



No.:

Date: 24-DEC-2012

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 : 30018EP3Y355M/L-W22

List Price : \$53,832

Notes:

Performed by:

Checked:



No.:

Date: 24-DEC-2012

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 : 355M/L
Output : 400 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1790
Slip : 0.56 %
Voltage : 460 V
Rated current : 462 A
Locked rotor current : 3790 A
Locked rotor current (I_L/I_n) : 8.2
No-load current : 176 A
Full load torque : 1158 lb.ft
Locked rotor torque : 250 %
Breakdown torque : 260 %
Design : N
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 18 s (hot)
Service factor : 1.15
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 3330 lb
Moment of inertia : 203.86 sq.ft.lb
Noise level : 81 dB(A)

| | D.E. | N.D.E. | Load | Power factor | Efficiency (%) |
|---------------------|---------|---------|------|--------------|----------------|
| Bearings | 6322 C3 | 6319 C3 | 100% | 0.85 | 95.8 |
| Regreasing interval | 6000 h | 8000 h | 75% | 0.82 | 95.4 |
| Grease amount | 60 g | 45 g | 50% | 0.71 | 95.0 |

Notes:

Performed by

Checked

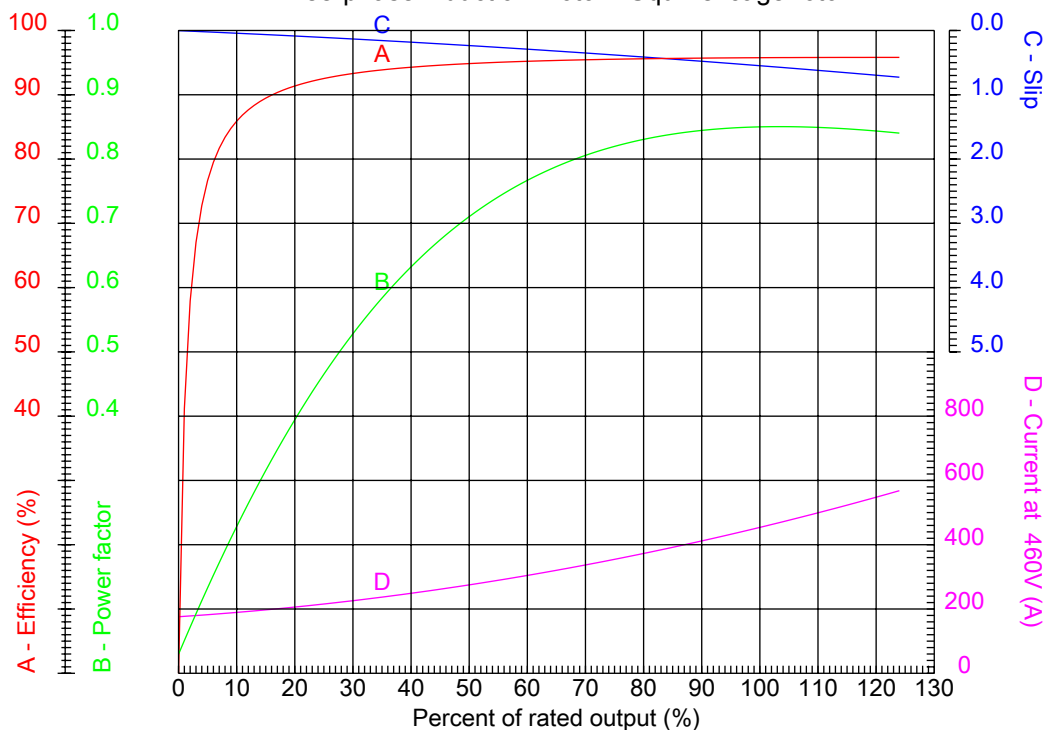


No.:

Date: 24-DEC-2012

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 | : 355M/L | Locked rotor current (I _l /I _n) | : 8.2 |
| Output | : 400 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.15 |
| Full load speed | : 1790 | Design | : N |
| Voltage | : 460 V | Locked rotor torque | : 250 % |
| Rated current | : 462 A | Breakdown torque | : 260 % |
| Insulation class | : F | | |

