



# Dealers Industrial Equipment

No.:

Date: 27-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 : 10018OP3E404JP

List Price : \$7,469

#### Notes:

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Generated for Model #10018OP3E404JP

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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 : 404JP  
 Output : 100 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1775 rpm  
 Slip : 1.39 %  
 Voltage : 230/460 V  
 Rated current : 230/115 A  
 Locked rotor current : 1380/690 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.0  
 No-load current : 72.0/36.0 A  
 Full load torque : 292 lb.ft  
 Locked rotor torque : 220 %  
 Breakdown torque : 250 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 10 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP23  
 Approximate weight : 882 lb  
 Moment of inertia : 18.269 sq.ft.lb  
 Noise level : 69 dB(A)

	D.E.	N.D.E.
Bearings	6314 C3	6314 C3
Regreasing interval	20000 h	20000 h
Grease amount	27 g	27 g

Load	Power factor	Efficiency (%)
100%	0.87	94.1
75%	0.84	94.1
50%	0.74	93.6

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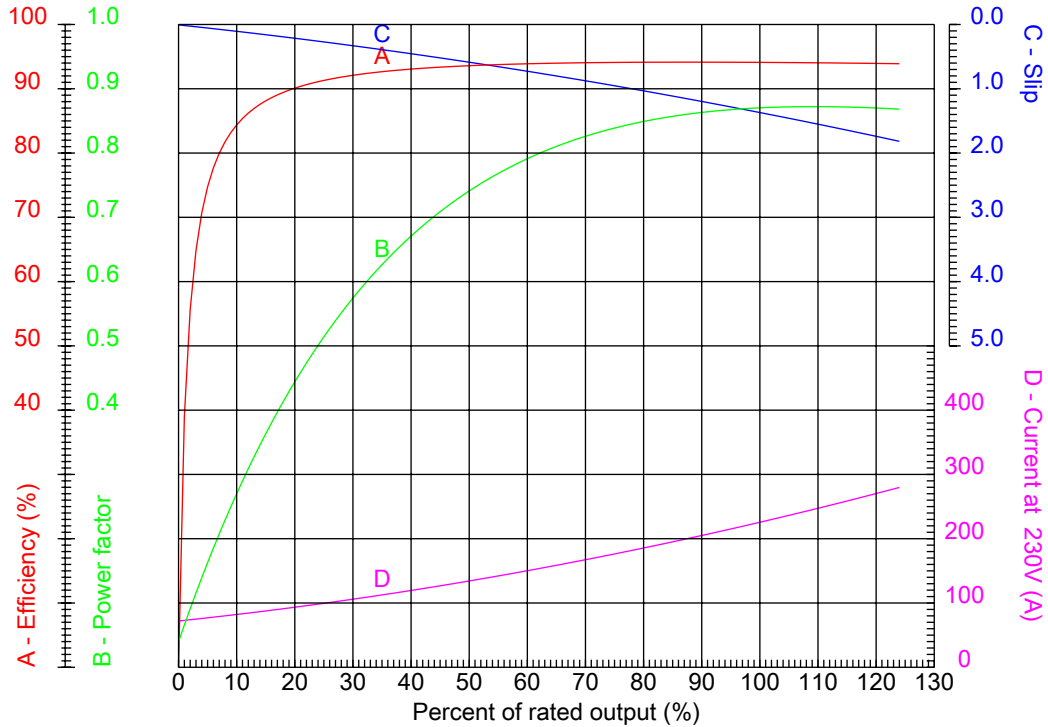
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 404JP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.0
Output	: 100 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1775 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 220 %
Rated current	: 230/115 A	Breakdown torque	: 250 %
Insulation class	: F		

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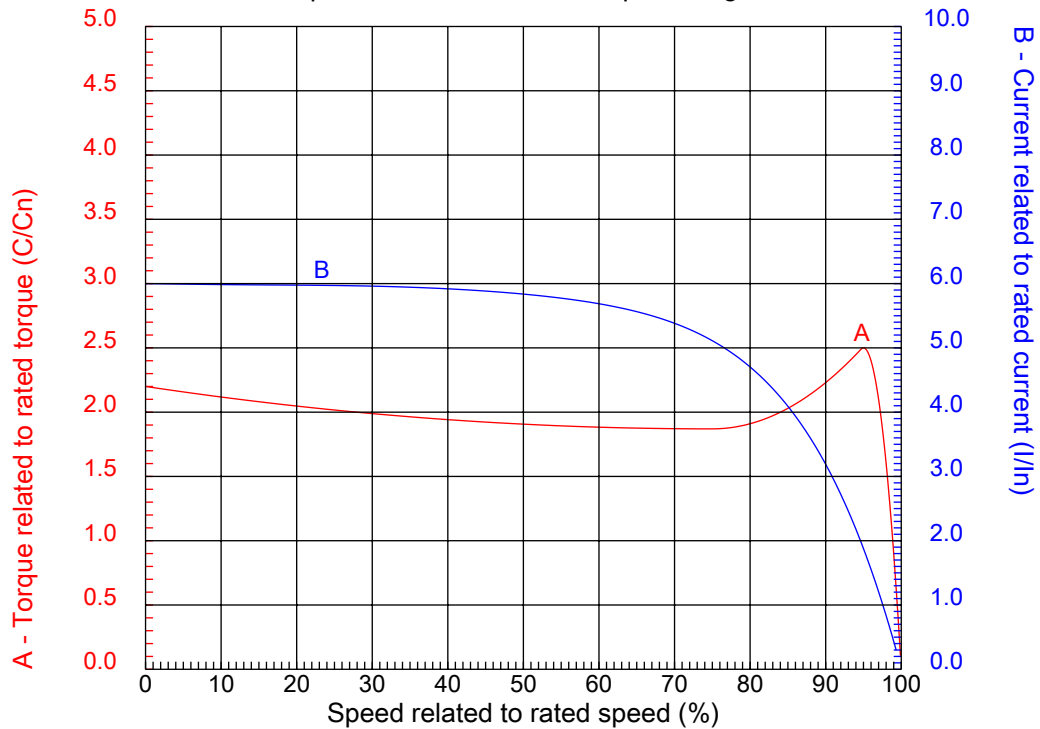
# Dealers Industrial Equipment

