



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 : 00218ES1E145JM

List Price : \$814

Notes:

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No.:

Date: 12-SEP-2016

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 : 2 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1750 rpm
 Slip : 2.78 %
 Voltage : 208-230/460 V
 Rated current : 9.65-9.20/4.60 A
 Locked rotor current : 67.2/33.6 A
 Locked rotor current (I_L/I_n) : 7.3
 No-load current : 4.30/2.15 A
 Full load torque : 5.92 lb.ft
 Locked rotor torque : 220 %
 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 : 60 lb
 Moment of inertia : 0.15543 sq.ft.lb
 Noise level : ---

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

Load	Power factor	Efficiency (%)
100%	0.91	78.0
75%	0.87	76.0
50%	0.80	69.0

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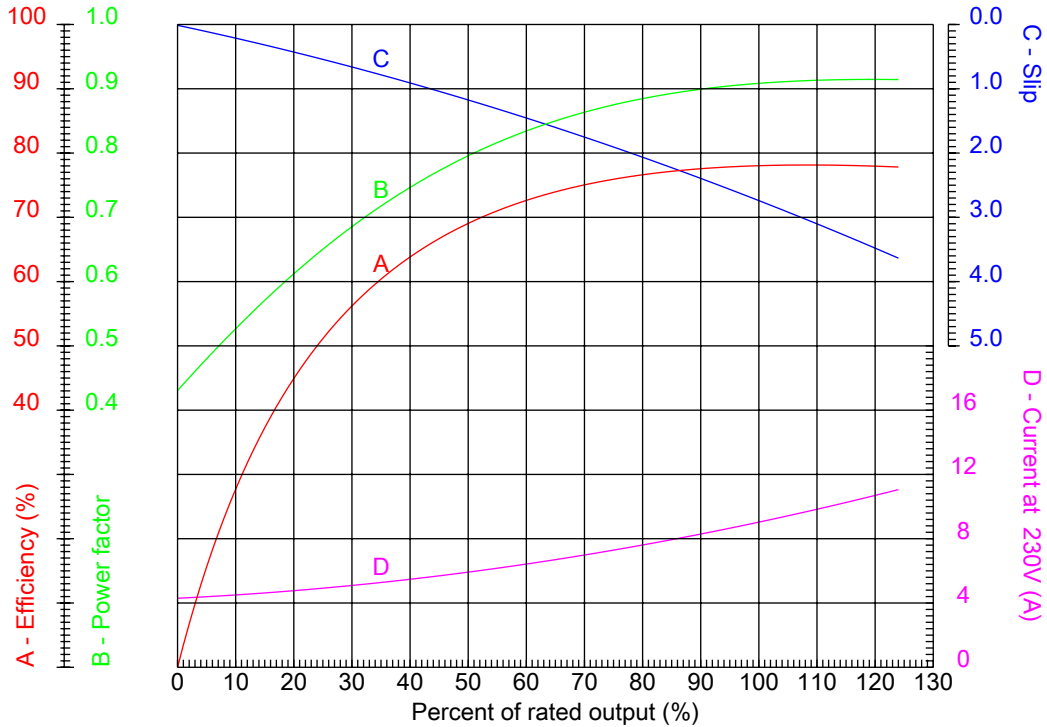
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



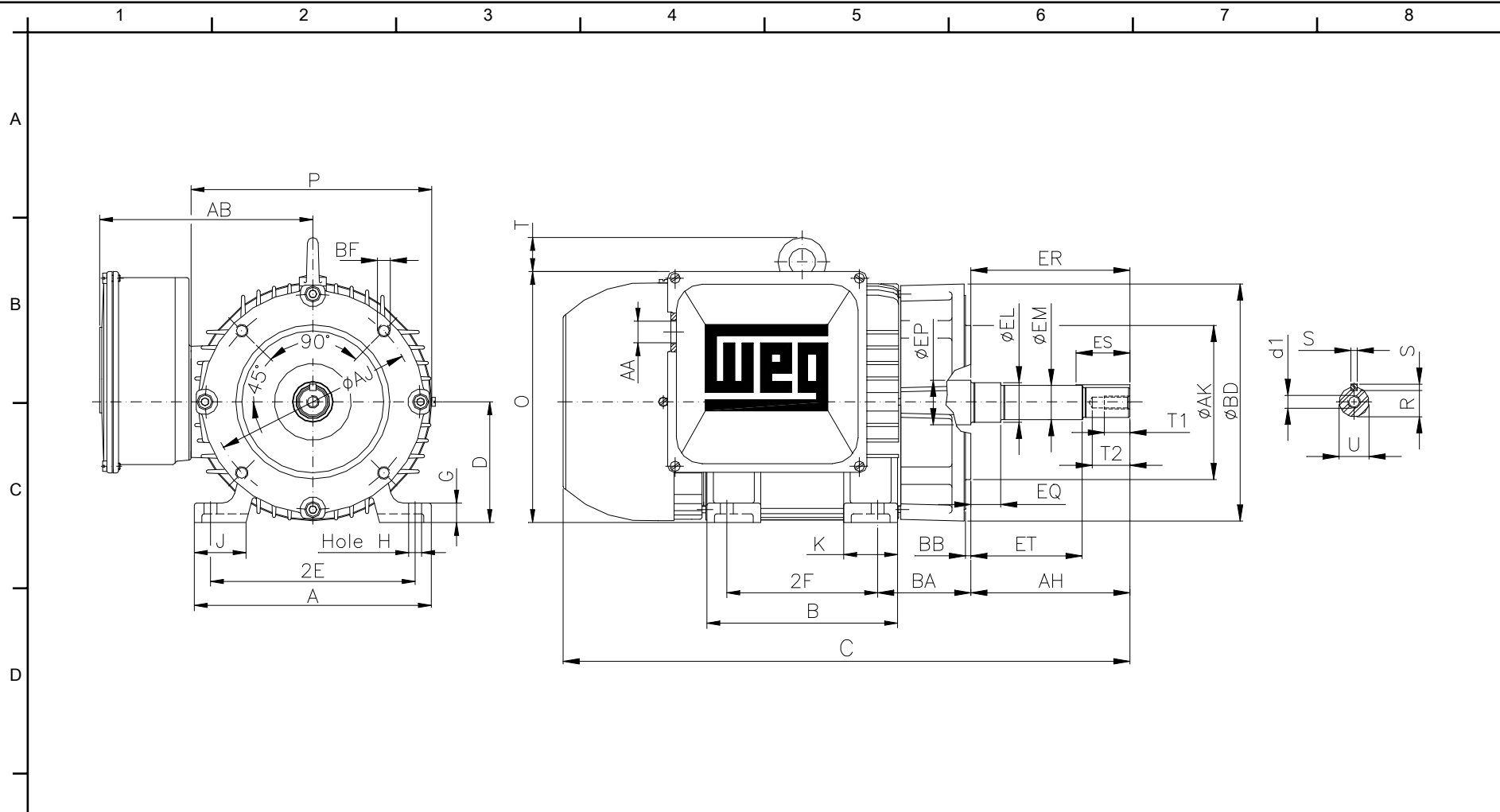
Customer :
 Product line : Close Coupled Pump : Single-Phase - "JM" Type - TEFC - Standard Efficiency

Frame	: 145JM	Locked rotor current (I _l /I _n)	: 7.3
Output	: 2 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1750 rpm	Design	: ---
Voltage	: 208-230/460 V	Locked rotor torque	: 220 %
Rated current	: 9.65-9.20/4.60 A	Breakdown torque	: 240 %
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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