



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JP" Type - ODP - High Efficiency  
Catalog Number : 02018OP3E256JP-S  
List Price : \$2,107

Notes:

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Checked:



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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

Customer :  
 Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JP" Type - ODP - High Efficiency

Frame : 254/6JP  
 Output : 20 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1755 rpm  
 Slip : 2.50 %  
 Voltage : 208-230/460 V  
 Rated current : 56.4-51.0/25.5 A  
 Locked rotor current : 281/140 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 5.5  
 No-load current : 23.0/11.5 A  
 Full load torque : 59.0 lb.ft  
 Locked rotor torque : 190 %  
 Breakdown torque : 220 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 12 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : ODP  
 Approximate weight : 166 lb  
 Moment of inertia : 1.2819 sq.ft.lb  
 Noise level : 64 dB(A)

	D.E.	N.D.E.
Bearings	6309 Z-C3	6208 Z-C3
Regreasing interval	20000 h	20000 h
Grease amount	13 g	8 g

Load	Power factor	Efficiency (%)
100%	0.81	91.0
75%	0.78	91.0
50%	0.67	91.0

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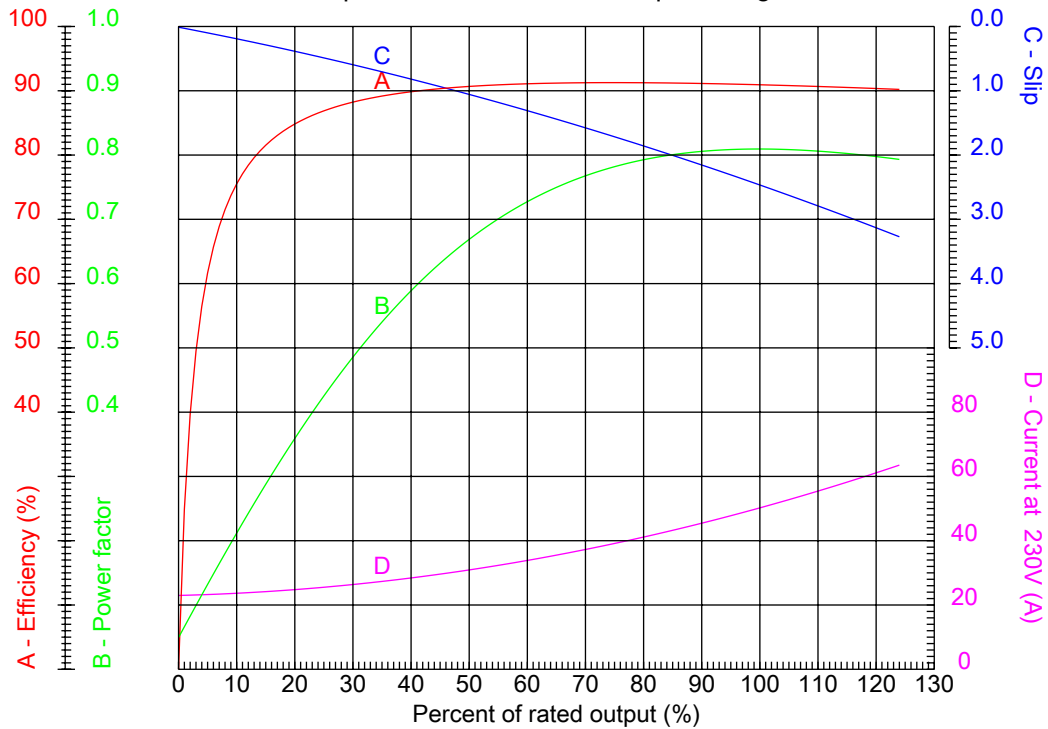
# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JP" Type - ODP - High Efficiency

Frame	: 254/6JP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 5.5
Output	: 20 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1755 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 190 %
Rated current	: 56.4-51.0/25.5 A	Breakdown torque	: 220 %
Insulation class	: F		

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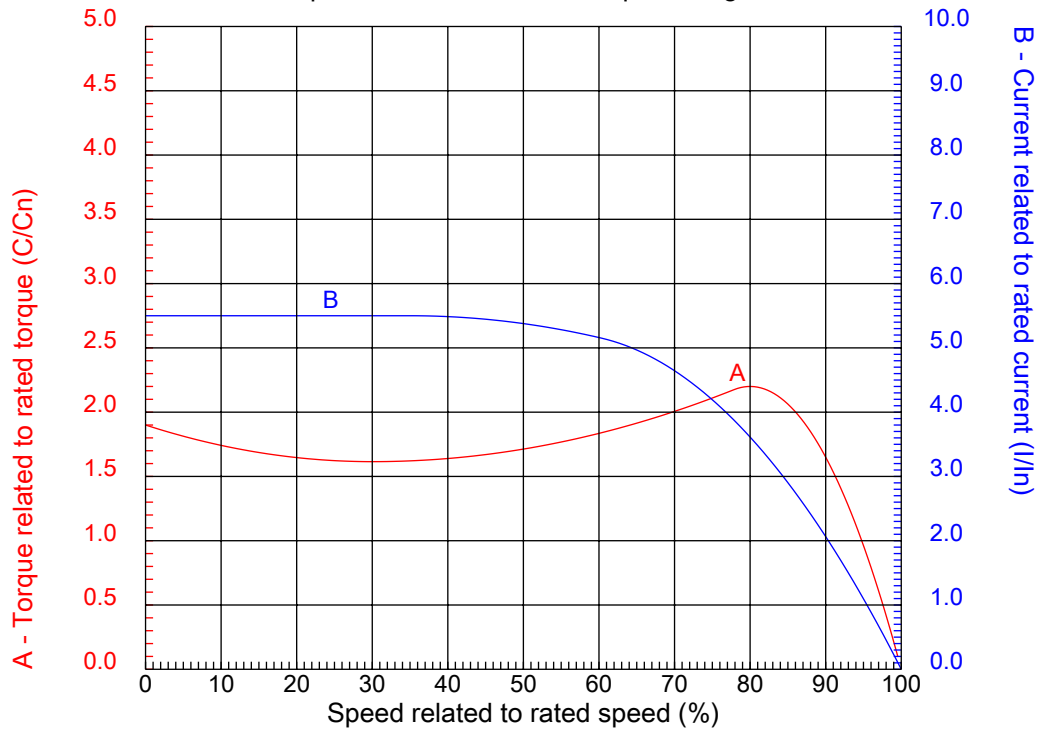
# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer	:	
Product line	:	Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JP" Type - ODP - High Efficiency

