# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage

**Customer:** 

**Product line:** ODP NEMA Premium Efficiency  
**Product code:** 11099303  
**Catalog #:** 10012OT3E444T

<table>
<thead>
<tr>
<th>Frame</th>
<th>Output</th>
<th>Poles</th>
<th>Frequency</th>
<th>Rated voltage</th>
<th>Rated current</th>
<th>L. R. Amperes</th>
<th>No load current</th>
<th>Rated speed</th>
<th>Slip</th>
<th>Rated torque</th>
<th>Locked rotor torque</th>
<th>Breakdown torque</th>
<th>Insulation class</th>
<th>Service factor</th>
<th>Moment of inertia (J)</th>
<th>Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>444/5T</td>
<td>100 HP (75 kW)</td>
<td>6</td>
<td>60 Hz</td>
<td>208-230/460 V</td>
<td>276-250/125 A</td>
<td>5.7x(Code G)</td>
<td>96.6-112/56.0 A</td>
<td>1190 rpm</td>
<td>0.83 %</td>
<td>60.2 kgfm</td>
<td>210 %</td>
<td>240 %</td>
<td>F</td>
<td>1.15</td>
<td>1.85 kgm²</td>
<td>B</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Locked rotor time</th>
<th>Temperature rise</th>
<th>Duty cycle</th>
<th>Ambient temperature</th>
<th>Altitude</th>
<th>Protection degree</th>
<th>Cooling method</th>
<th>Mounting</th>
<th>Rotation¹</th>
<th>Noise level²</th>
<th>Starting method</th>
<th>Approx. weight³</th>
<th>Approx. weight³</th>
</tr>
</thead>
<tbody>
<tr>
<td>32s (cold) 18s (hot)</td>
<td>105 K</td>
<td>Cont.(S1)</td>
<td>-20°C to +40°C</td>
<td>1000 m.a.s.l.</td>
<td>IP23</td>
<td>IC01 - ODP</td>
<td>F-1</td>
<td>Both (CW and CCW)</td>
<td>77.0 dB(A)</td>
<td>Direct On Line</td>
<td>612 kg</td>
<td></td>
</tr>
</tbody>
</table>

**Output:** 25% 50% 75% 100%  
**Foundation loads:**  
**Efficiency (%):** 94.4 94.5 95.0 95.0  
**Max. traction:** 1169 kgf  
**Max. compression:** 1780 kgf  
**Drive end:** 6319 C3  
**Non drive end:** 6316 C3  
**Sealing:** Without Bearing Seal  
**Lubrication interval:** 20000 h  
**Lubricant amount:** 45 g  
**Lubricant type:** Mobil Polyrex EM  

**Notes:**  
This revision replaces and cancel the previous one, which must be eliminated.  
1. Looking the motor from the shaft end.  
2. Measured at 1m and with tolerance of +3dB(A).  
3. Approximate weight subject to changes after manufacturing process.  
4. At 100% of full load.  
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.