Notes:

Performed by

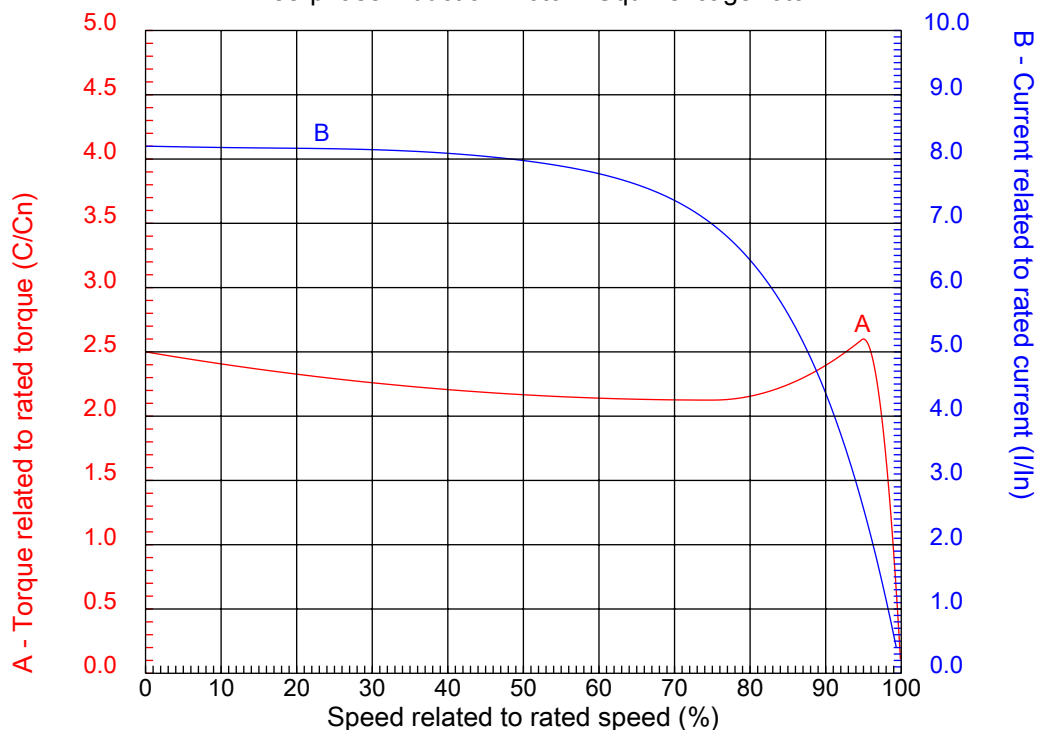
Checked



No.:

