



Dealers Industrial Equipment

No.:

Date: 28-SEP-2016

Customer :

TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Product line : Three-Phase: W22 IE2 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Catalog Number : 22036EP3Y315L-W22

List Price : \$39,475

Notes:

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DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer :
 Product line : Three-Phase: W22 IE2 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Frame : 315L
 Output : 300 HP
 Frequency : 60 Hz
 Poles : 2
 Full load speed : 3580 rpm
 Slip : 0.56 %
 Voltage : 460 V
 Rated current : 322 A
 Locked rotor current : 2770 A
 Locked rotor current (I_L/I_n) : 8.6
 No-load current : 98.7 A
 Full load torque : 434 lb.ft
 Locked rotor torque : 280 %
 Breakdown torque : 310 %
 Design : ---
 Insulation class : F
 Temperature rise : 80 K
 Locked rotor time : 14 s (hot)
 Service factor : 1.15
 Duty cycle : S1
 Ambient temperature : -20°C - +40°C
 Altitude : 1000 m
 Degree of Protection : IP55
 Approximate weight : 2708 lb
 Moment of inertia : 122.71 sq.ft.lb
 Noise level : 82 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings | 6314 C3 | 6314 C3 | 100% | 0.90 | 95.4 |
| Regreasing interval | 4000 h | 4000 h | 75% | 0.87 | 95.0 |
| Grease amount | 27 g | 27 g | 50% | 0.78 | 94.1 |

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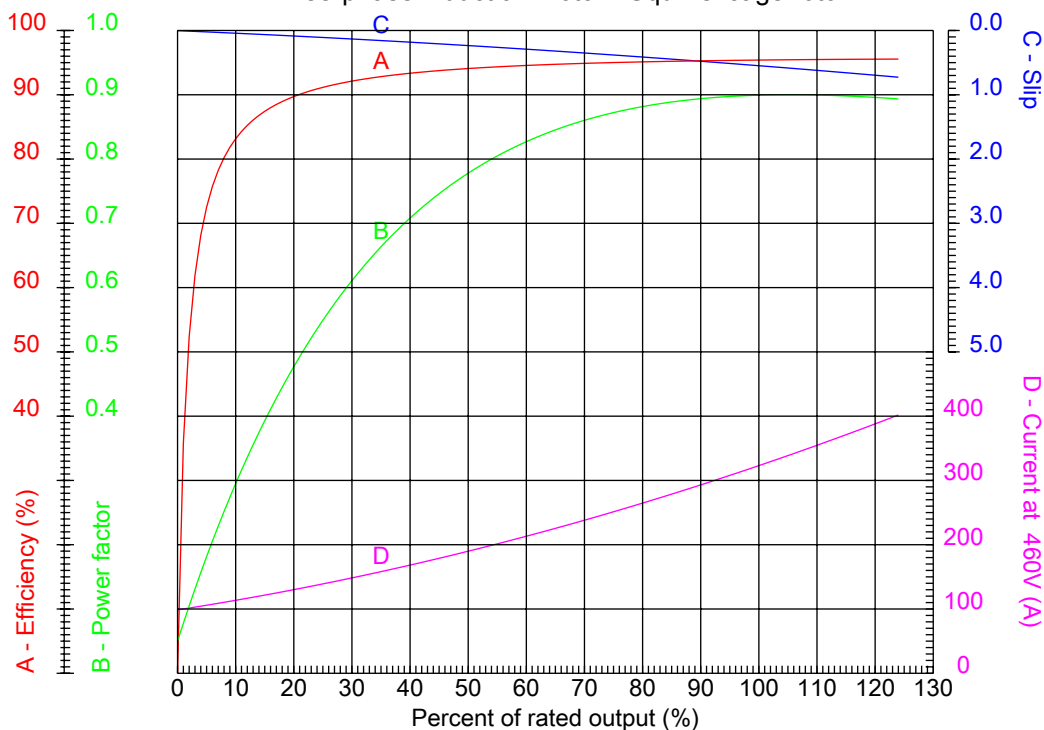


