

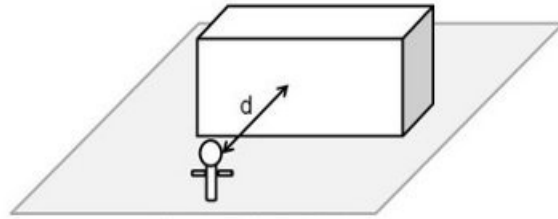
## Acoustic Summary For 30RQS-090

Project: Friends House  
Prepared By:

03/08/2012  
05:48PM

### Unit Parameters

Tag Name:.....**30RQS-090**  
 Model Number:.....**30RQS-090**  
 Condenser Type:.....**Air Cooled**  
 Compressor Type:.....**Scroll**  
 Chiller Nameplate Voltage:.....**400-3-50** V-Ph-  
 Hz  
 Quantity:.....**1**  
 Manufacturing Source:.....**Montluel, France**  
 Refrigerant:.....**R410A**  
 Shipping Weight:.....**928** kg  
 Operating Weight:.....**972** kg  
 Unit Length:.....**2050** mm  
 Unit Width:.....**2258** mm  
 Unit Height:.....**1321** mm



d - Distance From Unit To Receiver

### Accessories and Installed Options

- Opt. 42 Freeze Protection (down to -20 deg C)
- Opt. 148C CCN to Bac-Net Gateway
- Opt. 116G Fixed Speed Dual Pump LP
- Opt. 15LS Low Noise
- Opt. 264 Water Exchanger Screwed Connection

### Acoustic Information (Full Load)

Octave Band Center Frequency, Hz	125	250	500	1k	2k	4k	Total
Sound Power at Chiller Acoustic Center, dB	80	82	81	78	73	66	87
A-Weighted Sound Power, dBA	64	73	78	78	74	67	83
Sound pressure at specified distance in a free field, dB	48	50	50	46	41	34	55
A-Weighted Sound Pressure Level, dBA	32	42	46	46	43	35	51

### Notes

d - Horizontal Distance From Chiller to Receiver = 10.0 m

Estimated Sound Power levels - dB re: 1 picowatt

Estimated Sound Pressure levels - dB re: 20 micropascal

Estimated sound levels given above are assumed to originate at the acoustic center of the chiller.

Sound Power level L<sub>w</sub> in accordance with ISO 9614-1. Only the Total Sound Power level L<sub>w</sub> is certified by Eurovent, at Full Load in cooling mode, with all fans and pumps running at nominal speed, and for inlet air temperature at the condenser between 30°C and 35°C. The sound levels by octave band are guideline values only and not contractually binding.

Estimated average sound pressure L<sub>p</sub> at a given distance on a reflective surface in a free field environment.