



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Jet Pump - NEMA 56 : Three-Phase - Threaded - ODP (IP21)

Catalog Number : .5036OS3EJP56J

List Price : \$236

Notes:

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Jet Pump - NEMA 56 : Three-Phase - Threaded - ODP (IP21)

Frame : A56
 Output : 0.5 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3480 rpm
 Slip : 3.33 %
 Voltage : 208-230/460 V
 Rated current : 1.90-1.91/0.957 A
 Locked rotor current : 11.5/5.74 A
 Locked rotor current (I_L/I_n) : 6.0
 No-load current : 1.39/0.693 A
 Full load torque : 0.744 lb.ft
 Locked rotor torque : 250 %
 Breakdown torque : 300 %
 Design : A
 Insulation class : B
 Temperature rise : 80 K
 Locked rotor time : 15 s (hot)
 Service factor : 1.60 (1.00 at 208V)
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP21
 Approximate weight : 25 lb
 Moment of inertia : 0.01946 sq.ft.lb
 Noise level : ---

	D.E.	N.D.E.
Bearings	6203 2RS	6202 2RS
Regreasing interval	---	---
Grease amount	---	---

Load	Power factor	Efficiency (%)
100%	0.77	66.0
75%	0.68	62.5
50%	0.57	55.0

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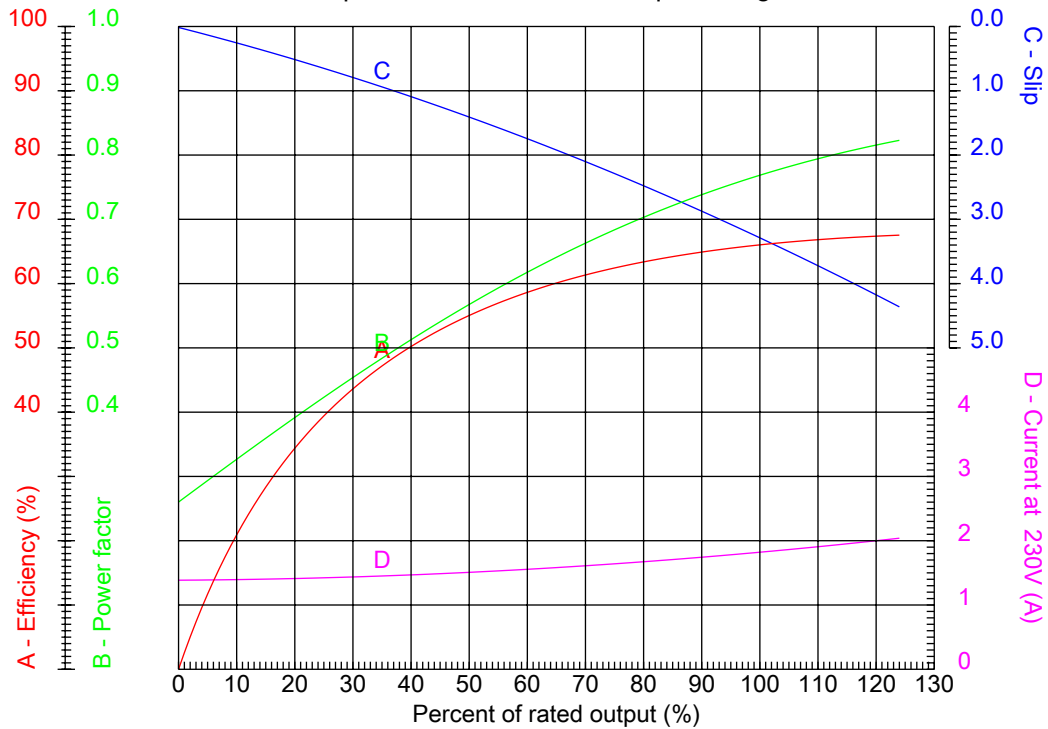
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Jet Pump - NEMA 56 : Three-Phase - Threaded - ODP (IP21)

Frame : A56	Locked rotor current (I _l /I _n) : 6.0
Output : 0.5 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.60 (1.00 at 208V)
Full load speed : 3480 rpm	Design : A
Voltage : 208-230/460 V	Locked rotor torque : 250 %
Rated current : 1.90-1.91/0.957 A	Breakdown torque : 300 %
Insulation class : B	

