

Package Data [57LGE51]

September 18, 2020

For Help Desk Phone Numbers [Click here](#)

Feature Code:	57LGE51	Rating Type:	STANDBY	Sales model Package:	DG100-2
Engine Sales Model:	5.7LTCAC	Engine Arrangement Number:	4830908	Hertz:	60
EKW W/F:	100.0	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	9782	8828	8369	147	141	138	143	138	134	140	134	131	136	131	127
75.0	9782	8828	8369	158	152	150	154	149	147	150	145	143	147	141	140
50.0	9782	8828	8369	170	163	161	167	159	158	163	156	154	159	152	150
25.0	9782	8828	8369	181	176	172	177	172	168	174	168	165	170	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	7027	123	120	116	113
75.0	7027	138	134	131	127
50.0	7027	154	150	147	143
25.0	7027	168	165	161	158

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	9287	118	114	111	107
75.0	9287	132	129	125	122
50.0	9287	147	143	140	136
25.0	9287	159	156	152	149

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
100.0	100.0	86.8	80.9	81.2	89.4	83.7	79.2	78.6	76.0	72.1
75.0	75.0	86.8	79.4	80.1	89.6	83.8	79.2	78.6	75.8	71.1
50.0	50.0	86.8	77.9	78.9	89.6	83.9	79.2	78.6	75.7	70.3
25.0	25.0	86.8	76.6	77.7	89.5	84.0	79.3	78.6	75.6	69.8

Distance: 23.0 Feet

EKW W/F	% LOAD	OVERALL SOUND	OBCF 63HZ	OBCF 125HZ	OBCF 250HZ	OBCF 500HZ	OBCF 1000HZ	OBCF 2000HZ	OBCF 4000HZ	OBCF 8000HZ
---------	--------	---------------	-----------	------------	------------	------------	-------------	-------------	-------------	-------------

		DB(A)	DB	DB	DB	DB	DB	DB	DB	DB
100.0	100.0	74.3	72.4	71.6	79.4	70.7	66.8	65.3	62.9	59.8
75.0	75.0	74.4	71.5	70.3	79.8	71.5	66.9	65.3	62.8	58.8
50.0	50.0	74.4	70.4	68.8	79.4	71.8	66.8	65.4	62.7	58.1
25.0	25.0	74.3	69.2	67.2	78.3	71.7	66.8	65.3	62.5	57.5

Distance: 49.2 Feet

EKW	%	OVERALL	OBCF	OBCF	OBCF	OBCF	OBCF	OBCF	OBCF	OBCF
W/F	LOAD	SOUND	63HZ	125HZ	250HZ	500HZ	1000HZ	2000HZ	4000HZ	8000HZ
		DB(A)	DB	DB	DB	DB	DB	DB	DB	DB
100.0	100.0	68.3	66.4	65.6	73.4	64.7	60.8	59.3	56.9	53.8
75.0	75.0	68.4	65.5	64.3	73.8	65.5	60.9	59.3	56.8	52.8
50.0	50.0	68.4	64.4	62.8	73.4	65.8	60.8	59.4	56.7	52.1
25.0	25.0	68.3	63.2	61.2	72.3	65.7	60.8	59.3	56.5	51.5

WP Canopy - Industrial Sound Data

Distance: 3.3 Feet

EKW	%	OVERALL	OBCF	OBCF	OBCF	OBCF	OBCF	OBCF	OBCF	OBCF
W/F	LOAD	SOUND	63HZ	125HZ	250HZ	500HZ	1000HZ	2000HZ	4000HZ	8000HZ
		DB(A)	DB	DB	DB	DB	DB	DB	DB	DB
100.0	100.0	95.5	81.0	92.4	92.2	89.2	90.8	89.3	85.8	80.4
75.0	75.0	95.3	79.6	91.3	91.7	88.9	90.6	89.2	85.7	80.0
50.0	50.0	95.1	79.0	89.2	91.5	88.8	90.3	89.1	85.7	79.6
25.0	25.0	95.0	79.4	85.9	91.4	88.7	90.0	89.0	85.7	79.4

