

**PACKAGE DATA [NAC148P]****SEPTEMBER 21, 2020**For Help Desk Phone Numbers [Click here](#)

|                     |         |                            |         |                      |           |
|---------------------|---------|----------------------------|---------|----------------------|-----------|
| Feature Code:       | NAC148P | Rating Type:               | STANDBY | Sales model Package: | D50-2LC   |
| Engine Sales Model: | C4.4    | Engine Arrangement Number: | 3837265 | Hertz:               | 60        |
| EKW W/F:            | 50.0    | 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  | 4414              | 3778  | 3460  | 149                                  | 147   | 145   | 145                              | 143   | 141   | 141                              | 140   | 138   | 138                              | 136   | 134   |
| 75.0   | 4414              | 3778  | 3460  | 161                                  | 158   | 158   | 158                              | 154   | 154   | 154                              | 150   | 150   | 150                              | 147   | 147   |
| 50.0   | 4414              | 3778  | 3460  | 172                                  | 170   | 168   | 168                              | 167   | 165   | 165                              | 163   | 161   | 161                              | 159   | 158   |
| 25.0   | 4414              | 3778  | 3460  | 185                                  | 183   | 181   | 181                              | 179   | 177   | 177                              | 176   | 174   | 174                              | 172   | 170   |

**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  | 4025              | 141                                  | 138                              | 134                              | 131                              |
| 75.0   | 4025              | 152                                  | 149                              | 145                              | 141                              |
| 50.0   | 4025              | 161                                  | 158                              | 154                              | 150                              |
| 25.0   | 4025              | 172                                  | 168                              | 165                              | 161                              |

**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  | 4025              | 141                                  | 138                              | 134                              | 131                              |
| 75.0   | 4025              | 152                                  | 149                              | 145                              | 141                              |
| 50.0   | 4025              | 161                                  | 158                              | 154                              | 150                              |
| 25.0   | 4025              | 172                                  | 168                              | 165                              | 161                              |

**Package Sound Information**

Sound Comments : Open Exhaust Data @ 0.5m

**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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 50.0    | 100.0  | 87.5                | 92.8         | 86.3          | 85.7          | 83.8          | 82.5           | 79.9           | 76.3           | 74.6           |
| 37.5    | 75.0   | 86.8                | 91.0         | 85.3          | 85.2          | 82.8          | 81.7           | 79.3           | 76.1           | 73.5           |
| 25.0    | 50.0   | 86.2                | 89.5         | 84.2          | 84.6          | 82.0          | 81.2           | 78.9           | 75.6           | 72.6           |
| 12.5    | 25.0   | 85.7                | 88.5         | 82.9          | 83.8          | 81.3          | 80.8           | 78.4           | 75.1           | 71.8           |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 50.0    | 100.0  | 74.3                | 85.8         | 73.4          | 76.1          | 71.0          | 69.1           | 67.0           | 62.8           | 61.2           |
| 37.5    | 75.0   | 73.7                | 84.4         | 72.9          | 75.6          | 70.0          | 68.6           | 66.5           | 62.6           | 60.4           |
| 25.0    | 50.0   | 73.2                | 83.2         | 72.4          | 74.0          | 69.2          | 68.2           | 66.0           | 62.1           | 59.6           |
| 12.5    | 25.0   | 72.7                | 82.2         | 72.0          | 71.4          | 68.4          | 68.0           | 65.6           | 61.5           | 58.9           |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 50.0    | 100.0  | 68.3                | 79.8         | 67.4          | 70.1          | 65.0          | 63.1           | 61.0           | 56.8           | 55.2           |
| 37.5    | 75.0   | 67.7                | 78.4         | 66.9          | 69.6          | 64.0          | 62.6           | 60.5           | 56.6           | 54.4           |
| 25.0    | 50.0   | 67.2                | 77.2         | 66.4          | 68.0          | 63.2          | 62.2           | 60.0           | 56.1           | 53.6           |
| 12.5    | 25.0   | 66.7                | 76.2         | 66.0          | 65.4          | 62.4          | 62.0           | 59.6           | 55.5           | 52.9           |

