

PACKAGE DATA [88LGE02]

SEPTEMBER 18, 2020

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| | | | | | |
|----------------------------|----------|-----------------------------------|---------|-----------------------------|-----------|
| Feature Code: | 88LGE02 | Rating Type: | STANDBY | Sales model Package: | DG150-2 |
| Engine Sales Model: | 8.8LTCAC | Engine Arrangement Number: | 4830910 | Hertz: | 60 |
| EKW W/F: | 150.0 | 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 | 15750 | 15008 | 14514 | 140 | 136 | 134 | 136 | 132 | 131 | 132 | 129 | 127 | 129 | 125 | 123 |
| 75.0 | 15750 | 15008 | 14514 | 150 | 149 | 145 | 147 | 145 | 141 | 143 | 141 | 138 | 140 | 138 | 134 |
| 50.0 | 15750 | 15008 | 14514 | 161 | 159 | 156 | 158 | 156 | 152 | 154 | 152 | 149 | 150 | 149 | 145 |
| 25.0 | 15750 | 15008 | 14514 | 172 | 170 | 167 | 168 | 167 | 163 | 165 | 163 | 159 | 161 | 159 | 156 |

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 | 11618 | 111 | 107 | 104 | 100 |
| 75.0 | 11618 | 127 | 123 | 120 | 116 |
| 50.0 | 11618 | 143 | 140 | 136 | 132 |
| 25.0 | 11618 | 159 | 156 | 152 | 149 |

