



# Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

## TECHNICAL PROPOSAL

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

Product line : Jet Pump: Three-Phase - W01 (Rolled Steel) - Threaded - ODP - Standard  
Efficiency  
Catalog Number : 00136OS3EJP56J-S  
List Price : \$286

#### Notes:

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No.:

Date: 12-SEP-2016

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

Customer :  
 Product line : Jet Pump: Three-Phase - W01 (Rolled Steel) - Threaded - ODP - Standard  
 Efficiency

Frame : 56J  
 Output : 1 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3470 rpm  
 Slip : 3.61 %  
 Voltage : 208-230/460 V  
 Rated current : 3.40-3.08/1.54 A  
 Locked rotor current : 19.7/9.86 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.4  
 No-load current : 1.90/0.950 A  
 Full load torque : 1.49 lb.ft  
 Locked rotor torque : 220 %  
 Breakdown torque : 250 %  
 Design : A  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 23 s (hot)  
 Service factor : 1.40  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : ODP  
 Approximate weight : 20 lb  
 Moment of inertia : 0.05173 sq.ft.lb  
 Noise level : 62 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6203 ZZ	6202 ZZ	100%	0.81	75.5
Regreasing interval	---	---	75%	0.73	74.0
Grease amount	---	---	50%	0.60	70.0

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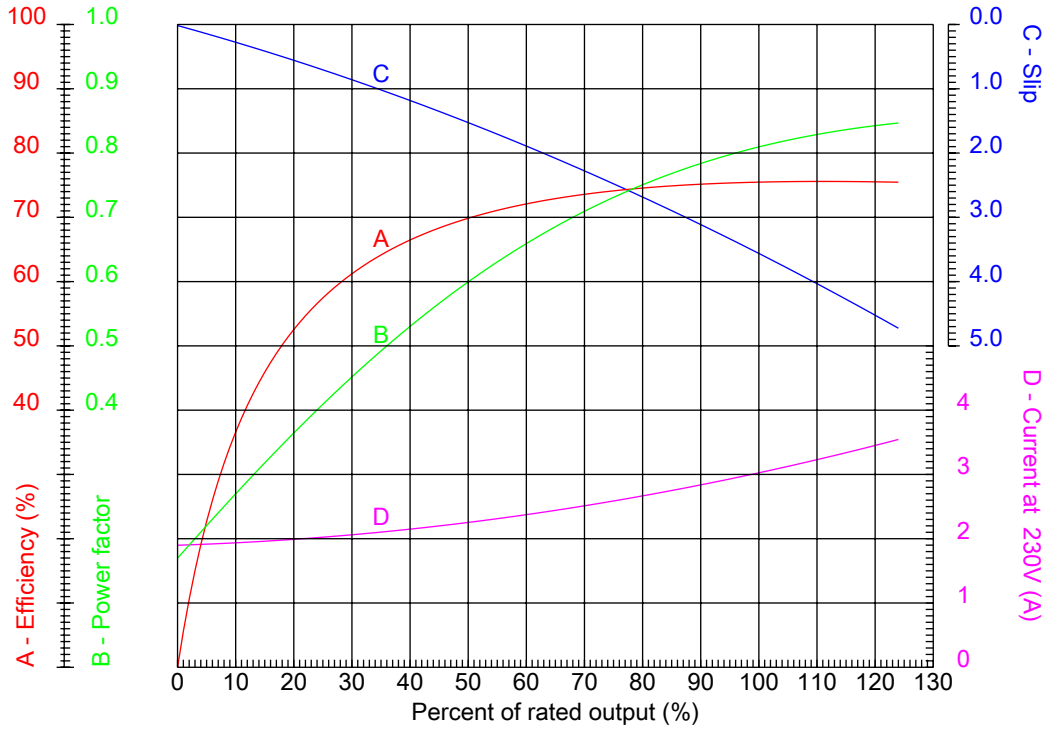
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
 Product line : Jet Pump: Three-Phase - W01 (Rolled Steel) - Threaded - ODP - Standard Efficiency

Frame : 56J	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> ) : 6.4
Output : 1 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.40
Full load speed : 3470 rpm	Design : A
Voltage : 208-230/460 V	Locked rotor torque : 220 %
Rated current : 3.40-3.08/1.54 A	Breakdown torque : 250 %
Insulation class : F	

