

UNITS 1 & 2,
HOUSING

SELECTION MATRIX

environmodula 1.1.25AC

Acoustic enclosures for Small units with Medium Air Flow

(Use 'Tab' Key to Navigate)

16 January 2007

CUSTOMER:	SITE / LOCATION / REFERENCE
Boatman AC	Charlotte Street

MAKE:	MODEL:	AIR IN	AIR OUT
Daikin	RZQ125B8V3	H	H

Insert Equipment Make, Model, Dimensions, Airflow Orientation & dB(A)

WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)	AIRFLOW (M ³ S ⁻¹)	DISTANCE (M)	SPL dB(A)
900	380	1345	1.66	1	52

UNIT TO BE ENCLOSED			ENCLOSURE DETAIL		
1050	430	1545	1650	1030	1595
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)	WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
1.66	1.0	52	1.66	1.0	27
AIRFLOW (M ³ S ⁻¹)	DISTANCE (M)	SPL dB(A)	AIRFLOW (M ³ S ⁻¹)	DISTANCE (M)	SPL dB(A)

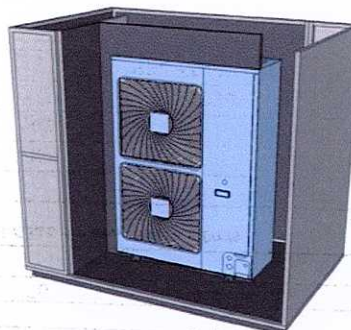
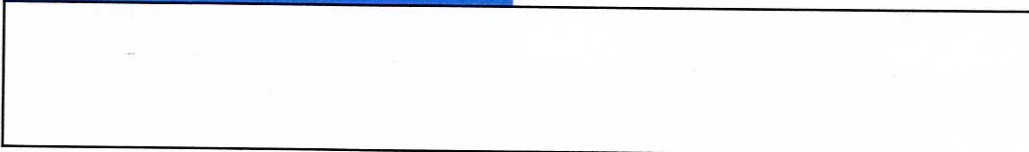
INLET AIRWAYS			DESIGN CRITERIA		
250	1620	1	OK	OK	OK
WIDTH (MM)	HEIGHT (MM)	NO.	UNIT SIZE	OUTLET	INLET

OUTLET AIRWAYS			AIRFLOW INFORMATION		
1620	250	1	20	4.1	4.1
WIDTH (MM)	HEIGHT (MM)	NO.	PD (NM ⁻²)	OUTLET (MS ⁻¹)	INLET (MS ⁻¹)

Select Inlet & Outlet Duct Sizes to Ensure Airflows are kept Below 6.0m/s

QUOTE INFORMATION			WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
INLET AIRWAY			250		1620
OUTLET AIRWAY			1620		250
EXTERNAL SIZE (W, D, H)			1650	1030	1645
NOISE LEVEL @ 1 M (SOUND PRESSURE)			27	SPL dB(A)	

ENCLOSURE DETAILS



UNIT 3.
HOUSING

SELECTION MATRIX

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Acoustic enclosures for Small units with Medium Air Flow

(Use 'Tab' Key to Navigate)

16 January 2007

CUSTOMER:	SITE / LOCATION / REFERENCE
Boatman AC	Charlotte Street

MAKE:	MODEL:	AIR IN	AIR OUT
Daikin	RXS60BVMB	H	H

Insert Equipment Make, Model, Dimensions, Airflow Orientation & dB(A)

WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)	AIRFLOW (M ³ S ⁻¹)	DISTANCE (M)	SPL dB(A)
905	350	735	0.8	1	49

UNIT TO BE ENCLOSED			ENCLOSURE DETAIL		
1055	400	935	1555	890	985
WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)	WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
0.80	1.0	49	0.80	1.0	24
AIRFLOW (M ³ S ⁻¹)	DISTANCE (M)	SPL dB(A)	AIRFLOW (M ³ S ⁻¹)	DISTANCE (M)	SPL dB(A)

