

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Compressor Duty Single-Phase Product code : 14201573
Catalog # : 00536OS1CCDW184Y-S

Frame	: W182/4Y	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 105 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 22.4-20.7 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 139-128 A	Mounting	: F-3
LRC	: 6.2x(Code G)	Rotation ¹	: CCW
No load current	: 6.95-6.25 A	Starting method	: Direct On Line
Rated speed	: 3465 rpm	Approx. weight ³	: 54.5 lb
Slip	: 3.75 %		
Rated torque	: 7.58 ft.lb		
Locked rotor torque	: 200 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.4271 sq.ft.lb		
Design	: L		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	74.6	79.5	80.0	Max. traction	: 93 lb
Power Factor	0.00	0.92	0.96	0.97	Max. compression	: 148 lb

	Drive end	Non drive end
Bearing type	: 6205 ZZ	6203 ZZ
Sealing	: Without Bearing Seal	Without Bearing Seal
Lubrication interval	: 0 h	0 h
Lubricant amount	: 0 g	0 g
Lubricant type	Mobil Polyrex EM	

Notes

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		Page Revision 1 / 2		
Checked by				
Date	10/11/2023			



MADE IN BRAZIL

MAT: 14201573

W01.25MO0IC0X0X

MODEL 00536OS1CCDW184Y-S

27OCT2023 B/N:

CAPUS



COMPRESSOR DUTY
Thermally Protected

PH 1	Hz 60	HP 5.0
FR W182/4Y		KW 3.7
DUTY CONT.		V 230
ALT 1000 m.a.s.l		A 20.7
INS CL F		SFA 0.000
AMB 40°C	DES L	SF 1.15
ENCL ODP	CODE G	PF 0.97
		RPM 3465
		NEMA
		NOM. EFF 80.0%

Electric Motor

DE 6205-ZZ	ODE 6203-ZZ	MOBIL POLYREX EM
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T1



T4



T1 – BLU

L1

L2

T4 – YEL



WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.

