

PACKAGE DATA [57LGE05]

SEPTEMBER 18, 2020

For Help Desk Phone Numbers [Click here](#)

| | | | | | |
|----------------------------|---------|-----------------------------------|---------|-----------------------------|-----------|
| Feature Code: | 57LGE05 | Rating Type: | STANDBY | Sales model Package: | DG80-2 |
| Engine Sales Model: | 5.7LT | Engine Arrangement Number: | 4830907 | Hertz: | 60 |
| EKW W/F: | 80.0 | Noise Reduction: | 0 dBA | Back Pressure: | 0.0 inH2O |

Engine Package Information

Engine Package Data

Package Cooling Information

Open Cooling Data

| % Load | Airflow Rate scfm | | | Ambient Capability Sea Level (Deg F) | | | Ambient Capability 300 m (Deg F) | | | Ambient Capability 600 m (Deg F) | | | Ambient Capability 900 m (Deg F) | | |
|--------|-------------------|-------|-------|--------------------------------------|-------|-------|----------------------------------|-------|-------|----------------------------------|-------|-------|----------------------------------|-------|-------|
| | 0 | 1/2 | 3/4 | 0 | 1/2 | 3/4 | 0 | 1/2 | 3/4 | 0 | 1/2 | 3/4 | 0 | 1/2 | 3/4 |
| | inH2O | inH2O | inH2O | inH2O | inH2O | inH2O | inH2O | inH2O | inH2O | inH2O | inH2O | inH2O | inH2O | inH2O | inH2O |
| 100.0 | 8369 | 7522 | 6886 | 141 | 132 | 129 | 138 | 129 | 125 | 134 | 125 | 122 | 131 | 122 | 118 |
| 75.0 | 8369 | 7522 | 6886 | 156 | 147 | 143 | 152 | 143 | 140 | 149 | 140 | 136 | 145 | 136 | 132 |
| 50.0 | 8369 | 7522 | 6886 | 170 | 161 | 158 | 167 | 158 | 154 | 163 | 154 | 150 | 159 | 150 | 147 |
| 25.0 | 8369 | 7522 | 6886 | 185 | 176 | 172 | 181 | 172 | 168 | 177 | 168 | 165 | 174 | 165 | 161 |

SA Level 1 Canopy Cooling Data

| % Load | Airflow Rate scfm | Ambient Capability Sea Level (Deg F) | Ambient Capability 300 m (Deg F) | Ambient Capability 600 m (Deg F) | Ambient Capability 900 m (Deg F) |
|--------|-------------------|--------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| 100.0 | 7380 | 125 | 122 | 118 | 114 |
| 75.0 | 7380 | 141 | 138 | 134 | 131 |
| 50.0 | 7380 | 156 | 152 | 149 | 145 |
| 25.0 | 7380 | 170 | 167 | 163 | 159 |

WP Canopy - Industrial Cooling Data

| % Load | Airflow Rate scfm | Ambient Capability Sea Level (Deg F) | Ambient Capability 300 m (Deg F) | Ambient Capability 600 m (Deg F) | Ambient Capability 900 m (Deg F) |
|--------|-------------------|--------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| 100.0 | 7875 | 127 | 123 | 120 | 116 |
| 75.0 | 7875 | 141 | 138 | 134 | 131 |
| 50.0 | 7875 | 156 | 152 | 149 | 145 |
| 25.0 | 7875 | 168 | 165 | 161 | 158 |

Package Sound Information

Sound Comments :

SA Level 1 Canopy Sound Data

Distance: 3.3 Feet

| EKW W/F | % LOAD | OVERALL SOUND DB(A) | OBCF 63HZ DB | OBCF 125HZ DB | OBCF 250HZ DB | OBCF 500HZ DB | OBCF 1000HZ DB | OBCF 2000HZ DB | OBCF 4000HZ DB | OBCF 8000HZ DB |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 80.0 | 100.0 | 87.8 | 83.9 | 91.8 | 85.7 | 82.9 | 80.7 | 79.8 | 80.5 | 77.2 |
| 60.0 | 75.0 | 86.1 | 83.1 | 90.1 | 85.1 | 82.2 | 79.9 | 77.8 | 77.0 | 72.8 |
| 40.0 | 50.0 | 84.9 | 82.6 | 87.6 | 84.9 | 81.8 | 79.2 | 76.3 | 74.4 | 69.6 |
| 20.0 | 25.0 | 84.3 | 82.3 | 84.4 | 84.9 | 81.6 | 78.9 | 75.4 | 72.5 | 67.6 |

