

SOUND TEST DATA SHEET
ETL TESTING LABORATORIES, INC.

DATE	ORDER NO.	CLIENT	TESTED BY:
08-21-2000	J20022398	Climate Master	jk

FREQUENCY HERTZ	PRESSURE UNIT	Lw	dBA Lw	OCTAVE	PRESSURE ILG	PRESSURE AMBIENT
50	56.1	70.0 *	10.0 *		64.0	56.2
63	51.4	65.0 *	9.0 *	71.5 *	62.9	51.1
80	47.9	59.0 *	6.5 *		64.7	47.8
100	52.3	63.0	44.0		65.0	41.9
125	47.1	57.5	41.5	64.5	65.1	38.4
160	43.6	53.0	40.0		65.5	36.4
200	42.4	51.5	40.5		66.5	33.7
250	42.7	51.0	42.0	56.0	67.6	30.6
315	44.7	51.5	45.0		68.9	32.1
400	41.3	48.0	43.0		68.9	30.7
500	40.0	47.0	44.0	52.5	68.8	27.2
630	40.6	47.5	46.0		68.7	26.4
800	38.1	45.0	44.5		68.7	26.3
1000	36.6	44.0	44.0	48.5	68.4	25.4
1250	35.5	42.0	42.5		68.9	25.7
1600	36.9	44.0	45.0		68.9	24.4
2000	31.9	39.0	40.0	45.5	68.4	21.9
2500	30.2	37.5	38.5		68.3	21.5
3150	28.0	35.0	36.0		67.4	19.0
4000	24.9	33.5	34.5	38.0	65.4	17.2
5000	22.0	30.0	30.5		64.6	16.0
6300	17.8	25.5 *	25.0 *		63.5	14.8
8000	16.3	26.5	25.5	32.0 *	60.5	12.4
10000	16.0	29.0 *	26.5 *		55.0	13.0

dBA = 54.991

BAROMETER = 29.16

DB TEMP = 80

WB TEMP = 67

MUTE GRH019
Inlet & Casing Radiated Sound
208 volts 50 Hz

*Low Cool 0.0"Ps
85.1 water in
93.0 water out*

*std Mute = Aquaplas + Fiberglass 4.66 GPM
80.7 DB
66.6 WB*

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SOUND TEST DATA SHEET
ETL TESTING LABORATORIES, INC.

DATE 08-21-2000 ORDER NO. J20022398 CLIENT Climate Master TESTED BY: jk

FREQUENCY HERTZ	PRESSURE UNIT	Lw	dba Lw	OCTAVE	PRESSURE ILG	PRESSURE AMBIENT
50	55.9	70.0 *	10.0 *		64.0	56.2
63	51.9	65.0 *	9.0 *	71.5 *	62.9	51.1
80	47.2	59.0 *	6.5 *		64.7	47.8
100	53.0	63.5	44.5		65.0	41.9
125	46.3	56.5	40.5	64.5	65.1	38.4
160	43.7	53.5	40.0		65.5	36.4
200	41.2	50.0	39.0		66.5	33.7
250	42.5	50.5	42.0	55.5	67.6	30.6
315	44.3	51.0	44.5		68.9	32.1
400	41.9	48.5	44.0		68.9	30.7
500	40.3	47.5	44.0	52.5	68.8	27.2
630	40.6	47.5	46.0		68.7	26.4
800	37.9	45.0	44.0		68.7	26.3
1000	37.4	44.5	44.5	49.0	68.4	25.4
1250	35.9	42.5	43.0		68.9	25.7
1600	35.6	42.5	43.5		68.9	24.4
2000	32.0	39.0	40.5	45.0	68.4	21.9
2500	30.3	37.5	38.5		68.3	21.5
3150	28.4	35.5	36.5		67.4	19.0
4000	26.7	36.0	37.0	39.0	65.4	17.2
5000	22.0	30.0	30.5		64.6	16.0
6300	18.3	26.0	26.0		63.5	14.8
8000	17.9	29.0	28.0	34.0	60.5	12.4
10000	17.4	31.5	29.0		55.0	13.0

