



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 - "JP" Type - TEFC - Standard Efficiency

Catalog Number : 00218ES1E145JP

List Price : \$814

Notes:

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Generated for Model #00218ES1E145JP

Performed by:

Checked:



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## DATA SHEET Single-phase induction motor - Squirrel cage rotor

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

Frame : 145JP  
 Output : 2 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1740 rpm  
 Slip : 3.33 %  
 Voltage : 208-230/460 V  
 Rated current : 8.40/4.20 A  
 Locked rotor current : 60.5/30.2 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 7.2  
 No-load current : 3.00/1.50 A  
 Full load torque : 5.96 lb.ft  
 Locked rotor torque : 230 %  
 Breakdown torque : 230 %  
 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 : 53 lb  
 Moment of inertia : 0.15662 sq.ft.lb  
 Noise level : 55 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.95	80.0
75%	0.91	78.5
50%	0.88	74.0

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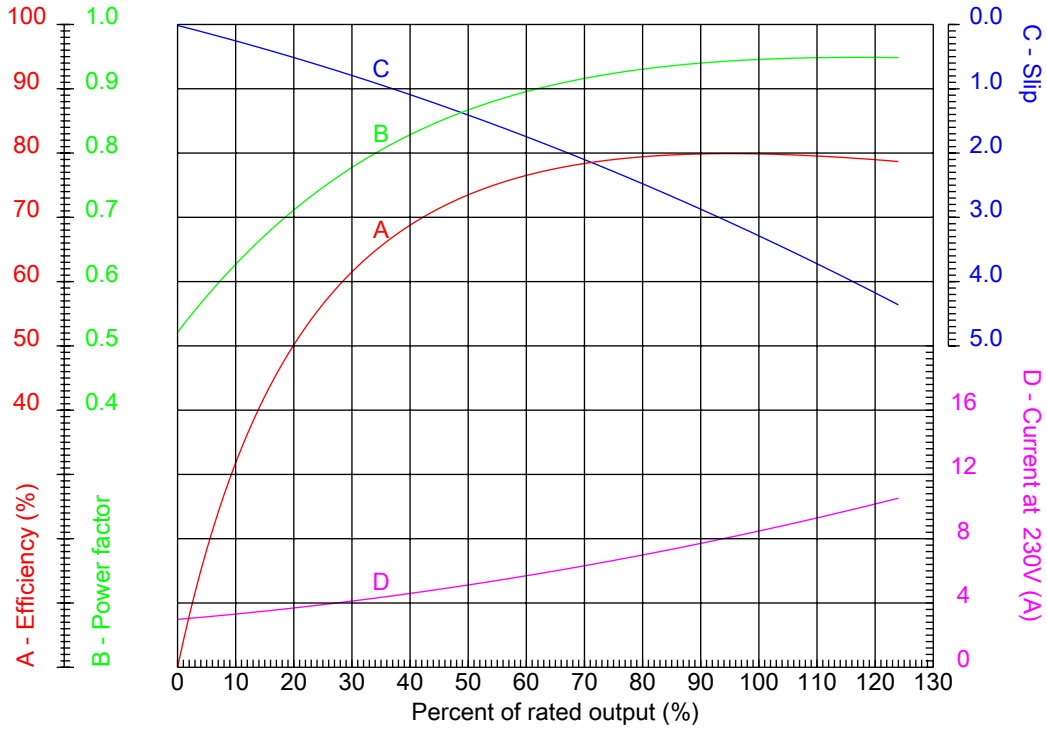
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



