



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 : 00156OS3HJP56J-S  
List Price : \$296

Notes:

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Generated for Model #00156OS3HJP56J-S

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## 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 : 1.5 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3460 rpm  
 Slip : 3.89 %  
 Voltage : 575 V  
 Rated current : 1.69 A  
 Locked rotor current : 11.5 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.8  
 No-load current : 0.880 A  
 Full load torque : 2.25 lb.ft  
 Locked rotor torque : 220 %  
 Breakdown torque : 260 %  
 Design : A  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 17 s (hot)  
 Service factor : 1.30  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : ODP  
 Approximate weight : 23 lb  
 Moment of inertia : 0.06478 sq.ft.lb  
 Noise level : 62 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6203 ZZ	6202 ZZ	100%	0.85	77.0
Regreasing interval	---	---	75%	0.78	77.0
Grease amount	---	---	50%	0.65	74.0

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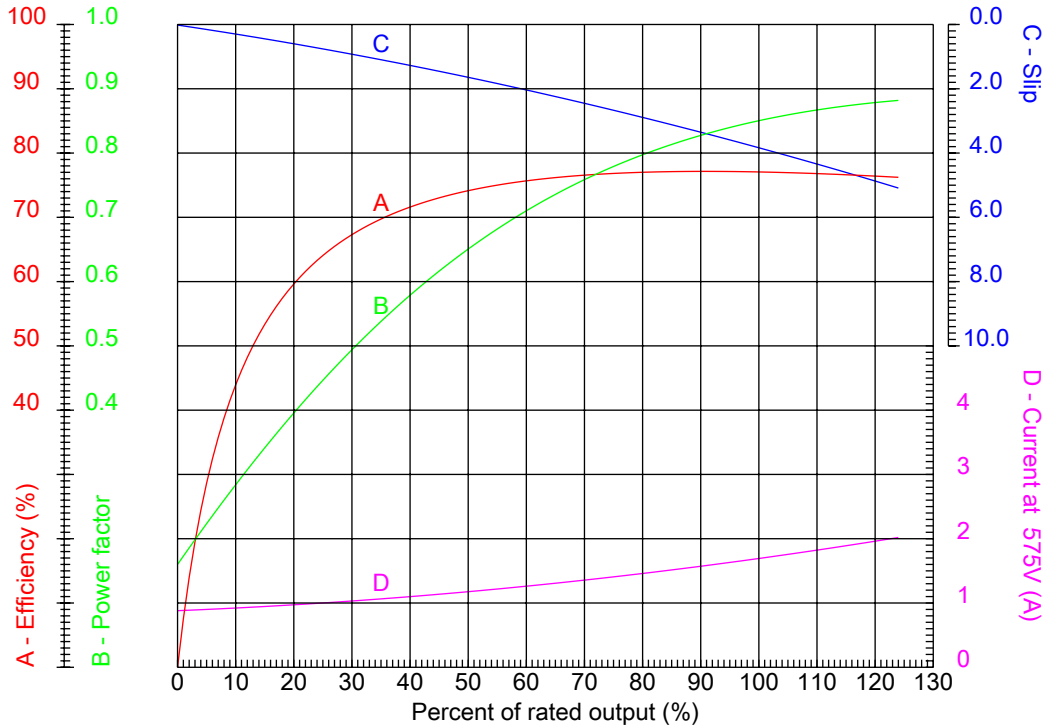
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

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> ) : 6.8
Output : 1.5 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.30
Full load speed : 3460 rpm	Design : A
Voltage : 575 V	Locked rotor torque : 220 %
Rated current : 1.69 A	Breakdown torque : 260 %
Insulation class : F	