**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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 50.0    | 100.0  | 100.3               | 102.5        | 100.0         | 95.0          | 94.8          | 96.6           | 93.5           | 88.6           | 81.0           |
| 37.5    | 75.0   | 98.3                | 100.3        | 96.9          | 92.8          | 92.9          | 94.4           | 91.8           | 87.2           | 79.7           |
| 25.0    | 50.0   | 96.1                | 98.3         | 93.4          | 90.4          | 91.0          | 91.9           | 89.6           | 85.4           | 78.5           |
| 12.5    | 25.0   | 93.6                | 96.2         | 89.6          | 87.9          | 89.0          | 89.2           | 86.9           | 83.1           | 77.5           |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 50.0    | 100.0  | 85.7                | 92.8         | 82.7          | 79.9          | 80.3          | 80.7           | 79.6           | 76.8           | 71.6           |
| 37.5    | 75.0   | 84.2                | 90.9         | 80.3          | 78.9          | 79.1          | 79.1           | 77.9           | 75.1           | 69.8           |
| 25.0    | 50.0   | 82.2                | 88.6         | 77.8          | 76.8          | 77.6          | 77.2           | 75.6           | 72.8           | 67.9           |
| 12.5    | 25.0   | 79.8                | 86.0         | 75.1          | 73.5          | 75.7          | 74.9           | 72.9           | 70.1           | 65.9           |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 50.0    | 100.0  | 79.7                | 86.8         | 76.7          | 73.9          | 74.3          | 74.7           | 73.6           | 70.8           | 65.6           |
| 37.5    | 75.0   | 78.2                | 84.9         | 74.3          | 72.9          | 73.1          | 73.1           | 71.9           | 69.1           | 63.8           |
| 25.0    | 50.0   | 76.2                | 82.6         | 71.8          | 70.8          | 71.6          | 71.2           | 69.6           | 66.8           | 61.9           |
| 12.5    | 25.0   | 73.8                | 80.0         | 69.1          | 67.5          | 69.7          | 68.9           | 66.9           | 64.1           | 59.9           |

**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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 50.0    | 100.0  | 110.0               | 110.0        | 113.0         | 112.0         | 105.0         | 106.0          | 101.0          | 95.0           | 81.0           |
| 37.5    | 75.0   | 108.0               | 110.0        | 111.0         | 110.0         | 103.0         | 104.0          | 99.0           | 91.0           | 78.0           |
| 25.0    | 50.0   | 105.0               | 110.0        | 107.0         | 105.0         | 100.0         | 102.0          | 95.0           | 85.0           | 73.0           |
| 12.5    | 25.0   | 101.0               | 108.0        | 102.0         | 100.0         | 97.0          | 98.0           | 91.0           | 80.0           | 71.0           |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 50.0    | 100.0  | 92.2                | 88.9         | 87.9          | 89.0          | 85.7          | 88.4           | 85.6           | 80.5           | 78.6           |
| 37.5    | 75.0   | 91.8                | 88.9         | 87.5          | 88.7          | 85.1          | 87.8           | 85.6           | 80.0           | 75.5           |
| 25.0    | 50.0   | 91.3                | 88.0         | 86.4          | 87.8          | 84.4          | 87.4           | 85.3           | 79.5           | 73.6           |
| 12.5    | 25.0   | 90.8                | 86.4         | 84.8          | 86.2          | 83.6          | 87.3           | 84.6           | 79.1           | 72.8           |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 50.0    | 100.0  | 82.2                | 78.9         | 77.9          | 79.0          | 75.7          | 78.4           | 75.6           | 70.5           | 68.6           |
| 37.5    | 75.0   | 81.8                | 78.9         | 77.5          | 78.7          | 75.1          | 77.8           | 75.6           | 70.0           | 65.5           |
| 25.0    | 50.0   | 81.3                | 78.0         | 76.4          | 77.8          | 74.4          | 77.4           | 75.3           | 69.5           | 63.6           |
| 12.5    | 25.0   | 80.8                | 76.4         | 74.8          | 76.2          | 73.6          | 77.3           | 74.6           | 69.1           | 62.8           |

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 |
|---------|--------|---------------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 50.0    | 100.0  | 76.2                | 72.9         | 71.9          | 73.0          | 69.7          | 72.4           | 69.6           | 64.5           | 62.6           |
| 37.5    | 75.0   | 75.8                | 72.9         | 71.5          | 72.7          | 69.1          | 71.8           | 69.6           | 64.0           | 59.5           |
| 25.0    | 50.0   | 75.3                | 72.0         | 70.4          | 71.8          | 68.4          | 71.4           | 69.3           | 63.5           | 57.6           |
| 12.5    | 25.0   | 74.8                | 70.4         | 68.8          | 70.2          | 67.6          | 71.3           | 68.6           | 63.1           | 56.8           |

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