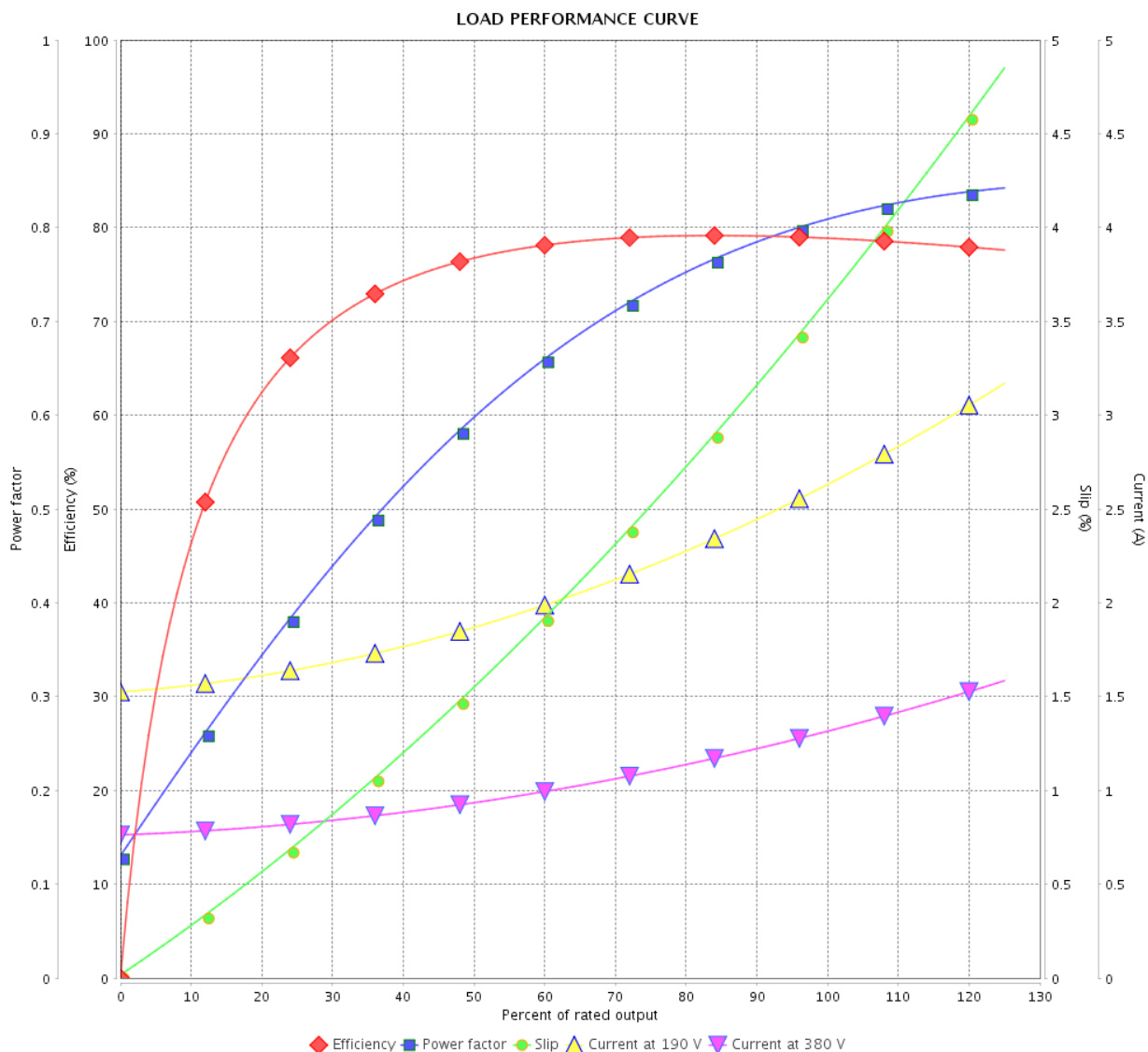
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 13737451



Performance : 190/380 V 50 Hz 4P

Rated current : 2.62/1.31 A
 LRC : 5.7
 Rated torque : 0.377 kgfm
 Locked rotor torque : 170 %
 Breakdown torque : 240 %
 Rated speed : 1445 rpm

Moment of inertia (J) : 0.0030 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 / 4Revision		
Checked by				
Date	17/05/2022			

