



Dealers Industrial Equipment

No.:

Date: 12-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 : 00336ES1E145JM

List Price : \$1,076

Notes:

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Generated for Model #00336ES1E145JM

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No.:

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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 : 145JM
 Output : 3 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3500 rpm
 Slip : 2.78 %
 Voltage : 208-230/460 V
 Rated current : 14.6-13.5/6.75 A
 Locked rotor current : 94.5/47.3 A
 Locked rotor current (I_L/I_n) : 7.0
 No-load current : 5.30/2.65 A
 Full load torque : 4.44 lb.ft
 Locked rotor torque : 210 %
 Breakdown torque : 230 %
 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 : 62 lb
 Moment of inertia : 0.06644 sq.ft.lb
 Noise level : ---

	D.E.	N.D.E.
Bearings	6206 ZZ	6203 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.90	79.0
75%	0.87	78.5
50%	0.79	75.0

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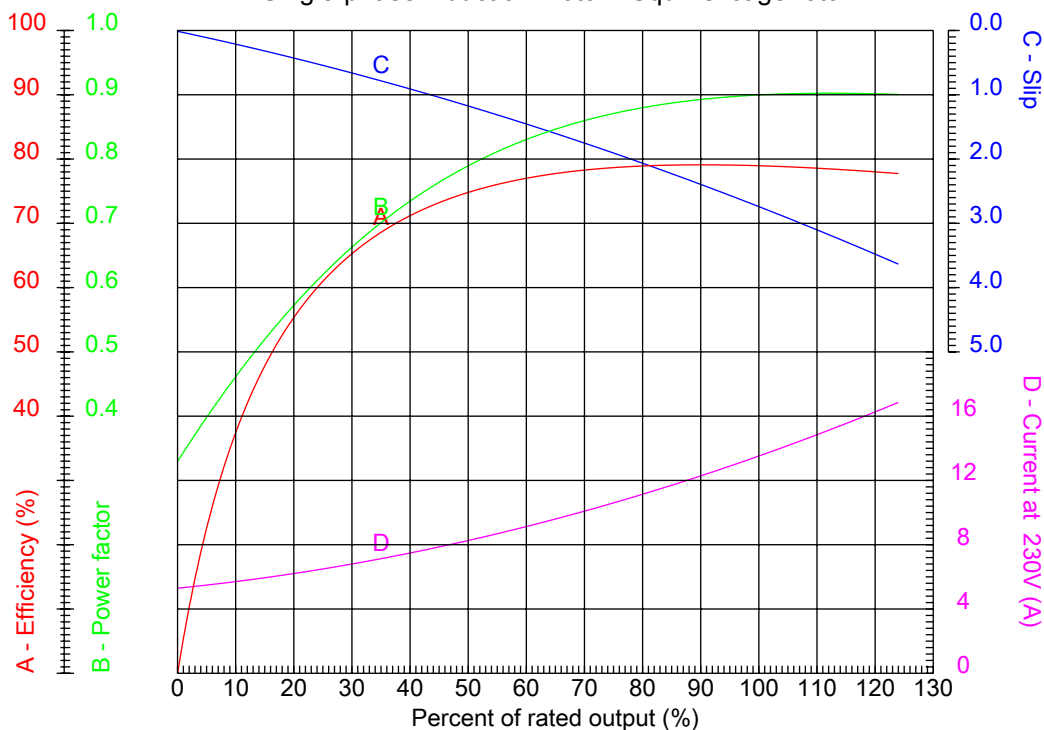
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



