



# Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

Customer :

## TECHNICAL PROPOSAL

### Three-phase induction motor - Squirrel cage rotor

Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JP" Type - ODP - High Efficiency  
Catalog Number : 02536OP3V256JP-S  
List Price : \$2,243

#### Notes:

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## DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :  
 Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JP" Type - ODP - High Efficiency

Frame : 254/6JP  
 Output : 25 HP  
 Frequency : 60 Hz  
 Poles : 2  
 Full load speed : 3530 rpm  
 Slip : 1.94 %  
 Voltage : 200/400 V  
 Rated current : 66.7/33.3 A  
 Locked rotor current : 414/207 A  
 Locked rotor current (I<sub>L</sub>/I<sub>n</sub>) : 6.2  
 No-load current : 25.7/12.9 A  
 Full load torque : 36.7 lb.ft  
 Locked rotor torque : 180 %  
 Breakdown torque : 280 %  
 Design : B  
 Insulation class : F  
 Temperature rise : 80 K  
 Locked rotor time : 9 s (hot)  
 Service factor : 1.15  
 Duty cycle : S1  
 Ambient temperature : -20°C - +40°C  
 Altitude : 1000 m  
 Degree of Protection : ODP  
 Approximate weight : 169 lb  
 Moment of inertia : 0.87184 sq.ft.lb  
 Noise level : 70 dB(A)

|                     | D.E.      | N.D.E.    | Load | Power factor | Efficiency (%) |
|---------------------|-----------|-----------|------|--------------|----------------|
| Bearings            | 6309 Z-C3 | 6208 Z-C3 | 100% | 0.88         | 91.0           |
| Regreasing interval | 20000 h   | 20000 h   | 75%  | 0.84         | 91.0           |
| Grease amount       | 13 g      | 8 g       | 50%  | 0.75         | 90.2           |

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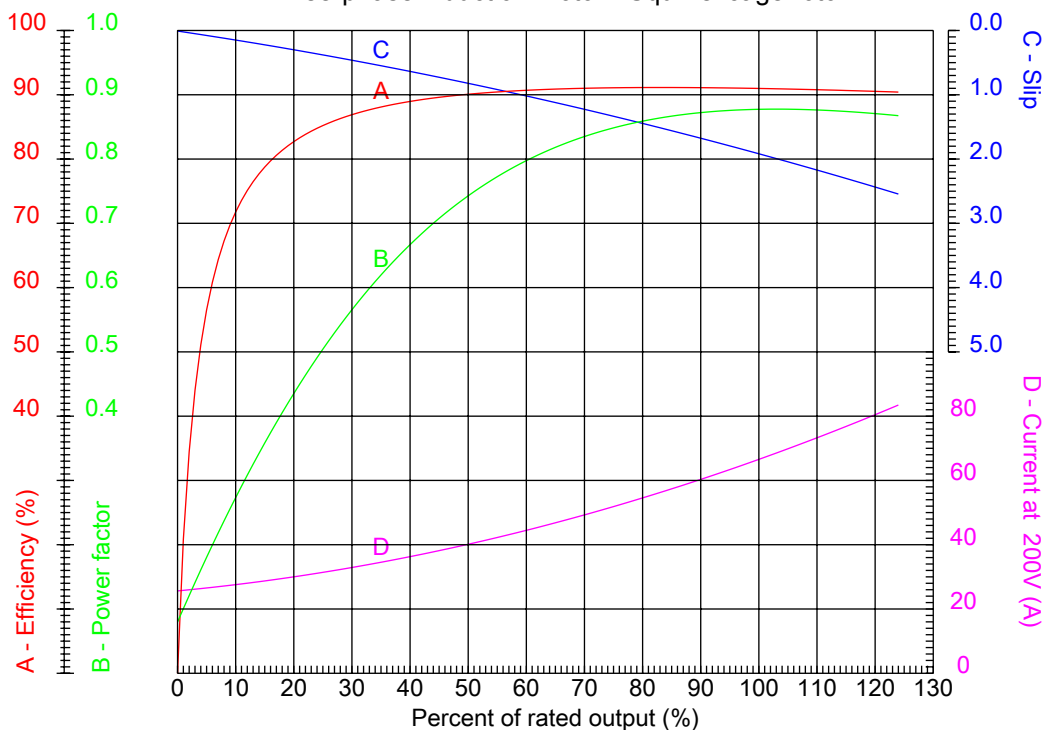
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## PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JP" Type - ODP - High Efficiency

