

PACKAGE DATA [C18PD1B]

NOVEMBER 10, 2021

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Feature Code:	C18PD1B	Rating Type:	STANDBY	Sales model Package:	D700-2
Engine Sales Model:	C18PD	Engine Arrangement Number:	5365365	Hertz:	60
EKW W/F:	700.0	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	35844	31747	31253	136	132	129	132	129	125	129	125	122	125	122	118
75.0	35844	31747	31253	149	145	143	145	141	140	141	138	136	138	134	132
50.0	35844	31747	31253	163	159	158	159	156	154	156	152	150	152	149	147
25.0	35844	31747	31253	177	174	172	174	170	168	170	167	165	167	163	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	122	118	114	111
75.0	26874	138	134	131	127
50.0	26874	152	149	145	141
25.0	26874	168	165	161	158

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	118	114	111	107
75.0	26874	134	131	127	123
50.0	26874	149	145	141	138
25.0	26874	165	161	158	154

Package Sound Information

Sound Comments :

Open Sound Data

Distance: 3.3 Feet

EKW W/F	% LOAD	OVERALL SOUND DB(A)	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
700.0	100.0	104.2	99.9	101.4	100.1	98.8	96.3	93.6	96.4
525.0	75.0	103.8	99.5	101.4	100.3	98.9	95.6	92.5	94.4
350.0	50.0	103.3	99.1	101.4	100.3	98.7	94.9	91.4	92.0
175.0	25.0	102.7	98.5	101.3	99.9	98.2	94.0	90.5	89.1

Distance: 23.0 Feet

EKW W/F	% LOAD	OVERALL SOUND DB(A)	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
700.0	100.0	94.2	89.9	91.4	90.1	88.8	86.3	83.6	86.4
525.0	75.0	93.8	89.5	91.4	90.3	88.9	85.6	82.5	84.4
350.0	50.0	93.3	89.1	91.4	90.3	88.7	84.9	81.4	82.0
175.0	25.0	92.7	88.5	91.3	89.9	88.2	84.0	80.5	79.1

Distance: 49.2 Feet

EKW W/F	% LOAD	OVERALL SOUND DB(A)	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
700.0	100.0	88.2	83.9	85.4	84.1	82.8	80.3	77.6	80.4
525.0	75.0	87.8	83.5	85.4	84.3	82.9	79.6	76.5	78.4
350.0	50.0	87.3	83.1	85.4	84.3	82.7	78.9	75.4	76.0
175.0	25.0	86.7	82.5	85.3	83.9	82.2	78.0	74.5	73.1

SA Level 1 Canopy Sound Data

Distance: 3.3 Feet

EKW W/F	% LOAD	OVERALL SOUND DB(A)	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
700.0	100.0	85.1	94.0	88.9	81.3	76.3	71.5	69.4	72.2
525.0	75.0	84.4	92.7	88.5	81.0	76.1	70.7	67.4	69.3
350.0	50.0	83.8	91.2	88.1	80.7	75.7	70.0	65.9	66.5
175.0	25.0	83.3	89.6	87.8	80.5	75.4	69.1	64.8	63.5

Distance: 23.0 Feet

EKW W/F	% LOAD	OVERALL SOUND DB(A)	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
700.0	100.0	75.1	81.9	77.1	72.9	68.2	62.7	60.2	62.0
525.0	75.0	74.6	81.2	76.6	73.0	67.8	61.7	58.3	59.4
350.0	50.0	74.1	80.0	76.1	73.0	67.5	60.8	56.8	56.8

175.0 25.0 73.6 78.2 75.6 72.7 67.2 60.1 55.7 54.4

Distance: 49.2 Feet

EKW W/F	% LOAD	OVERALL SOUND DB(A)	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
700.0	100.0	69.1	75.9	71.1	66.9	62.2	56.7	54.2	56.0
525.0	75.0	68.6	75.2	70.6	67.0	61.8	55.7	52.3	53.4
350.0	50.0	68.1	74.0	70.1	67.0	61.5	54.8	50.8	50.8
175.0	25.0	67.6	72.2	69.6	66.7	61.2	54.1	49.7	48.4

