



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) - TEFC - Threaded - Premium
Efficiency
Catalog Number : 00336ET3HJP56J-S
List Price : \$164

Notes:
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No.:

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

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

Frame : 56HJ
 Output : 3 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3500 rpm
 Slip : 2.78 %
 Voltage : 575 V
 Rated current : 2.81 A
 Locked rotor current : 26.7 A
 Locked rotor current (I_L/I_n) : 9.5
 No-load current : 1.02 A
 Full load torque : 4.44 lb.ft
 Locked rotor torque : 300 %
 Breakdown torque : 380 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 10 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 48 lb
 Moment of inertia : 0.16635 sq.ft.lb
 Noise level : 68 dB(A)

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

Load	Power factor	Efficiency (%)
100%	0.91	86.5
75%	0.87	86.5
50%	0.78	84.0

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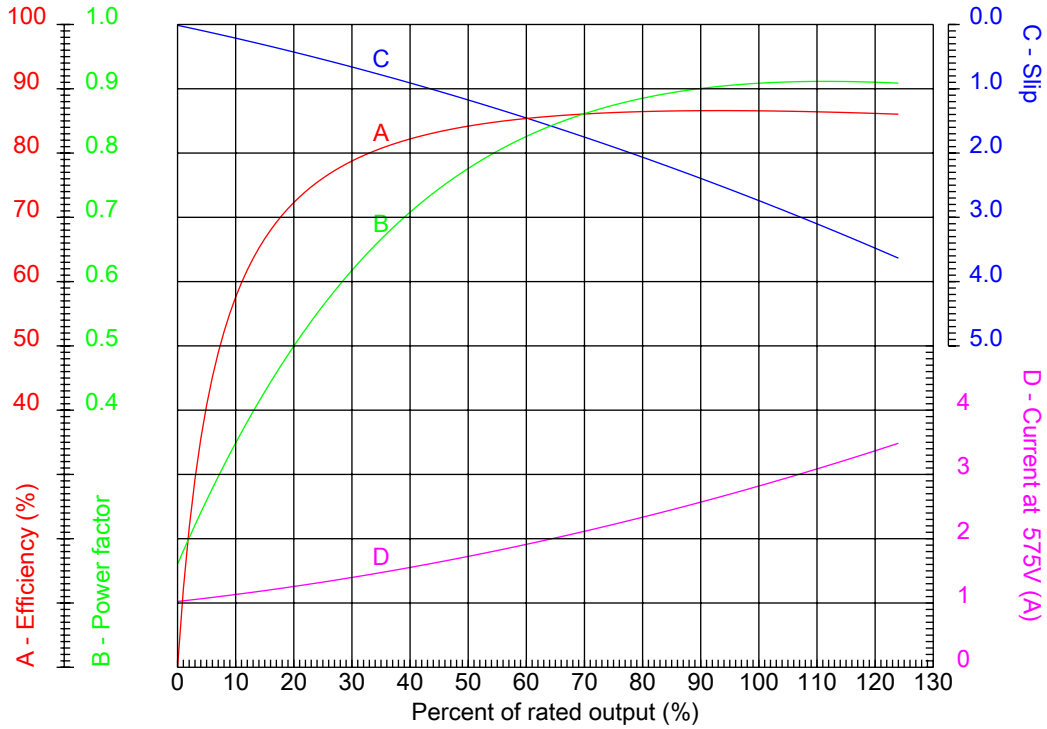
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

Frame : 56HJ	Locked rotor current (I _L /I _n) : 9.5
Output : 3 HP	Duty cycle : S1
Frequency : 60 Hz	Service factor : 1.15
Full load speed : 3500 rpm	Design : B
Voltage : 575 V	Locked rotor torque : 300 %
Rated current : 2.81 A	Breakdown torque : 380 %
Insulation class : F	

