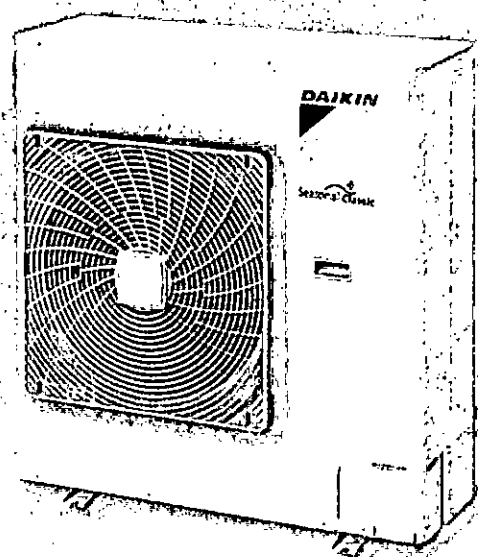




Air Conditioners

Technical Data

Outdoor unit - Optimized for seasonal efficiency



REFRIGERANT R410A

RZQSG-LV1

2 Specifications

2-1 Nominal Capacity And Nominal Input				FBQ71C8VEB / RZQSG71L2V1B	FBQ100C8VEB / RZQSG100L7V1B	FBQ125C8VEB / RZQSG125L7V1B	FBQ140C8VEB / RZQSG140L7V1B
Cooling capacity	Nom.		kW	6.8 (3)	9.5 (3)	12.0 (3)	13.4 (3)
Heating capacity	Nom.		kW	7.5 (4)	10.8 (4)	13.5 (4)	15.5 (4)
Power input	Cooling	Nom.	kW	2.07	2.87	3.74	4.44
	Heating	Nom.	kW	2.08	2.96	3.85	4.54
EER				3.28	3.31	3.21	3.02
COP				3.61	3.65	3.51	3.41
SEER				-	5.11 (6)	4.35 (6)	-
SCOP				-	3.81 (6)	-	-
Annual energy consumption			kWh	1,037	1,435	1,870	2,220
Energy label	Cooling				A		B
	Heating				A		B

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m
- (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m
- (5) Annual energy consumption is according to Energy labeling directive 2002/31/EC
- (6) SEER and SCOP are according to EN 14825

2-1 Nominal Capacity And Nominal Input				FHQG71C8VEB / RZQSG71L2V1B	FHQG100C8VEB / RZQSG100L7V1B	FHQG125C8VEB / RZQSG125L7V1B	FHQG140C8VEB / RZQSG140L7V1B
Cooling capacity	Nom.		kW	6.8 (3)	9.5 (3)	12.0 (3)	13.4 (3)
Heating capacity	Nom.		kW	7.5 (4)	10.8 (4)	13.5 (4)	15.5 (4)
Power input	Cooling	Nom.	kW	1.97	2.96	4.15	4.45
	Heating	Nom.	kW	1.88	2.99	3.73	4.54
EER				3.46	3.21	2.89	3.01
COP				4.00	3.61	3.62	3.41
SEER				-	5.11 (6)	4.61 (6)	-
SCOP				-	3.80 (6)	3.81 (6)	-
Annual energy consumption			kWh	983	1,480	2,075	2,225
Energy label	Cooling				A	C	B
	Heating				A		B

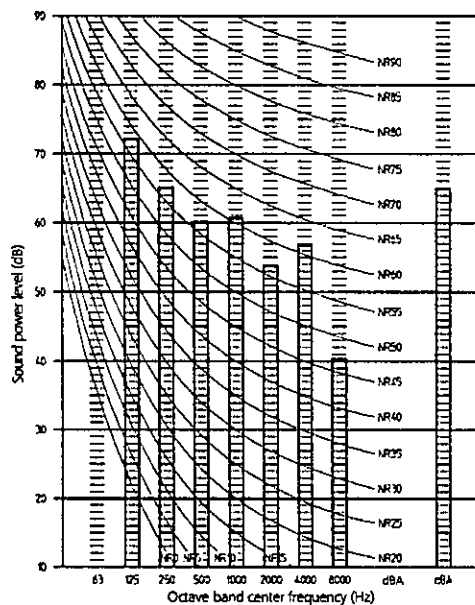
Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m
- (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m
- (5) Annual energy consumption is according to Energy labeling directive 2002/31/EC
- (6) SEER and SCOP are according to EN 14825

11 Sound data

11 - 1 Sound Power Spectrum

RZQSG71L

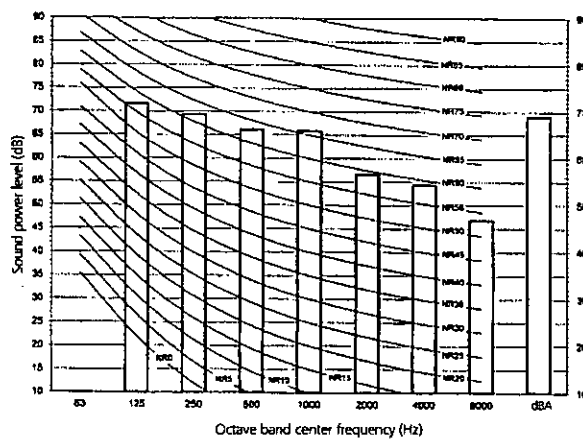


NOTES

- 1 dBA = A-weighted sound power level (A-scale according to IEC)
- 2 Reference acoustic intensity 0 dB = $10^{-6} \mu W/m^2$
- 3 Measured according to ISO 3744