LOAD PERFORMANCE CURVE

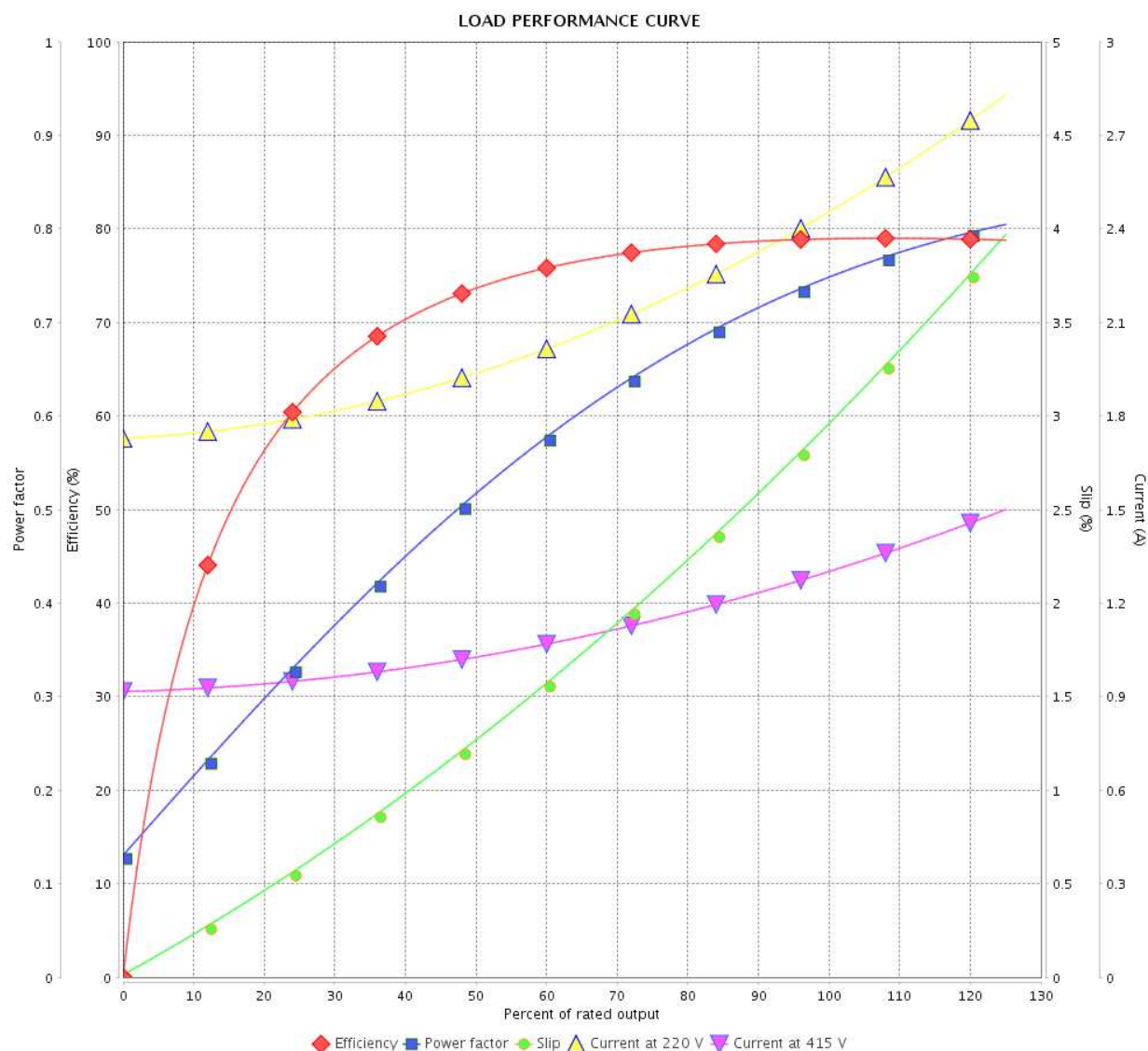
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 13737451

