



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 : 00718ES1DFD215Z

List Price : \$1,463

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 : 215TZ
Output : 7.5 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1730 rpm
Slip : 3.89 %
Voltage : 230 V
Rated current : 33.0 A
Locked rotor current : 248 A
Locked rotor current (I_L/I_n) : 7.5
No-load current : 18.0 A
Full load torque : 22.5 lb.ft
Locked rotor torque : 400 %
Breakdown torque : 260 %
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 : 157 lb
Moment of inertia : 0.88276 sq.ft.lb
Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.90	83.0
75%	0.81	81.0
50%	0.71	77.0

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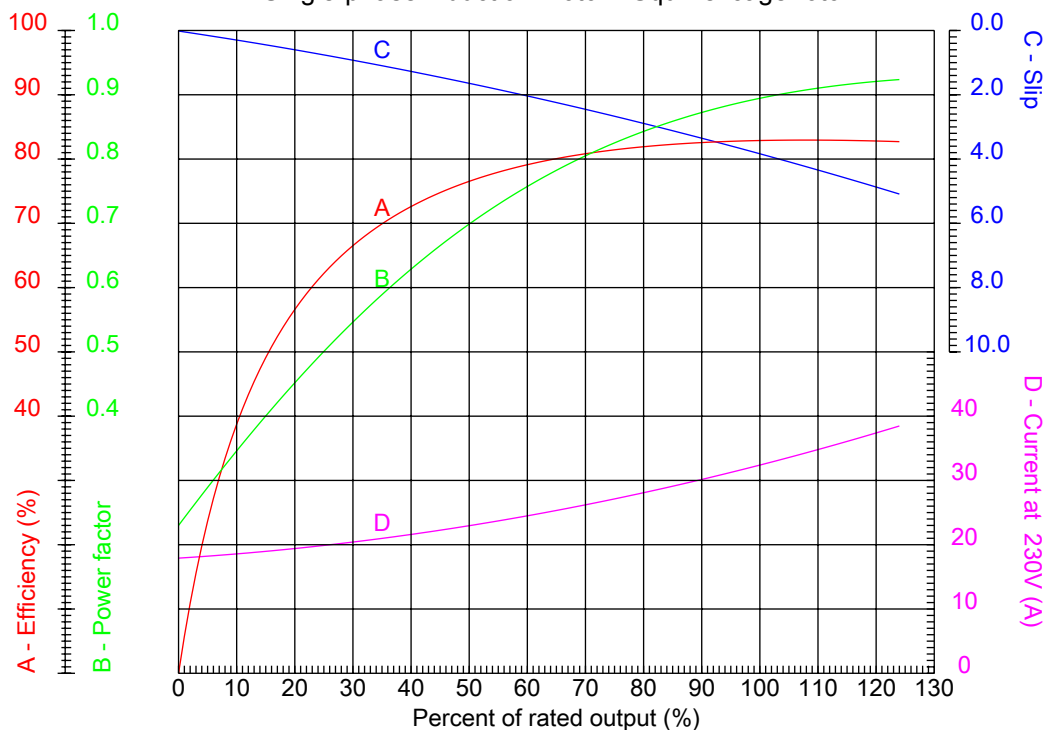
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