3TW30467-3

RZQSG100LV1

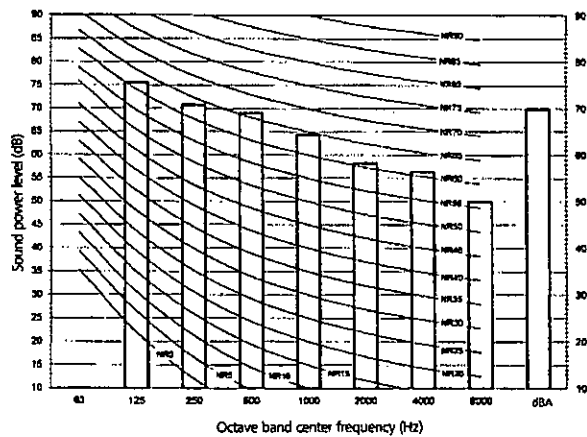


NOTES

- 1 dBA = A-weighted sound power level (A-scale according to IEC)
- 2 Reference acoustic intensity 0 dB = $10^{-6} \mu W/m^2$
- 3 Measured according to ISO 3744

3D076086

RZQSG125LV1

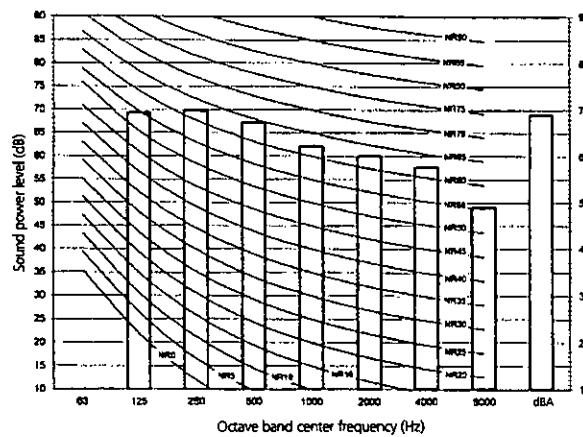


NOTES

- 1 dBA = A-weighted sound power level (A-scale according to IEC)
- 2 Reference acoustic intensity 0 dB = $10^{-6} \mu W/m^2$
- 3 Measured according to ISO 3744

