



No.:

Date: 27-DEC-2012

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Close Coupled Pump: Three-Phase - W22 "JP" Type - TEFC - NEMA Premium

Catalog Number : 01536ET3E254JP-W22

List Price : \$2,629

Notes:

Performed by:

Checked:



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DATA SHEET

Three-phase induction motor - Squirrel cage rotor

Customer :
Product line : Close Coupled Pump: Three-Phase - W22 "JP" Type - TEFC - NEMA Premium

Frame : 254JP
Output : 15 HP
Frequency : 60 Hz
Poles : 2
Full load speed : 3530
Slip : 1.94 %
Voltage : 208-230/460 V
Rated current : 37.6-34.4/17.2 A
Locked rotor current : 234/117 A
Locked rotor current (I_L/I_n) : 6.8
No-load current : 12.0/6.00 A
Full load torque : 22.0 lb.ft
Locked rotor torque : 220 %
Breakdown torque : 270 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 25 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 236 lb
Moment of inertia : 1.2565 sq.ft.lb
Noise level : 72 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings | 6309 C3 | 6209 C3 | 100% | 0.88 | 91.0 |
| Regreasing interval | 19000 h | 20000 h | 75% | 0.85 | 91.0 |
| Grease amount | 13 g | 9 g | 50% | 0.77 | 89.5 |

Notes:

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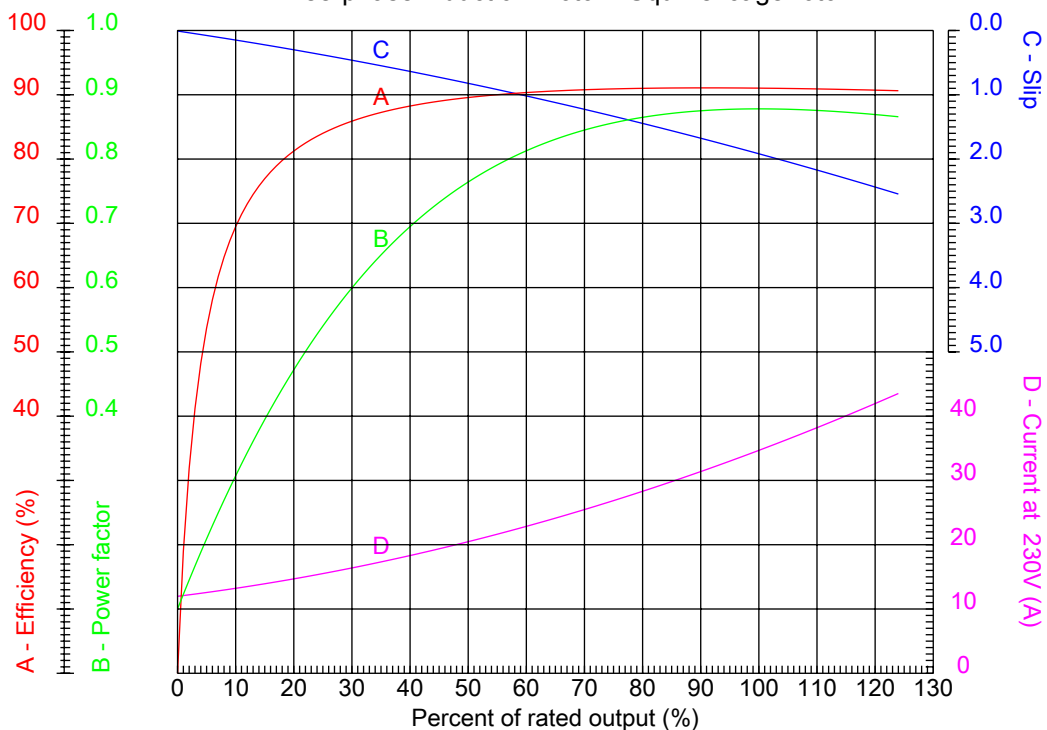


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PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Close Coupled Pump: Three-Phase - W22 "JP" Type - TEFC - NEMA Premium

| | | | |
|------------------|--------------------|--|---------|
| Frame | : 254JP | Locked rotor current (I _l /I _n) | : 6.8 |
| Output | : 15 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.25 |
| Full load speed | : 3530 | Design | : B |
| Voltage | : 208-230/460 V | Locked rotor torque | : 220 % |
| Rated current | : 37.6-34.4/17.2 A | Breakdown torque | : 270 % |
| Insulation class | : F | | |

Notes:

Performed by

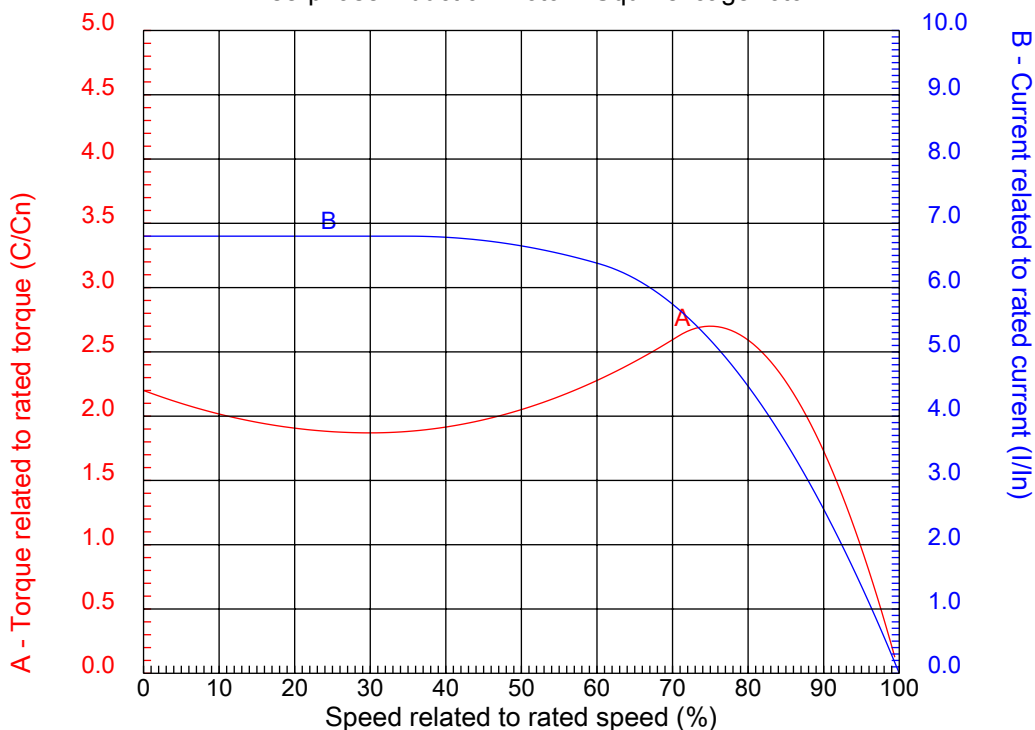
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CHARACTERISTIC CURVES RELATED TO SPEED Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Close Coupled Pump: Three-Phase - W22 "JP" Type - TEFC - NEMA Premium

| | | | |
|------------------|--------------------|--|---------|
| Frame | : 254JP | Locked rotor current (I _l /I _n) | : 6.8 |
| Output | : 15 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.25 |
| Full load speed | : 3530 | Design | : B |
| Voltage | : 208-230/460 V | Locked rotor torque | : 220 % |
| Rated current | : 37.6-34.4/17.2 A | Breakdown torque | : 270 % |
| Insulation class | : F | | |

Notes:

Performed by

Checked

