



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 - TEFC - Standard
Efficiency
Catalog Number : .7536ES3EJP56J-S
List Price : \$301

Notes:

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Dealers Industrial Equipment

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 - TEFC - Standard Efficiency

Frame : 56J
 Output : 0.75 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3475 rpm
 Slip : 3.47 %
 Voltage : 208-230/460 V
 Rated current : 2.50-2.26/1.13 A
 Locked rotor current : 15.8/7.91 A
 Locked rotor current (I_L/I_n) : 7.0
 No-load current : 1.10/0.550 A
 Full load torque : 1.12 lb.ft
 Locked rotor torque : 250 %
 Breakdown torque : 290 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 23 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 20 lb
 Moment of inertia : 0.05173 sq.ft.lb
 Noise level : 68 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings | 6203 ZZ | 6202 ZZ | 100% | 0.85 | 72.0 |
| Regreasing interval | --- | --- | 75% | 0.79 | 68.0 |
| Grease amount | --- | --- | 50% | 0.70 | 62.0 |

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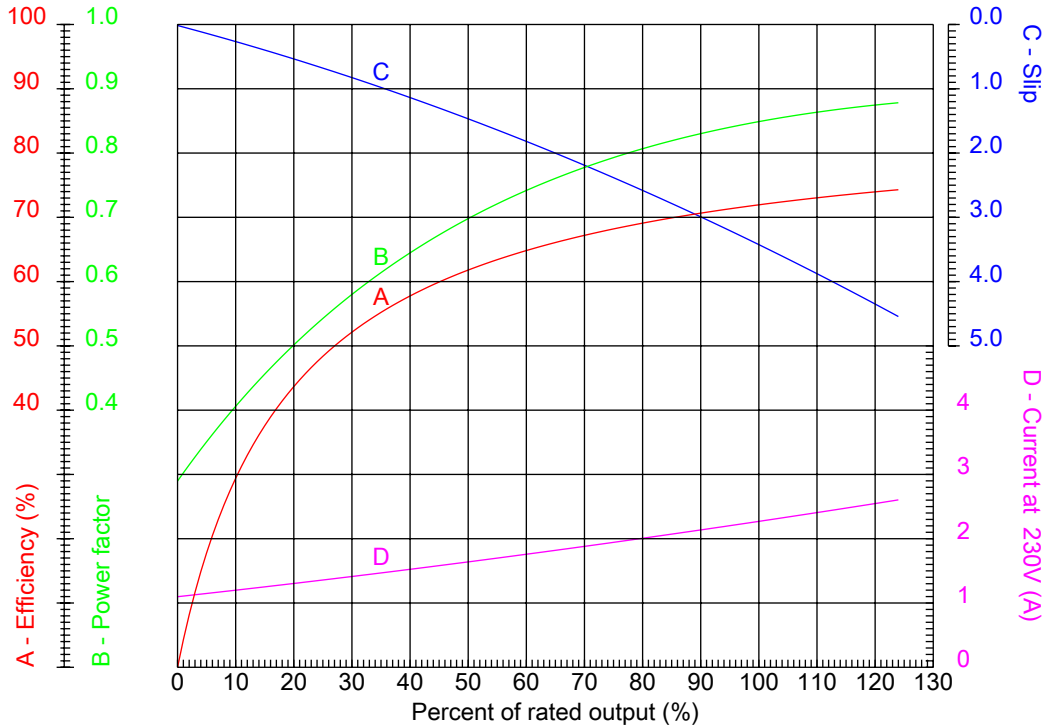
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

| | |
|----------------------------------|--|
| Frame : 56J | Locked rotor current (I _l /I _n) : 7.0 |
| Output : 0.75 HP | Duty cycle : S1 |
| Frequency : 60 Hz | Service factor : 1.15 |
| Full load speed : 3475 rpm | Design : A |
| Voltage : 208-230/460 V | Locked rotor torque : 250 % |
| Rated current : 2.50-2.26/1.13 A | Breakdown torque : 290 % |
| Insulation class : F | |

