

APPENDIX F5

FIRE PUMP NOISE DATA



JU6H-UFADP0

FIRE PUMP DRIVER

NOISE DATA

Mechanical Engine Noise *

RPM	BHP	OVERALL dB(A)	Octave Band									
			31.5 Hz dB(A)	63 Hz dB(A)	125 Hz dB(A)	250 Hz dB(A)	500 Hz dB(A)	1k Hz dB(A)	2k Hz dB(A)	4k Hz dB(A)	8k Hz dB(A)	16k Hz dB(A)
2100	209	104.57	65.63	67.57	78.97	83.50	92.23	97.47	100.63	98.27	90.17	83.23
2350	211	106.60	66.98	68.39	81.86	87.83	92.98	98.99	102.18	100.88	92.42	85.92

Raw Exhaust Engine Noise **

RPM	BHP	OVERALL dB(A)	Octave Band									
			31.5 Hz dB(A)	63 Hz dB(A)	125 Hz dB(A)	250 Hz dB(A)	500 Hz dB(A)	1k Hz dB(A)	2k Hz dB(A)	4k Hz dB(A)	8k Hz dB(A)	16k Hz dB(A)
2100 - 2350	209 - 220	110.20	0.00	99.90	104.30	99.00	101.20	100.80	103.50	100.70	90.40	84.00

* Values above are provided at 3.3ft (1m) from engine block and do not include the raw exhaust noise.

** Values above are provided at 23ft (7m), 90° horizontal, from a vertical exhaust outlet and does not include noise created mechanically by the engine.

The above data reflects nominal values for a typical engine of this model, speed and power in a free-field environment, tested at a no-load condition.

Installation specifics such as background noise level and amplification of noise levels from reflecting off of surrounding objects, will affect the overall noise levels observed. As a result of this, Clarke makes no guarantees to the above levels in an actual installation.