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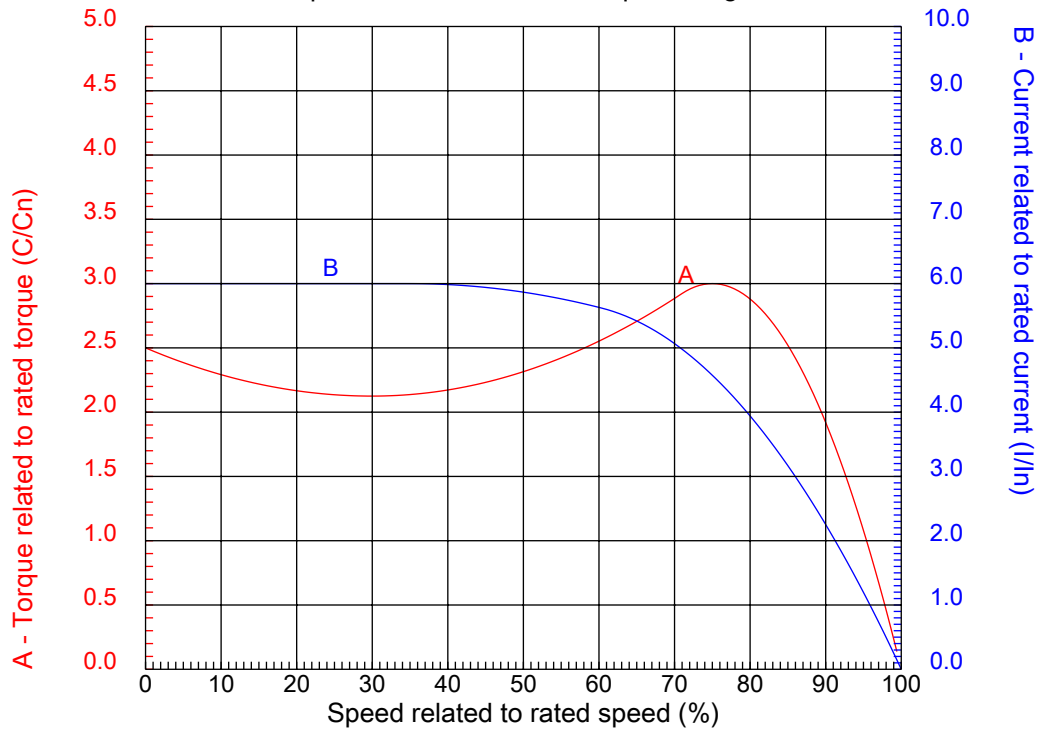
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Jet Pump - NEMA 56 : Three-Phase - Threaded - ODP (IP21)

Frame	: A56	Locked rotor current (I/I _n)	: 6.0
Output	: 0.5 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.60 (1.00 at 208V)
Full load speed	: 3480 rpm	Design	: A
Voltage	: 208-230/460 V	Locked rotor torque	: 250 %
Rated current	: 1.90-1.91/0.957 A	Breakdown torque	: 300 %
Insulation class	: B		

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1 2 3 4 5 6 7 8

A

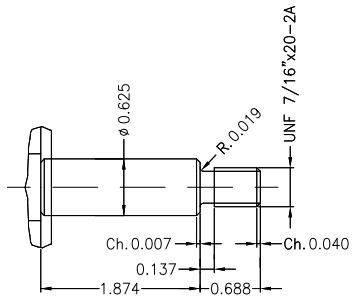
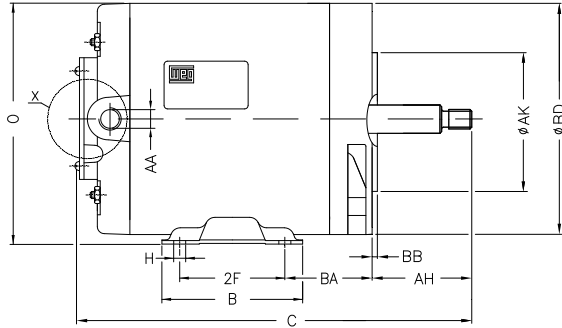
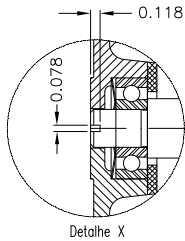
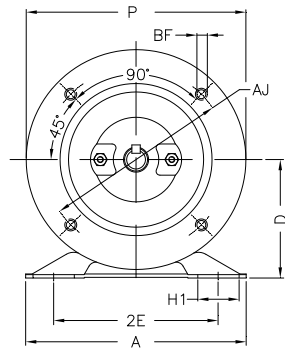
B

C

D

E

F



THREE-PHASE, FORM J, WITH INTERNAL THREAD OF 1/4x28 UNF AT SHAFT-END, FOR CLAMPING THE PUMP ROTOR.

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Customer:

Jet Pump - NEMA 56 : Three-Phase - Threaded - ODP (IP21)

Three-phase induction motor
Frame A56 - IP21

12-SEP-2016



2E 4.874	2F 3.000	BA 2.748	A 6.535	B 4.016
C 11.004	D 3.500	G 0.120	O 6.378	P 6.496
N-W 1.874	U 0.625	AA NPT 1/2"	Flange FC-149	AJ 5.874
AK 4.500	BD 6.535	BF UNC 3/8"x16	BB 0.157	AH 2.563

1 2 3 4 5 6 7 8

A

LOW VOLTAGE

HIGH VOLTAGE

B



C



D

E

F

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Three-phase induction motor
 Frame A56 - IP21

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