|                  |               |  |         |
|------------------|---------------|--|---------|
| Frame            | : 254/6JP     | Locked rotor current (I <sub>l</sub> /I <sub>n</sub> ) | : 6.2   |
| Output           | : 25 HP       | Duty cycle   | : S1    |
| Frequency        | : 60 Hz       | Service factor   | : 1.15  |
| Full load speed  | : 3530 rpm    | Design   | : B     |
| Voltage          | : 200/400 V   | Locked rotor torque                                    | : 180 % |
| Rated current    | : 66.7/33.3 A | Breakdown torque                                       | : 280 % |
| Insulation class | : F           |  |         |

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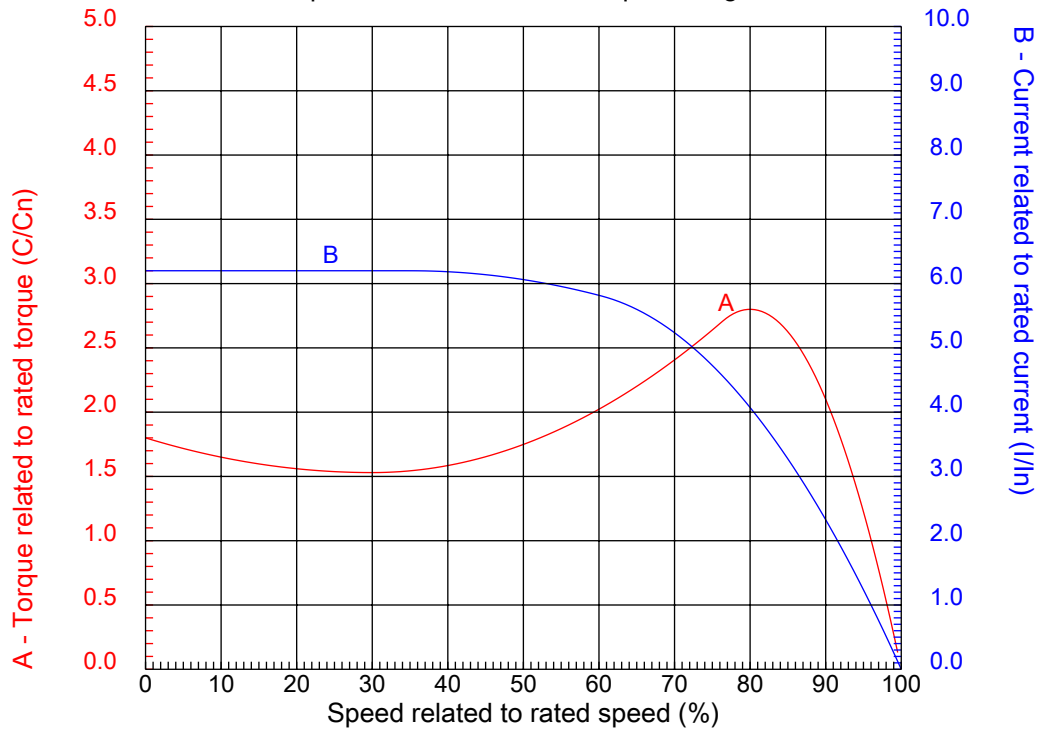
Performed by