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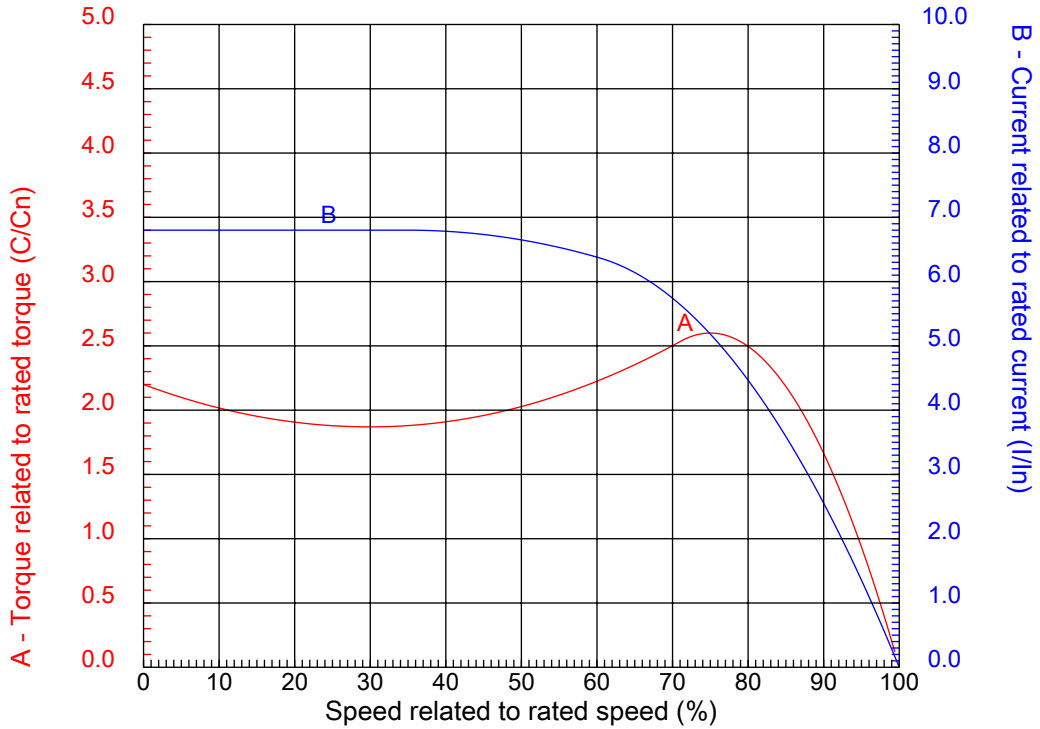
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Date: 12-SEP-2016

## 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> )	:	6.8
Output	:	1.5 HP	Duty cycle	:	S1
Frequency	:	60 Hz	Service factor	:	1.30
Full load speed	:	3460 rpm	Design	:	A
Voltage	:	575 V	Locked rotor torque	:	220 %
Rated current	:	1.69 A	Breakdown torque	:	260 %
Insulation class	:	F			

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1 2 3 4 5 6 7 8

A

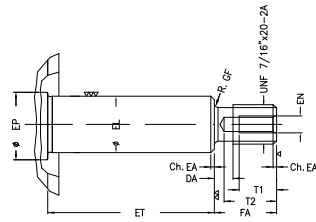
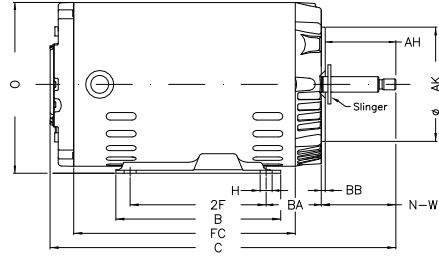
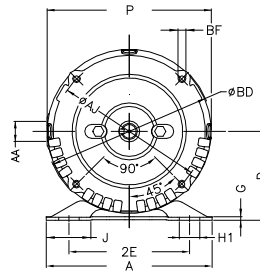
B

C

D

E

F



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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 11.614	FC 7.087	Flange FC-149	AJ 5.874	AK 4.500
BD 6.450	BF UNC 3/8"x16-2B	BB 0.157	AH 2.562	