



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 : 01036OP3H213JP-S
List Price : \$1,109

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 : 213/5JP
 Output : 10 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3530 rpm
 Slip : 1.94 %
 Voltage : 575 V
 Rated current : 9.76 A
 Locked rotor current : 62.5 A
 Locked rotor current (I_L/I_n) : 6.4
 No-load current : 4.10 A
 Full load torque : 14.7 lb.ft
 Locked rotor torque : 180 %
 Breakdown torque : 260 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 8 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : ODP
 Approximate weight : 103 lb
 Moment of inertia : 0.38158 sq.ft.lb
 Noise level : 66 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings | 6209 ZZ | 6206 ZZ | 100% | 0.87 | 88.5 |
| Regreasing interval | --- | --- | 75% | 0.83 | 88.5 |
| Grease amount | --- | --- | 50% | 0.72 | 87.5 |

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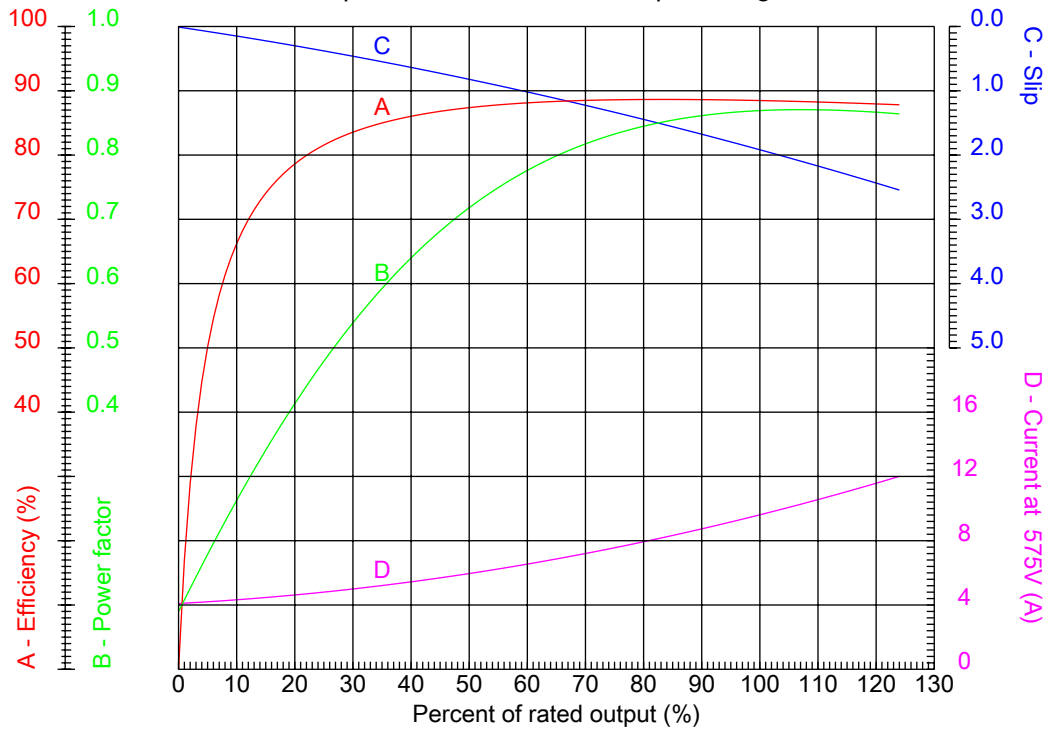
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



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

| | | | |
|------------------|------------|--|---------|
| Frame | : 213/5JP | Locked rotor current (I _l /I _n) | : 6.4 |
| Output | : 10 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.15 |
| Full load speed | : 3530 rpm | Design | : B |
| Voltage | : 575 V | Locked rotor torque | : 180 % |
| Rated current | : 9.76 A | Breakdown torque | : 260 % |
| Insulation class | : F | | |