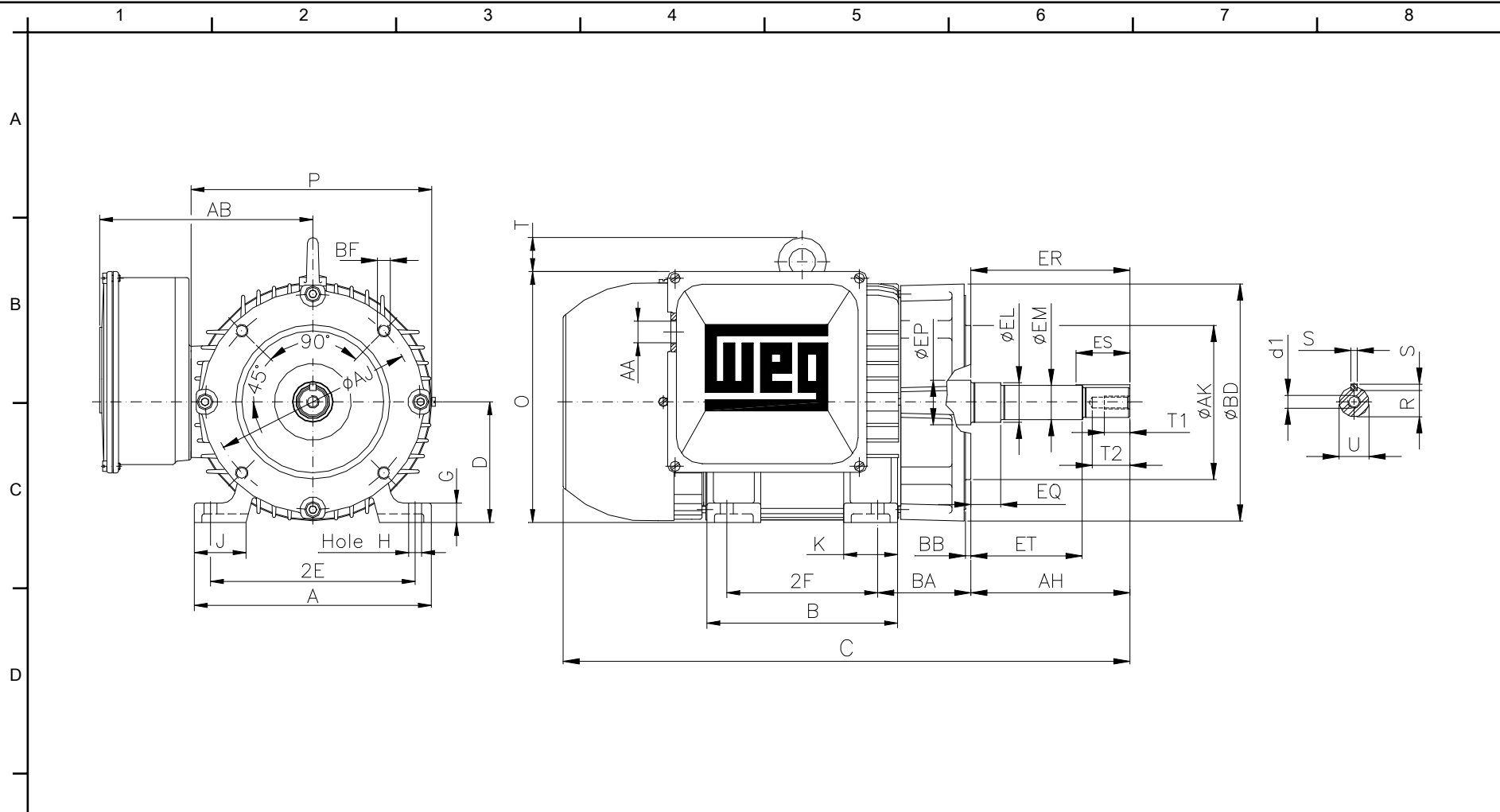
Customer :  
 Product line : Close Coupled Pump : Single-Phase - "JP" Type - TEFC - Standard Efficiency

Frame	: 145JP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 7.2
Output	: 2 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1740 rpm	Design	: ---
Voltage	: 208-230/460 V	Locked rotor torque	: 230 %
Rated current	: 8.40/4.20 A	Breakdown torque	: 230 %
Insulation class	: F		

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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	7.319
EQ	ET	U	EM	EL
1.563	5.941	0.874	1.000	1.156
EP	S	R	ES	d1
1.179	0.187	0.768	1.575	EUNC 3/8-16
t1	t2	C	Flange	AJ
0.748	1.102	19.519	FC-149	5.874
AK	BD	BF	BB	
4.500	6.496	UNC 3/8"x16	0.157	

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Customer:

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

Single-phase induction motor  
 Frame 145JP - IP55

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