

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Farm Duty Single-Phase
Product code : 14058210
Catalog # : 00518ES1DFD215T-S

Frame	: 213/5T	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 20.7 A	Protection degree	: IP55
L. R. Amperes	: 178 A	Cooling method	: IC411 - TEFC
LRC	: 8.6x(Code K)	Mounting	: F-1
No load current	: 3.60 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1760 rpm	Noise level ²	: 64.0 dB(A)
Slip	: 2.22 %	Starting method	: Direct On Line
Rated torque	: 14.9 ft.lb	Approx. weight ³	: 0.0 lb
Locked rotor torque	: 390 %		
Breakdown torque	: 400 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 1.43 sq.ft.lb		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	75.5	82.5	84.0	Max. traction	: 258 lb
Power Factor	0.87	0.92	0.95	Max. compression	: 415 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6208 2RS	6206 2RS
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
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.

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LOAD PERFORMANCE CURVE

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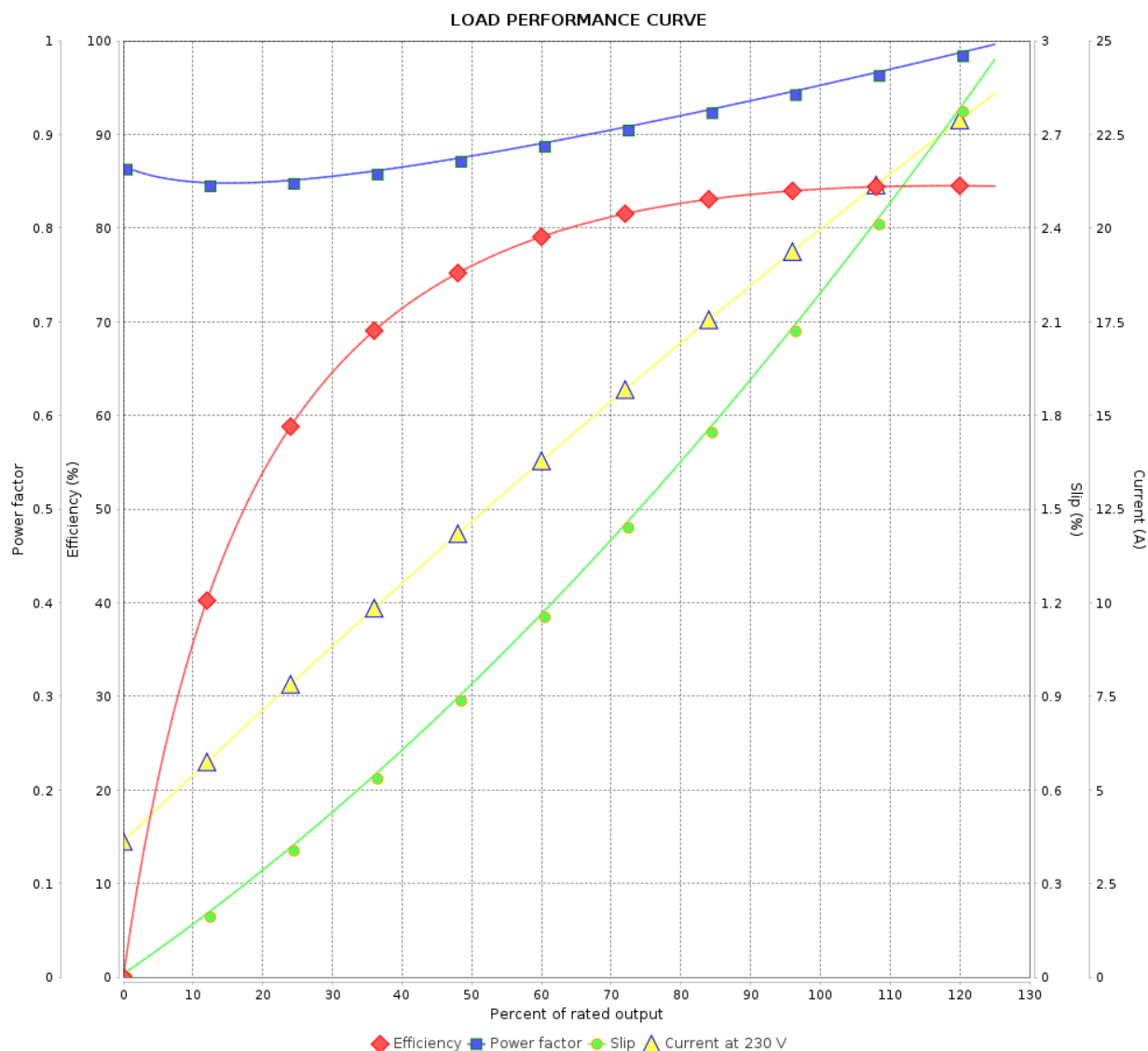


Customer :

Product line : Rolled Steel Farm Duty Single-Phase

Product code : 14058210

Catalog # : 00518ES1DFD215T-S



Performance : 230 V 60 Hz 4P

Rated current : 20.7 A
LRC : 8.6
Rated torque : 14.9 ft.lb
Locked rotor torque : 390 %
Breakdown torque : 400 %
Rated speed : 1760 rpm

Moment of inertia (J) : 1.43 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K

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