



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 - "JP" Type - ODP - High Efficiency

Catalog Number : 04018OP3E324JP

List Price : \$3,354

Notes:

Downloaded from <http://dealerselectric.com>

Generated for Model #04018OP3E324JP

Performed by:

Checked:



Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

Frame : 324JP
 Output : 40 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1775 rpm
 Slip : 1.39 %
 Voltage : 230/460 V
 Rated current : 98.8/49.4 A
 Locked rotor current : 573/287 A
 Locked rotor current (I_L/I_n) : 5.8
 No-load current : 42.0/21.0 A
 Full load torque : 117 lb.ft
 Locked rotor torque : 210 %
 Breakdown torque : 220 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 24 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP23
 Approximate weight : 450 lb
 Moment of inertia : 5.3993 sq.ft.lb
 Noise level : 64 dB(A)

| | D.E. | N.D.E. |
|---------------------|-----------|-----------|
| Bearings | 6312 Z-C3 | 6212 Z-C3 |
| Regreasing interval | 20000 h | 20000 h |
| Grease amount | 21 g | 13 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.82 | 93.0 |
| 75% | 0.77 | 93.0 |
| 50% | 0.67 | 92.4 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #04018OP3E324JP

Performed by

Checked



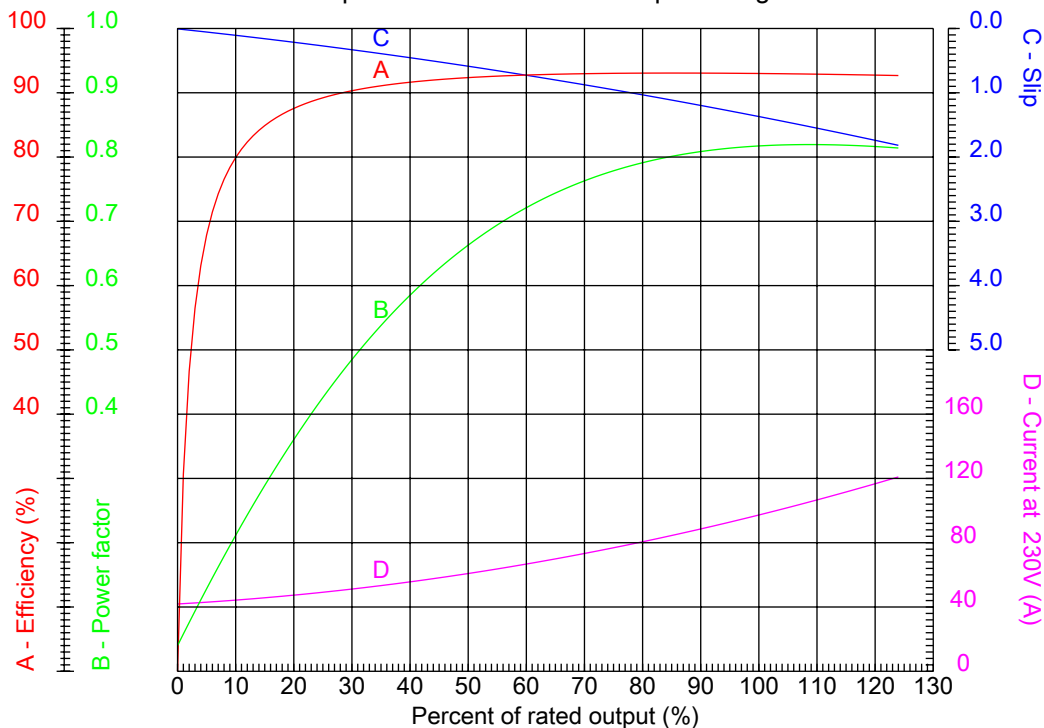
Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
 Product line : Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

| | | | |
|------------------|---------------|--|---------|
| Frame | : 324JP | Locked rotor current (I _l /I _n) | : 5.8 |
| Output | : 40 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.15 |
| Full load speed | : 1775 rpm | Design | : B |
| Voltage | : 230/460 V | Locked rotor torque | : 210 % |
| Rated current | : 98.8/49.4 A | Breakdown torque | : 220 % |
| Insulation class | : F | | |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #04018OP3E324JP