Frame	:	254/6JP	Locked rotor current (I/Ih)	:	5.5
Output	:	20 HP	Duty cycle	:	S1
Frequency	:	60 Hz	Service factor	:	1.15
Full load speed	:	1755 rpm	Design	:	B
Voltage	:	208-230/460 V	Locked rotor torque	:	190 %
Rated current	:	56.4-51.0/25.5 A	Breakdown torque	:	220 %
Insulation class	:	F			

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Performed by

Checked

1 2 3 4 5 6 7 8

A

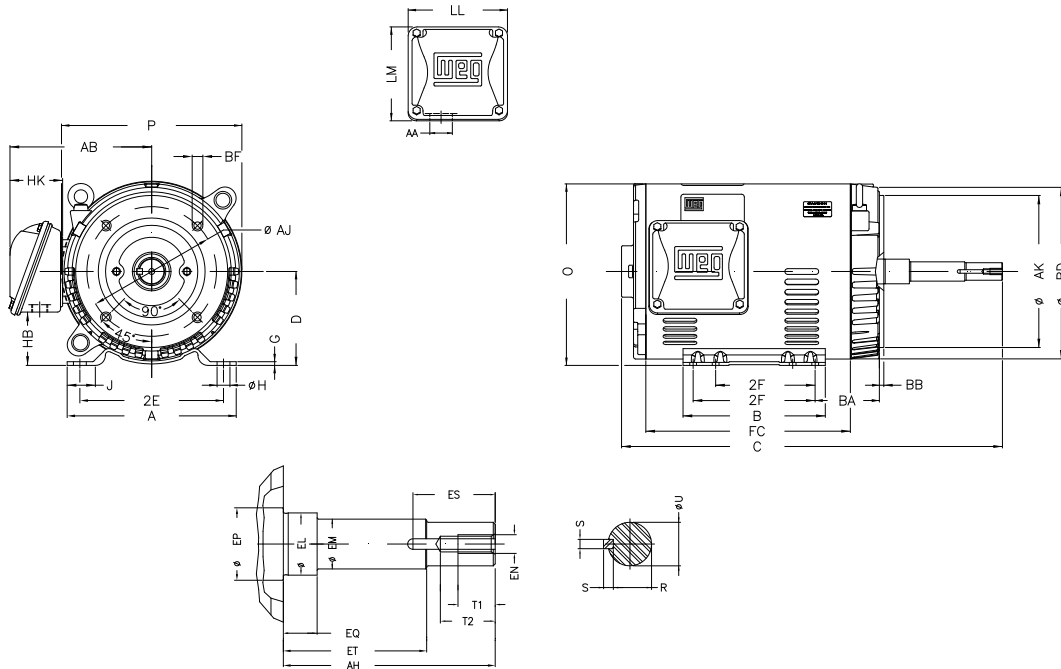
B

C

D

E

F



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2E 10.000	J 1.693	A 11.417	P 11.558	AB 9.448
2F 8.252/10.000	B 11.417	BA 4.750	D 6.250	G 0.187
O 12.010	T 0.019	H 0.530	AA 1.732"	ER 8.130
EQ 2.382	ET 5.886	U 1.249	EM 1.375	EL 1.750
EP 1.769	ES 2.559	t1 1.024	t2 1.496	C 24.843
CH 1.929	FC 12.992	Flange FC-184	AJ 7.250	AK 8.500
BD 11.084	BF UNC 1/2"x13	BB 0.250	AH 8.130	

Performed by:	
Checked:	
Customer:	
Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JP" Type - ODP - High	
Three-phase induction motor Frame 254/6JP - ODP	23-SEP-2016

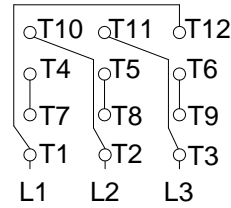
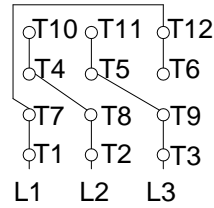


1 2 3 4 5 6 7 8

A  
B  
C  
D  
E  
F

LOW VOLTAGE

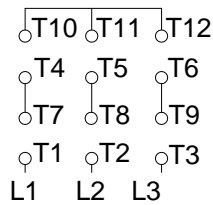
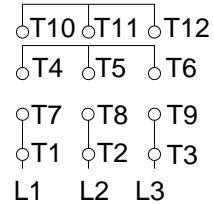
HIGH VOLTAGE



CONNECTIONS FOR STARTING ONLY:

LOW VOLTAGE

HIGH VOLTAGE



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Customer:

Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JP" Type - ODP - High

Three-phase induction motor  
Frame 254/6JP - IP21

23-SEP-2016

