



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

Customer :

TECHNICAL PROPOSAL

Single-phase induction motor - Squirrel cage rotor

Product line : Farm Duty Motors : TEFC (IP55) - Single-Phase

Catalog Number : 01018ES1DFD215T

List Price : \$1,692

Notes:

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DATA SHEET

Single-phase induction motor - Squirrel cage rotor

Customer :
Product line : Farm Duty Motors : TEFC (IP55) - Single-Phase

Frame : 215T
Output : 10 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1740 rpm
Slip : 3.33 %
Voltage : 230 V
Rated current : 40.5 A
Locked rotor current : 271 A
Locked rotor current (I_L/I_n) : 6.7
No-load current : 12.2 A
Full load torque : 29.8 lb.ft
Locked rotor torque : 260 %
Breakdown torque : 240 %
Design : ---
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 6 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000 m
Degree of Protection : IP55
Approximate weight : 176 lb
Moment of inertia : 1.1533 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.
Bearings	6308 ZZ	6206 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.97	83.0
75%	0.96	82.0
50%	0.94	80.0

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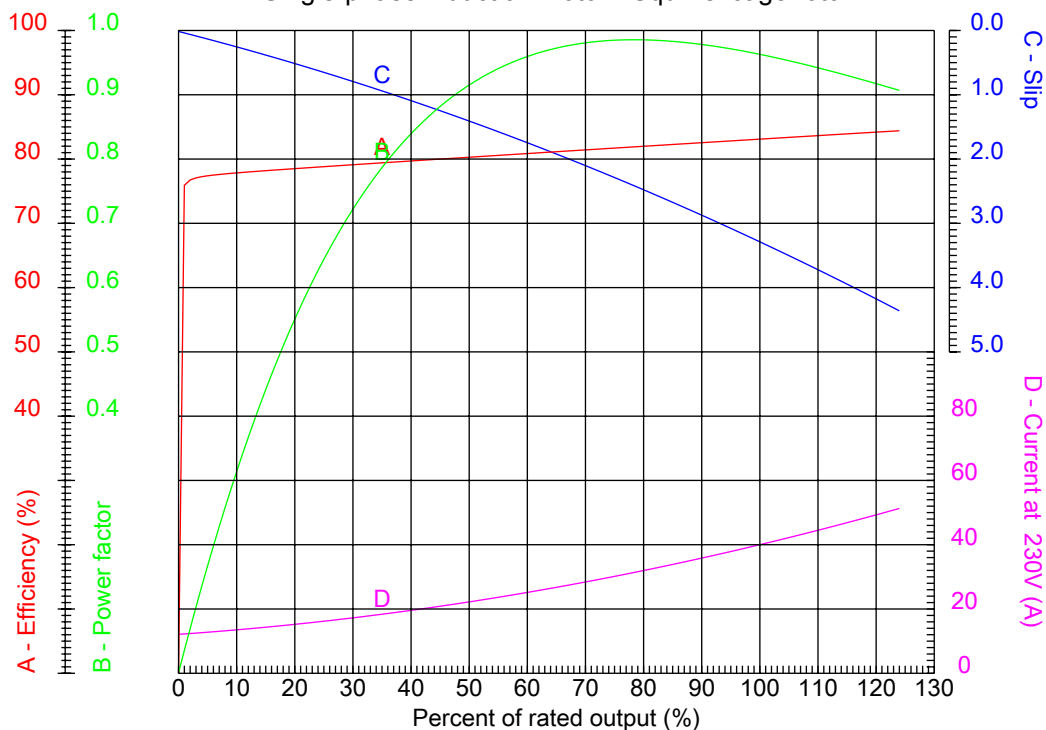
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



