

# PACKAGE DATA [C18PD1A]

NOVEMBER 10, 2021

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<b>Feature Code:</b>	C18PD1A	<b>Rating Type:</b>	STANDBY	<b>Sales model Package:</b>	D650-2
<b>Engine Sales Model:</b>	C18PD	<b>Engine Arrangement Number:</b>	5365365	<b>Hertz:</b>	60
<b>EKW W/F:</b>	650.0	<b>Noise Reduction:</b>	0 dBA	<b>Back Pressure:</b>	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	35844	31747	31253	140	136	134	136	132	131	132	129	127	129	125	123
75.0	35844	31747	31253	152	149	147	149	145	143	145	141	140	141	138	136
50.0	35844	31747	31253	165	161	159	161	158	156	158	154	152	154	150	149
25.0	35844	31747	31253	179	176	172	176	172	168	172	168	165	168	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	26874	127	123	120	116
75.0	26874	141	138	134	131
50.0	26874	156	152	149	145
25.0	26874	170	167	163	159

### WP Canopy - Critical 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	26874	123	120	116	113
75.0	26874	138	134	131	127
50.0	26874	152	149	145	141
25.0	26874	167	163	159	156

## Package Sound Information

Sound Comments :

## Open Sound Data

**Distance:** 3.3 Feet

<b>EKW W/F</b>	<b>% LOAD</b>	<b>OVERALL SOUND DB(A)</b>	<b>OBCF 125HZ DB</b>	<b>OBCF 250HZ DB</b>	<b>OBCF 500HZ DB</b>	<b>OBCF 1000HZ DB</b>	<b>OBCF 2000HZ DB</b>	<b>OBCF 4000HZ DB</b>	<b>OBCF 8000HZ DB</b>
650.0	100.0	104.1	99.8	101.4	100.2	98.9	96.1	93.3	95.9
487.5	75.0	103.7	99.4	101.4	100.3	98.9	95.5	92.2	93.9
325.0	50.0	103.2	99.0	101.4	100.2	98.7	94.7	91.3	91.6
162.5	25.0	102.6	98.5	101.3	99.9	98.1	93.9	90.4	88.8

**Distance:** 23.0 Feet

<b>EKW W/F</b>	<b>% LOAD</b>	<b>OVERALL SOUND DB(A)</b>	<b>OBCF 125HZ DB</b>	<b>OBCF 250HZ DB</b>	<b>OBCF 500HZ DB</b>	<b>OBCF 1000HZ DB</b>	<b>OBCF 2000HZ DB</b>	<b>OBCF 4000HZ DB</b>	<b>OBCF 8000HZ DB</b>
650.0	100.0	94.1	89.8	91.4	90.2	88.9	86.1	83.3	85.9
487.5	75.0	93.7	89.4	91.4	90.3	88.9	85.5	82.2	83.9
325.0	50.0	93.2	89.0	91.4	90.2	88.7	84.7	81.3	81.6
162.5	25.0	92.6	88.5	91.3	89.9	88.1	83.9	80.4	78.8

**Distance:** 49.2 Feet

<b>EKW W/F</b>	<b>% LOAD</b>	<b>OVERALL SOUND DB(A)</b>	<b>OBCF 125HZ DB</b>	<b>OBCF 250HZ DB</b>	<b>OBCF 500HZ DB</b>	<b>OBCF 1000HZ DB</b>	<b>OBCF 2000HZ DB</b>	<b>OBCF 4000HZ DB</b>	<b>OBCF 8000HZ DB</b>
650.0	100.0	88.1	83.8	85.4	84.2	82.9	80.1	77.3	79.9
487.5	75.0	87.7	83.4	85.4	84.3	82.9	79.5	76.2	77.9
325.0	50.0	87.2	83.0	85.4	84.2	82.7	78.7	75.3	75.6
162.5	25.0	86.6	82.5	85.3	83.9	82.1	77.9	74.4	72.8

## SA Level 1 Canopy Sound Data

**Distance:** 3.3 Feet

<b>EKW W/F</b>	<b>% LOAD</b>	<b>OVERALL SOUND DB(A)</b>	<b>OBCF 125HZ DB</b>	<b>OBCF 250HZ DB</b>	<b>OBCF 500HZ DB</b>	<b>OBCF 1000HZ DB</b>	<b>OBCF 2000HZ DB</b>	<b>OBCF 4000HZ DB</b>	<b>OBCF 8000HZ DB</b>
650.0	100.0	84.9	93.6	88.8	81.2	76.2	71.3	68.8	71.4
487.5	75.0	84.3	92.4	88.4	80.9	76.0	70.6	67.0	68.7
325.0	50.0	83.7	91.0	88.0	80.7	75.7	69.8	65.7	66.1
162.5	25.0	83.2	89.4	87.8	80.5	75.3	69.1	64.8	63.3

