



Dealers Industrial Equipment

No.:

Date: 13-SEP-2016

Customer :

TECHNICAL PROPOSAL

Single-phase induction motor - Squirrel cage rotor

Product line : Close Coupled Pump : Single-Phase - "JM" Type - TEFC - Standard Efficiency

Catalog Number : 00718ES1E215JM

List Price : \$1,762

Notes:

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DATA SHEET Single-phase induction motor - Squirrel cage rotor

Customer :
Product line : Close Coupled Pump : Single-Phase - "JM" Type - TEFC - Standard Efficiency

Frame : 215JM
Output : 7.5 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1730 rpm
Slip : 3.89 %
Voltage : 208-230/460 V
Rated current : 35.5-34.0/17.0 A
Locked rotor current : 238/119 A
Locked rotor current (I_L/I_n) : 7.0
No-load current : 17.6/8.80 A
Full load torque : 22.5 lb.ft
Locked rotor torque : 320 %
Breakdown torque : 240 %
Design : ---
Insulation class : B
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 : 0.88038 sq.ft.lb
Noise level : ---

	D.E.	N.D.E.
Bearings	6309 ZZ	6206 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.86	83.0
75%	0.81	82.0
50%	0.71	78.0

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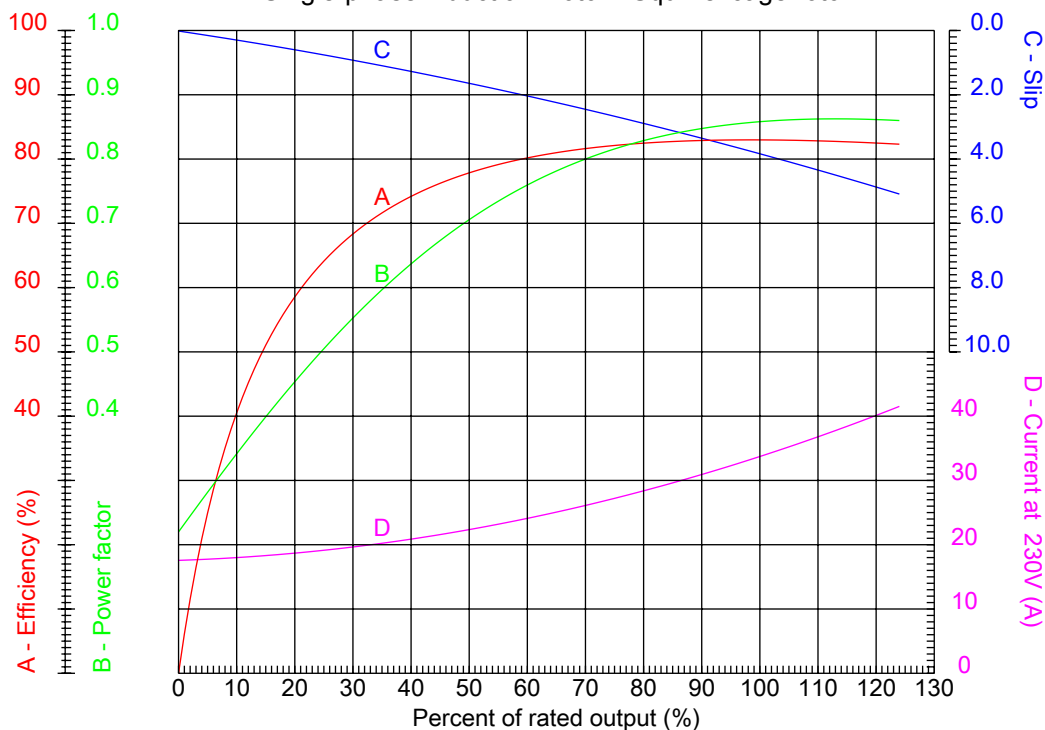
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