Performed by

Checked



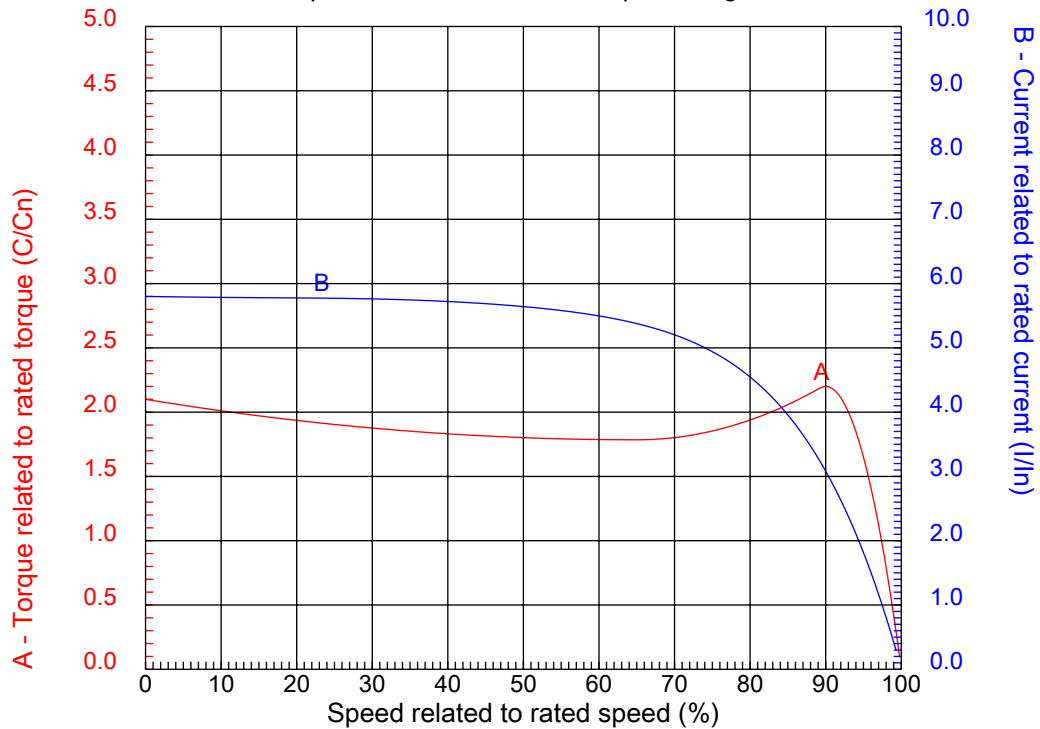
Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

| | | | |
|------------------|---------------|--|---------|
| Frame | : 324JP | Locked rotor current (I _l /I _n) | : 5.8 |
| Output | : 40 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.15 |
| Full load speed | : 1775 rpm | Design | : B |
| Voltage | : 230/460 V | Locked rotor torque | : 210 % |
| Rated current | : 98.8/49.4 A | Breakdown torque | : 220 % |
| Insulation class | : F | | |

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #04018OP3E324JP

Performed by

Checked



Notes: Downloaded from <http://dealerselectric.com>
Generated for Model #04018OP3E324JP

| | | | | |
|--------------|--------|--------|-------------|--------|
| 2E | A | 2F | B | J |
| 12.500 | 15.160 | 10.500 | 13.070 | 3.230 |
| BA | D | K | G | O |
| 5.500 | 8.000 | 3.350 | 1.299 | 15.551 |
| P | T | AB | H | AA |
| 15.118 | 2.559 | 11.496 | 0.657 | NPT 2" |
| ER | EQ | ET | U | EM |
| 8.130 | 2.382 | 5.886 | 1.249 | 1.375 |
| EL | S | EP | R | ES |
| 1.750 | 0.250 | 2.360 | 1.110 | 2.480 |
| d1 | t1 | t2 | C | Flange |
| EUNC 1/2"-13 | 0.984 | 1.496 | 29.311 | FC-279 |
| AJ | AK | BD | BF | BB |
| 11.000 | 12.500 | 13.189 | UNC 5/8"x11 | 0.250 |
| AH | | | | |
| 8.130 | | | | |

Performed by:

Checked:

Customer:

Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

Three-phase induction motor
Frame 324JP - IP23

23-SEP-2016



1 2 3 4 5 6 7 8

A
B
C
D
E
F

LOW VOLTAGE

HIGH VOLTAGE



CONNECTIONS FOR STARTING ONLY:

LOW VOLTAGE

HIGH VOLTAGE



Notes: Downloaded from <http://dealerselectric.com>
Generated for Model #04018OP3E324JP

Performed by:

Checked:

Customer:

Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

Three-phase induction motor
Frame 324JP - IP23

23-SEP-2016

