



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) - TEFC - Premium Efficiency (DOE)

Catalog Number : 00136ET3H56C-S

List Price : \$420

Notes:

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase: W01 (Rolled Steel) - TEFC - Premium Efficiency (DOE)

Frame : W56
 Output : 1 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3435 rpm
 Slip : 4.58 %
 Voltage : 575 V
 Rated current : 1.20 A
 Locked rotor current : 10.6 A
 Locked rotor current (I_L/I_n) : 8.8
 No-load current : 0.638 A
 Full load torque : 1.51 lb.ft
 Locked rotor torque : 360 %
 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 : 21 lb
 Moment of inertia : 0.02539 sq.ft.lb
 Noise level : 65 dB(A)

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

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.80 | 78.5 |
| 75% | 0.75 | 77.0 |
| 50% | 0.63 | 74.0 |

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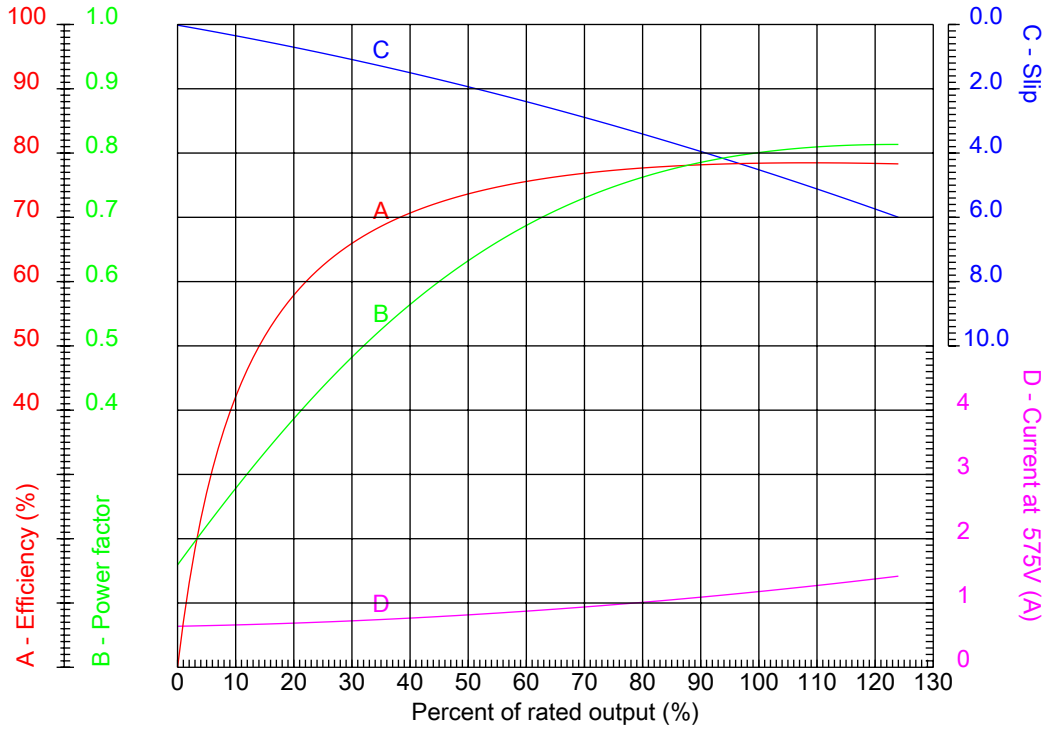
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
 Product line : Three-Phase: W01 (Rolled Steel) - TEFC - Premium Efficiency (DOE)