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Date: 28-SEP-2016

PERFORMANCE CURVES RELATED TO RATED OUTPUT Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase: W22 IE2 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

| | | | |
|------------------|------------|--|---------|
| Frame | : 315L | Locked rotor current (I _l /I _n) | : 8.6 |
| Output | : 300 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.15 |
| Full load speed | : 3580 rpm | Design | : --- |
| Voltage | : 460 V | Locked rotor torque | : 280 % |
| Rated current | : 322 A | Breakdown torque | : 310 % |
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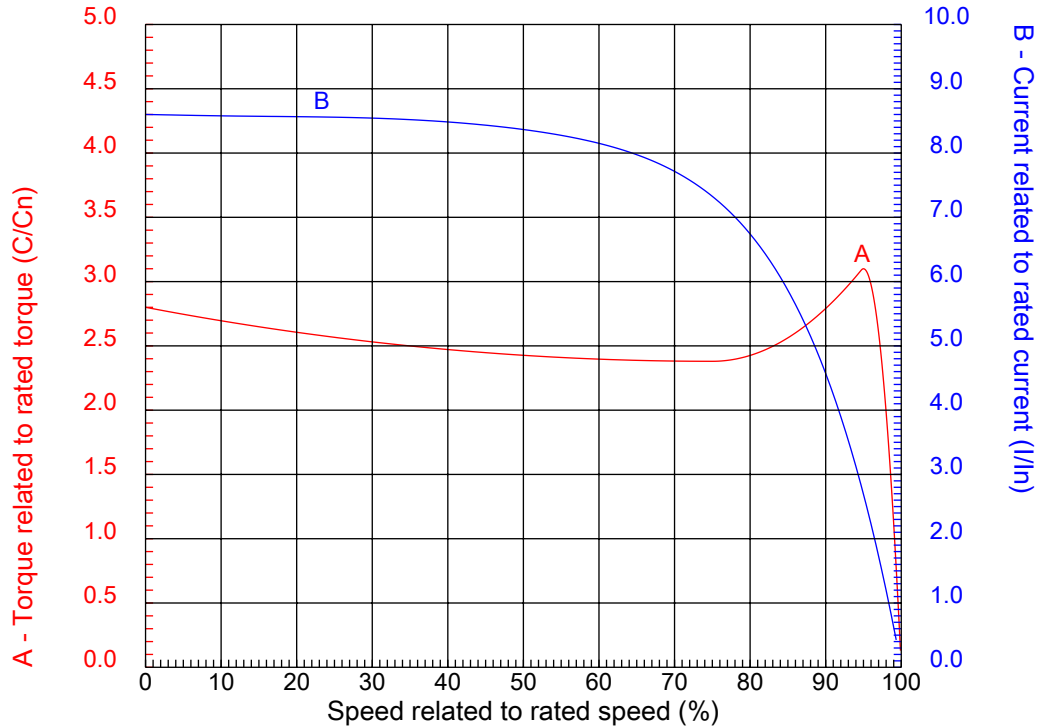
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CHARACTERISTIC CURVES RELATED TO SPEED

Three-phase induction motor - Squirrel cage rotor



Customer :
Product line : Three-Phase: W22 IE2 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

| | | | |
|------------------|------------|--|---------|
| Frame | : 315L | Locked rotor current (I _l /I _n) | : 8.6 |
| Output | : 300 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.15 |
| Full load speed | : 3580 rpm | Design | : --- |
| Voltage | : 460 V | Locked rotor torque | : 280 % |
| Rated current | : 322 A | Breakdown torque | : 310 % |
| Insulation class | : F | | |