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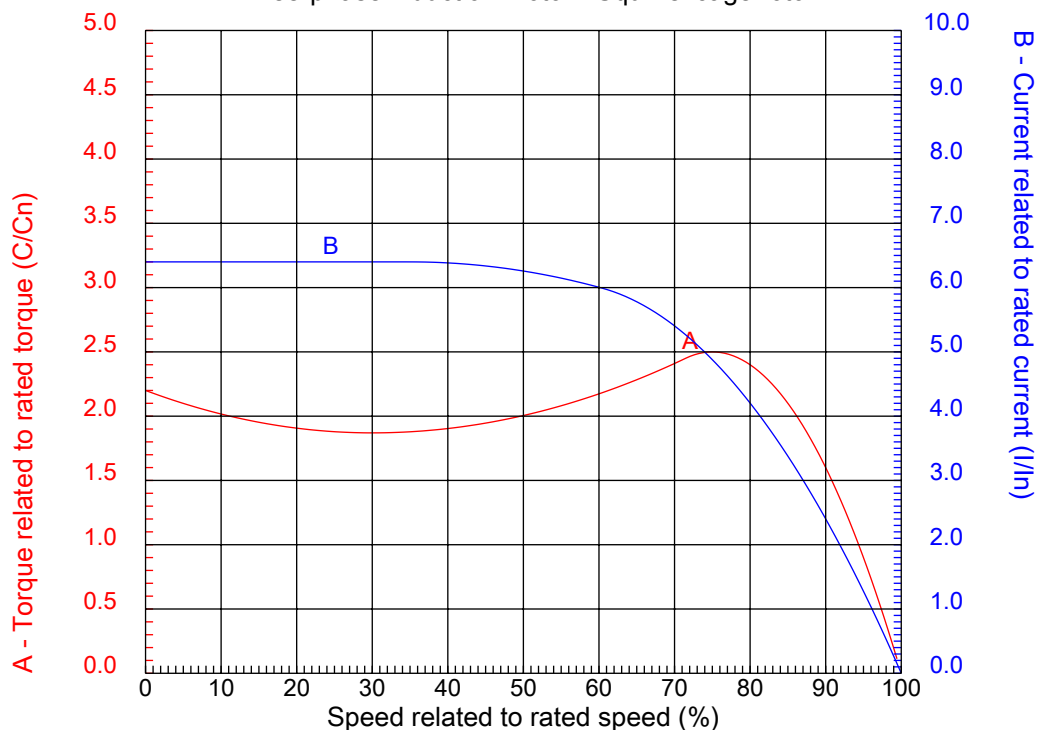
Performed by

Checked



## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : Jet Pump: Three-Phase - W01 (Rolled Steel) - Threaded - ODP - Standard Efficiency

Frame	: 56J	Locked rotor current (I <sub>l</sub> /I <sub>n</sub> )	: 6.4
Output	: 1 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.40
Full load speed	: 3470 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 220 %
Rated current	: 3.40-3.08/1.54 A	Breakdown torque	: 250 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

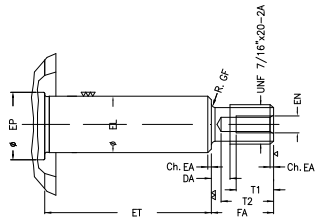
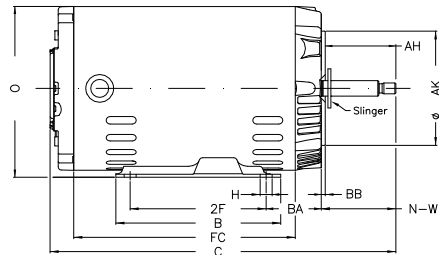
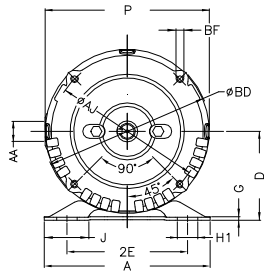
B

C

D

E

F



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Performed by:

Checked:

Customer:

Jet Pump: Three-Phase - W01 (Rolled Steel) - Threaded - ODP - Standard

Three-phase induction motor  
Frame 56J - ODP

12-SEP-2016



2E 4.874	J 1.732	A 6.535	P 6.456	AB 5.882
2F 3.000	B 4.016	BA 2.559	D 3.500	G 0.120
O 6.724	T 0.004	H 0.343	AA NPT 1/2"	ET 1.874
U 0.625	EL 0.625	EP 0.665	t1 0.472	t2 0.590
C 11.220	FC 6.693	Flange FC-149	AJ 5.874	AK 4.500
BD 6.450	BF UNC 3/8"x16-2B	BB 0.157	AH 2.562	