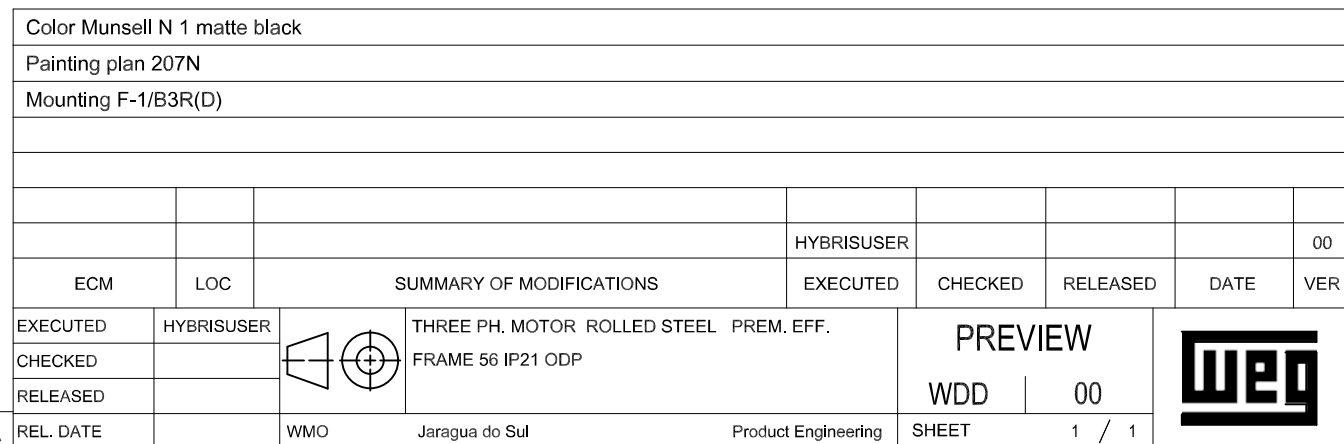
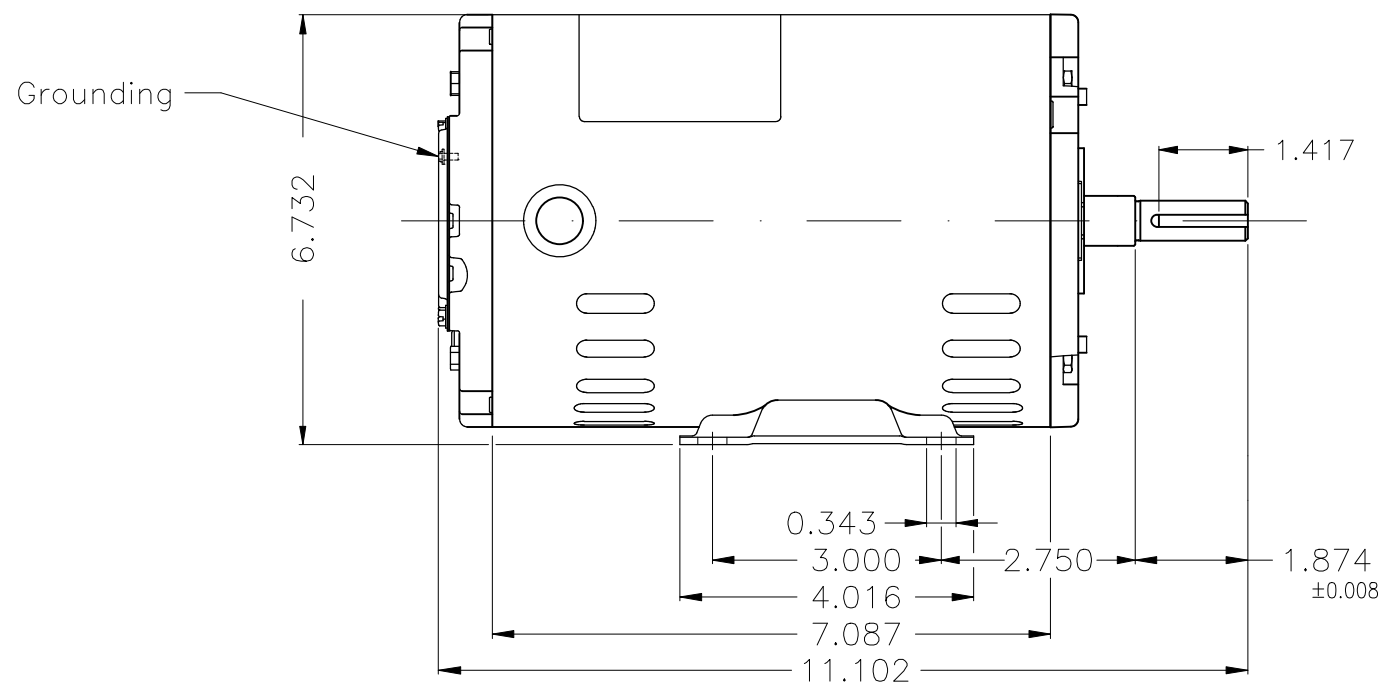


Performance : 220/415 V 50 Hz 4P

Rated current : 2.43/1.29 A
 LRC : 6.4
 Rated torque : 0.374 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 290 %
 Rated speed : 1455 rpm

Moment of inertia (J) : 0.0030 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 4 / 4 Revision		
Checked by				
Date	17/05/2022			



WEG's property. Forbidden reproduction without previous authorization.