**Distance:** 23.0 Feet

<b>EKW W/F</b>	<b>% LOAD</b>	<b>OVERALL SOUND DB(A)</b>	<b>OBCF 125HZ DB</b>	<b>OBCF 250HZ DB</b>	<b>OBCF 500HZ DB</b>	<b>OBCF 1000HZ DB</b>	<b>OBCF 2000HZ DB</b>	<b>OBCF 4000HZ DB</b>	<b>OBCF 8000HZ DB</b>
650.0	100.0	75.0	81.8	76.9	73.0	68.1	62.4	59.6	61.3
487.5	75.0	74.5	81.0	76.5	73.0	67.7	61.5	57.9	58.8
325.0	50.0	74.1	79.8	76.0	72.9	67.4	60.7	56.6	56.5

162.5 25.0 73.6 78.1 75.5 72.7 67.2 60.1 55.6 54.2

**Distance: 49.2 Feet**

<b>EKW W/F</b>	<b>% LOAD</b>	<b>OVERALL SOUND DB(A)</b>	<b>OBCF 125HZ DB</b>	<b>OBCF 250HZ DB</b>	<b>OBCF 500HZ DB</b>	<b>OBCF 1000HZ DB</b>	<b>OBCF 2000HZ DB</b>	<b>OBCF 4000HZ DB</b>	<b>OBCF 8000HZ DB</b>
650.0	100.0	69.0	75.8	70.9	67.0	62.1	56.4	53.6	55.3
487.5	75.0	68.5	75.0	70.5	67.0	61.7	55.5	51.9	52.8
325.0	50.0	68.1	73.8	70.0	66.9	61.4	54.7	50.6	50.5
162.5	25.0	67.6	72.1	69.5	66.7	61.2	54.1	49.6	48.2

**WP Canopy - Critical Sound Data**

**Distance: 3.3 Feet**

<b>EKW W/F</b>	<b>% LOAD</b>	<b>OVERALL SOUND DB(A)</b>	<b>OBCF 125HZ DB</b>	<b>OBCF 250HZ DB</b>	<b>OBCF 500HZ DB</b>	<b>OBCF 1000HZ DB</b>	<b>OBCF 2000HZ DB</b>	<b>OBCF 4000HZ DB</b>	<b>OBCF 8000HZ DB</b>
650.0	100.0	94.3	102.0	93.8	90.7	86.6	82.2	82.2	88.1
487.5	75.0	93.0	101.1	93.4	90.2	85.9	80.7	79.7	83.9
325.0	50.0	91.8	99.8	92.9	89.7	85.1	79.2	77.6	79.6
162.5	25.0	90.8	97.9	92.4	89.1	84.1	77.6	75.9	75.3

**Distance: 23.0 Feet**

<b>EKW W/F</b>	<b>% LOAD</b>	<b>OVERALL SOUND DB(A)</b>	<b>OBCF 125HZ DB</b>	<b>OBCF 250HZ DB</b>	<b>OBCF 500HZ DB</b>	<b>OBCF 1000HZ DB</b>	<b>OBCF 2000HZ DB</b>	<b>OBCF 4000HZ DB</b>	<b>OBCF 8000HZ DB</b>
650.0	100.0	86.2	92.4	85.8	80.1	79.7	76.0	76.6	79.5
487.5	75.0	85.3	92.9	84.9	80.3	79.3	75.2	74.9	75.9
325.0	50.0	84.4	92.0	84.3	80.2	78.9	74.1	73.0	72.7
162.5	25.0	83.4	89.7	89.8	79.8	78.5	72.6	71.1	69.8

**Open Exhaust Sound Data**

**Distance: 3.3 Feet**

<b>EKW W/F</b>	<b>% LOAD</b>	<b>OVERALL SOUND DB(A)</b>	<b>OBCF 125HZ DB</b>	<b>OBCF 250HZ DB</b>	<b>OBCF 500HZ DB</b>	<b>OBCF 1000HZ DB</b>	<b>OBCF 2000HZ DB</b>	<b>OBCF 4000HZ DB</b>	<b>OBCF 8000HZ DB</b>
650.0	100.0	115.2	121.6	117.1	112.7	106.3	107.4	103.3	90.3
487.5	75.0	113.6	119.5	117.0	111.5	103.7	104.4	99.8	84.7
325.0	50.0	110.2	117.1	113.7	107.8	100.2	100.9	96.1	78.3
162.5	25.0	105.6	113.1	108.2	102.3	96.8	97.1	92.1	73.5