Date: 24-DEC-2012

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



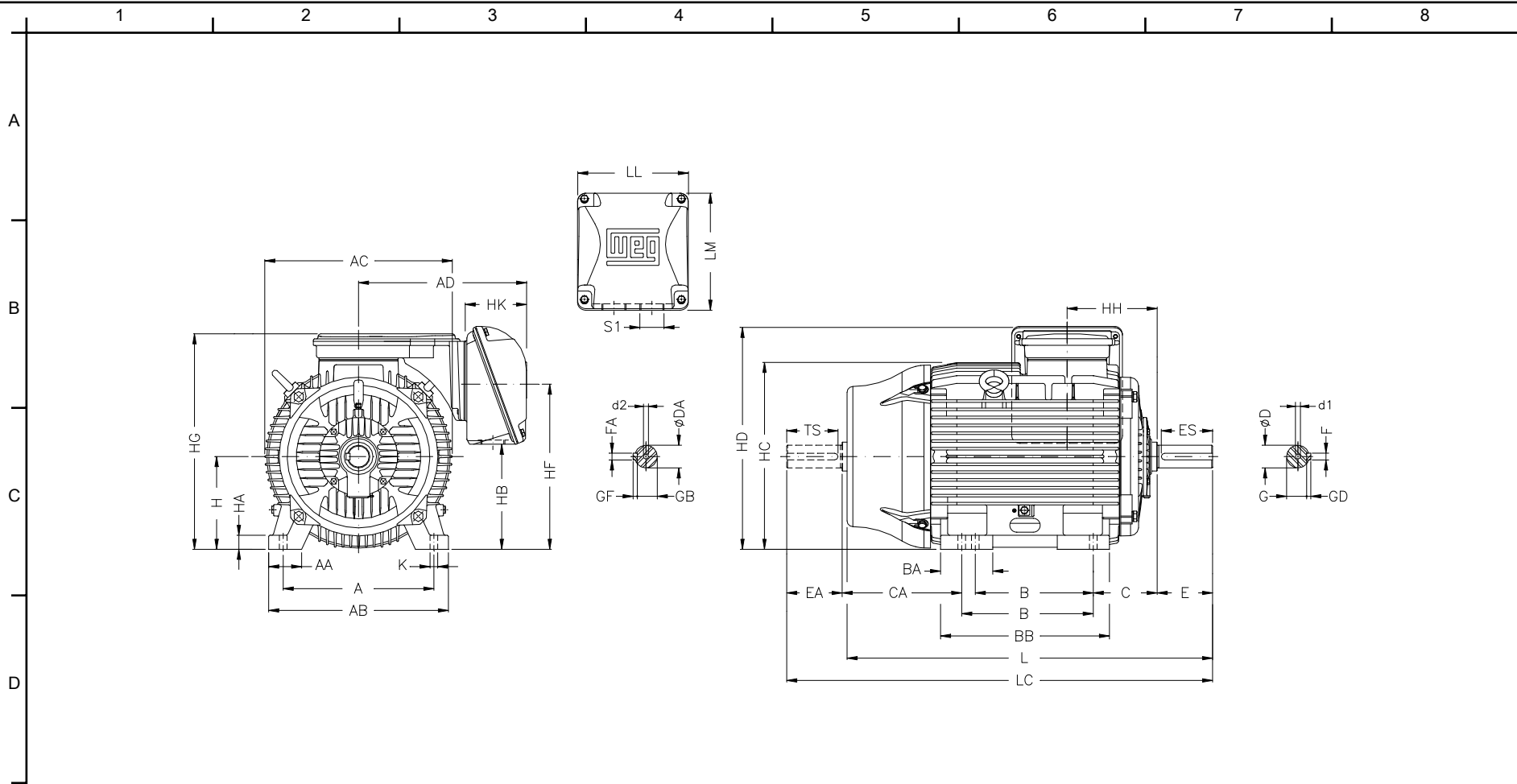
Customer :
Product line : Three-Phase: W22 IE2 IEC Tru-Metric - TEFC (IP55) Cast Iron Frame

| | | | |
|------------------|----------|--|---------|
| Frame | : 355M/L | Locked rotor current (I _l /I _n) | : 8.2 |
| Output | : 400 HP | Duty cycle | : S1 |
| Frequency | : 60 Hz | Service factor | : 1.15 |
| Full load speed | : 1790 | Design | : N |
| Voltage | : 460 V | Locked rotor torque | : 250 % |
| Rated current | : 462 A | Breakdown torque | : 260 % |
| Insulation class | : F | | |

Notes:

Performed by

Checked



| | | | | | |
|---|--------------|-----------------|------------|------------|------------------|
| | A 610 | AA 140 | AB 750 | AC 736 | AD 619 |
| | B 560/630 | BA 230 | BB 760 | C 254 | CA 483/413 |
| E | D 100m6 | E 210 | ES 200 | F 28 | G 90 |
| | GD 16 | DA 80m6 | EA 170 | TS 160 | FA 22 |
| | GB 71 | GF 14 | H 355 | HA 50 | HB 449 |
| | HC 723 | HD 898 | HF 700 | HG 885 | HH 340 |
| | HK 225 | K 28 | L 1482 | LC 1677 | LL 404 |
| F | LM 424 | S1 2XM63X1,5 | d1 DM24 | d2 DM20 | Flange FF-740 |
| | LA 22 | M 740 | N 680 | P 800 | T 6 |
| | S 24 | Angle 22°30' | Holes 8 | | |

Notes:

Performed by:

Checked:

Customer:

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

Three-phase induction motor
Frame 355M/L - IP55

24-DEC-2012