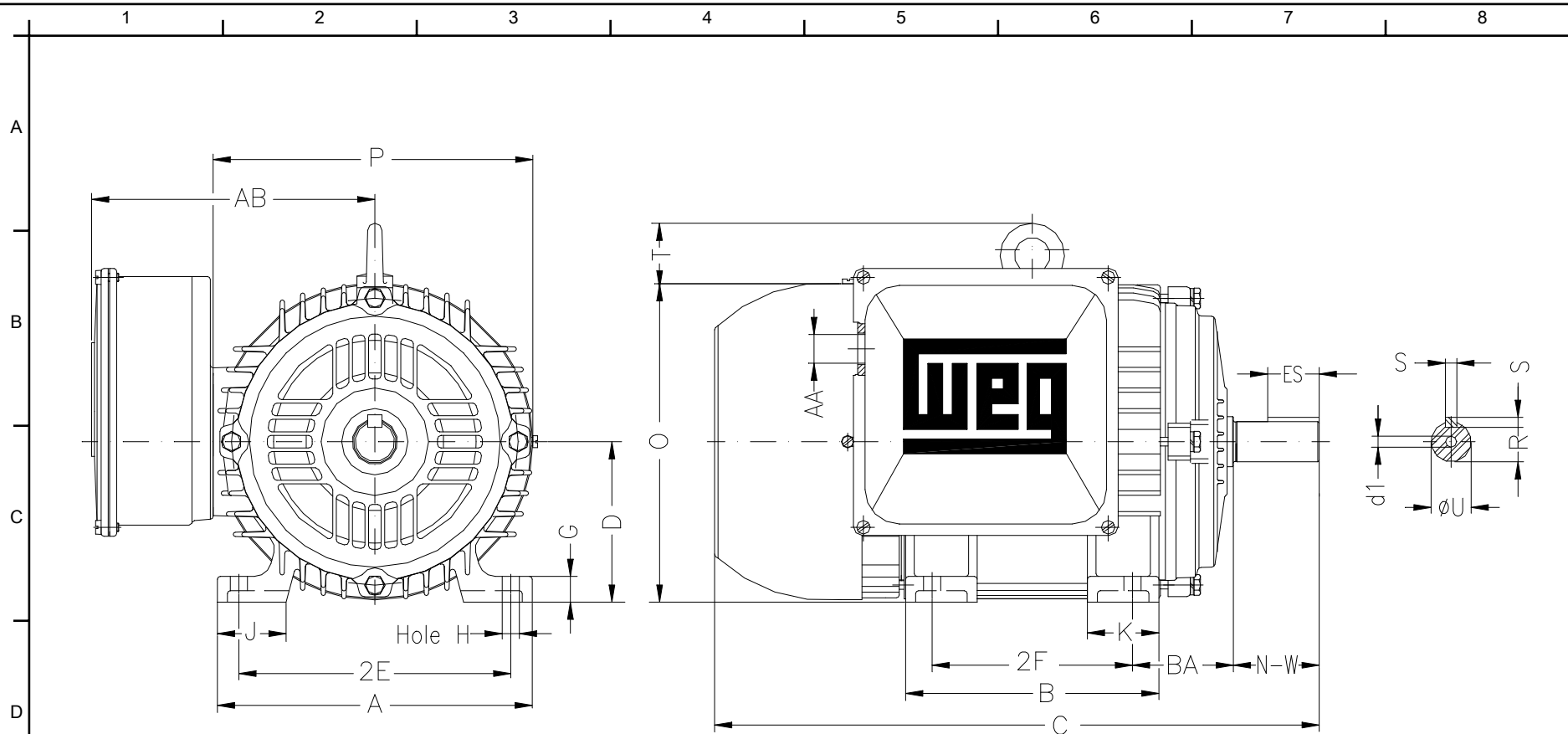
Customer :
Product line : Farm Duty Motors : TEFC (IP55) - Single-Phase

Frame	: 215TZ	Locked rotor current (I _L /I _n)	: 7.5
Output	: 7.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1730 rpm	Design	: ---
Voltage	: 230 V	Locked rotor torque	: 400 %
Rated current	: 33.0 A	Breakdown torque	: 260 %
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Customer:		
Farm Duty Motors : TEFC (IP55) - Single-Phase		
Single-phase induction motor Frame 215TZ - IP55	13-SEP-2016	

F	2E 8.500	2F 7.000	H 0.406	BA 3.500	A 9.765
	B 8.875	C 19.567	D 5.250	G 0.830	J 2.000
	K 2.165	O 9.610	P 10.630	ES 1.968	S 0.250
	N-W 3.375	U 1.125	R 0.986	AB 9.055	AA NPT 1"
	d1 A 4				