**Distance: 23.0 Feet**

<b>EKW W/F</b>	<b>% LOAD</b>	<b>OVERALL SOUND DB(A)</b>	<b>OBCF 125HZ DB</b>	<b>OBCF 250HZ DB</b>	<b>OBCF 500HZ DB</b>	<b>OBCF 1000HZ DB</b>	<b>OBCF 2000HZ DB</b>	<b>OBCF 4000HZ DB</b>	<b>OBCF 8000HZ DB</b>
650.0	100.0	105.2	111.6	107.1	102.7	96.3	97.4	93.3	80.3

487.5	75.0	103.6	109.5	107.0	101.5	93.7	94.4	89.8	74.7
325.0	50.0	100.2	107.1	103.7	97.8	90.2	90.9	86.1	68.3
162.5	25.0	95.6	103.1	98.2	92.3	86.8	87.1	82.1	63.5

**Distance:** 49.2 Feet

<b>EKW W/F</b>	<b>% LOAD</b>	<b>OVERALL SOUND DB(A)</b>	<b>OBCF 125HZ DB</b>	<b>OBCF 250HZ DB</b>	<b>OBCF 500HZ DB</b>	<b>OBCF 1000HZ DB</b>	<b>OBCF 2000HZ DB</b>	<b>OBCF 4000HZ DB</b>	<b>OBCF 8000HZ DB</b>
650.0	100.0	99.2	105.6	101.1	96.7	90.3	91.4	87.3	74.3
487.5	75.0	97.6	103.5	101.0	95.5	87.7	88.4	83.8	68.7
325.0	50.0	94.2	101.1	97.7	91.8	84.2	84.9	80.1	62.3
162.5	25.0	89.6	97.1	92.2	86.3	80.8	81.1	76.1	57.5

### Open Mechanical Sound Data

**Distance:** 3.3 Feet

<b>EKW W/F</b>	<b>% LOAD</b>	<b>OVERALL SOUND DB(A)</b>	<b>OBCF 125HZ DB</b>	<b>OBCF 250HZ DB</b>	<b>OBCF 500HZ DB</b>	<b>OBCF 1000HZ DB</b>	<b>OBCF 2000HZ DB</b>	<b>OBCF 4000HZ DB</b>	<b>OBCF 8000HZ DB</b>
650.0	100.0	104.1	99.8	101.4	100.2	98.9	96.1	93.3	95.9
487.5	75.0	103.7	99.4	101.4	100.3	98.9	95.5	92.2	93.9
325.0	50.0	103.2	99.0	101.4	100.2	98.7	94.7	91.3	91.6
162.5	25.0	102.6	98.5	101.3	99.9	98.1	93.9	90.4	88.8

**Distance:** 23.0 Feet

<b>EKW W/F</b>	<b>% LOAD</b>	<b>OVERALL SOUND DB(A)</b>	<b>OBCF 125HZ DB</b>	<b>OBCF 250HZ DB</b>	<b>OBCF 500HZ DB</b>	<b>OBCF 1000HZ DB</b>	<b>OBCF 2000HZ DB</b>	<b>OBCF 4000HZ DB</b>	<b>OBCF 8000HZ DB</b>
650.0	100.0	94.1	89.8	91.4	90.2	88.9	86.1	83.3	85.9
487.5	75.0	93.7	89.4	91.4	90.3	88.9	85.5	82.2	83.9
325.0	50.0	93.2	89.0	91.4	90.2	88.7	84.7	81.3	81.6
162.5	25.0	92.6	88.5	91.3	89.9	88.1	83.9	80.4	78.8

**Distance:** 49.2 Feet

<b>EKW W/F</b>	<b>% LOAD</b>	<b>OVERALL SOUND DB(A)</b>	<b>OBCF 125HZ DB</b>	<b>OBCF 250HZ DB</b>	<b>OBCF 500HZ DB</b>	<b>OBCF 1000HZ DB</b>	<b>OBCF 2000HZ DB</b>	<b>OBCF 4000HZ DB</b>	<b>OBCF 8000HZ DB</b>
650.0	100.0	88.1	83.8	85.4	84.2	82.9	80.1	77.3	79.9
487.5	75.0	87.7	83.4	85.4	84.3	82.9	79.5	76.2	77.9
325.0	50.0	87.2	83.0	85.4	84.2	82.7	78.7	75.3	75.6
162.5	25.0	86.6	82.5	85.3	83.9	82.1	77.9	74.4	72.8

