LM6000 PA Upgrade

Product Description
- GE AEP packaged LM6000PA model can be updated to the current LM6000 PC configuration by:
  - Uprating to the LM6000 PAU with a kit so that it exhibits the same performance as the production PC model
  - Replaced with a production LM6000 PC
- Gas turbine consists of:
  - a five-stage Low Pressure Compressor (LPC) driven by a five-stage Low Pressure Turbine (LPT)
  - 14-stage High Pressure Compressor (HPC)
  - an annular combustor fitted with thirty, externally-mounted fuel nozzles
  - associated fuel and water/steam manifolds and manifold shipping brackets
  - two-stage High Pressure Turbine (HPT)
  - accessory drive gearbox
  - variable geometry pumps and servo valving
  - a lubrication oil pump and delivery system
- For increased performance and greater efficiency, it is recommended that SPRINT *, and VIGVs with EFS be considered as supporting upgrades alongside the PA to PC Uprate.

Customer Value
- Improved power, heat rate, and reliability attributed to improvements made to the:
  - LPC stator
    - Higher-efficiency stage 0-3 vanes
  - Top case common for stages 0-4
  - Improved stage 3 bushing life
  - LPT module
    - Larger, more rugged, and more efficient stages 3-5
    - Improved LPT turbine rear frame with larger exhaust area
    - Reduced exhaust system losses, exhaust velocities and noise
  - Increased performance and enhanced engine emission control
  - New engine yields over the PA model can range between 5-12%, with a heat conservation improvement of 4-6%.

Applicable Units:

<table>
<thead>
<tr>
<th>LM6000</th>
<th>✓</th>
<th>LM2500</th>
</tr>
</thead>
<tbody>
<tr>
<td>LMS100</td>
<td></td>
<td>LM5000</td>
</tr>
<tr>
<td>LM1600</td>
<td></td>
<td>TM2500</td>
</tr>
</tbody>
</table>

Does not apply to off-shore applications

GE’s global service network provides life cycle support for more than 3,500 aeroderivative gas turbines worldwide to help you meet your business challenges and success metrics – anywhere and anytime. Our global service network connects with you locally for rapid response to your service needs.

www.powergen.gepower.com

© 2015 General Electric Company. Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions.