



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 : .5036OS3EJPR56J-S
List Price : \$241

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 : 0.5 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3495 rpm
 Slip : 2.92 %
 Voltage : 208-230/460 V
 Rated current : 1.98-1.79/0.897 A
 Locked rotor current : 11.1/5.56 A
 Locked rotor current (I_L/I_n) : 6.2
 No-load current : 1.30/0.650 A
 Full load torque : 0.741 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 290 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 33 s (hot)
 Service factor : 1.60
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : ODP
 Approximate weight : 17 lb
 Moment of inertia : 0.03892 sq.ft.lb
 Noise level : 62 dB(A)

	D.E.	N.D.E.	Load	Power factor	Efficiency (%)
Bearings	6203 ZZ	6202 ZZ	100%	0.74	70.0
Regreasing interval	---	---	75%	0.65	66.0
Grease amount	---	---	50%	0.52	59.5

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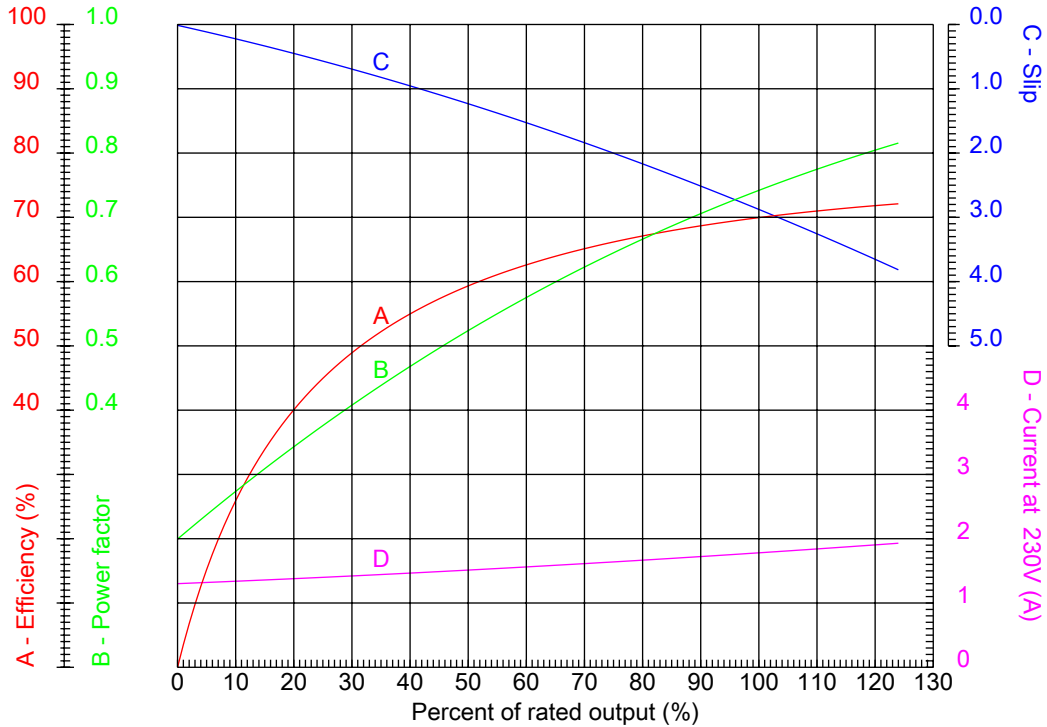
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

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 _l /I _n) : 6.2
Output : 0.5 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.60
Full load speed : 3495 rpm	Design : A
Voltage : 208-230/460 V	Locked rotor torque : 230 %
Rated current : 1.98-1.79/0.897 A	Breakdown torque : 290 %
Insulation class : F	

