**TECHNICAL PROPOSAL**

Three-phase induction motor - Squirrel cage rotor

<table>
<thead>
<tr>
<th>Customer</th>
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<table>
<thead>
<tr>
<th>Product line</th>
<th>Three-Phase : W21 TEFC (IP55) - NEMA Premium Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Number</td>
<td>00518ET3E184TC</td>
</tr>
<tr>
<td>List Price</td>
<td>$810</td>
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</tbody>
</table>

**Notes:**
Three-Phase : W21 TEFC (IP55) - NEMA Premium Efficiency

<table>
<thead>
<tr>
<th>Performed by</th>
<th>Checked</th>
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DATA SHEET
Three-phase induction motor - Squirrel cage rotor

Customer: 
Product line: Three-Phase: W21 TEFC (IP55) - NEMA Premium Efficiency

Frame: 184T
Output: 5 HP
Frequency: 60 Hz
Poles: 4
Full load speed: 1755
Slip: 2.50 %
Voltage: 208-230/460 V
Rated current: 14.2-12.8/6.40 A
Locked rotor current: 100/49.9 A
Locked rotor current (Il/In): 7.8
No-load current: 6.12/3.06 A
Full load torque: 14.8 lb.ft
Locked rotor torque: 210 %
Breakdown torque: 300 %
Design: B
Insulation class: F
Temperature rise: 80 K
Locked rotor time: 20 s (hot)
Service factor: 1.25
Duty cycle: S1
Ambient temperature: -20°C - +40°C
Altitude: 1000 m
Degree of Protection: IP55
Approximate weight: 102 lb
Moment of inertia: 0.44494 sq.ft.lb
Noise level: 56 dB(A)

<table>
<thead>
<tr>
<th>D.E.</th>
<th>N.D.E.</th>
<th>Load</th>
<th>Power factor</th>
<th>Efficiency (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6307 ZZ</td>
<td>6206 ZZ</td>
<td>100%</td>
<td>0.81</td>
<td>89.5</td>
</tr>
<tr>
<td>Regreasing interval</td>
<td>---</td>
<td>75%</td>
<td>0.75</td>
<td>90.2</td>
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<tr>
<td>Grease amount</td>
<td>---</td>
<td>50%</td>
<td>0.63</td>
<td>88.5</td>
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</tbody>
</table>

Notes:

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Checked:
PERFORMANCE CURVES RELATED TO RATED OUTPUT

Three-phase induction motor - Squirrel cage rotor

Customer:
Product line: Three-Phase W21 TEFC (IP55) - NEMA Premium Efficiency

Output: 5 HP
Frame: 184T
Full load speed: 1755
Frequency: 60 Hz
Voltage: 208-230/460 V
Insulation class: F
Rated current: 14.2-12.8/6.40 A

Locked rotor current (Il/In): 7.8
Duty cycle: S1
Service factor: 1.25
Design: B
Locked rotor torque: 210 %
Breakdown torque: 300 %

Notes:

Performed by:  
Checked:
CHARACTERISTIC CURVES RELATED TO SPEED
Three-phase induction motor - Squirrel cage rotor

Customer:
Product line: Three-Phase : W21 TEFC (IP55) - NEMA Premium Efficiency

Output: 5 HP  Locked rotor current (Il/In): 7.8
Frame: 184T  Duty cycle: S1
Full load speed: 1755  Service factor: 1.25
Frequency: 60 Hz  Design: B
Voltage: 208-230/460 V  Locked rotor torque: 210 %
Insulation class: F  Breakdown torque: 300 %
Rated current: 14.2-12.8/6.40 A

Notes:

Performed by:  
Checked:
Three-phase induction motor
Frame 184T - IP55

Notes:

Performed by:

Checked:

Customer:

Three-Phase: W21 TEFC (IP55) - NEMA Premium Efficiency

Three-phase induction motor
Frame 184T - IP55

9/29/2010