Distance: 23.0 Feet

| EKW W/F | % LOAD | OVERALL SOUND DB(A) | OBCF 63HZ DB | OBCF 125HZ DB | OBCF 250HZ DB | OBCF 500HZ DB | OBCF 1000HZ DB | OBCF 2000HZ DB | OBCF 4000HZ DB | OBCF 8000HZ DB |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 80.0 | 100.0 | 74.8 | 76.4 | 80.1 | 78.6 | 72.2 | 65.5 | 66.7 | 64.4 | 60.5 |
| 60.0 | 75.0 | 73.6 | 75.6 | 78.1 | 78.4 | 71.4 | 64.9 | 64.5 | 61.4 | 57.0 |
| 40.0 | 50.0 | 72.8 | 75.1 | 76.0 | 77.8 | 71.0 | 64.4 | 62.8 | 59.1 | 54.5 |
| 20.0 | 25.0 | 72.3 | 74.8 | 73.8 | 76.9 | 70.8 | 64.2 | 61.7 | 57.6 | 53.0 |

Distance: 49.2 Feet

| EKW W/F | % LOAD | OVERALL SOUND DB(A) | OBCF 63HZ DB | OBCF 125HZ DB | OBCF 250HZ DB | OBCF 500HZ DB | OBCF 1000HZ DB | OBCF 2000HZ DB | OBCF 4000HZ DB | OBCF 8000HZ DB |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 80.0 | 100.0 | 68.8 | 70.4 | 74.1 | 72.6 | 66.2 | 59.5 | 60.7 | 58.4 | 54.5 |
| 60.0 | 75.0 | 67.6 | 69.6 | 72.1 | 72.4 | 65.4 | 58.9 | 58.5 | 55.4 | 51.0 |
| 40.0 | 50.0 | 66.8 | 69.1 | 70.0 | 71.8 | 65.0 | 58.4 | 56.8 | 53.1 | 48.5 |
| 20.0 | 25.0 | 66.3 | 68.8 | 67.8 | 70.9 | 64.8 | 58.2 | 55.7 | 51.6 | 47.0 |

WP Canopy - Industrial Sound Data

Distance: 3.3 Feet

| EKW W/F | % LOAD | OVERALL SOUND DB(A) | OBCF 63HZ DB | OBCF 125HZ DB | OBCF 250HZ DB | OBCF 500HZ DB | OBCF 1000HZ DB | OBCF 2000HZ DB | OBCF 4000HZ DB | OBCF 8000HZ DB |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 80.0 | 100.0 | 93.8 | 84.8 | 93.7 | 88.5 | 91.3 | 88.7 | 86.6 | 82.1 | 77.1 |
| 60.0 | 75.0 | 93.5 | 83.2 | 91.9 | 88.6 | 91.4 | 88.4 | 86.1 | 81.8 | 76.7 |
| 40.0 | 50.0 | 93.4 | 82.9 | 89.4 | 88.6 | 91.5 | 88.1 | 85.7 | 81.6 | 76.4 |
| 20.0 | 25.0 | 93.2 | 83.9 | 86.2 | 88.4 | 91.6 | 87.8 | 85.5 | 81.5 | 76.3 |

Distance: 23.0 Feet

| EKW W/F | % LOAD | OVERALL SOUND DB(A) | OBCF 63HZ DB | OBCF 125HZ DB | OBCF 250HZ DB | OBCF 500HZ DB | OBCF 1000HZ DB | OBCF 2000HZ DB | OBCF 4000HZ DB | OBCF 8000HZ DB |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 80.0 | 100.0 | 80.1 | 76.3 | 86.9 | 82.4 | 75.5 | 74.1 | 71.4 | 66.3 | 61.1 |
| 60.0 | 75.0 | 79.7 | 74.9 | 85.1 | 83.0 | 75.2 | 73.5 | 70.4 | 65.9 | 60.4 |
| 40.0 | 50.0 | 79.4 | 74.9 | 82.4 | 83.3 | 75.1 | 73.0 | 69.9 | 65.7 | 60.1 |
| 20.0 | 25.0 | 79.3 | 76.3 | 78.5 | 83.4 | 75.0 | 72.7 | 69.8 | 65.9 | 60.1 |

Distance: 49.2 Feet

| EKW W/F | % LOAD | OVERALL SOUND DB(A) | OBCF 63HZ DB | OBCF 125HZ DB | OBCF 250HZ DB | OBCF 500HZ DB | OBCF 1000HZ DB | OBCF 2000HZ DB | OBCF 4000HZ DB | OBCF 8000HZ DB |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 80.0 | 100.0 | 74.1 | 70.3 | 80.9 | 76.4 | 69.5 | 68.1 | 65.4 | 60.3 | 55.1 |
| 60.0 | 75.0 | 73.7 | 68.9 | 79.1 | 77.0 | 69.2 | 67.5 | 64.4 | 59.9 | 54.4 |
| 40.0 | 50.0 | 73.4 | 68.9 | 76.4 | 77.3 | 69.1 | 67.0 | 63.9 | 59.7 | 54.1 |
| 20.0 | 25.0 | 73.3 | 70.3 | 72.5 | 77.4 | 69.0 | 66.7 | 63.8 | 59.9 | 54.1 |