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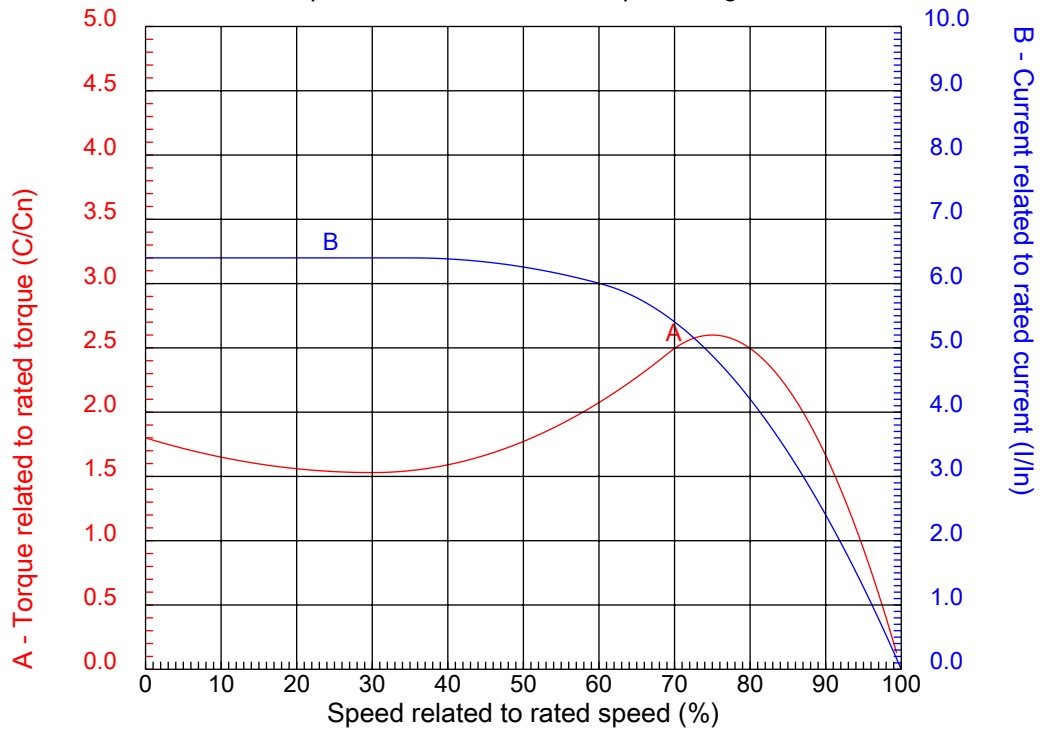
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



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

| | | | |
|------------------|------------|--|---------|
| Frame | : 213/5JP | Locked rotor current (I _l /I _n) | : 6.4 |
| Output | : 10 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.15 |
| Full load speed | : 3530 rpm | Design | : B |
| Voltage | : 575 V | Locked rotor torque | : 180 % |
| Rated current | : 9.76 A | Breakdown torque | : 260 % |
| 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 8.500 | J 1.575 | A 9.449 | P 9.846 | AB 7.973 |
| 2F 5.500/7.000 | B 7.953 | BA 4.250 | D 5.250 | G 0.167 |
| O 10.144 | T 0.029 | H 0.406 | AA 1.377" | ER 8.149 |
| EQ 2.374 | ET 5.886 | U 1.250 | EM 1.375 | EL 1.750 |
| EP 1.769 | ES 2.560 | t1 0.984 | t2 1.496 | C 21.575 |
| CH 1.929 | FC 10.236 | Flange FC-184 | AJ 7.250 | AK 8.500 |
| BD 9.401 | BF UNC 1/2"x13 | BB 0.250 | AH 8.130 | |

Performed by:


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Customer:

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

Three-phase induction motor
Frame 213/5JP - ODP

23-SEP-2016



1 2 3 4 5 6 7 8

A

B


C

D

E

F



| | | |
|---|-------------|---|
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| Performed by: | | |
| Checked: | | |
| Customer: | | |
| Close Coupled Pump: Three-Phase - W01 (Rolled Steel) "JP" Type - ODP - High | | |
| Three-phase induction motor Frame 213/5JP - IP21 | 23-SEP-2016 |  |