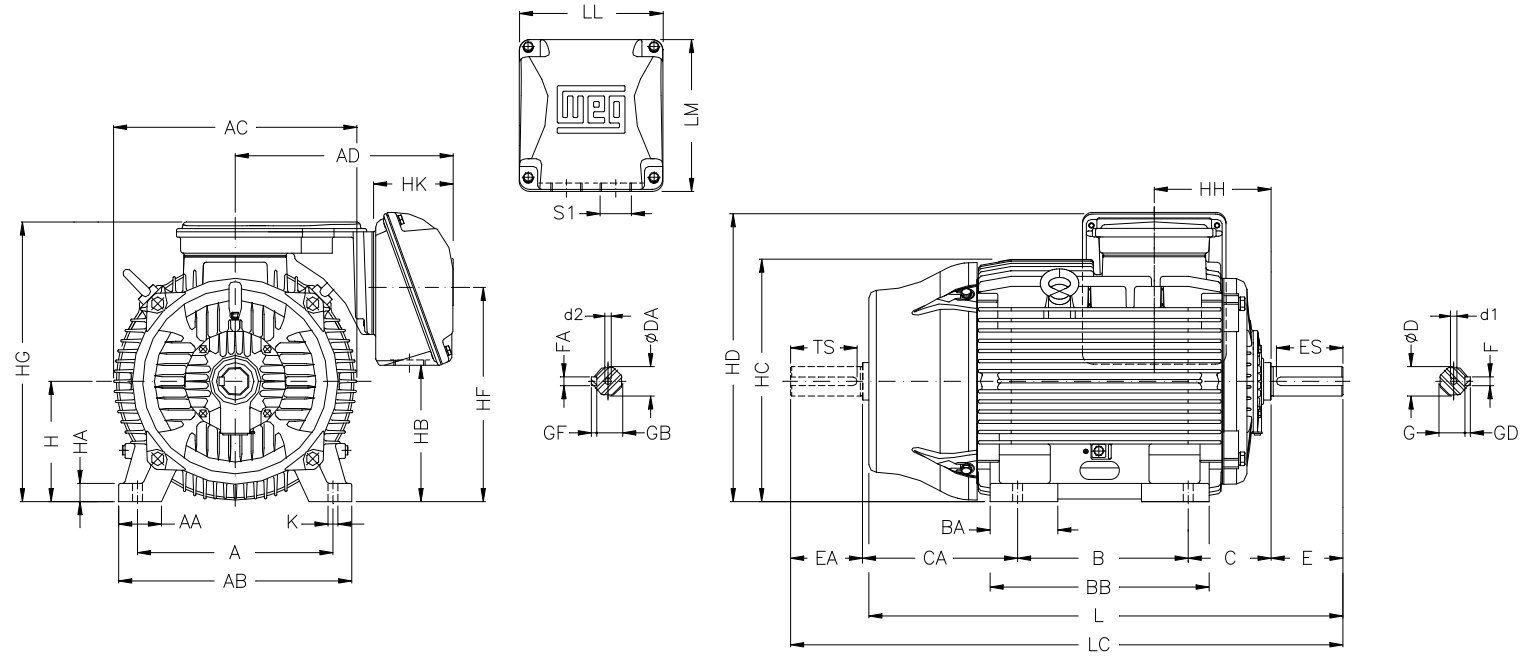
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1 2 3 4 5 6 7 8

A
B
C
D
E
F



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| | | | | |
|------|-----------|------|------|-----|
| A | AA | AB | AC | AD |
| 508 | 120 | 630 | 657 | 589 |
| B | BA | BB | C | CA |
| 508 | 219 | 752 | 216 | 502 |
| D | E | ES | F | G |
| 65m6 | 140 | 125 | 18 | 58 |
| GD | DA | EA | TS | FA |
| 11 | 60m6 | 140 | 125 | 18 |
| GB | GF | H | HA | HB |
| 53 | 11 | 315 | 48 | 336 |
| HC | HD | HF | HG | HH |
| 644 | 774 | 575 | 760 | 284 |
| HK | K | L | LC | LL |
| 220 | 28 | 1353 | 1506 | 404 |
| LM | S1 | d1 | d2 | |
| 436 | 2xM63x1.5 | DM20 | DM20 | |

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Three-Phase: W22 IE2 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

Three-phase induction motor
Frame 315L - IP55

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