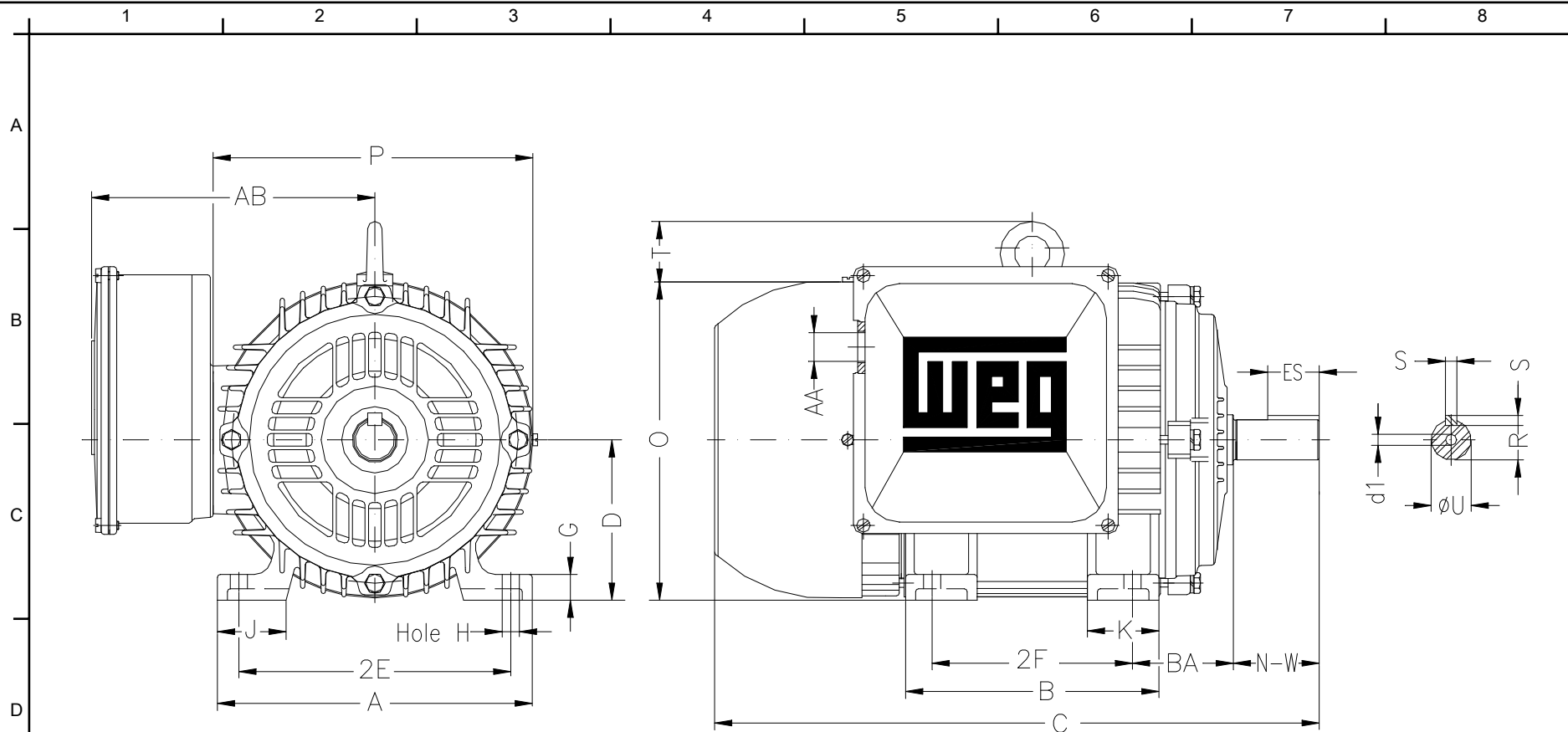
Customer :
Product line : Farm Duty Motors : TEFC (IP55) - Single-Phase

Frame	: 215T	Locked rotor current (I _L /I _n)	: 6.7
Output	: 10 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1740 rpm	Design	: ---
Voltage	: 230 V	Locked rotor torque	: 260 %
Rated current	: 40.5 A	Breakdown torque	: 240 %
Insulation class	: F		

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Customer:

Farm Duty Motors : TEFC (IP55) - Single-Phase

Single-phase induction motor
Frame 215T - IP55

13-SEP-2016



	2E 8.500	2F 7.000	H 0.406	BA 3.500	A 9.764
	B 8.875	C 19.567	D 5.250	G 0.827	J 2.008
F	K 2.165	O 10.880	P 10.630	ES 2.480	S 0.313
	N-W 3.375	U 1.375	R 1.203	AB 9.055	AA NPT 1"
	d1 A 4				