

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

		<u>Drive end</u>	<u>Non drive end</u>
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
NAMEPLATE:
Compressor Duty Motor

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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LOAD PERFORMANCE CURVE

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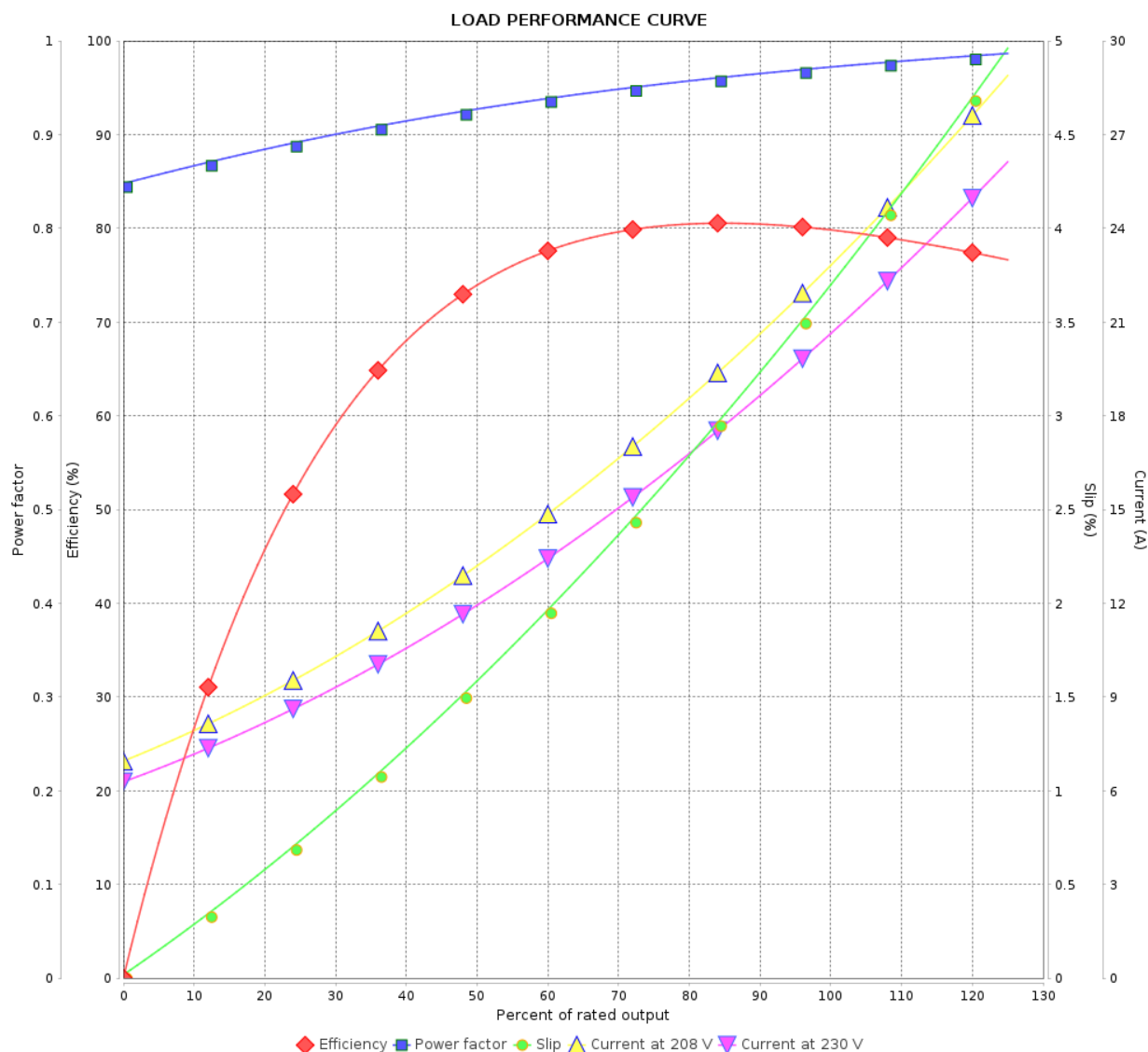


Customer :

Product line : Rolled Steel Compressor Duty
Single-Phase

Product code : 14201573

Catalog # : 00536OS1CCDW184Y-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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