



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

Catalog Number : 00336OP3V145JP

List Price : \$565

Notes:

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

Frame : F143/5JP
 Output : 3 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3400 rpm
 Slip : 5.56 %
 Voltage : 200/400 V
 Rated current : 8.40/4.20 A
 Locked rotor current : 71.4/35.7 A
 Locked rotor current (I_L/I_n) : 8.5
 No-load current : 2.76/1.38 A
 Full load torque : 4.57 lb.ft
 Locked rotor torque : 400 %
 Breakdown torque : 300 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 15 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP21
 Approximate weight : 46 lb
 Moment of inertia : 0.07119 sq.ft.lb
 Noise level : ---

	D.E.	N.D.E.
Bearings	6206 ZZ	6204 ZZ
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.92	85.5
75%	0.88	84.0
50%	0.80	81.5

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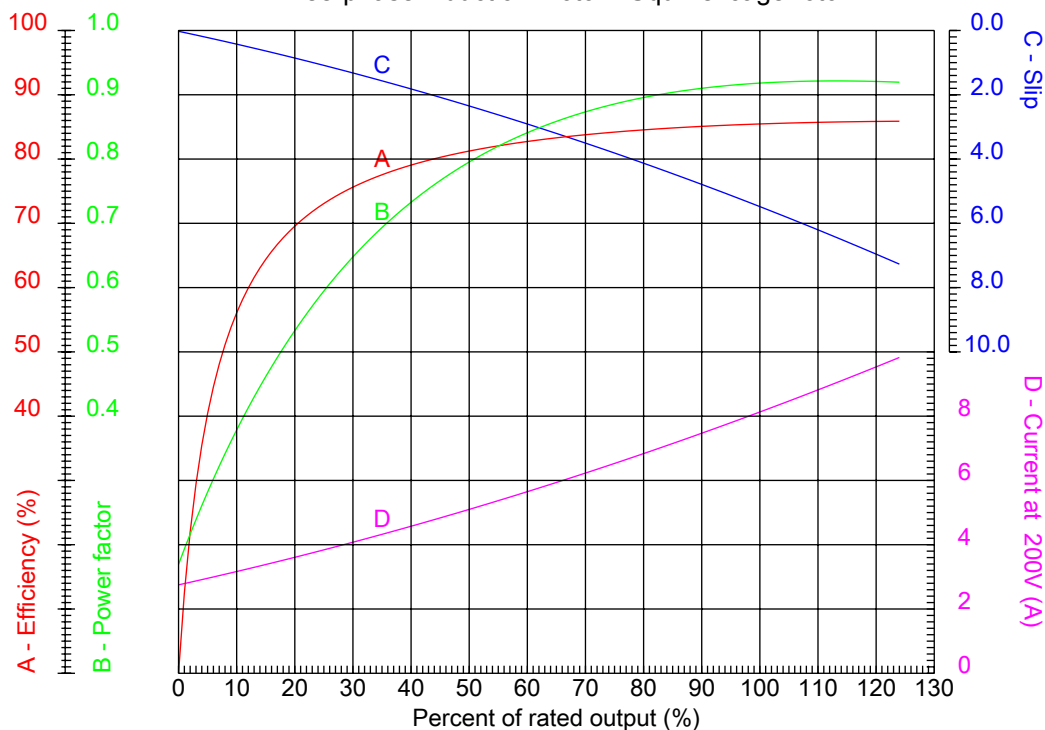
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

Frame	: F143/5JP	Locked rotor current (I _l /I _n)	: 8.5
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3400 rpm	Design	: B
Voltage	: 200/400 V	Locked rotor torque	: 400 %
Rated current	: 8.40/4.20 A	Breakdown torque	: 300 %
Insulation class	: F		

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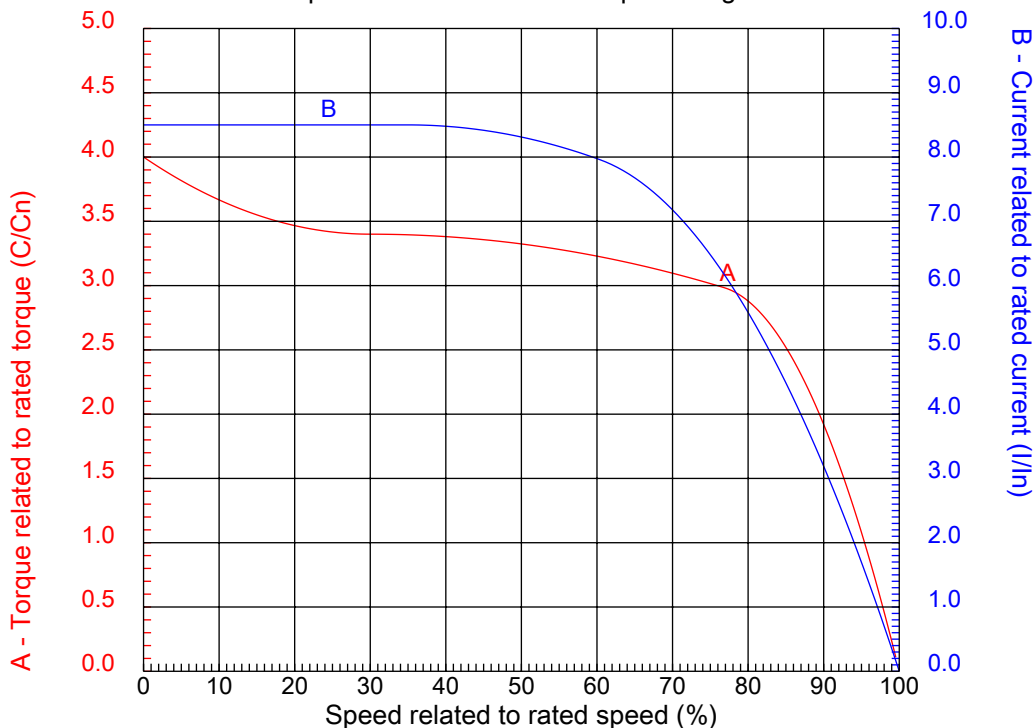
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



