



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 - "JM" Type - ODP - NEMA Premium

Catalog Number : 03012OT3E326JM

List Price : \$4,741

Notes:

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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 - "JM" Type - ODP - NEMA Premium

Frame : 326JM
 Output : 30 HP
 Frequency : 60 Hz
 Poles : 6
 Full load speed : 1180 rpm
 Slip : 1.67 %
 Voltage : 208-230/460 V
 Rated current : 79.6-72.0/36.0 A
 Locked rotor current : 446/223 A
 Locked rotor current (I_L/I_n) : 6.2
 No-load current : 30.0/15.0 A
 Full load torque : 132 lb.ft
 Locked rotor torque : 220 %
 Breakdown torque : 270 %
 Design : B
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 17 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP23
 Approximate weight : 573 lb
 Moment of inertia : 9.7905 sq.ft.lb
 Noise level : 60 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 | 93.6 |
| 75% | 0.77 | 93.0 |
| 50% | 0.65 | 91.7 |

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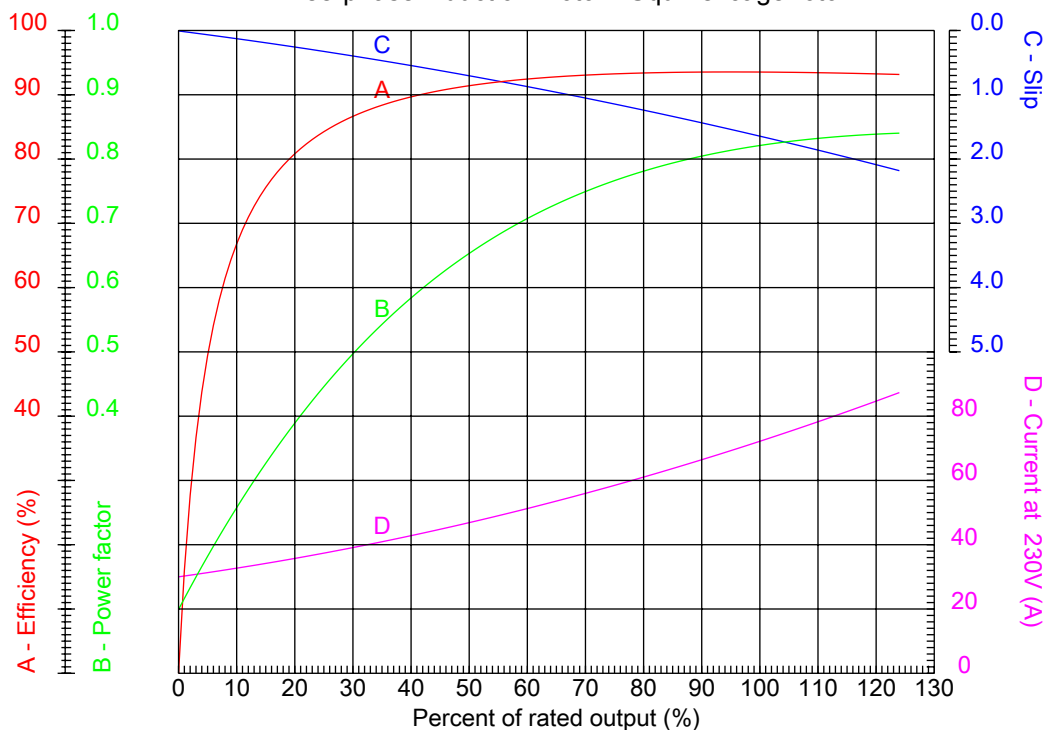
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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

| | | | |
|------------------|--------------------|--|---------|
| Frame | : 326JM | Locked rotor current (I _l /I _n) | : 6.2 |
| Output | : 30 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.15 |
| Full load speed | : 1180 rpm | Design | : B |
| Voltage | : 208-230/460 V | Locked rotor torque | : 220 % |
| Rated current | : 79.6-72.0/36.0 A | Breakdown torque | : 270 % |
| Insulation class | : F | | |