dba = 55.020

BAROMETER = 29.16 DB TEMP = 80 WB TEMP = 67

MUTE GRH019
Inlet & Casing Radiated Sound
208 volts 50 Hz

*Low Cool 0.0"Ps
replacement panels (sandwiched)
installed on unit*

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FREQUENCY HERTZ	PRESSURE UNIT	Lw	dBA Lw	OCTAVE	PRESSURE ILG	PRESSURE AMBIENT
50	56.5	70.0 *	10.0 *		64.0	56.2
63	51.6	65.0 *	9.0 *	71.5 *	62.9	51.1
80	48.4	59.0 *	6.5 *		64.7	47.8
100	58.4	69.5	50.0		65.0	41.9
125	48.6	59.0	43.0	70.0	65.1	38.4
160	44.9	54.5	41.5		65.5	36.4
200	43.4	52.5	41.5		66.5	33.7
250	43.3	51.5	43.0	57.0	67.6	30.6
315	45.3	52.0	45.5		68.9	32.1
400	41.6	48.5	43.5		68.9	30.7
500	39.9	47.0	43.5	52.5	68.8	27.2
630	41.0	48.0	46.5		68.7	26.4
800	38.0	45.0	44.0		68.7	26.3
1000	36.4	43.5	43.5	48.5	68.4	25.4
1250	35.1	41.5	42.5		68.9	25.7
1600	33.8	40.5	41.5		68.9	24.4
2000	31.6	38.5	40.0	43.5	68.4	21.9
2500	29.7	36.5	38.0		68.3	21.5
3150	27.7	34.5	36.0		67.4	19.0
4000	25.0	34.0	35.0	38.0	65.4	17.2
5000	22.5	31.0	31.5		64.6	16.0
6300	17.9	25.5	25.5		63.5	14.8
8000	16.3	26.5	25.5	32.0 *	60.5	12.4
10000	16.0	29.0 *	26.5 *		55.0	13.0

dBA = 56.034

BAROMETER = 29.16

DB TEMP = 80

WB TEMP = 67

MUTE GRH019
Inlet & Casing Radiated Sound
208 volts 50 Hz

medium Cool 0.15"Ps

std Mute

SOUND TEST DATA SHEET
ETL TESTING LABORATORIES, INC.

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08-21-2000 J20022398 Climate Master jk

FREQUENCY HERTZ	PRESSURE UNIT	Lw	dBa Lw	OCTAVE	PRESSURE ILG	PRESSURE AMBIENT
50	56.6	70.0 *	10.0 *		64.0	56.2
63	52.0	65.0 *	9.0 *	71.5 *	62.9	51.1
80	48.7	59.0 *	6.5 *		64.7	47.8
100	60.4	71.5	52.0		65.0	41.9
125	50.5	61.0	45.0	72.0	65.1	38.4
160	46.3	56.5	43.0		65.5	36.4
200	44.4	53.5	42.5		66.5	33.7
250	44.9	53.0	44.5	58.5	67.6	30.6
315	47.6	54.5	48.0		68.9	32.1
400	42.1	49.0	44.0		68.9	30.7
500	40.9	48.0	44.5	53.5	68.8	27.2
630	41.9	49.0	47.0		68.7	26.4
800	38.8	46.0	45.0		68.7	26.3
1000	37.0	44.5	44.5	49.0	68.4	25.4
1250	35.5	42.0	42.5		68.9	25.7
1600	34.4	41.0	42.0		68.9	24.4
2000	31.9	39.0	40.0	44.0	68.4	21.9
2500	29.9	37.0	38.0		68.3	21.5
3150	28.4	35.5	36.5		67.4	19.0
4000	26.4	35.5	36.5	39.5	65.4	17.2
5000	23.8	32.5	33.0		64.6	16.0
6300	18.7	27.0	27.0		63.5	14.8
8000	16.0	26.0	25.0	32.5 *	60.5	12.4
10000	15.4	29.0 *	26.5 *		55.0	13.0