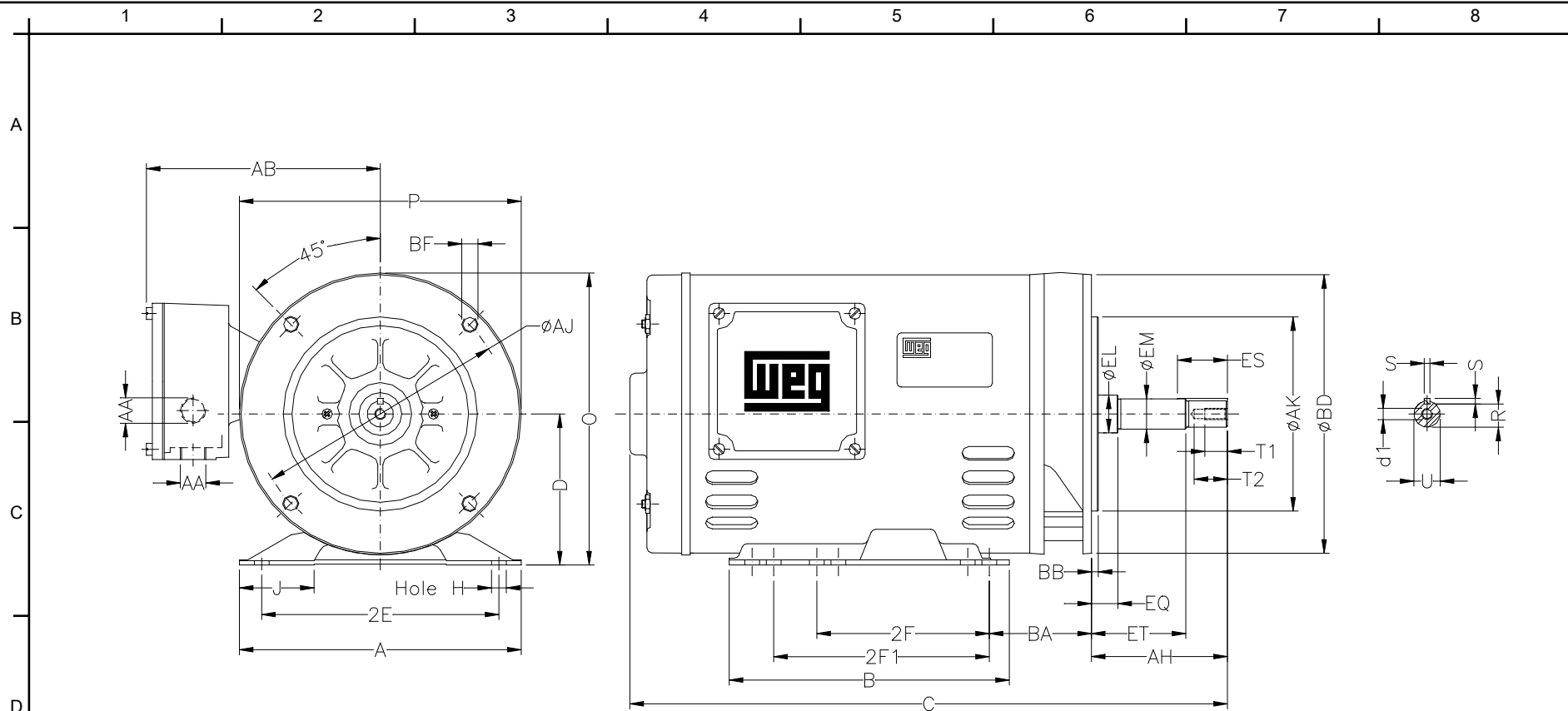
Customer :
Product line : Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

Frame	: F143/5JP	Locked rotor current (I _l /I _n)	: 8.5
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3400 rpm	Design	: B
Voltage	: 200/400 V	Locked rotor torque	: 400 %
Rated current	: 8.40/4.20 A	Breakdown torque	: 300 %
Insulation class	: F		

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2E	A	2F	B	J
5.500	6.535	4.000	6.496	1.732
BA	D	G	O	P
2.250	3.500	0.120	6.772	6.535
AB	H	AA	EQ	ET
5.433	0.342	NPT 1/2"	1.565	5.941
U	EM	EL	S	R
0.874	1.000	1.156	0.187	0.768
ES	d1	t1	t2	C
1.654	DUNC 3/8"-16	0.748	0.984	17.913
Flange FC-149	AJ	AK	BD	BF
	5.874	4.500	6.535	UNC 3/8"x16
BB	AH			
0.157	185.9			

Performed by:
 Checked:
 Customer:
 Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency
 Three-phase induction motor
 Frame F143/5JP - IP21
 12-SEP-2016


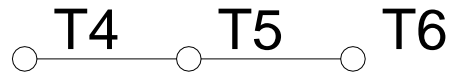
1 2 3 4 5 6 7 8

A

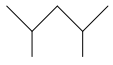
LOW VOLTAGE

HIGH VOLTAGE

B



C



D

E

F

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Customer:

Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

Three-phase induction motor
 Frame F143/5JP - IP21

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