| | | | |
|------------------|------------|--------------------------------------------------------|---------|
| Frame | : W56 | Locked rotor current (I _l /I _n) | : 8.8 |
| Output | : 1 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.15 |
| Full load speed | : 3435 rpm | Design | : B |
| Voltage | : 575 V | Locked rotor torque | : 360 % |
| Rated current | : 1.20 A | Breakdown torque | : 380 % |
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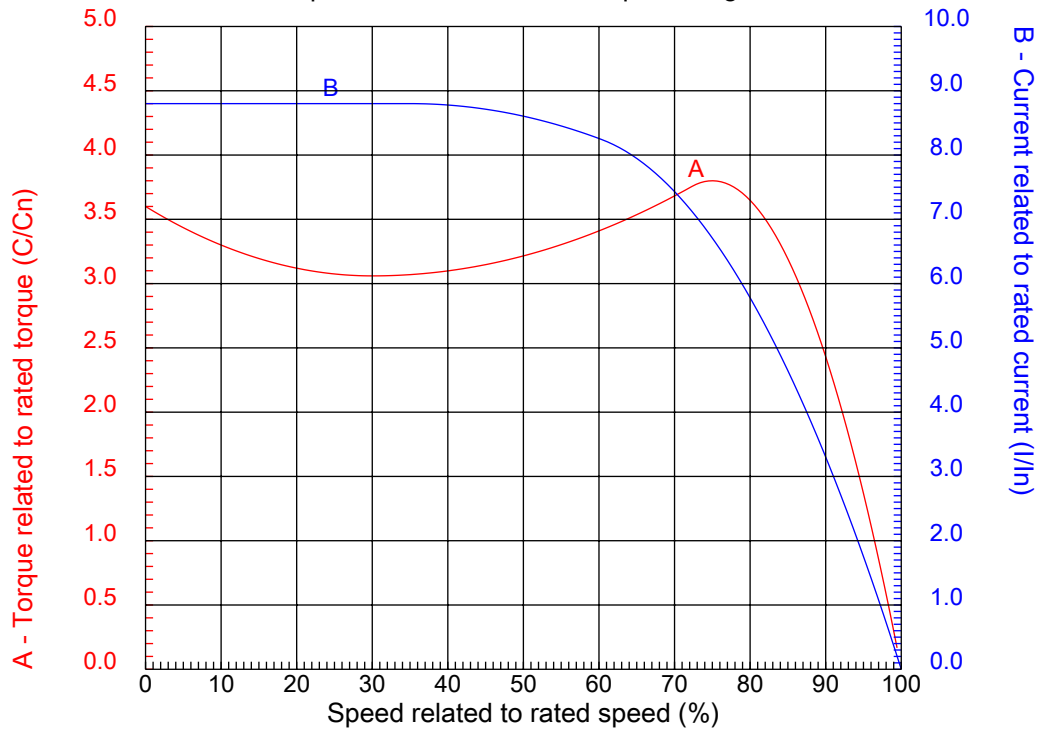
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



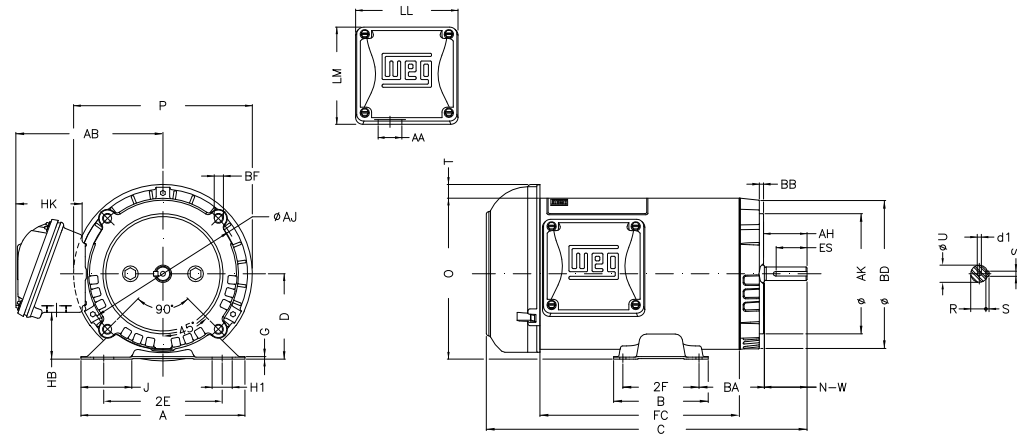
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| Voltage | : 575 V | Locked rotor torque | : 360 % |
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| Insulation class | : F | | |

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| | | | | |
|-------|----------------|--------|--------|--------|
| P | AB | J | 2E | A |
| 6.693 | 5.520 | 1.620 | 4.874 | 6.535 |
| H | G | HB | HK | T |
| 0.343 | 0.075 | 2.055 | 2.650 | 0.524 |
| O | FC | 2F | B | C |
| 6.330 | 6.299 | 3.000 | 4.016 | 11.106 |
| 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 | 3.835 |
| LM | D | Flange | AJ | AK |
| 3.697 | 3.500 | FC-149 | 5.874 | 4.500 |
| BD | BF | BB | AH | |
| 6.470 | UNC 3/8"x16-2B | 0.157 | 2.063 | |

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Customer:

Three-Phase: W01 (Rolled Steel) - TEFC - Premium Efficiency (DOE)

Three-phase induction motor
Frame W56 - IP55

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