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## CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :  
Product line : Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JP" Type - ODP - High Efficiency

|                  |               |  |         |
|------------------|---------------|--|---------|
| Frame            | : 254/6JP     | Locked rotor current (I <sub>l</sub> /I <sub>n</sub> ) | : 6.2   |
| Output           | : 25 HP       | Duty cycle   | : S1    |
| Frequency        | : 60 Hz       | Service factor   | : 1.15  |
| Full load speed  | : 3530 rpm    | Design   | : B     |
| Voltage          | : 200/400 V   | Locked rotor torque                                    | : 180 % |
| Rated current    | : 66.7/33.3 A | Breakdown torque                                       | : 280 % |
| Insulation class | : F           |  |         |

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1 2 3 4 5 6 7 8

A

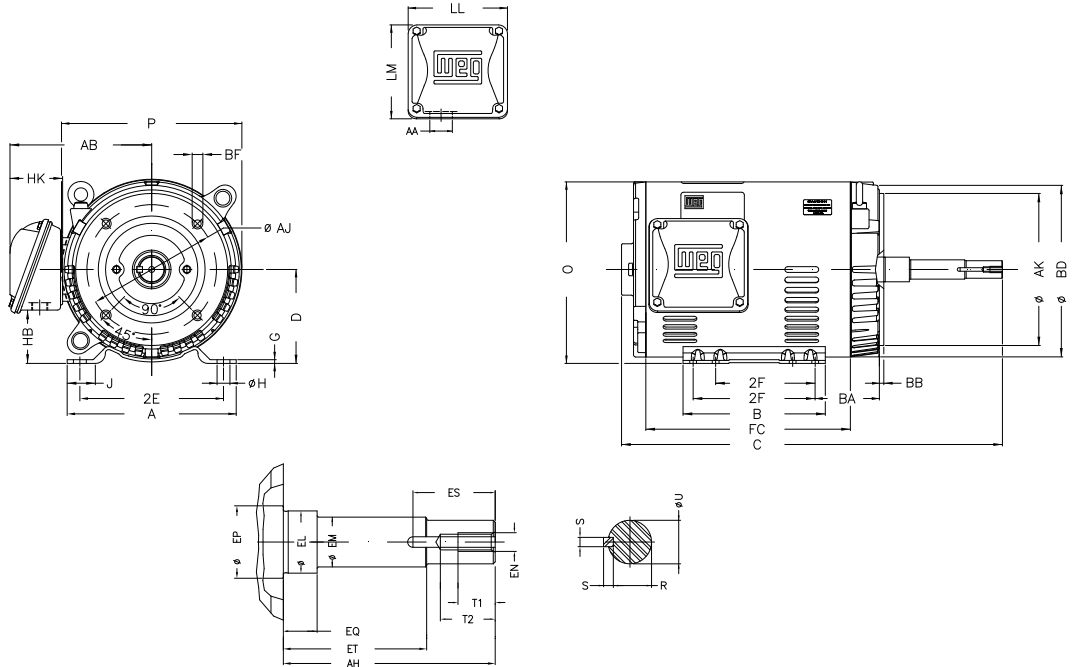
B

C

D

E

F



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|                    |                   |                  |              |             |
|--------------------|-------------------|------------------|--------------|-------------|
| 2E<br>10.000       | J<br>1.693        | A<br>11.417      | P<br>11.558  | AB<br>9.448 |
| 2F<br>8.252/10.000 | B<br>11.417       | BA<br>4.750      | D<br>6.250   | G<br>0.187  |
| O<br>12.010        | T<br>0.019        | H<br>0.530       | AA<br>1.732" | ER<br>8.130 |
| EQ<br>2.382        | ET<br>5.886       | U<br>1.249       | EM<br>1.375  | EL<br>1.750 |
| EP<br>1.769        | ES<br>2.559       | t1<br>1.024      | t2<br>1.496  | C<br>24.843 |
| CH<br>1.929        | FC<br>12.992      | Flange<br>FC-184 | AJ<br>7.250  | AK<br>8.500 |
| BD<br>11.084       | BF<br>UNC 1/2"x13 | BB<br>0.250      | AH<br>8.130  |             |

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Customer:

Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JP" Type - ODP - High

Three-phase induction motor  
Frame 254/6JP - ODP

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