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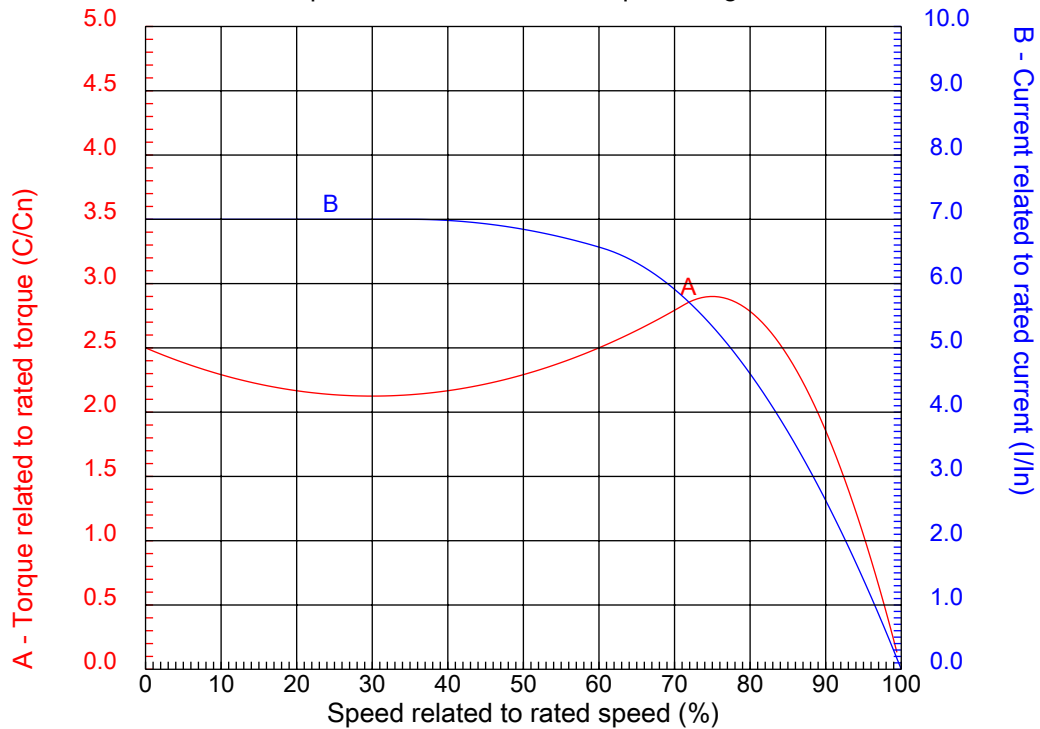
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No.:

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 - TEFC - Standard Efficiency

| | | | |
|------------------|--------------------|--|---------|
| Frame | : 56J | Locked rotor current (I _l /I _n) | : 7.0 |
| Output | : 0.75 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.15 |
| Full load speed | : 3475 rpm | Design | : A |
| Voltage | : 208-230/460 V | Locked rotor torque | : 250 % |
| Rated current | : 2.50-2.26/1.13 A | Breakdown torque | : 290 % |
| Insulation class | : F | | |

Notes:
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1 2 3 4 5 6 7 8

A

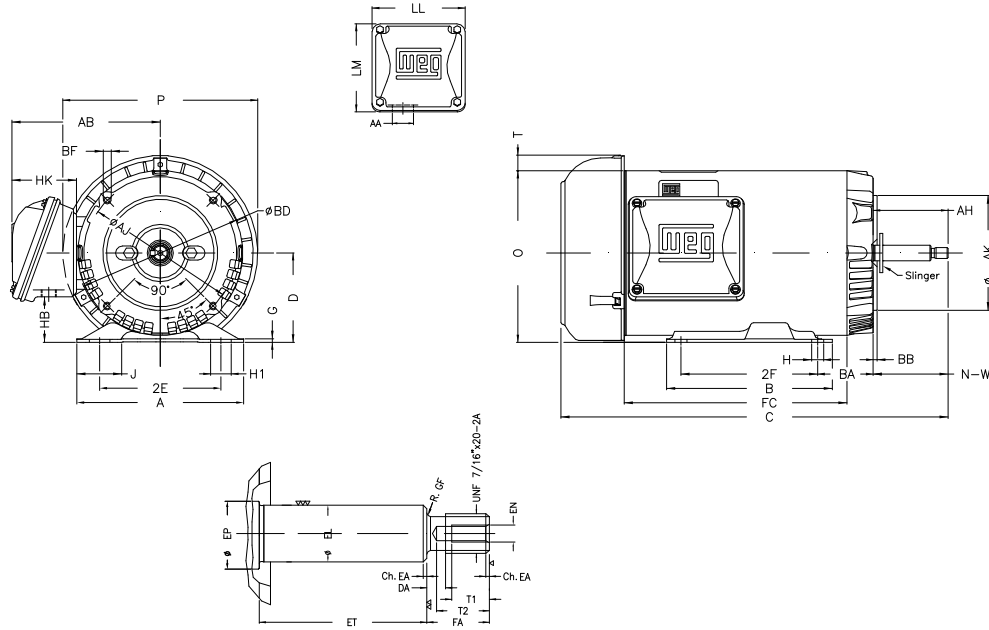
B

C

D

E

F



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Performed by:

Checked:

Customer:

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

Three-phase induction motor
Frame 56J - IP55

12-SEP-2016



| | | | | |
|-------------|----------------------|------------------|--------------|-------------|
| 2E 4.874 | J 1.732 | A 6.535 | P 7.638 | AB 5.882 |
| 2F 3.000 | B 4.016 | 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 12.047 | FC 5.906 | Flange FC-149 | AJ 5.874 | AK 4.500 |
| BD 6.450 | BF UNC 3/8"x16-2B | BB 0.157 | AH 2.562 | |