Open Exhaust Sound Data

Distance: 3.3 Feet

| EKW W/F | % LOAD | OVERALL SOUND DB(A) | OBCF 63HZ DB | OBCF 125HZ DB | OBCF 250HZ DB | OBCF 500HZ DB | OBCF 1000HZ DB | OBCF 2000HZ DB | OBCF 4000HZ DB | OBCF 8000HZ DB |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 80.0 | 100.0 | 96.0 | 84.0 | 107.0 | 95.0 | 91.0 | 92.0 | 86.0 | 76.0 | 61.0 |
| 60.0 | 75.0 | 95.0 | 82.0 | 105.0 | 95.0 | 89.0 | 91.0 | 83.0 | 71.0 | 57.0 |
| 40.0 | 50.0 | 92.0 | 84.0 | 101.0 | 95.0 | 88.0 | 87.0 | 81.0 | 67.0 | 53.0 |
| 20.0 | 25.0 | 88.0 | 88.0 | 96.0 | 89.0 | 85.0 | 83.0 | 75.0 | 58.0 | 50.0 |

Open Mechanical Sound Data

Distance: 3.3 Feet

| EKW W/F | % LOAD | OVERALL SOUND DB(A) | OBCF 63HZ DB | OBCF 125HZ DB | OBCF 250HZ DB | OBCF 500HZ DB | OBCF 1000HZ DB | OBCF 2000HZ DB | OBCF 4000HZ DB | OBCF 8000HZ DB |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 80.0 | 100.0 | 99.1 | 82.4 | 84.1 | 91.3 | 94.7 | 92.4 | 93.0 | 91.3 | 88.5 |
| 60.0 | 75.0 | 98.0 | 80.8 | 83.5 | 91.1 | 94.3 | 91.9 | 91.8 | 89.1 | 85.1 |
| 40.0 | 50.0 | 97.3 | 79.4 | 82.9 | 91.0 | 94.2 | 91.7 | 91.1 | 87.5 | 82.7 |
| 20.0 | 25.0 | 97.0 | 78.1 | 82.1 | 90.9 | 94.3 | 91.6 | 90.7 | 86.5 | 81.2 |

Distance: 23.0 Feet

| EKW W/F | % LOAD | OVERALL SOUND DB(A) | OBCF 63HZ DB | OBCF 125HZ DB | OBCF 250HZ DB | OBCF 500HZ DB | OBCF 1000HZ DB | OBCF 2000HZ DB | OBCF 4000HZ DB | OBCF 8000HZ DB |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 80.0 | 100.0 | 89.1 | 72.4 | 74.1 | 81.3 | 84.7 | 82.4 | 83.0 | 81.3 | 78.5 |
| 60.0 | 75.0 | 88.0 | 70.8 | 73.5 | 81.1 | 84.3 | 81.9 | 81.8 | 79.1 | 75.1 |
| 40.0 | 50.0 | 87.3 | 69.4 | 72.9 | 81.0 | 84.2 | 81.7 | 81.1 | 77.5 | 72.7 |
| 20.0 | 25.0 | 87.0 | 68.1 | 72.1 | 80.9 | 84.3 | 81.6 | 80.7 | 76.5 | 71.2 |

Distance: 49.2 Feet

| EKW W/F | % LOAD | OVERALL SOUND DB(A) | OBCF 63HZ DB | OBCF 125HZ DB | OBCF 250HZ DB | OBCF 500HZ DB | OBCF 1000HZ DB | OBCF 2000HZ DB | OBCF 4000HZ DB | OBCF 8000HZ DB |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 80.0 | 100.0 | 83.1 | 66.4 | 68.1 | 75.3 | 78.7 | 76.4 | 77.0 | 75.3 | 72.5 |
| 60.0 | 75.0 | 82.0 | 64.8 | 67.5 | 75.1 | 78.3 | 75.9 | 75.8 | 73.1 | 69.1 |
| 40.0 | 50.0 | 81.3 | 63.4 | 66.9 | 75.0 | 78.2 | 75.7 | 75.1 | 71.5 | 66.7 |
| 20.0 | 25.0 | 81.0 | 62.1 | 66.1 | 74.9 | 78.3 | 75.6 | 74.7 | 70.5 | 65.2 |

Caterpillar Confidential: **Green**
 Content Owner: Commercial Processes Division
 Web Master(s): [PSG Web Based Systems Support](#)
 Current Date: 9/18/2020, 10:42:00 AM
 © Caterpillar Inc. 2020 All Rights Reserved.
[Data Privacy Statement](#).