



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 : 01518OP3V254JPV

List Price : \$1,938

Notes:

Downloaded from <http://dealerselectric.com>

Generated for Model #01518OP3V254JPV

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 : 254JP
 Output : 15 HP
 Frequency : 60 Hz
 Poles : 4
 Full load speed : 1765 rpm
 Slip : 1.94 %
 Voltage : 200/400 V
 Rated current : 43.0/21.5 A
 Locked rotor current : 258/129 A
 Locked rotor current (I_L/I_n) : 6.0
 No-load current : 20.7/10.4 A
 Full load torque : 44.0 lb.ft
 Locked rotor torque : 230 %
 Breakdown torque : 250 %
 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 : 221 lb
 Moment of inertia : 1.5481 sq.ft.lb
 Noise level : 59 dB(A)

| | D.E. | N.D.E. |
|---------------------|-----------|-----------|
| Bearings | 6309 Z-C3 | 6209 Z-C3 |
| Regreasing interval | 10000 h | 10000 h |
| Grease amount | 13 g | 9 g |

| Load | Power factor | Efficiency (%) |
|------|--------------|----------------|
| 100% | 0.81 | 91.0 |
| 75% | 0.75 | 91.0 |
| 50% | 0.63 | 89.5 |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #01518OP3V254JPV

Performed by

Checked



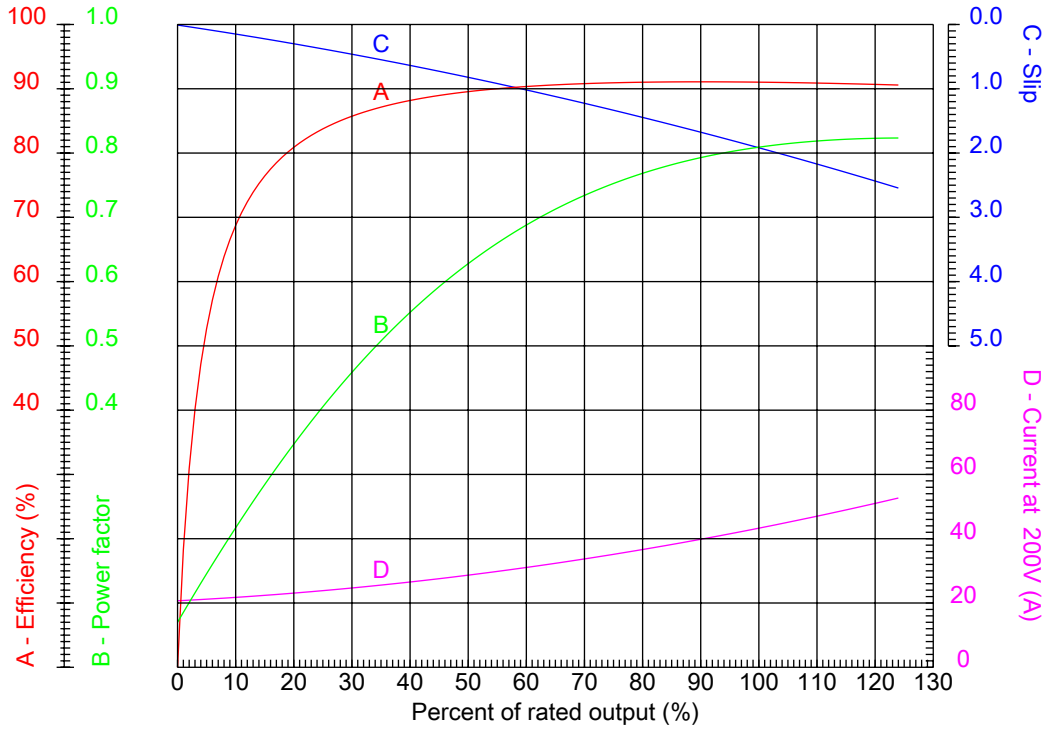
Dealers Industrial Equipment

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 | : 254JP | Locked rotor current (I _l /I _n) | : 6.0 |
| Output | : 15 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.15 |
| Full load speed | : 1765 rpm | Design | : B |
| Voltage | : 200/400 V | Locked rotor torque | : 230 % |
| Rated current | : 43.0/21.5 A | Breakdown torque | : 250 % |
| Insulation class | : F | | |

Notes:
 Downloaded from <http://dealerselectric.com>
 Generated for Model #01518OP3V254JPV

Performed by

Checked



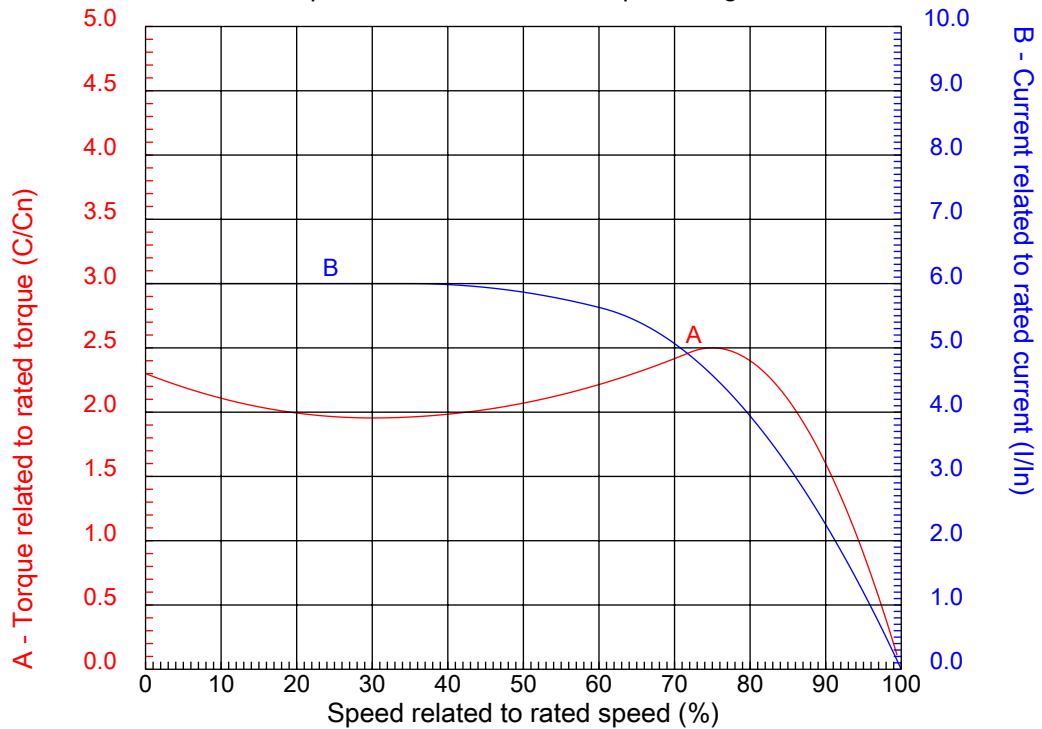
Dealers Industrial Equipment

No.:

