|   | ء  | No.: a            |
|---|--|-------------------|
| Шео                                       | а  | Date: 03-SEP-2015 |
| Customer                                  | : a  |                   |
|   | TECHNICAL PROPOSAL  Three-phase induction motor - Squirrel o | cage rotor        |
|   |  |                   |
| Product line                              | : W22 - Cast Iron Frame - Super Premium Efficiency - IE4     |                   |
| Product line<br>Catalog Num<br>List Price |  |                   |
| Catalog Num                               | ber :  |                   |



a

No.: a

Date: 03-SEP-2015

## DATA SHEET Three-phase induction motor - Squirrel cage rotor

Customer : a

Product line : W22 - Cast Iron Frame - Super Premium Efficiency - IE4

Frame : 315S/M
Output : 110 kW
Frequency : 50 Hz
Poles : 2
Full load speed : 2980
Slip : 0.67 %
Voltage : 380/660 V
Rated current : 195/112 A
Locked rotor current (II/In) : 7.8

Locked rotor current (II/In) : 7.8

No-load current : 62.7/36.1 A

Full load torque : 353 Nm

Locked rotor torque : 230 %

Breakdown torque : 300 %

Design : --
Insulation class : F

Insulation class : F
Temperature rise : 80 K
Locked rotor time : 42 s (hot)
Service factor : 1.00
Duty cycle : S1

Ambient temperature : -20°C - +40°C

Altitude : 1000

Degree of Protection : IP55

Approximate weight : 992 kg

Moment of inertia : 2.3195 kgm²

Noise level : 76 dB(A)

|                     | D.E.    | N.D.E.  |
|---------------------|---------|---------|
| Bearings            | 6314 C3 | 6314 C3 |
| Regreasing interval | 5000 h  | 5000 h  |
| Grease amount       | 27 g    | 27 g    |

| Load | Power factor | Efficiency (%) |  |
|------|--------------|----------------|--|
| 100% | 0.89         | 96.5           |  |
| 75%  | 0.86         | 95.9           |  |
| 50%  | 0.79         | 94.9           |  |

Notes:

Efficiencies according to the indirect method of IEC 60034-2-1:2007 with stray load losses determined from measurement.

| Performed by | Checked |
|--------------|---------|
| а            | а       |

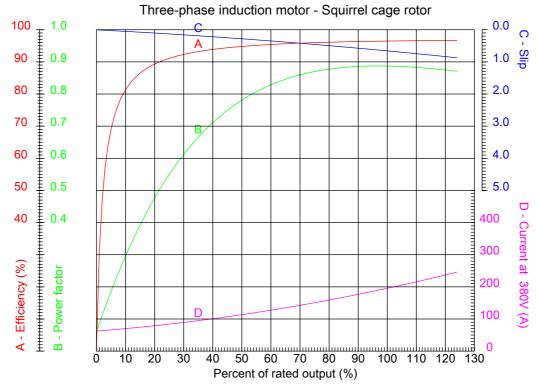


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No.: a

Date: 03-SEP-2015

## PERFORMANCE CURVES RELATED TO RATED OUTPUT



Customer : a

Product line : W22 - Cast Iron Frame - Super Premium Efficiency - IE4

Frame Locked rotor current (II/In) : 315S/M : 7.8 Output : 110 kW Duty cycle : S1 Frequency : 50 Hz Service factor : 1.00 Full load speed : 2980 Design : ---Voltage : 380/660 V Locked rotor torque : 230 % Rated current : 195/112 A Breakdown torque : 300 %

Insulation class : F

Notes:

| Performed by | Checked |
|--------------|---------|
| а            | а       |

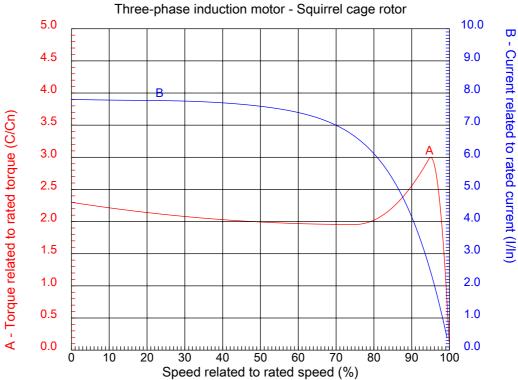


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No.: a

Date: 03-SEP-2015

## CHARACTERISTIC CURVES RELATED TO SPEED



Customer : a

Product line : W22 - Cast Iron Frame - Super Premium Efficiency - IE4

Frame Locked rotor current (II/In) : 315S/M : 7.8 Output : 110 kW Duty cycle : S1 Frequency : 50 Hz Service factor : 1.00 Full load speed : 2980 Design Voltage : 380/660 V Locked rotor torque : 230 % Rated current : 195/112 A Breakdown torque : 300 %

: F

Notes:

Insulation class

| Performed by | Checked |
|--------------|---------|
| a            | a       |

