Features and Benefits

- Available as 1E – Safety Related, or Non-1E Classification
- Cast iron construction – frames and end brackets
- Class H insulation system for extended thermal life
- VPI insulation available
- Wide range of modifications and accessories available
- Quality assurance per ISO-9001 and 10CFR50, Appendix B
- 40 year design life for Nuclear Power Generation Plants
- XE Premium Efficient design
- Enclosure is TEFC-XEX (severe duty)
- 3 phase, 60 Hz, 460 volts
- Neoprene terminal board gasket lead separator
- Zinc plated hex head hardware
- Patented PLS® re-greasable bearing system
- Cast iron bearing inner caps
- Automatic stainless T drains
- Insulation suitable for inverters and meets NEMA MG-1 section IV, part 31.40.4.2 (1600 volts)
- Low loss fan design reduces friction and windage losses
- Diagonally split conduit box exceeds NEC and NEMA volume standards and can be rotated in 90 increments
- Easy to access relubable bearings

Software documents consisting of:

- Seismic Analysis in accordance with IEEE 334-1994
- IEEE 334-1994 Environmental Qualification report
- Certified Dimension Print
- Routine Test Report
- Performance Data and Curves
## Comparison

<table>
<thead>
<tr>
<th>Mild Environment</th>
<th>Harsh Environment</th>
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</thead>
<tbody>
<tr>
<td>• Dedicated per 10CFR50, Appendix B QA program</td>
<td>• Manufactured per 10CFR50, Appendix B QA program</td>
</tr>
<tr>
<td>• Class F, H, VPI Insulation</td>
<td>• Class H - RH</td>
</tr>
<tr>
<td>• 1 $\times$ 10$^4$ RADS</td>
<td>• 2 $\times$ 10$^8$ RADS</td>
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<tr>
<td>• Designed, manufactured, &amp; tested to applicable Industry Standards</td>
<td>• Designed, manufactured, &amp; tested specific to qualification purpose</td>
</tr>
<tr>
<td>• 40 year design life</td>
<td>• 40 year qualification life</td>
</tr>
<tr>
<td>• Polypropylene Fan</td>
<td>• Brass Fan</td>
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<tr>
<td>• Neoprene Lip Seal</td>
<td>• Viton Lip Seal</td>
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