Distance: 23.0 Feet

EKW	%	OVERALL	OBCF	OBCF	OBCF	OBCF	OBCF	OBCF	OBCF	OBCF
W/F	LOAD	SOUND	63HZ	125HZ	250HZ	500HZ	1000HZ	2000HZ	4000HZ	8000HZ
		DB(A)	DB	DB	DB	DB	DB	DB	DB	DB
100.0	100.0	82.8	76.0	86.6	84.2	79.3	76.3	74.9	71.1	65.3
75.0	75.0	82.5	73.6	85.2	84.0	79.2	76.0	74.7	70.9	64.5
50.0	50.0	82.4	72.7	82.5	83.9	79.1	75.9	74.6	70.9	64.1
25.0	25.0	82.4	73.3	78.5	84.0	79.1	76.0	74.8	71.1	63.9

Distance: 49.2 Feet

EKW	%	OVERALL	OBCF	OBCF	OBCF	OBCF	OBCF	OBCF	OBCF	OBCF
W/F	LOAD	SOUND	63HZ	125HZ	250HZ	500HZ	1000HZ	2000HZ	4000HZ	8000HZ
		DB(A)	DB	DB	DB	DB	DB	DB	DB	DB
100.0	100.0	76.8	70.0	80.6	78.2	73.3	70.3	68.9	65.1	59.3
75.0	75.0	76.5	67.6	79.2	78.0	73.2	70.0	68.7	64.9	58.5
50.0	50.0	76.4	66.7	76.5	77.9	73.1	69.9	68.6	64.9	58.1
25.0	25.0	76.4	67.3	72.5	78.0	73.1	70.0	68.8	65.1	57.9

Open Exhaust Sound Data

Distance: 3.3 Feet

EKW	%	OVERALL	OBCF	OBCF	OBCF	OBCF	OBCF	OBCF	OBCF	OBCF
W/F	LOAD	SOUND	63HZ	125HZ	250HZ	500HZ	1000HZ	2000HZ	4000HZ	8000HZ
		DB(A)	DB	DB	DB	DB	DB	DB	DB	DB
100.0	100.0	98.0	86.0	109.0	95.0	93.0	94.0	89.0	79.0	65.0
75.0	75.0	96.0	82.0	107.0	94.0	91.0	92.0	85.0	75.0	61.0
50.0	50.0	94.0	81.0	105.0	94.0	89.0	91.0	83.0	70.0	56.0
25.0	25.0	91.0	85.0	101.0	91.0	88.0	86.0	78.0	64.0	49.0

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
100.0	100.0	98.8	82.8	84.0	95.4	93.6	94.0	92.3	89.0	83.7
75.0	75.0	98.6	81.5	83.3	95.2	93.3	93.9	92.1	88.8	83.1
50.0	50.0	98.4	80.1	82.5	95.0	93.2	93.8	92.0	88.6	82.7
25.0	25.0	98.4	78.7	81.5	94.9	93.1	93.7	92.0	88.6	82.5

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
100.0	100.0	88.8	72.8	74.0	85.4	83.6	84.0	82.3	79.0	73.7
75.0	75.0	88.6	71.5	73.3	85.2	83.3	83.9	82.1	78.8	73.1
50.0	50.0	88.4	70.1	72.5	85.0	83.2	83.8	82.0	78.6	72.7
25.0	25.0	88.4	68.7	71.5	84.9	83.1	83.7	82.0	78.6	72.5

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
100.0	100.0	82.8	66.8	68.0	79.4	77.6	78.0	76.3	73.0	67.7
75.0	75.0	82.6	65.5	67.3	79.2	77.3	77.9	76.1	72.8	67.1
50.0	50.0	82.4	64.1	66.5	79.0	77.2	77.8	76.0	72.6	66.7
25.0	25.0	82.4	62.7	65.5	78.9	77.1	77.7	76.0	72.6	66.5

Caterpillar Confidential: Green

Content Owner: Commercial Processes Division

Web Master(s): [PSG Web Based Systems Support](#)

Current Date: 9/18/2020, 10:47:44 AM

© Caterpillar Inc. 2020 All Rights Reserved.

[Data Privacy Statement.](#)