WP Canopy - Critical Sound Data

Distance: 3.3 Feet

EKW W/F	% LOAD	OVERALL SOUND DB(A)	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
700.0	100.0	94.7	102.1	93.9	90.9	86.8	82.6	83.1	89.3
525.0	75.0	93.2	101.4	93.5	90.3	86.1	81.1	80.3	84.8
350.0	50.0	92.0	100.0	93.0	89.7	85.2	79.4	77.9	80.3
175.0	25.0	90.9	98.1	92.4	89.2	84.2	77.7	76.0	75.7

Distance: 23.0 Feet

EKW W/F	% LOAD	OVERALL SOUND DB(A)	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
700.0	100.0	86.5	92.0	86.1	80.0	79.8	76.2	77.2	80.6
525.0	75.0	85.5	92.9	85.1	80.3	79.4	75.5	75.3	76.7
350.0	50.0	84.6	92.2	84.4	80.2	79.0	74.3	73.3	73.2
175.0	25.0	83.5	90.0	83.8	79.8	78.5	72.7	71.3	70.0

Open Exhaust Sound Data

Distance: 3.3 Feet

EKW W/F	% LOAD	OVERALL SOUND DB(A)	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
700.0	100.0	115.4	122.4	116.3	112.5	106.7	108.2	104.3	91.3
525.0	75.0	114.1	120.0	117.3	112.0	104.4	105.1	100.6	86.2
350.0	50.0	110.8	117.5	114.3	108.5	100.7	101.5	96.6	79.2
175.0	25.0	106.0	113.5	108.6	102.8	97.0	97.4	92.4	73.8

Distance: 23.0 Feet

EKW W/F	% LOAD	OVERALL SOUND DB(A)	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
700.0	100.0	105.4	112.4	106.3	102.5	96.7	98.2	94.3	81.3

525.0	75.0	104.1	110.0	107.3	102.0	94.4	95.1	90.6	76.2
350.0	50.0	100.8	107.5	104.3	98.5	90.7	91.5	86.6	69.2
175.0	25.0	96.0	103.5	98.6	92.8	87.0	87.4	82.4	63.8

Distance: 49.2 Feet

EKW W/F	% LOAD	OVERALL SOUND DB(A)	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
700.0	100.0	99.4	106.4	100.3	96.5	90.7	92.2	88.3	75.3
525.0	75.0	98.1	104.0	101.3	96.0	88.4	89.1	84.6	70.2
350.0	50.0	94.8	101.5	98.3	92.5	84.7	85.5	80.6	63.2
175.0	25.0	90.0	97.5	92.6	86.8	81.0	81.4	76.4	57.8

Open Mechanical Sound Data

Distance: 3.3 Feet

EKW W/F	% LOAD	OVERALL SOUND DB(A)	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
700.0	100.0	104.2	99.9	101.4	100.1	98.8	96.3	93.6	96.4
525.0	75.0	103.8	99.5	101.4	100.3	98.9	95.6	92.5	94.4
350.0	50.0	103.3	99.1	101.4	100.3	98.7	94.9	91.4	92.0
175.0	25.0	102.7	98.5	101.3	99.9	98.2	94.0	90.5	89.1

Distance: 23.0 Feet

EKW W/F	% LOAD	OVERALL SOUND DB(A)	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
700.0	100.0	94.2	89.9	91.4	90.1	88.8	86.3	83.6	86.4
525.0	75.0	93.8	89.5	91.4	90.3	88.9	85.6	82.5	84.4
350.0	50.0	93.3	89.1	91.4	90.3	88.7	84.9	81.4	82.0
175.0	25.0	92.7	88.5	91.3	89.9	88.2	84.0	80.5	79.1

Distance: 49.2 Feet

EKW W/F	% LOAD	OVERALL SOUND DB(A)	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
700.0	100.0	88.2	83.9	85.4	84.1	82.8	80.3	77.6	80.4
525.0	75.0	87.8	83.5	85.4	84.3	82.9	79.6	76.5	78.4
350.0	50.0	87.3	83.1	85.4	84.3	82.7	78.9	75.4	76.0
175.0	25.0	86.7	82.5	85.3	83.9	82.2	78.0	74.5	73.1