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 | 11230 | 111 | 107 | 104 | 100 |
| 75.0 | 11230 | 125 | 122 | 118 | 114 |
| 50.0 | 11230 | 138 | 134 | 131 | 127 |
| 25.0 | 11230 | 152 | 149 | 145 | 141 |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 150.0 | 100.0 | 88.2 | 86.4 | 84.6 | 87.3 | 86.2 | 81.7 | 80.3 | 77.3 | 74.0 |
| 112.5 | 75.0 | 88.0 | 84.7 | 83.5 | 86.9 | 85.9 | 81.7 | 80.3 | 77.1 | 73.3 |
| 75.0 | 50.0 | 87.9 | 83.1 | 82.3 | 86.6 | 85.7 | 81.7 | 80.3 | 77.0 | 72.8 |
| 37.5 | 25.0 | 87.9 | 81.5 | 80.8 | 86.5 | 85.7 | 81.7 | 80.3 | 76.9 | 72.5 |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 150.0 | 100.0 | 75.4 | 79.7 | 73.7 | 76.8 | 73.1 | 69.3 | 67.0 | 65.2 | 62.7 |
| 112.5 | 75.0 | 75.1 | 78.0 | 73.1 | 76.1 | 72.8 | 69.1 | 66.9 | 64.9 | 62.1 |
| 75.0 | 50.0 | 75.0 | 76.2 | 72.1 | 75.1 | 72.7 | 68.9 | 66.9 | 64.8 | 61.6 |
| 37.5 | 25.0 | 75.0 | 74.6 | 70.6 | 74.0 | 72.8 | 68.9 | 67.1 | 64.8 | 61.2 |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 150.0 | 100.0 | 69.4 | 73.7 | 67.7 | 70.8 | 67.1 | 63.3 | 61.0 | 59.2 | 56.7 |
| 112.5 | 75.0 | 69.1 | 72.0 | 67.1 | 70.1 | 66.8 | 63.1 | 60.9 | 58.9 | 56.1 |
| 75.0 | 50.0 | 69.0 | 70.2 | 66.1 | 69.1 | 66.7 | 62.9 | 60.9 | 58.8 | 55.6 |
| 37.5 | 25.0 | 69.0 | 68.6 | 64.6 | 68.0 | 66.8 | 62.9 | 61.1 | 58.8 | 55.2 |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 150.0 | 100.0 | 98.8 | 90.1 | 94.9 | 93.4 | 94.8 | 93.6 | 92.7 | 88.3 | 83.3 |
| 112.5 | 75.0 | 98.7 | 89.0 | 94.6 | 93.1 | 94.6 | 93.7 | 92.7 | 88.2 | 83.3 |
| 75.0 | 50.0 | 98.7 | 87.2 | 92.3 | 92.8 | 94.3 | 93.7 | 92.6 | 88.2 | 83.2 |
| 37.5 | 25.0 | 98.6 | 84.8 | 88.1 | 92.5 | 94.2 | 93.6 | 92.7 | 88.2 | 83.1 |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 150.0 | 100.0 | 87.5 | 84.7 | 86.1 | 80.9 | 81.1 | 83.4 | 81.5 | 77.1 | 71.4 |
| 112.5 | 75.0 | 86.9 | 83.0 | 85.0 | 81.1 | 80.6 | 82.6 | 81.0 | 76.6 | 70.8 |
| 75.0 | 50.0 | 86.5 | 80.7 | 82.7 | 81.1 | 80.3 | 82.0 | 80.6 | 76.2 | 70.3 |
| 37.5 | 25.0 | 86.3 | 77.9 | 78.9 | 81.1 | 80.1 | 81.7 | 80.4 | 76.1 | 70.1 |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 150.0 | 100.0 | 81.5 | 78.7 | 80.1 | 74.9 | 75.1 | 77.4 | 75.5 | 71.1 | 65.4 |
| 112.5 | 75.0 | 80.9 | 77.0 | 79.0 | 75.1 | 74.6 | 76.6 | 75.0 | 70.6 | 64.8 |
| 75.0 | 50.0 | 80.5 | 74.7 | 76.7 | 75.1 | 74.3 | 76.0 | 74.6 | 70.2 | 64.3 |
| 37.5 | 25.0 | 80.3 | 71.9 | 72.9 | 75.1 | 74.1 | 75.7 | 74.4 | 70.1 | 64.1 |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 150.0 | 100.0 | 99.0 | 101.0 | 110.0 | 100.0 | 94.0 | 93.0 | 87.0 | 79.0 | 63.0 |
| 112.5 | 75.0 | 97.0 | 99.0 | 109.0 | 97.0 | 92.0 | 91.0 | 84.0 | 76.0 | 58.0 |
| 75.0 | 50.0 | 96.0 | 99.0 | 107.0 | 98.0 | 91.0 | 89.0 | 80.0 | 72.0 | 54.0 |
| 37.5 | 25.0 | 93.0 | 98.0 | 105.0 | 92.0 | 88.0 | 86.0 | 77.0 | 68.0 | 51.0 |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 150.0 | 100.0 | 100.1 | 89.1 | 89.4 | 96.2 | 95.0 | 94.9 | 93.2 | 91.0 | 88.9 |
| 112.5 | 75.0 | 100.0 | 87.6 | 88.1 | 95.1 | 95.2 | 95.0 | 93.3 | 90.5 | 88.1 |
| 75.0 | 50.0 | 99.9 | 86.4 | 86.4 | 94.6 | 95.3 | 95.1 | 93.2 | 90.1 | 87.1 |
| 37.5 | 25.0 | 99.7 | 85.4 | 84.4 | 94.8 | 95.2 | 95.0 | 93.0 | 89.6 | 86.1 |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 150.0 | 100.0 | 90.1 | 79.1 | 79.4 | 86.2 | 85.0 | 84.9 | 83.2 | 81.0 | 78.9 |
| 112.5 | 75.0 | 90.0 | 77.6 | 78.1 | 85.1 | 85.2 | 85.0 | 83.3 | 80.5 | 78.1 |
| 75.0 | 50.0 | 89.9 | 76.4 | 76.4 | 84.6 | 85.3 | 85.1 | 83.2 | 80.1 | 77.1 |
| 37.5 | 25.0 | 89.7 | 75.4 | 74.4 | 84.8 | 85.2 | 85.0 | 83.0 | 79.6 | 76.1 |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 150.0 | 100.0 | 84.1 | 73.1 | 73.4 | 80.2 | 79.0 | 78.9 | 77.2 | 75.0 | 72.9 |
| 112.5 | 75.0 | 84.0 | 71.6 | 72.1 | 79.1 | 79.2 | 79.0 | 77.3 | 74.5 | 72.1 |
| 75.0 | 50.0 | 83.9 | 70.4 | 70.4 | 78.6 | 79.3 | 79.1 | 77.2 | 74.1 | 71.1 |
| 37.5 | 25.0 | 83.7 | 69.4 | 68.4 | 78.8 | 79.2 | 79.0 | 77.0 | 73.6 | 70.1 |

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