INLET AIRWAYS			DESIGN CRITERIA		
200	1010	1	OK	OK	OK
WIDTH (MM)	HEIGHT (MM)	NO.	UNIT SIZE	OUTLET	INLET

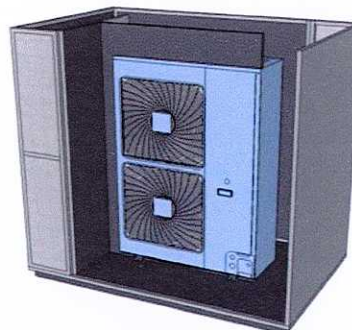
OUTLET AIRWAYS			AIRFLOW INFORMATION		
1010	200	1	19	4.0	4.0
WIDTH (MM)	HEIGHT (MM)	NO.	PD (NM ⁻²)	OUTLET (MS ⁻¹)	INLET (MS ⁻¹)

Select Inlet & Outlet Duct Sizes to Ensure Airflows are kept Below 6.0m/s

QUOTE INFORMATION			WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
INLET AIRWAY			200		1010
OUTLET AIRWAY			1010		200
EXTERNAL SIZE (W, D, H)			1555	890	1035
NOISE LEVEL @ 1 M (SOUND PRESSURE)			24	SPL dB(A)	

ENCLOSURE DETAILS

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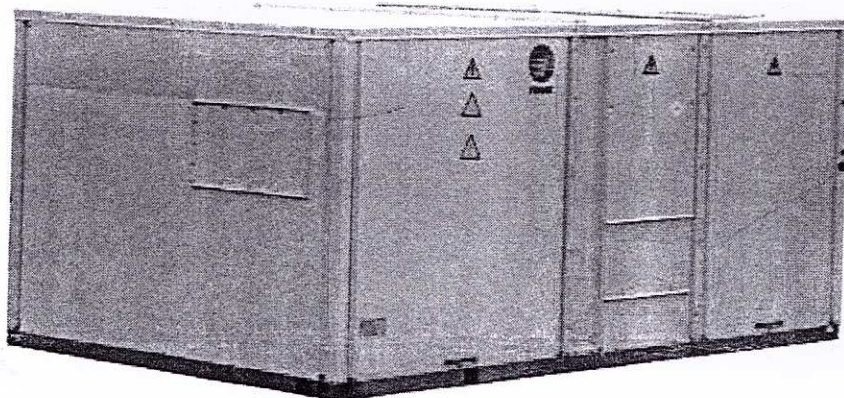
TRANE®

EXISTING

W44-125C

Installation Operation Maintenance

Rooftop single packaged units
Cooling-only TKD/TKH 063 073 100 125
155 175 200 250
Reversible WKD/WKH 063 073 100 125
155 200
R22 - R407C Refrigerant