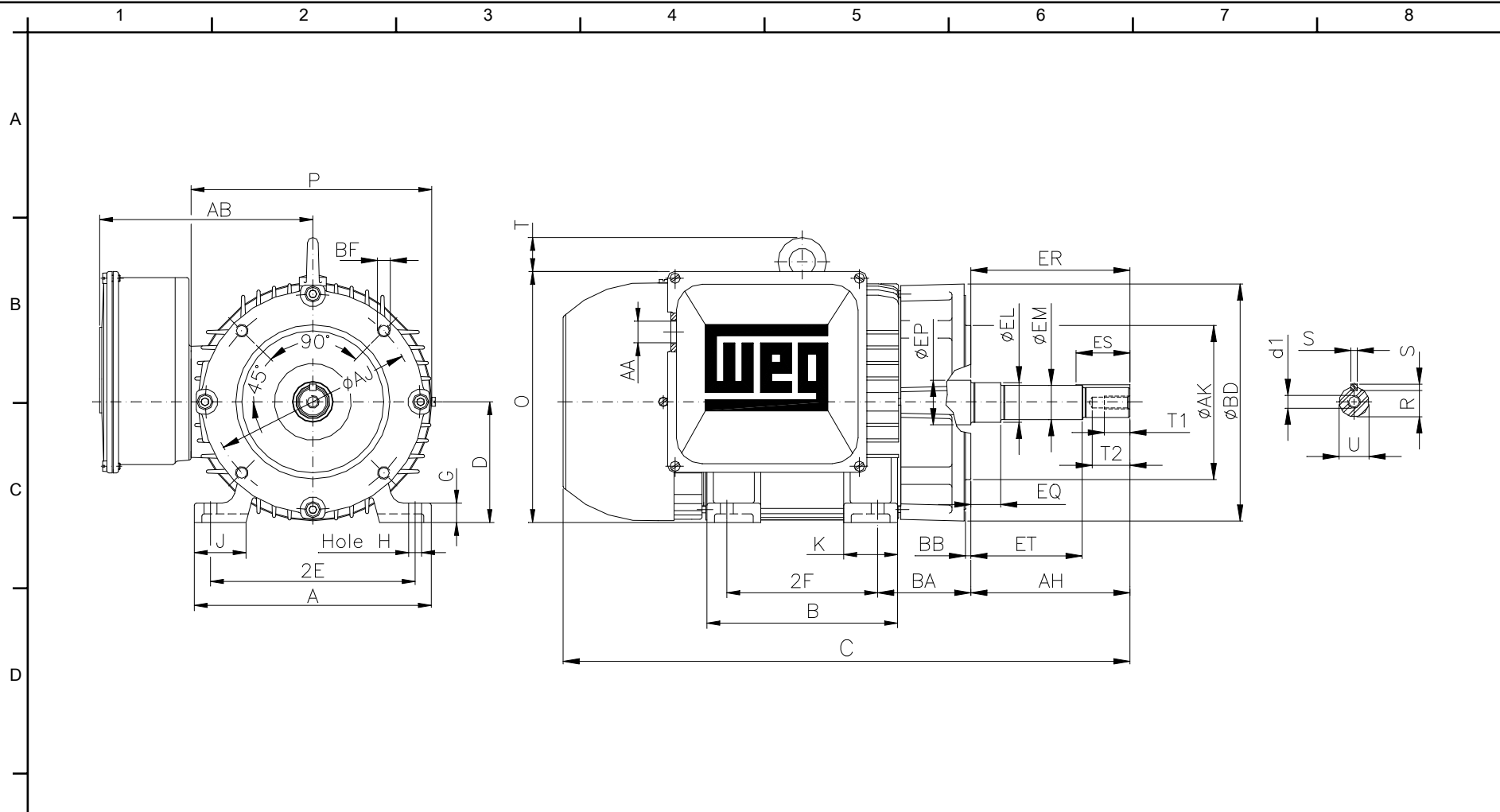
Customer :
 Product line : Close Coupled Pump : Single-Phase - "JM" Type - TEFC - Standard Efficiency

Frame	: 215JM	Locked rotor current (I _l /I _n)	: 7.0
Output	: 7.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1730 rpm	Design	: ---
Voltage	: 208-230/460 V	Locked rotor torque	: 320 %
Rated current	: 35.5-34.0/17.0 A	Breakdown torque	: 240 %
Insulation class	: B		

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2E	2F	H	BA	A
8.500	7.000	0.406	3.500	9.764
B	D	G	J	K
8.858	5.250	0.827	2.008	2.165
O	P	AB	AA	ER
10.841	10.630	8.071	NPT 1"	4.258
EQ	ET	U	EM	EL
0.630	2.880	0.874	1.000	1.250
EP	S	R	ES	d1
1.770	0.187	0.767	1.654	EUNC 3/8"-16
t1	t2	C	Flange	AJ
0.748	1.102	20.400	FC-184	7.252
AK	BD	BF	BB	AH
8.500	8.858	UNC 1/2"x13	0.248	4.258

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Customer:

Close Coupled Pump : Single-Phase - "JM" Type - TEFC - Standard Efficiency

Single-phase induction motor
 Frame 215JM - IP55

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