### CAST IRON ODP

**ASHH, NEMA PREMIUM [DHP]**

<table>
<thead>
<tr>
<th>Applications:</th>
<th>Features:</th>
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</thead>
<tbody>
<tr>
<td>Fans &amp; Blowers</td>
<td>Output Range: 1 - 800 HP</td>
</tr>
<tr>
<td>Pumps</td>
<td>Speed: 3600, 1800 &amp; 1200 RPM</td>
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<tr>
<td>Compressors</td>
<td>Enclosure: Open Drip Proof (IP22)</td>
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<tr>
<td>HVAC Equipment</td>
<td>Voltage: 230/460V (Usable on 208V); 150HP and Larger is 460V Only*(1)</td>
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<tr>
<td>Fire Pumps*</td>
<td>Three Phase, 60 Hz, 1.15 Service Factor (Continuous); 50 Hz, 1.0 Service Factor (Continuous)</td>
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</tbody>
</table>

### Features:
- Class F Insulation
- Class B Temperature Rise
- NEMA Design B Torques
- Cast Iron Frame and End Brackets
- Rolled Steel Main Conduit Box
- Grounding Terminal Inside Main Conduit Box
- Oversized Main Conduit Box Rotatable in 90 Degree Increments - F1 Mounted
- Designed for 40°C Ambient Temperature *(2)*
- Designed for 3300 ft. Elevation *(3)*
- Bi-Directional Rotation
- 1045 Carbon Steel Shaft
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Paint System: Phenolic Rust Proof Base Plus Polyurethane Top Coat
- Paint Color: Light Gray - Munsell N5.0
- Double Shielded Bearings Pre-Packed with MULTEMP SRL for F# 140T - 280T (Non-regreasable)
- High Quality Ball (or Roller) Bearings regreasable with Mobil Polyrex™ EM for F# 280TS and Larger
- Labyrinth Type Metal Flinger on Both Ends for F# 280TS and Larger
- Cast Iron Inner and Outer Bearing Caps for F#280TS and Larger
- Stainless Steel Nameplate
- New Dual Column Design Nameplate as Standard (60/50 Hz)
- Suitable for Inverter Use per NEMA MG-1.4.4.2, Part 31 *(4)*
- Inverter Duty Speed Range: 20:1 Variable Torque, 10:1 Constant Torque
- 9 Leads for 5 HP and Smaller;
- 12 Leads for 7.5 HP to 125 HP;
- 6 Leads for 150 HP and Larger
- Motors are U.L. Recognized, CSA Approved and CE Marked

### Extras/ Options:

Please refer to the modifications document for common modifications that can be performed.

### Notes:
- * Fire Pump available. See product page for more details.
- *(1)* Available in 575V. TWMC carries minimal 575V stock; please check availability to ensure required motors are in stock.
  
  Ratings may be available from our Canadian warehouses and/or our factory. Pricing and leadtime may vary.
- *(2)* Consult a Stock Product Application Specialist for suitability in higher ambient environments.
- *(3)* Consult a Stock Product Application Specialist for suitability in higher elevations.
- *(4)* Motor service factor is 1.0 when operated on a VFD.
- *(5)* Precautions should be taken to eliminate or reduce shaft currents that may be imposed on the motor by the VFD as stated per NEMA MG-1, Part 31.