



Dealers Industrial Equipment

No.:

Date: 12-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Three Phase: W01 (Rolled Steel) - ODP - Standard Efficiency

Catalog Number : .7536OS3E56C-S

List Price : \$283

Notes:

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three Phase: W01 (Rolled Steel) - ODP - Standard Efficiency

Frame : 56
 Output : 0.75 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3480 rpm
 Slip : 3.33 %
 Voltage : 208-230/460 V
 Rated current : 2.79-2.52/1.26 A
 Locked rotor current : 15.6/7.81 A
 Locked rotor current (I_L/I_n) : 6.2
 No-load current : 1.60/0.800 A
 Full load torque : 1.12 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 260 %
 Design : A
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 31 s (hot)
 Service factor : 1.25
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : ODP
 Approximate weight : 18 lb
 Moment of inertia : 0.04532 sq.ft.lb
 Noise level : 62 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings | 6203 ZZ | 6202 ZZ | 100% | 0.76 | 72.0 |
| Regreasing interval | --- | --- | 75% | 0.67 | 70.0 |
| Grease amount | --- | --- | 50% | 0.53 | 64.0 |

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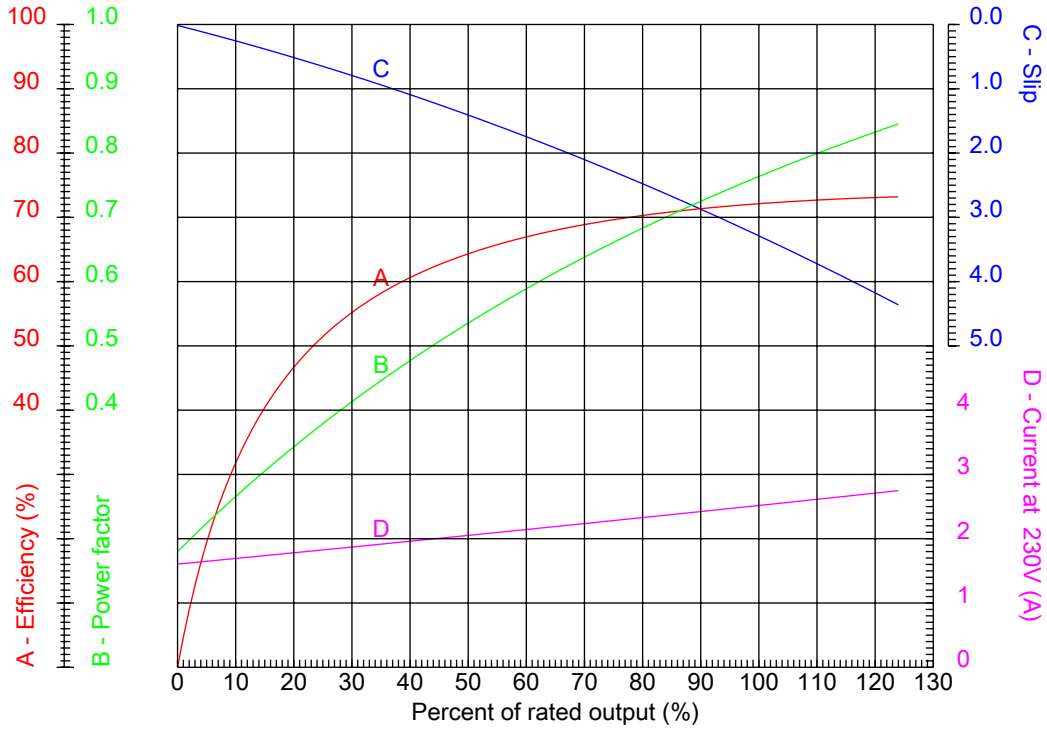
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
 Product line : Three Phase: W01 (Rolled Steel) - ODP - Standard Efficiency

| | | | |
|------------------|--------------------|--|---------|
| Frame | : 56 | Locked rotor current (I _l /I _n) | : 6.2 |
| Output | : 0.75 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.25 |
| Full load speed | : 3480 rpm | Design | : A |
| Voltage | : 208-230/460 V | Locked rotor torque | : 230 % |
| Rated current | : 2.79-2.52/1.26 A | Breakdown torque | : 260 % |
| Insulation class | : F | | |