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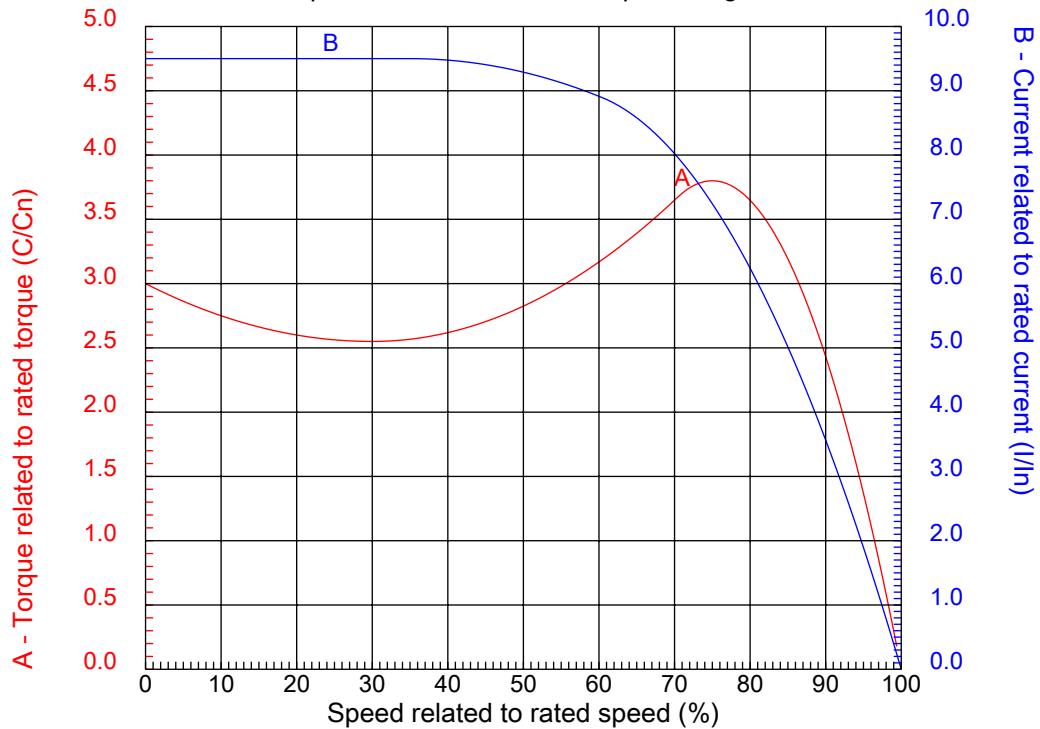
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

Frame	: 56HJ	Locked rotor current (I _l /I _n)	: 9.5
Output	: 3 HP	Duty cycle	: S1
Frequency	: 60 Hz	Service factor	: 1.15
Full load speed	: 3500 rpm	Design	: B
Voltage	: 575 V	Locked rotor torque	: 300 %
Rated current	: 2.81 A	Breakdown torque	: 380 %
Insulation class	: F		

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1 2 3 4 5 6 7 8

A

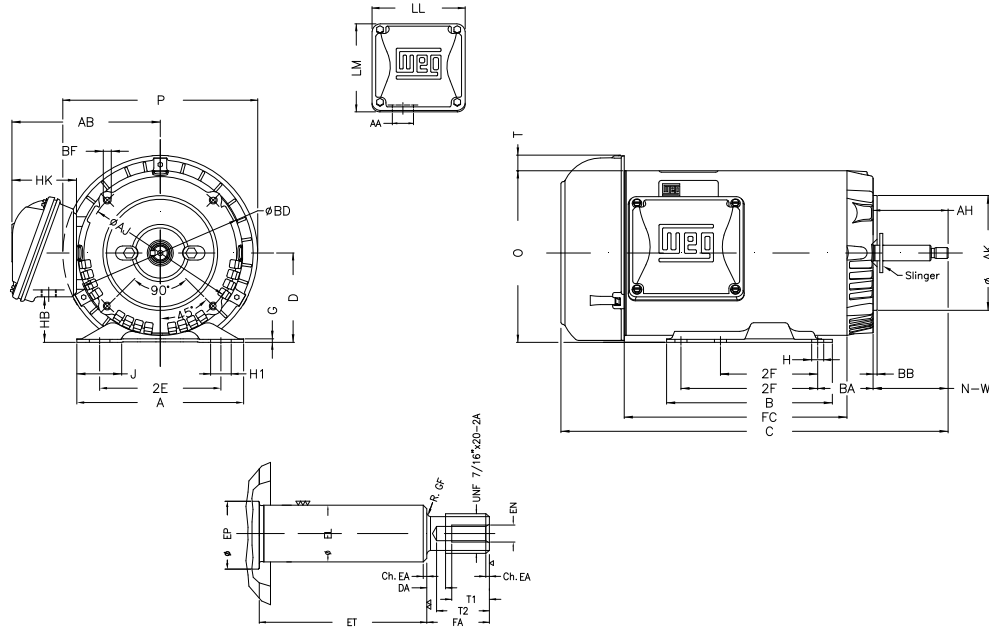
B

C

D

E

F



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Customer:

Jet Pump: Three-Phase - W01 (Rolled Steel) - TEFC - Threaded - Premium

Three-phase induction motor
Frame 56HJ - IP55

12-SEP-2016



2E 4.874	J 1.732	A 6.535	P 7.638	AB 5.882
2F 3.000/5.000	B 6.496	BA 2.559	D 3.500	G 0.120
O 6.724	T 0.603	H 0.343	AA 0.881"	ET 1.874
U 0.625	EL 0.625	EP 0.665	t1 0.472	t2 0.590
C 15.583	FC 9.449	Flange FC-149	AJ 5.874	AK 4.500
BD 6.450	BF UNC 3/8"x16-2B	BB 0.157	AH 2.562	