

# **Appendix H - Noise Control**

# Sound performance

## Indoor sound performance

**Table 47: Indoor sound performance**

Model	CFM	Type	Sound power, dB (10 <sup>-12</sup> ) watts							
			Octave band centerline frequency (Hz)							
			63	125	250	500	1000	2000	4000	8000
JV28	11000	Ducted discharge	84	82	78	79	77	76	72	64
		Ducted inlet	82	75	64	66	67	65	64	54
JV30	12000	Ducted discharge	87	83	79	79	78	76	72	65
		Ducted inlet	86	75	64	66	68	65	65	55
JV35	14000	Ducted discharge	87	87	83	83	84	82	78	72
		Ducted inlet	83	78	68	70	72	70	67	58
JV40	16000	Ducted discharge	90	84	80	80	79	76	70	62
		Ducted inlet	85	78	68	66	64	61	61	53
JV50	20000	Ducted discharge	92	84	81	81	80	77	71	65
		Ducted inlet	87	80	70	67	66	64	62	55

**Note:**

- 30 ton and 50 ton models tested in accordance with AHRI 260-2017. 27.5 ton, 35 ton, and 40 ton models interpolated from tests made in accordance with AHRI 260-2017.
- Ratings include duct end correction E1.
- Ratings include compressor noise.

## Outdoor sound

**Table 48: Outdoor sound performance**

Tonnage	Sound rating (dBA)	Sound power, dB (10 <sup>-12</sup> ) watts							
		Octave band centerline frequency (Hz)							
		63	125	250	500	1000	2000	4000	8000
27.5	89	91.5	85.0	85.5	86.0	85.0	81.0	78.5	74.0
30	89	91.5	85.0	85.5	86.0	85.0	81.0	78.5	74.0
35	89	91.5	85.0	85.5	86.0	85.0	81.0	78.5	74.0
40	89	91.5	85.0	85.5	86.0	85.0	81.0	78.5	74.0
50	91	96.0	91.0	86.5	87.0	86.5	84.0	79.5	75.0

**Note:**

- 30 ton and 50 ton models tested in accordance with AHRI 370-2015. 27.5 ton, 35 ton, and 40 ton models interpolated from tests made in accordance with AHRI 370-2015.
- Ratings include compressor noise.