No.:

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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	: 404JP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.0
Output	: 100 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1775 rpm	Design	: B
Voltage	: 230/460 V	Locked rotor torque	: 220 %
Rated current	: 230/115 A	Breakdown torque	: 250 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

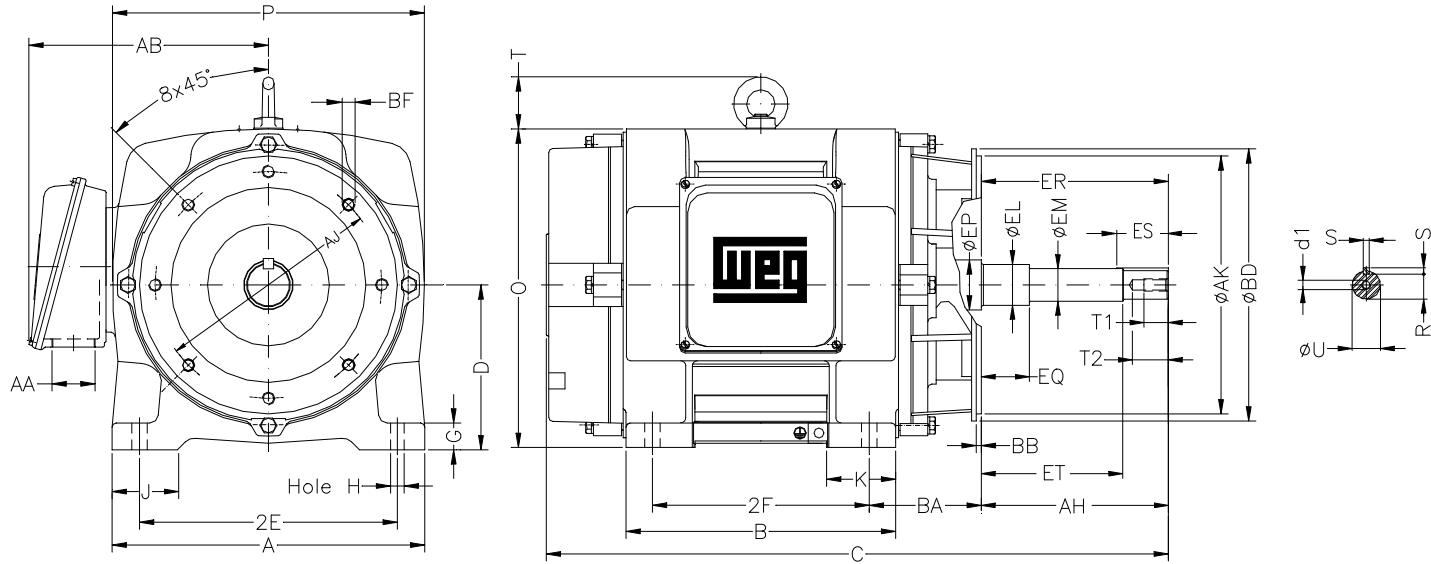
B

C

D

E

F



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2E 16.000	A 19.950	2F 12.244/13.740	B 17.700	J 3.950
BA 6.625	D 10.000	K 5.440	G 1.968	O 19.409
P 17.874	T 2.800	H 0.807	AA NPT 3"	ER 8.130
EQ 2.382	ET 5.886	U 1.624	EM 1.750	EL 2.125
S 0.375	EP 2.754	R 1.413	ES 2.480	d1 EUNC 1/2"-13
t1 0.984	t2 1.496	C 35.263	Flange FC-279	AJ 11.000
AK 12.500	BD 14.960	BF UNC 5/8"x11	BB 0.250	AH 8.130

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Checked:

Customer:

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

Three-phase induction motor  
Frame 404JP - IP23

27-SEP-2016



1 2 3 4 5 6 7 8

A  
B  
C  
D  
E  
F

LOW VOLTAGE

HIGH VOLTAGE



CONNECTIONS FOR STARTING ONLY:

LOW VOLTAGE

HIGH VOLTAGE



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Customer:

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

Three-phase induction motor  
Frame 404JP - IP23

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