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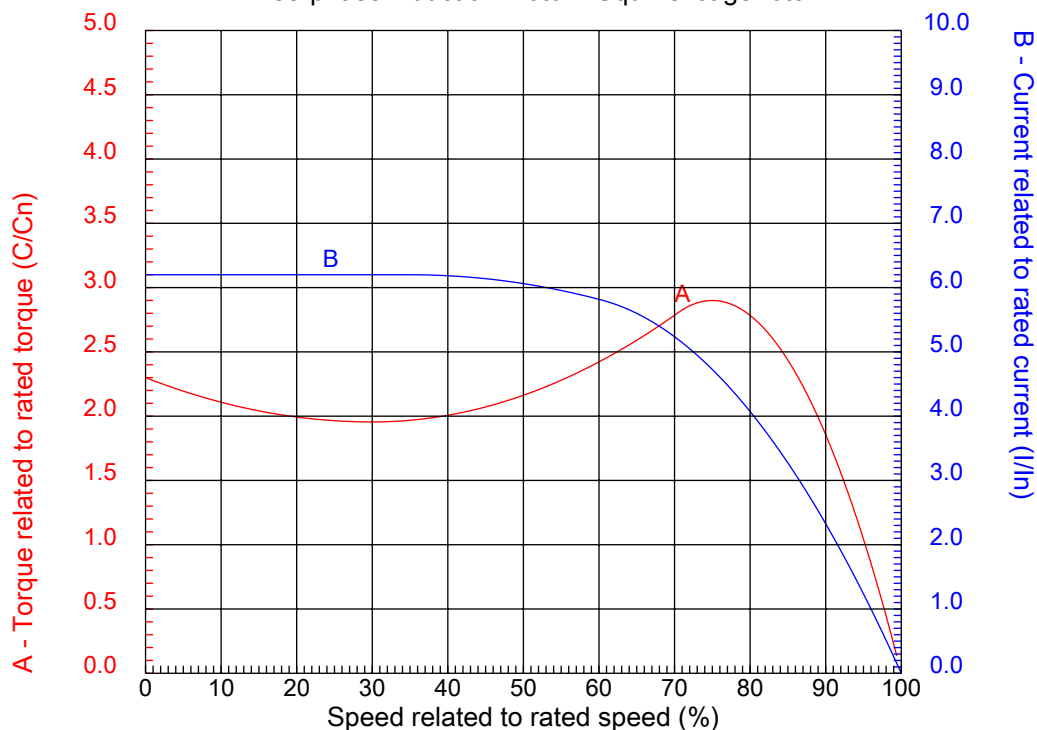
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CHARACTERISTIC CURVES RELATED TO SPEED

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 _l /I _n)	: 6.2
Output	: 0.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.60
Full load speed	: 3495 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 230 %
Rated current	: 1.98-1.79/0.897 A	Breakdown torque	: 290 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

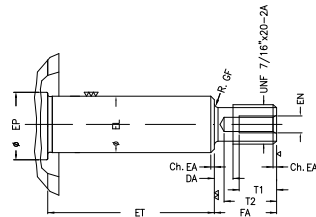
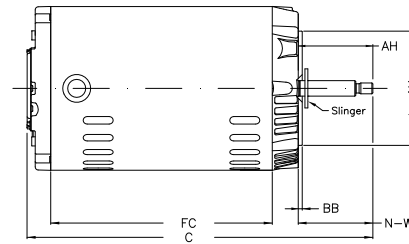
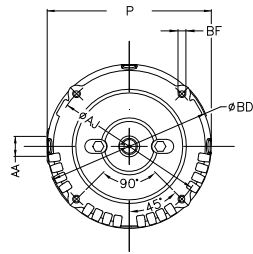
B

C

D

E

F



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Checked:

Customer:

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

Three-phase induction motor
Frame 56J - ODP

12-SEP-2016



P 6.456	AB 5.882	AA NPT 1/2"	ET 1.874	U 0.625
EL 0.625	EP 0.665	t1 0.472	t2 0.590	C 10.827
FC 6.299	Flange FC-149	AJ 5.874	AK 4.500	BD 6.450
BF UNC 3/8"x16-2B	BB 0.157	AH 2.562		