3D076087

RZQSG140LV1



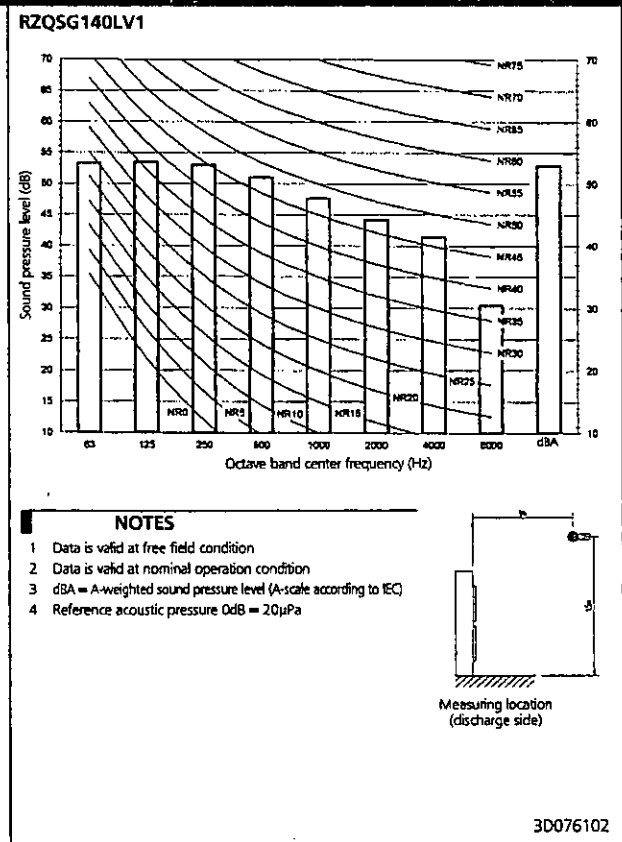
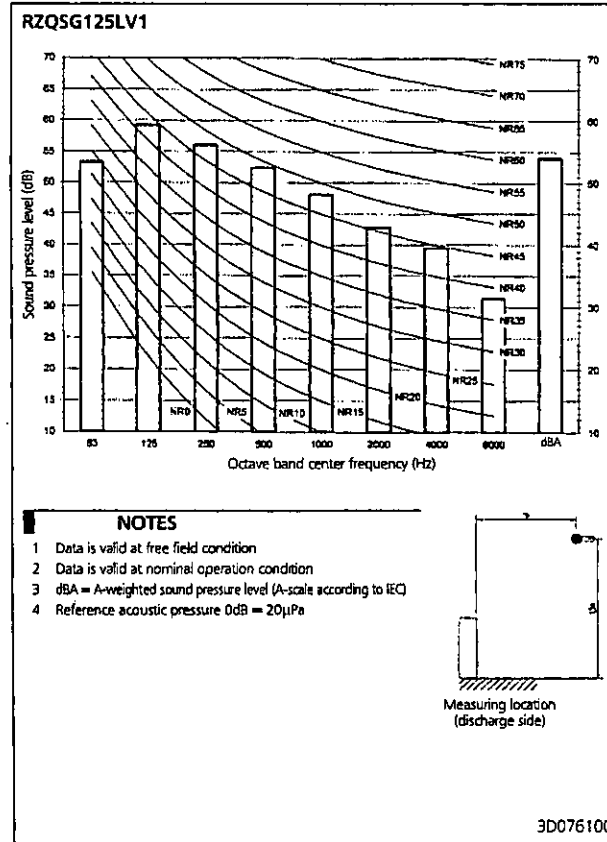
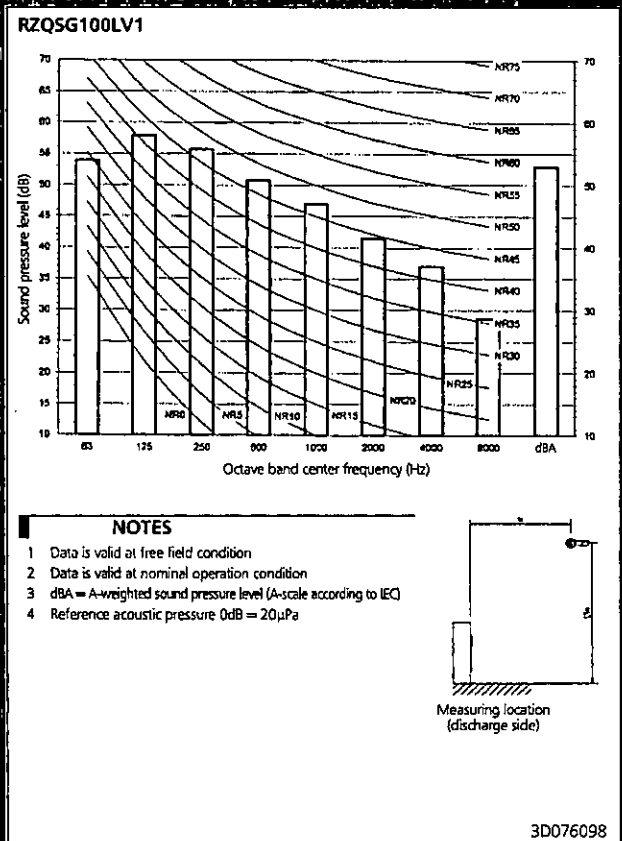
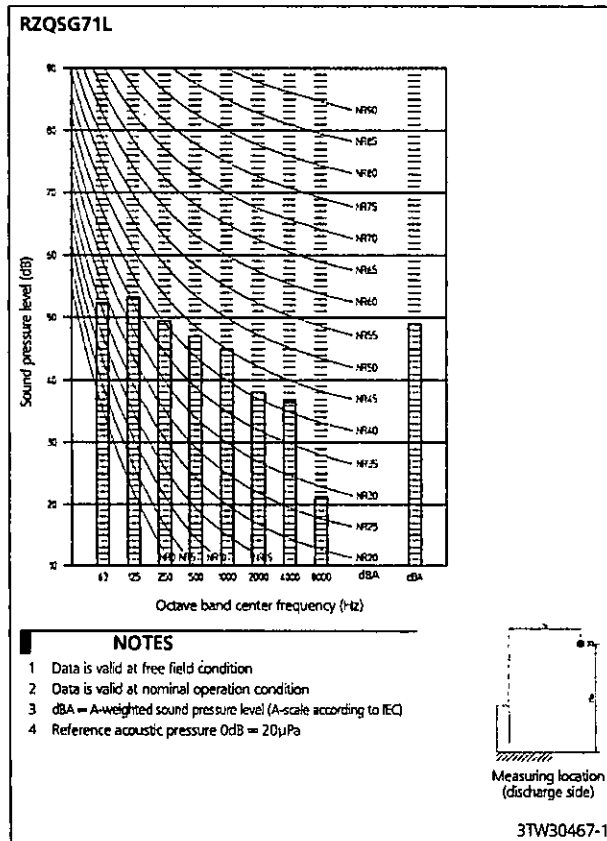
NOTES

- 1 dBA = A-weighted sound power level (A-scale according to IEC)
- 2 Reference acoustic intensity 0 dB = $10^{-6} \mu W/m^2$
- 3 Measured according to ISO 3744

3D076088

11 Sound data

11 - 2 Sound Pressure Spectrum - Cooling



11 Sound data

11 - 3 Sound Pressure Spectrum - Heating

11