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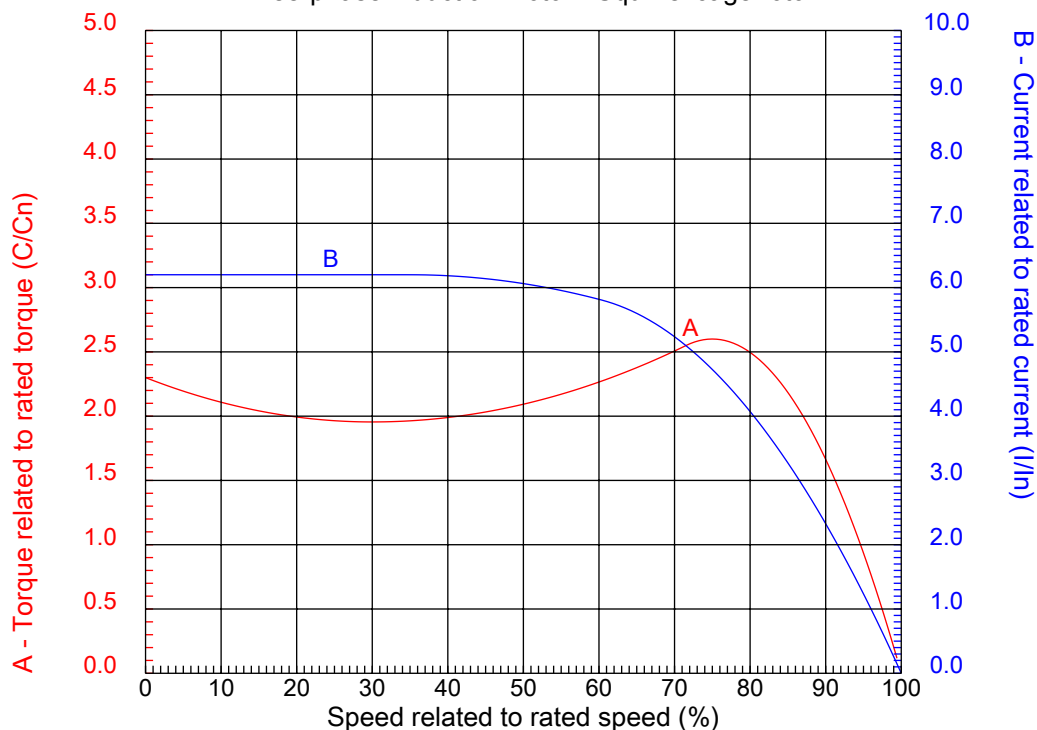
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



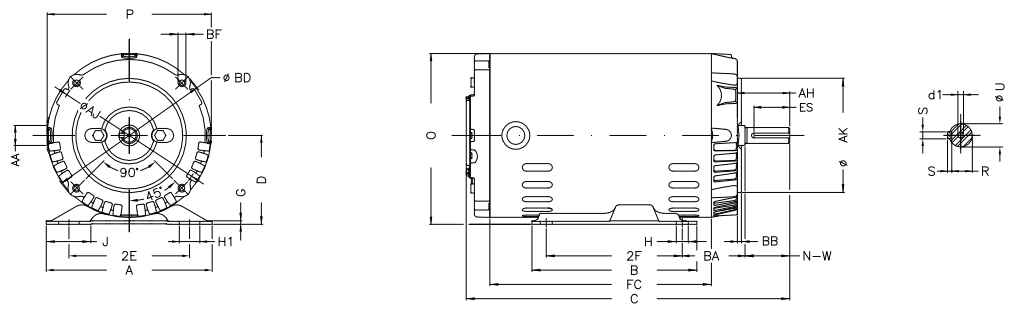
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Product line : Three Phase: W01 (Rolled Steel) - ODP - Standard Efficiency

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| Voltage | : 208-230/460 V | Locked rotor torque | : 230 % |
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| | | | | |
|-------|----------------|--------|--------|--------|
| P | AB | J | 2E | A |
| 6.456 | 3.323 | 1.732 | 4.874 | 6.535 |
| H | G | HB | HK | T |
| 0.343 | 0.120 | 1.784 | 2.629 | 0.004 |
| O | FC | 2F | B | C |
| 6.724 | 6.693 | 3.000 | 4.016 | 10.709 |
| BA | N-W | ES | d1 | S |
| 2.750 | 1.874 | 1.417 | A 3.15 | 0.187 |
| U | AA | depth | R | LL |
| 0.625 | NPT 1/2" | 0.187 | 0.517 | 4.563 |
| LM | D | Flange | AJ | AK |
| 4.090 | 3.500 | FC-149 | 5.874 | 4.500 |
| BD | BF | BB | AH | |
| 6.450 | UNC 3/8"x16-2B | 0.157 | 2.062 | |

| | |
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| Customer: | Three Phase: W01 (Rolled Steel) - ODP - Standard Efficiency |
| Three-phase induction motor Frame 56 - ODP | 12-SEP-2016 |