dBa = 57.472

BAROMETER = 29.16

DB TEMP = 80

WB TEMP = 67

MUTE GRH019
Inlet & Casing Radiated Sound
208 volts 50 Hz

5 ft Mute

High Cool 0.30" P_s
80.8 DB
66.4 WB
86.6 water in
94.7 water out
4.50 GPM

SOUND TEST DATA SHEET
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FREQUENCY HERTZ	PRESSURE UNIT	Lw	dBA Lw	OCTAVE	PRESSURE ILG	PRESSURE AMBIENT
50	56.9	70.5 *	10.5 *		64.0	56.7
63	51.5	65.0 *	9.0 *	72.0 *	62.9	51.0
80	48.6	58.0 *	5.5 *		64.7	46.5
100	59.0	70.0	51.0		65.0	41.1
125	46.5	57.0	41.0	70.0	65.1	36.9
160	44.2	54.0	40.5		65.5	35.3
200	43.1	52.0	41.5		66.5	32.9
250	42.6	51.0	42.0	57.0	67.6	29.6
315	46.4	53.5	47.0		68.9	27.7
400	41.0	48.0	43.0		68.9	26.7
500	39.7	47.0	43.5	52.0	68.8	23.9
630	39.3	46.5	44.5		68.7	22.7
800	37.6	45.0	44.0		68.7	22.5
1000	35.5	43.0	43.0	48.0	68.4	19.0
1250	34.9	42.0	42.5		68.9	17.2
1600	32.8	40.0	41.0		68.9	14.8
2000	31.1	38.5	39.5	43.5	68.4	16.7
2500	30.0	37.5	39.0		68.3	17.4
3150	26.9	34.5	35.5		67.4	14.0
4000	23.6	33.0	34.0	37.0	65.4	12.4
5000	19.9	28.5	29.0		64.6	12.4
6300	15.1	23.5 *	23.5 *		63.5	13.0
8000	12.4	24.5 *	23.0 *	31.5 *	60.5	11.8
10000	12.4	29.5 *	27.0 *		55.0	13.5

dBA = 55.963

BAROMETER = 29.16

DB TEMP = 80

WB TEMP = 67

MUTE GRH019
Inlet & Casing Radiated Sound
208 volts 50 Hz

Low Fan 0.0"Ps

SOUND TEST DATA SHEET
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FREQUENCY HERTZ	PRESSURE UNIT	Lw	dBA Lw	OCTAVE	PRESSURE ILG	PRESSURE AMBIENT
50	55.9	70.5 *	10.5 *		64.0	56.7
63	50.9	65.0 *	9.0 *	72.0 *	62.9	51.0
80	49.1	58.0 *	5.5 *		64.7	46.5
100	63.9	75.0	56.0		65.0	41.1
125	50.5	61.0	45.0	75.0	65.1	36.9
160	47.1	57.5	44.0		65.5	35.3
200	44.7	54.0	43.0		66.5	32.9
250	44.9	53.0	44.5	59.5	67.6	29.6
315	49.6	56.5	50.0		68.9	27.7
400	42.4	49.5	44.5		68.9	26.7
500	40.3	47.5	44.0	53.5	68.8	23.9
630	41.2	48.5	46.5		68.7	22.7
800	38.7	46.0	45.0		68.7	22.5
1000	36.7	44.0	44.0	49.0	68.4	19.0
1250	34.9	42.0	42.5		68.9	17.2
1600	33.4	40.5	41.5		68.9	14.8
2000	31.5	39.0	40.0	44.0	68.4	16.7
2500	30.1	37.5	39.0		68.3	17.4
3150	27.5	35.0	36.0		67.4	14.0
4000	25.4	35.0	36.0	39.0	65.4	12.4
5000	23.1	32.0	32.5		64.6	12.4
6300	17.6	26.5	26.0		63.5	13.0
8000	13.5	24.5 *	23.0 *	32.0 *	60.5	11.8
10000	13.0	29.5 *	27.0 *		55.0	13.5

dBA = 59.059

BAROMETER = 29.16

DB TEMP = 80

WB TEMP = 67

MUTE GRH019

Inlet & Casing Radiated Sound
208 volts 50 Hz

High Fan 0.30"Ps

SOUND TEST DATA SHEET
ETL TESTING LABORATORIES, INC.