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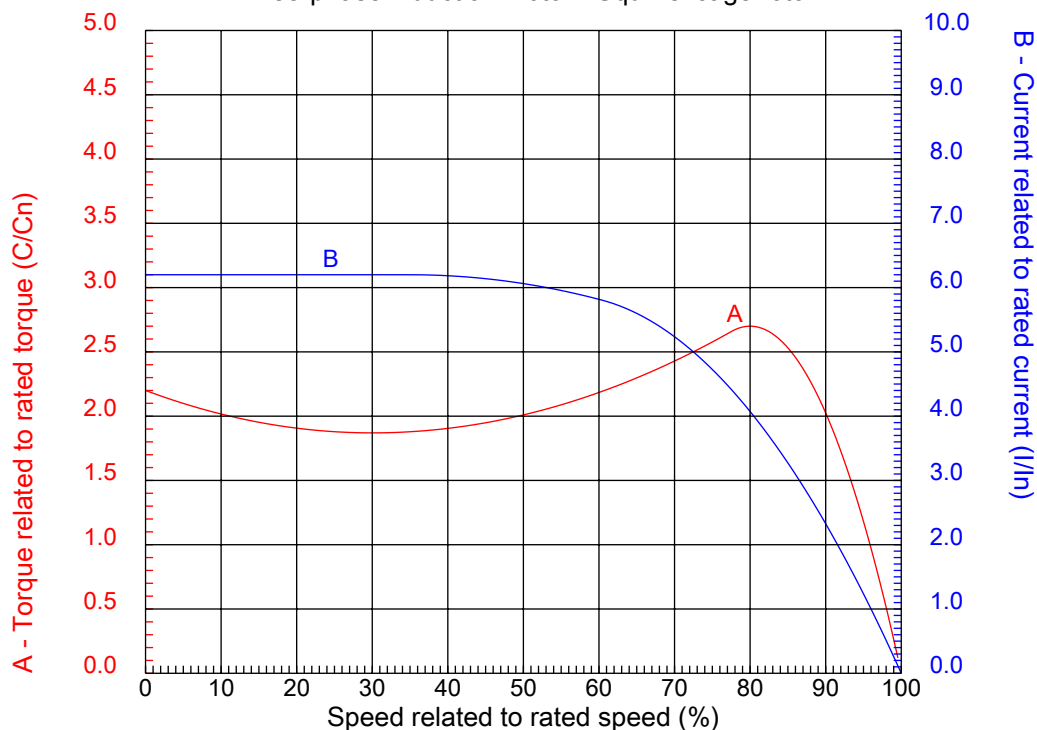
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

| | | | |
|------------------|--------------------|--|---------|
| Frame | : 326JM | Locked rotor current (I _l /I _n) | : 6.2 |
| Output | : 30 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.15 |
| Full load speed | : 1180 rpm | Design | : B |
| Voltage | : 208-230/460 V | Locked rotor torque | : 220 % |
| Rated current | : 79.6-72.0/36.0 A | Breakdown torque | : 270 % |
| Insulation class | : F | | |

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| | | | | | |
|---|------------------|--------------|--------------|--------------|--------------------|
| E | 2E 12.500 | A 15.160 | 2F 12.000 | B 14.566 | J 3.230 |
| | BA 5.500 | D 8.000 | K 3.350 | G 1.299 | O 15.551 |
| | P 15.118 | T 2.559 | AB 11.496 | H 0.657 | AA NPT 2" |
| | ER 5.250 | EQ 0.630 | ET 3.006 | U 1.249 | EM 1.375 |
| | EL 1.750 | S 0.250 | EP 2.360 | R 1.110 | d1 EUNC 1/2"-13 |
| F | ES 2.559 | t1 0.984 | t2 1.496 | C 27.927 | CH 2.716 |
| | Flange FC-279 | AJ 11.000 | AK 12.500 | BD 13.189 | BF UNC 5/8"x11 |
| | BB 0.250 | AH 5.250 | | | |

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Customer:

Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Three-phase induction motor
Frame 326JM - 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



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Customer:

Close Coupled Pump : Three-Phase - "JM" Type - ODP - NEMA Premium

Three-phase induction motor
Frame 326JM - IP23

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