

PACKAGE DATA [C15DECE]

NOVEMBER 10, 2021

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Feature Code:	C15DECE	Rating Type:	STANDBY	Sales model Package:	PGS450
Engine Sales Model:	C15	Engine Arrangement Number:	4230922	Hertz:	60
EKW W/F:	450.0	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
100.0	24684	22566	21541	138	131	129	136	129	125	134	127	122	132	123	120
75.0	24684	22566	21541	140	140	140	140	140	140	140	140	136	140	138	134

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	22071	114	113	111	109
75.0	22071	131	129	127	125

SA Level 2 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	22071	140	138	136	134

Package Sound Information

Sound Comments : 1m - ISO 8528-10, 15-Pt. grid; 7m - SAE J1074, 4-Pt. spatial average; 15m - calculated from 7m data (free field dispersion)

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
450.0	100.0	104.4	94.5	98.6	98.2	99.5	96.9	92.6	98.6
337.5	75.0	103.3	93.7	98.5	98.0	98.9	95.7	91.5	95.5
225.0	50.0	102.1	92.6	98.4	97.8	98.3	94.6	90.1	90.5
112.5	25.0	101.7	91.9	98.5	97.7	98.0	94.2	89.4	86.9

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
450.0	100.0	94.4	84.5	88.6	88.2	89.5	86.9	82.6	88.6
337.5	75.0	93.3	83.7	88.5	88.0	88.9	85.7	81.5	85.5
225.0	50.0	92.1	82.6	88.4	87.8	88.3	84.6	80.1	80.5
112.5	25.0	91.7	81.9	88.5	87.7	88.0	84.2	79.4	76.9

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
450.0	100.0	88.4	78.5	82.6	82.2	83.5	80.9	76.6	82.6
337.5	75.0	87.3	77.7	82.5	82.0	82.9	78.7	75.5	79.5
225.0	50.0	86.1	76.6	82.4	81.8	82.3	78.6	74.1	74.5
112.5	25.0	85.7	75.9	82.5	81.7	82.0	78.2	73.4	70.9

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
450.0	100.0	84.7	86.7	86.1	81.4	77.8	76.0	70.9	77.6
337.5	75.0	83.5	85.4	85.8	80.9	77.2	74.9	69.5	72.1
225.0	50.0	82.4	83.4	85.3	79.9	76.0	73.6	68.4	69.6
112.5	25.0	82.0	82.6	85.2	79.7	75.6	73.2	68.2	61.0

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
450.0	100.0	74.2	75.9	76.5	69.2	65.8	65.5	59.3	69.2
337.5	75.0	72.5	74.4	75.9	68.4	65.0	64.3	58.0	63.8
225.0	50.0	71.9	73.3	76.2	68.3	64.5	62.9	57.0	61.5

112.5 25.0 71.6 72.9 76.0 68.4 64.5 62.8 58.6 50.4

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
450.0	100.0	70.5	74.3	74.3	66.3	63.0	61.0	55.7	61.8
337.5	75.0	69.8	73.2	73.9	66.1	62.4	60.3	55.4	60.0
225.0	50.0	69.1	72.0	73.7	65.5	62.1	59.4	54.3	53.2
112.5	25.0	68.7	70.9	73.3	65.6	61.7	59.1	54.1	46.0

SA Level 2 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
450.0	100.0	86.0	88.0	89.0	84.0	80.0	77.0	73.0	69.0
337.5	75.0	86.0	87.0	89.0	85.0	80.0	77.0	72.0	68.0
225.0	50.0	86.0	86.0	88.0	84.0	80.0	77.0	72.0	67.0
112.5	25.0	86.0	86.0	89.0	84.0	80.0	77.0	72.0	67.0

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
450.0	100.0	72.0	79.0	76.0	68.0	66.0	62.0	57.0	58.0
337.5	75.0	72.0	78.0	76.0	68.0	66.0	62.0	57.0	52.0
225.0	50.0	71.0	76.0	75.0	68.0	65.0	62.0	56.0	51.0
112.5	25.0	71.0	75.0	75.0	68.0	65.0	61.0	56.0	49.0

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
450.0	100.0	66.0	73.0	69.0	62.0	59.0	56.0	51.0	52.0
337.5	75.0	66.0	72.0	69.0	62.0	59.0	56.0	50.0	45.0
225.0	50.0	65.0	70.0	69.0	61.0	58.0	55.0	49.0	44.0
112.5	25.0	65.0	69.0	68.0	61.0	58.0	55.0	50.0	43.0

WP Canopy - Industrial 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
450.0	100.0	96.7	91.9	94.8	92.8	91.8	90.1	85.4	83.0
337.5	75.0	95.9	90.8	94.4	92.5	91.2	89.0	84.2	80.6

225.0	50.0	95.0	89.5	93.9	92.0	90.5	87.8	82.9	78.1
112.5	25.0	94.6	88.8	93.7	91.6	90.3	87.1	82.3	77.2

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
450.0	100.0	86.5	84.7	85.0	81.6	82.2	79.6	75.1	72.6
337.5	75.0	85.8	84.2	84.7	81.2	81.7	78.9	74.3	70.1
225.0	50.0	85.2	83.2	84.3	80.6	81.2	78.1	73.6	67.9
112.5	25.0	85.0	82.5	84.0	80.4	81.2	77.9	73.4	67.4

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
450.0	100.0	80.5	78.7	79.0	75.6	76.2	73.6	69.1	66.6
337.5	75.0	79.8	78.2	78.7	75.2	75.7	72.9	68.3	64.1
225.0	50.0	79.2	77.2	78.3	74.6	75.2	72.1	67.6	61.9
112.5	25.0	79.0	76.5	78.0	74.4	75.2	71.9	67.4	61.4

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
450.0	100.0	96.7	91.9	94.8	92.8	91.8	90.1	85.4	83.0
337.5	75.0	95.9	90.8	94.4	92.5	91.2	89.0	84.2	80.6
225.0	50.0	95.0	89.5	93.9	92.0	90.5	87.8	82.9	78.1
112.5	25.0	94.6	88.8	93.7	91.6	90.3	87.1	82.3	77.2

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
450.0	100.0	86.5	84.7	85.0	81.6	82.2	79.6	75.1	72.6
337.5	75.0	85.8	84.2	84.7	81.2	81.7	78.9	74.3	70.1
225.0	50.0	85.2	83.2	84.3	80.6	81.2	78.1	73.6	67.9
112.5	25.0	85.0	82.5	84.0	80.4	81.2	77.9	73.4	67.4

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
450.0	100.0	80.5	78.7	79.0	75.6	76.2	73.6	69.1	66.6

337.5	75.0	79.8	78.2	78.7	75.2	75.7	72.9	68.3	64.1
225.0	50.0	79.2	77.2	78.3	74.6	75.2	72.1	67.6	61.9
112.5	25.0	79.0	76.5	78.0	74.4	75.2	71.9	67.4	61.4

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
450.0	100.0	121.8	129.4	124.3	117.6	113.5	113.5	110.0	98.7
337.5	75.0	119.6	127.9	121.6	114.2	117.7	11.6	108.2	96.4
225.0	50.0	117.3	126.8	118.6	111.0	109.0	110.0	105.8	92.1
112.5	25.0	112.3	123.7	112.9	107.1	103.9	103.0	98.0	82.9

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