DATE 08-21-2000 ORDER NO. J20022398 CLIENT Climate Master TESTED BY: jk

FREQUENCY HERTZ	PRESSURE UNIT	Lw	dBa Lw	OCTAVE	PRESSURE ILG	PRESSURE AMBIENT.
50	56.7	68.5 *	8.5 *		66.0	56.7
63	52.6	65.0 *	9.0 *	70.5 *	63.1	51.0
80	47.6	57.5 *	5.0 *		64.9	46.5
100	57.7	69.0	50.0		64.7	41.1
125	46.4	57.0	41.0	69.5	64.9	36.9
160	44.5	54.0	40.5		65.8	35.3
200	41.3	49.5	39.0		66.9	32.9
250	42.5	50.0	41.5	55.5	68.2	29.6
315	45.2	52.0	45.5		69.1	27.7
400	40.4	47.0	42.0		69.2	26.7
500	39.7	46.5	43.5	51.5	69.0	23.9
630	40.0	47.0	45.0		69.1	22.7
800	37.9	45.0	44.0		69.0	22.5
1000	35.8	43.0	43.0	48.0	68.8	19.0
1250	34.1	40.5	41.0		69.5	17.2
1600	33.4	40.0	41.0		69.3	14.8
2000	31.4	38.5	40.0	44.0	68.7	16.7
2500	31.0	38.5	39.5		68.4	17.4
3150	28.0	35.5	36.5		67.4	14.0
4000	24.7	34.0	35.0	39.0	65.3	12.4
5000	23.8	33.0	33.5		64.3	12.4
6300	21.0	31.5	31.0		63.0	13.0
8000	19.0	31.0	30.0	35.5 *	59.9	11.8
10000	16.5	30.5 *	28.0 *		54.1	13.5

dBa = 55.411

BAROMETER = 29.16

DB TEMP = 80

WB TEMP = 67

MUTE GRH019
Inlet & Casing Radiated Sound
208 volts 50 Hz

Low Heat 0.0" P_s
68.0 water in
63.2 water out
6.7 4.60 GPM
6.7 67.8 DB

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ETL TESTING LABORATORIES, INC.

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FREQUENCY HERTZ	PRESSURE UNIT	Lw	dBa Lw	OCTAVE	PRESSURE ILG	PRESSURE AMBIENT
50	55.9	68.5 *	8.5 *		66.0	56.7
63	52.0	65.0 *	9.0 *	70.5 *	63.1	51.0
80	48.0	57.5 *	5.0 *		64.9	46.5
100	59.7	71.0	52.0		64.7	41.1
125	50.5	61.5	45.5	71.5	64.9	36.9
160	48.4	58.5	45.0		65.8	35.3
200	43.7	52.5	41.5		66.9	32.9
250	44.8	52.5	44.0	58.0	68.2	29.6
315	47.1	54.0	47.5		69.1	27.7
400	42.4	49.0	44.5		69.2	26.7
500	40.5	47.5	44.0	53.5	69.0	23.9
630	42.7	49.5	47.5		69.1	22.7
800	39.5	46.5	45.5		69.0	22.5
1000	37.5	44.5	44.5	49.5	68.8	19.0
1250	35.5	42.0	42.5		69.5	17.2
1600	34.4	41.0	42.0		69.3	14.8
2000	32.6	40.0	41.0	45.0	68.7	16.7
2500	31.6	39.0	40.5		68.4	17.4
3150	28.1	35.5	36.5		67.4	14.0
4000	25.4	35.0	36.0	39.5	65.3	12.4
5000	24.0	33.5	34.0		64.3	12.4
6300	21.9	32.5	32.0		63.0	13.0
8000	19.4	31.5	30.5	36.5 *	59.9	11.8
10000	16.3	30.5 *	28.0 *		54.1	13.5

dBa = 57.481

BAROMETER = 29.16

DB TEMP = 80

WB TEMP = 67

MUTE GRH019
Inlet & Casing Radiated Sound
208 volts 50 Hz

High Heat 0.30" P_s
69.5 water in
63.8 water out
68.5 DB
4.60 GPM