



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Single-phase induction motor - Squirrel cage rotor

Product line : Single Phase: W01 (Rolled Steel) - TEFC - Standard Efficiency

Catalog Number : .7536ES1B56C-S

List Price : \$353

Notes:

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DATA SHEET Single-phase induction motor - Squirrel cage rotor

Customer :
Product line : Single Phase: W01 (Rolled Steel) - TEFC - Standard Efficiency

Frame : 56
Output : 0.75 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3500 rpm
Slip : 2.78 %
Voltage : 115/208-230 V
Rated current : 8.00/4.42-4.00 A
Locked rotor current : 64.0/32.0 A
Locked rotor current (I_L/I_n) : 8.0
No-load current : 4.00/2.00 A
Full load torque : 1.11 lb.ft
Locked rotor torque : 280 %
Breakdown torque : 290 %
Design : ---
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 : 26 lb
Moment of inertia : 0.03939 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 | 66.0 |
| 75% | 0.87 | 62.0 |
| 50% | 0.81 | 52.0 |

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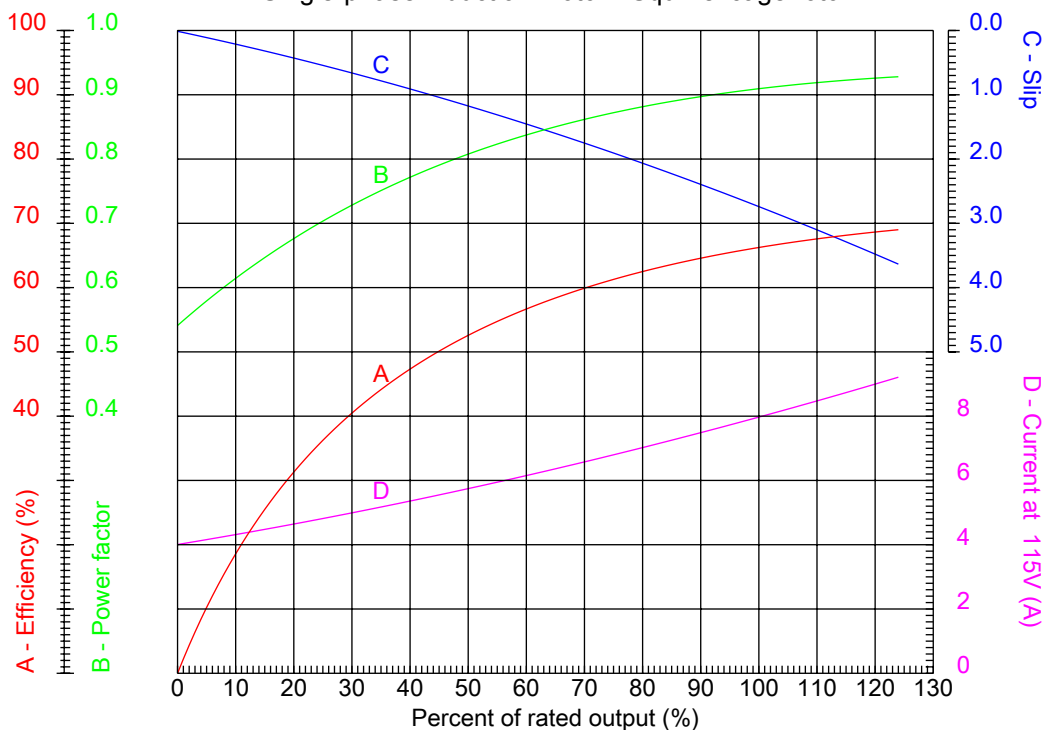
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Single-phase induction motor - Squirrel cage rotor



Customer :
 Product line : Single Phase: W01 (Rolled Steel) - TEFC - Standard Efficiency

| | | | |
|------------------|--------------------|--|---------|
| Frame | : 56 | Locked rotor current (I _l /I _n) | : 8.0 |
| Output | : 0.75 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.15 |
| Full load speed | : 3500 rpm | Design | : --- |
| Voltage | : 115/208-230 V | Locked rotor torque | : 280 % |
| Rated current | : 8.00/4.42-4.00 A | Breakdown torque | : 290 % |
| Insulation class | : F | | |

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1 2 3 4 5 6 7 8

A

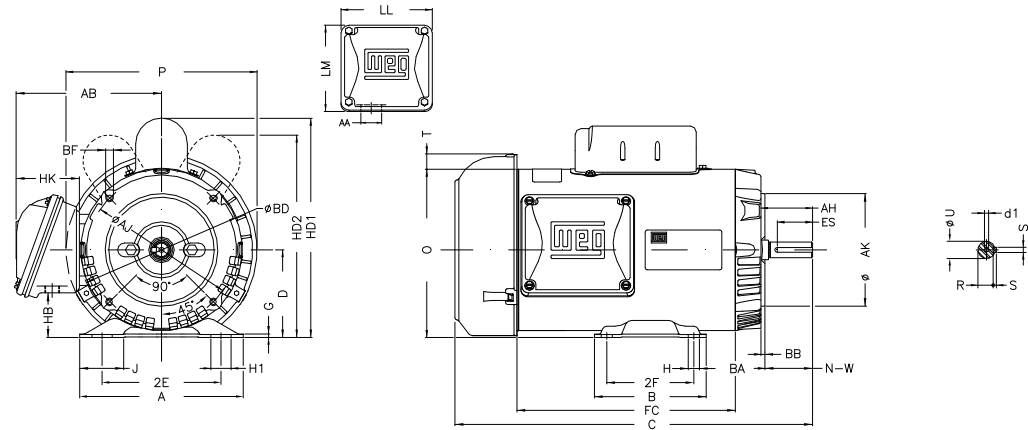
B

C

D

E

F



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Customer:

Single Phase: W01 (Rolled Steel) - TEFC - Standard Efficiency

| | | | | |
|--------|--------|-------|--------|----------------|
| P | AB | J | 2E | A |
| 7.638 | 5.882 | 1.732 | 4.874 | 6.535 |
| H | G | HB | HK | XO |
| 0.343 | 0.120 | 1.783 | 2.638 | 0.603 |
| O | FC | 2F | B | C |
| 6.724 | 7.086 | 3.000 | 4.016 | 12.721 |
| BA | N-W | ES | d1 | S |
| 2.750 | 1.874 | 1.417 | A 3,15 | 0.187 |
| U | AA | depth | R | LL |
| 0.625 | 0.881" | 0.187 | 0.517 | 4.543 |
| LM | D | CH | HD2 | HC2 |
| 4.106 | 3.500 | 1.377 | 8.150 | 4.650 |
| Flange | AJ | AK | BD | BF |
| FC-149 | 5.874 | 4.500 | 6.450 | UNC 3/8"x16-2B |
| BB | AH | | | |
| 0.157 | 2.062 | | | |

Single-phase induction motor
Frame 56 - IP55

12-SEP-2016

