



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : W01 (Rolled Steel) Close Coupled Pump TEFC - JP Type

Catalog Number : 01518ET3E254JP-SG

List Price : \$2,933

Notes:

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Generated for Model #01518ET3E254JP-SG

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# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

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

Customer :  
 Product line : W01 (Rolled Steel) Close Coupled Pump TEFC - JP Type

Frame : 254/6JP  
 Output : 15 HP  
 Frequency : 60 Hz  
 Poles : 4  
 Full load speed : 1770 rpm  
 Slip : 1.67 %  
 Voltage : 208-230/460 V  
 Rated current : 40.3-36.4/18.2 A  
 Locked rotor current : 240/120 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.6  
 No-load current : 17.3/8.65 A  
 Full load torque : 43.9 lb.ft  
 Locked rotor torque : 250 %  
 Breakdown torque : 300 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 19 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : IP55  
 Approximate weight : 197 lb  
 Moment of inertia : 2.1457 sq.ft.lb  
 Noise level : 68 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%	0.82	92.4
75%	0.76	92.4
50%	0.64	91.0

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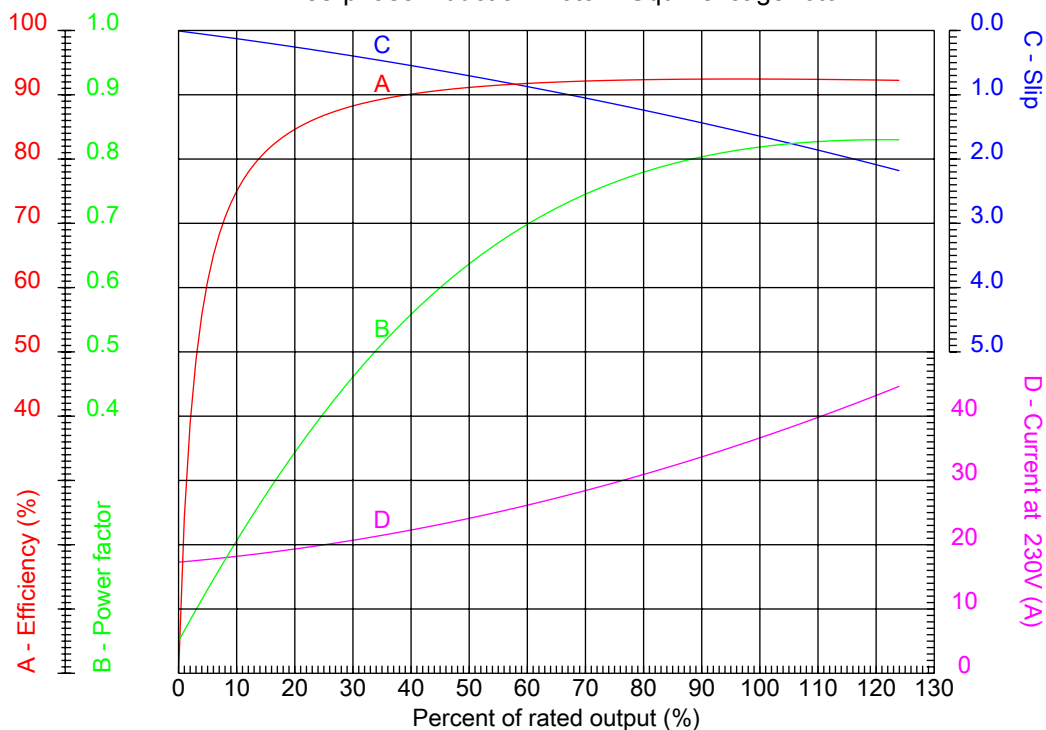
# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : W01 (Rolled Steel) Close Coupled Pump TEFC - JP Type

Frame	: 254/6JP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.6
Output	: 15 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1770 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 250 %
Rated current	: 40.3-36.4/18.2 A	Breakdown torque	: 300 %
Insulation class	: F		

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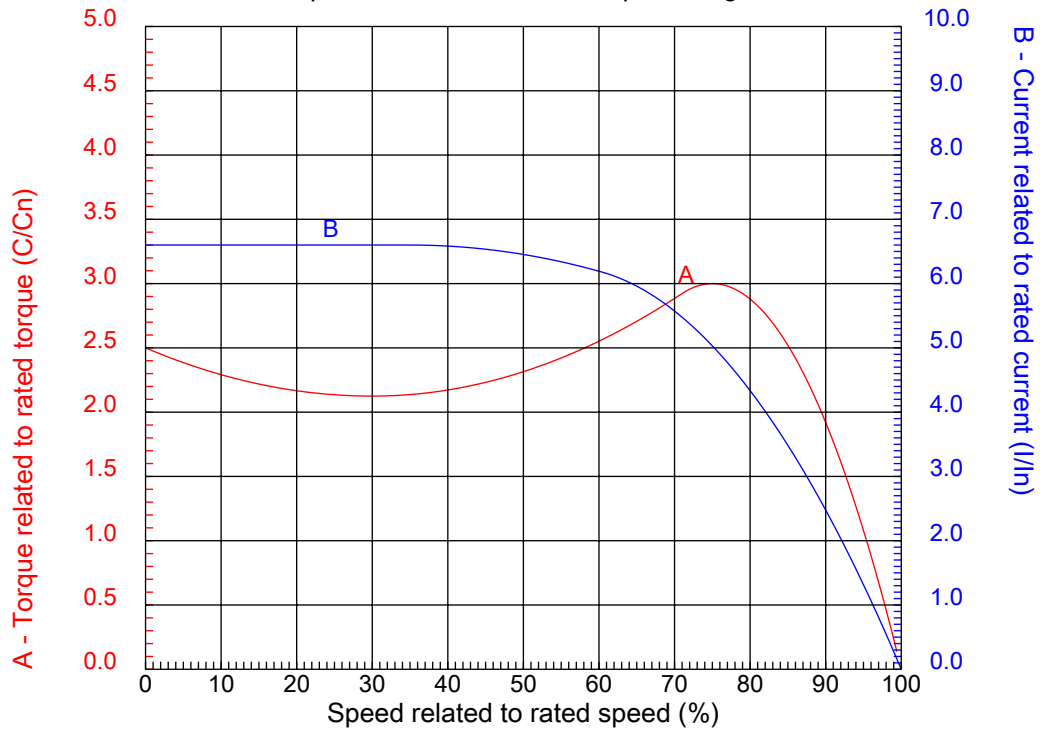
Performed by

Checked



## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : W01 (Rolled Steel) Close Coupled Pump TEFC - JP Type

Frame	: 254/6JP	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.6
Output	: 15 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 1770 rpm	Design	: B
Voltage	: 208-230/460 V	Locked rotor torque	: 250 %
Rated current	: 40.3-36.4/18.2 A	Breakdown torque	: 300 %
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 10.000	J 1.693	A 11.417	P 13.180	AB 9.448
2F 8.252/10.000	B 11.417	BA 4.750	D 6.250	G 0.187
O 12.010	T 0.830	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 26.929
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:

W01 (Rolled Steel) Close Coupled Pump TEFC - JP Type

Three-phase induction motor  
Frame 254/6JP - IP55

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:

W01 (Rolled Steel) Close Coupled Pump TEFC - JP Type

Three-phase induction motor  
Frame 254/6JP - IP55

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