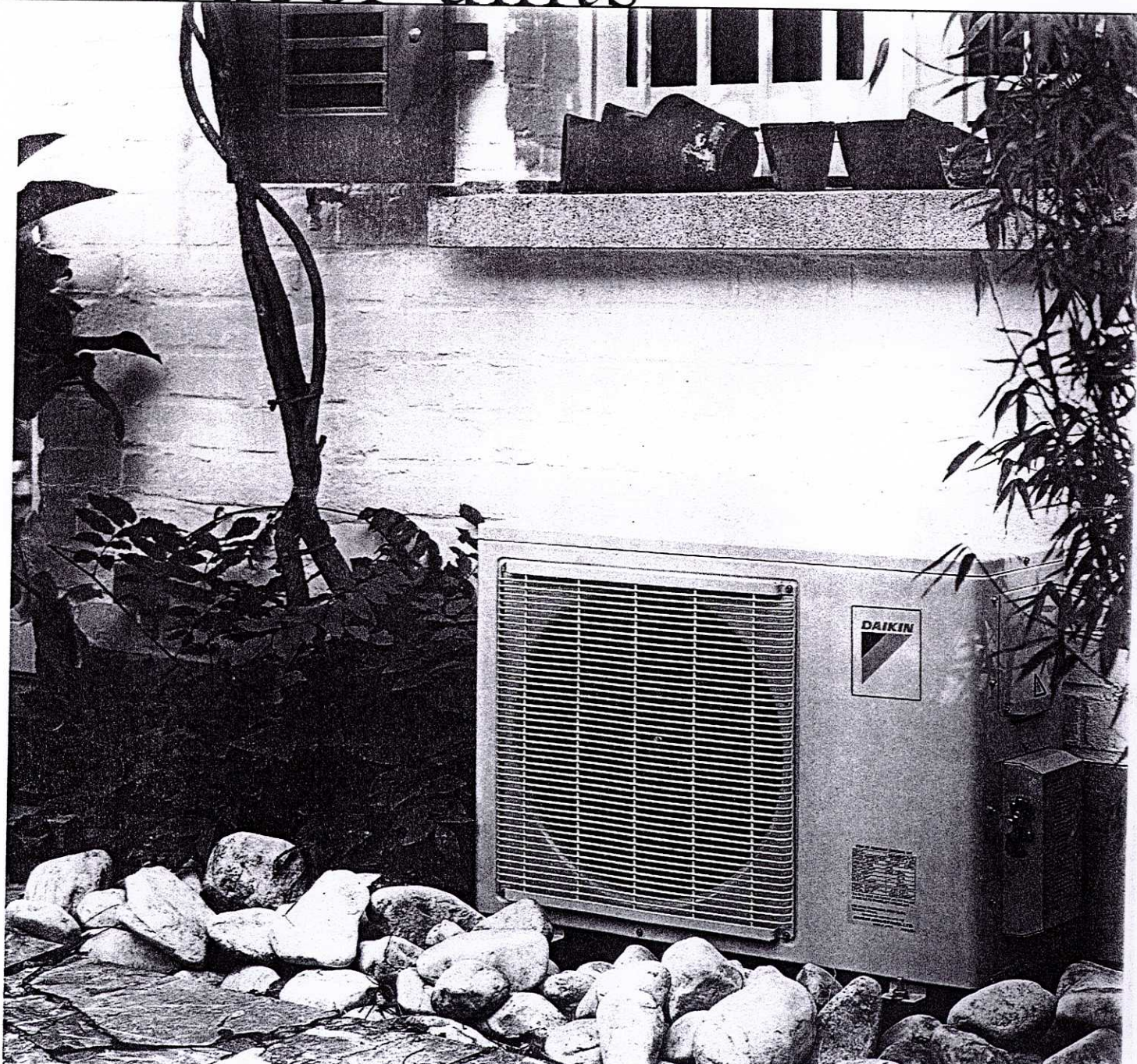
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RT-SVX04A-E4

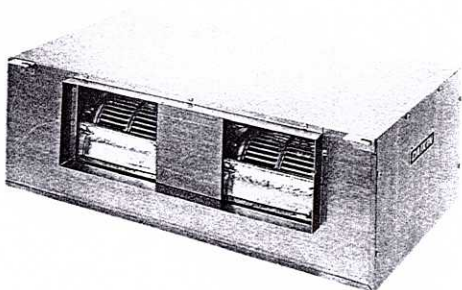
Daikin outdoor units are neat and sturdy and can be mounted easily on a roof or terrace or simply placed against an outside wall. They are fitted with either rotary or scroll compressor, renowned for low noise and high energy efficiency.

A special acryl precoated fin for anti-corrosion treatment on the heat exchanger ensures greater resistance against severe weather conditions.

Outdoor units



PROPOSED TYPE 1



CEILING MOUNTED BUILT-IN

EFD

- for installation in false ceilings — only inlet and discharge grilles are visible
- optimum air distribution, even in irregularly shaped rooms
- the maximum external static pressure (ESP) ranges from 10 till 30 mmH₂O



Refrigerant: R-22 • Power supply: V1: 1ø, 230V, 50 Hz

COOLING ONLY			EFD3FAV1	EFD5FAV1	EFD8FAV1	EFD10FAV1
Cooling capacity	kW		7.8/7.8	12.4/12.5	20.5/19.7	25/24.4
Power input	kW		3/3	4.5/4.7	7/6.7	9.4/9.5
Dimensions	HxWxD	mm	330x1020x550	360x1400x600	500x1370x740	500x1850x800
Weight	kg		50	60	95	120
Nominal air flow	m ³ /min		27	45	68	90
Sound pressure level	H/L	dB(A)	46	50	52	53
Sound power level	H	dB(A)	*	*	*	*
Outdoor unit	see page	37	ER/ERC	ER/ERC	ER/ERC	ER/ERC

* Sound power levels were not yet available at the time of printing