TECHNICAL PROPOSAL

Three-phase induction motor - Squirrel cage rotor

Customer :

Product line : W22 NEMA Premium - Ball Bearings
Catalog Number : 01018ET3E215T-W22
List Price : $1,273

Notes:

Performed by:          Checked:
DATA SHEET
Three-phase induction motor - Squirrel cage rotor

Customer : 
Product line : W22 NEMA Premium - Ball Bearings

Frame : 215T
Output : 10 HP
Frequency : 60 Hz
Poles : 4
Full load speed : 1760
Slip : 2.22 %
Voltage : 208-230/460 V
Rated current : 27.4-24.8/12.4 A
Locked rotor current : 159/79.4 A
Locked rotor current (Il/In) : 6.4
No-load current : 11.3/5.65 A
Full load torque : 29.4 lb.ft
Locked rotor torque : 200 %
Breakdown torque : 300 %
Design : B
Insulation class : F
Temperature rise : 80 K
Locked rotor time : 17 s (hot)
Service factor : 1.25
Duty cycle : S1
Ambient temperature : -20°C - +40°C
Altitude : 1000
Degree of Protection : IP55
Approximate weight : 172 lb
Moment of inertia : 1.5104 sq.ft.lb
Noise level : 58 dB(A)

<table>
<thead>
<tr>
<th>Bearings</th>
<th>D.E.</th>
<th>N.D.E.</th>
<th>Load</th>
<th>Power factor</th>
<th>Efficiency (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bearings</td>
<td>6308 ZZ</td>
<td>6207 ZZ</td>
<td>100%</td>
<td>0.83</td>
<td>91.7</td>
</tr>
<tr>
<td>Regreasing interval</td>
<td>---</td>
<td>---</td>
<td>75%</td>
<td>0.77</td>
<td>91.7</td>
</tr>
<tr>
<td>Grease amount</td>
<td>---</td>
<td>---</td>
<td>50%</td>
<td>0.66</td>
<td>90.2</td>
</tr>
</tbody>
</table>

Notes:

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

Customer: 
Product line: W22 NEMA Premium - Ball Bearings

Frame: 215T
Output: 10 HP
Frequency: 60 Hz
Full load speed: 1760
Voltage: 208-230/460 V
Rated current: 27.4-24.8/12.4 A
Insulation class: F

Locked rotor current (Il/In): 6.4
Duty cycle: S1
Service factor: 1.25
Design: B
Locked rotor torque: 200 %
Breakdown torque: 300 %

Notes:

Performed by: 
Checked: 

Date: 17-DEC-2012
CHARACTERISTIC CURVES RELATED TO SPEED
Three-phase induction motor - Squirrel cage rotor

Customer:
Product line: W22 NEMA Premium - Ball Bearings

Frame: 215T
Output: 10 HP
Frequency: 60 Hz
Full load speed: 1760
Voltage: 208-230/460 V
Rated current: 27.4-24.8/12.4 A
Insulation class: F
Locked rotor current (Il/In): 6.4
Duty cycle: S1
Service factor: 1.25
Design: B
Locked rotor torque: 200 %
Breakdown torque: 300 %

Notes:

Performed by
Checked