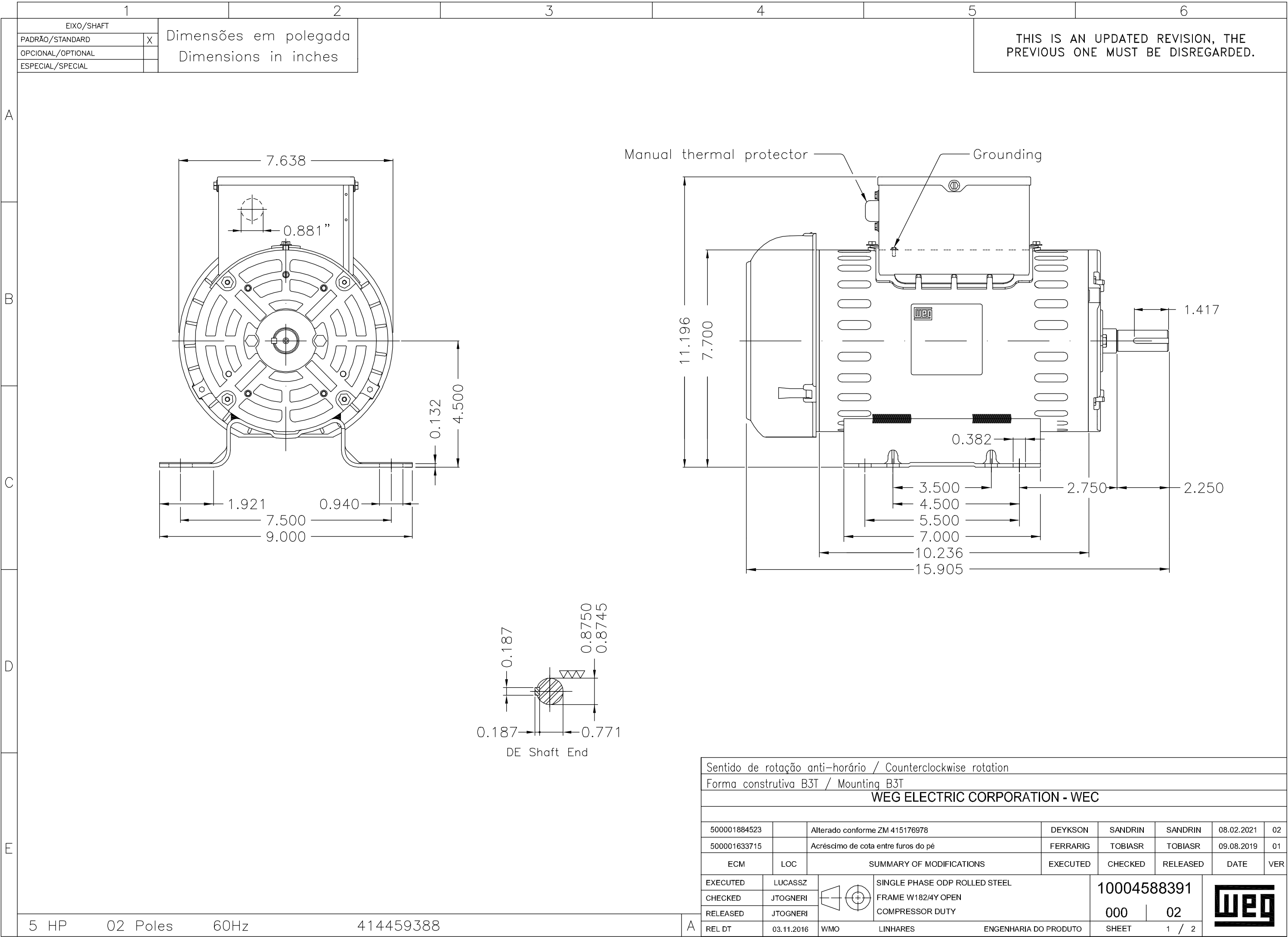


AVERTISSEMENT: Le moteur doit être mis à la terre

conformément aux codes électriques locaux et nationaux afin d'éviter tout

choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine.





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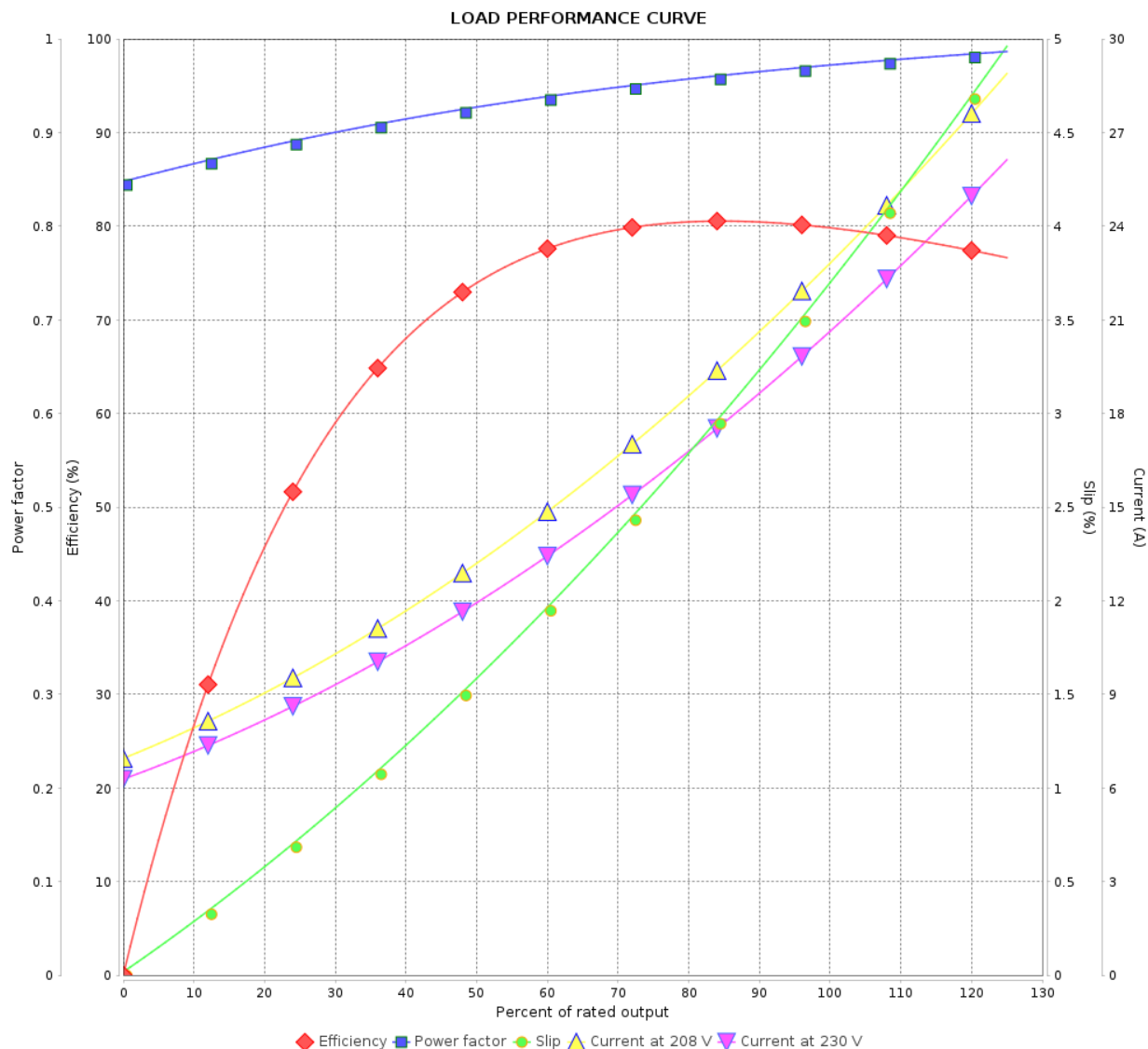
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Compressor Duty Single-Phase Product code : 14201573
Catalog # : 005360S1CCDW184Y-S



Performance : 208-230 V 60 Hz 2P

Rated current : 22.4-20.7 A
LRC : 6.2
Rated torque : 7.58 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 250 %
Rated speed : 3465 rpm

Moment of inertia (J) : 0.4271 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 105 K
Design : L

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