Date: 23-SEP-2016

CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



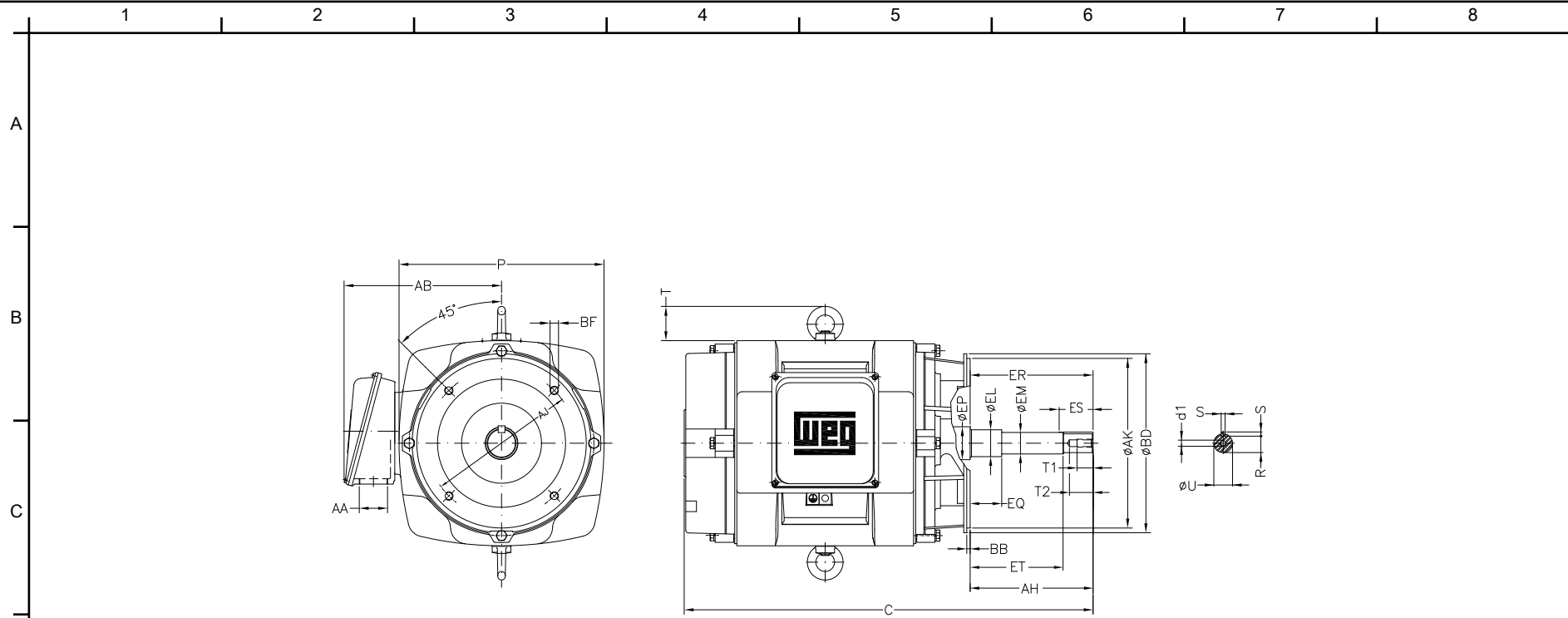
Customer :
Product line : Close Coupled Pump : Three-Phase - "JP" Type - ODP - High Efficiency

| | | | |
|------------------|---------------|--|---------|
| Frame | : 254JP | Locked rotor current (I _l /I _n) | : 6.0 |
| Output | : 15 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.15 |
| Full load speed | : 1765 rpm | Design | : B |
| Voltage | : 200/400 V | Locked rotor torque | : 230 % |
| Rated current | : 43.0/21.5 A | Breakdown torque | : 250 % |
| Insulation class | : F | | |

Notes:
Downloaded from <http://dealerselectric.com>
Generated for Model #01518OP3V254JPV

Performed by

Checked



Notes: Downloaded from <http://dealerselectric.com>
 Generated for Model #01518OP3V254JPV

Performed by:

Checked:

Customer:

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

Three-phase induction motor
 Frame 254JP - IP23

23-SEP-2016



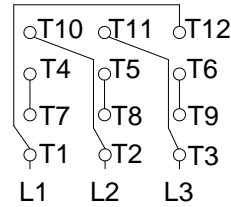
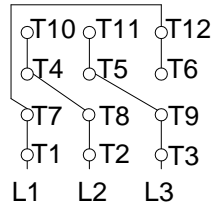
| | | | | |
|--------|-------------|------------|--------------|-------|
| P | AB | AA | ER | EQ |
| 11.812 | 10.079 | NPT 1 1/2" | 8.130 | 2.382 |
| ET | U | EM | EL | S |
| 5.886 | 1.249 | 1.375 | 1.750 | 0.250 |
| EP | R | ES | d1 | t1 |
| 1.770 | 1.110 | 2.480 | EUNC 1/2"-13 | 0.984 |
| t2 | C | Flange | AJ | AK |
| 1.496 | 25.049 | FC-184 | 7.250 | 8.500 |
| BD | BF | BB | AH | |
| 8.858 | UNC 1/2"x13 | 0.250 | 8.130 | |

1 2 3 4 5 6 7 8

A
B
C
D
E
F

LOW VOLTAGE

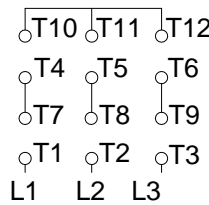
HIGH VOLTAGE



CONNECTIONS FOR STARTING ONLY:

LOW VOLTAGE

HIGH VOLTAGE



Notes: Downloaded from <http://dealerselectric.com>
Generated for Model #01518OP3V254JPV

Performed by:

Checked:

Customer:

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

Three-phase induction motor
Frame 254JP - IP23

23-SEP-2016