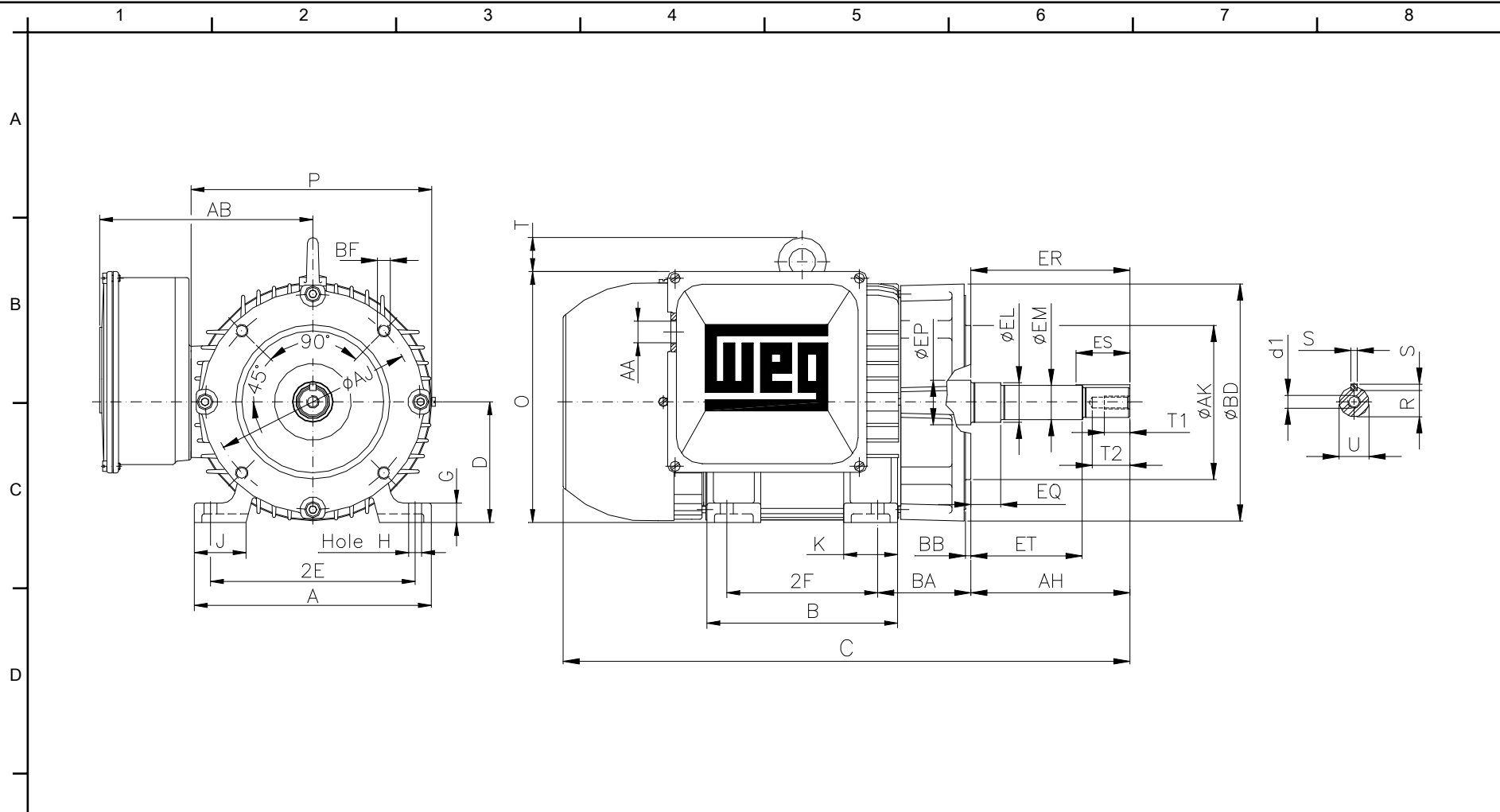
Customer :
 Product line : Close Coupled Pump : Single-Phase - "JM" Type - TEFC - Standard Efficiency

Frame	: 145JM	Locked rotor current (I _l /I _n)	: 7.0
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3500 rpm	Design	: ---
Voltage	: 208-230/460 V	Locked rotor torque	: 210 %
Rated current	: 14.6-13.5/6.75 A	Breakdown torque	: 230 %
Insulation class	: B		

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2E	2F	H	BA	A
5.500	5.000	0.344	2.560	6.457
B	D	G	J	K
6.142	3.500	0.547	1.496	1.654
O	P	AB	AA	ER
7.000	7.047	6.968	NPT 3/4"	4.258
EQ	ET	U	EM	EL
0.630	2.880	0.874	1.000	1.156
EP	S	R	ES	d1
1.179	0.187	0.767	1.654	EUNC 3/8"-16
t1	t2	C	Flange	AJ
0.748	1.102	16.458	FC-149	5.874
AK	BD	BF	BB	AH
4.500	6.496	UNC 3/8"x16	0.157	4.258

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Customer:

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

Single-phase induction motor
 Frame 145JM - IP55

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