

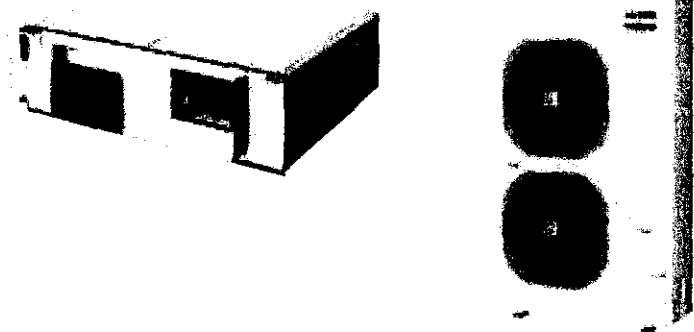
D Range High Static Systems

R410A

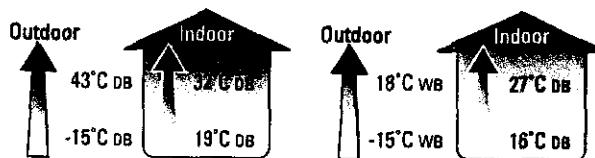
INVERTER
Air Conditioner

The D range high static ducted systems are the ideal solution for flexible, concealed air conditioning of large areas such as retail and entertainment projects.

- High static pressure available for optimum air distribution
- Low operating sound levels
- R410A refrigerant
- Highly efficient scroll compressor
- Piping length up to 100m
- Cooling and heating operation down to -15°C
- Multifunctional wireless remote control with built-in temperature control
- Piping outlet in three directions
- Fresh air knockout for improved air quality



The D range of high capacity ducted units make an ideal solution when heating or cooling large open plan areas such as car showrooms, theatres, studios and similar applications. The high static pressure (215pa - size 905) makes the use of extended ductwork practicable, which allows the indoor unit to be concealed within a suitable area of the building.



System example

An inspection port (450 x 450mm or more) is required at the lower side of the indoor unit body. Distributor (field supply)

Options



RCS-TM80BG



RCS-BH80AG.WLB



RCS-KRIAGB

Model size Capacity	D Type	Big PACI			
		kW	Cooling 20.0	Heating 22.4	Cooling 25.0
NEW 70	SPW-D0705H				NEW 90
					SPW-D0905H8

Performance	Capacity Power input EER/COP	Size 705		Size 905	
		Cooling W	Heating W	Cooling W	Heating W
Capacity	kW	6.0 - 20.0 - 22.4	6.0 - 22.4 - 25.0	6.0 - 25.0 - 28.0	6.0 - 28.0 - 31.5
Power input	W	7.12	6.5	9.55	8.2
EER/COP	W/W	2.81	3.45	2.62	3.44
Energy class	-	-	B	D	B
UK Total	kW	19.26	16.8	24.1	21.0
UK Sensible	kW	15.23	-	19.16	-
Running current	Amps	14.8	15.2	21.1	21.2
Indoor Unit			SPW-D0705H		SPW-D0905H8
Air circulation	(H/M/L) m³/h		3360/3186/2976		4320/4200/3960
Moisture removal	Litres/h	8.4	-	13.2	-
External static pressure	(H) Pa		176		216
Sound pressure level	(H/M/L) dB(A)		48/47/46		51/50/49
Dimensions	(HxWxD) mm			467x1428x1230	
Net weight	kg		110		120
Power supply	V,ph,Hz			230, 1+N, 50	
Outdoor Unit			SPW-C705VH8		SPW-C905VH8
Sound pressure level	(H/L) dB(A)			58/57	
Dimensions	(H/W/D) mm			1526x940x340	
Net weight	kg		118		128
Power supply	V,ph,Hz			400, 3+N, 50	
Refrigerant circuit			size 705		size 905
Tube diameter narrow/wide	mm/in		12.7/22.2		12.7/28.58
Max piping length	m			100	
Max elevation difference - O.U. above/below I.U.	m			50/30	
Chargeless piping length	m			30	
Amount of additional refrigerant	g/m			80	
Recommended fuse size		16			20
Communication cables			2 core 0.75 mm shielded		

Power supply to outdoor unit, the indoor unit can take its power from the outdoor unit or a separate supply.
When using Big PACI with multi indoor units, units must all be of the same type.

UK Conditions: Cooling Indoor 23°C DB 50% RH Outdoor 30°C Heating Indoor 20°C DB Outdoor 0°C

Rating Conditions: Cooling Indoor 27°C DB 19°C WB Outdoor 35°C DB 24°C WB Heating Indoor 20°C DB Outdoor 7°C DB 6°C WB



L'UNITE
HERMETIQUE

SILENSYS CONDENSING UNITS

LOW BACK PRESSURE REFRIGERATION

Model	Compressor	Nominal Power (HP)	Displacement (CM ³)	Noise Level (dBA) @ 1 m	Refrigerating Capacity (Watts)		
					-40°C	-30°C	-20°C
B08Z	CAJ2432Z	3/4	18.30	45	223	446	695
B09Z	CAJ2440Z	1	21.00	48	242	487	836
B10Z	CAJ/TAJ2446Z	1	26.15	51	263	571	948
B15Z	CAJ/TAJ2464Z	1 1/2	34.45	51	328	809	1,306
B22Z	TFH2480Z	2	53.20	53	609	1,238	1,950
B29Z	TFH2511Z	2 3/4	74.25	56	709	1,592	2,549
B43Z	TAG2516Z	4	112.50	59	1,191	2,389	3,871
B53Z	TAG2522Z	5 1/2	134.80	60	2,159	3,009	4,768

HIGH BACK PRESSURE REFRIGERATION

Model	Compressor	Nominal Power (HP)	Displacement (CM ³)	Noise Level (dBA) @ 1 m	Refrigerating Capacity (Watts)		
					-5°C	0°C	+5°C
H14Z	CAE9460Z	1/2	11.3	48	956	1,117	1,291
H21Z	CAJ/TAJ9480Z	2/3	15.2	48	1,392	1,624	1,880
H25Z	CAJ/TAJ9510Z	1	18.3	51	1,691	1,973	2,268
H30Z	CAJ/TAJ9513Z	1 1/8	24.2	52	2,034	2,365	2,715
H38Z	CAJ/TAJ4517Z	1 1/2	25.95	54	2,565	3,029	3,479
H49Z	CAJ/TAJ4519Z	1 3/5	34.45	55	3,243	3,803	4,386
H54Z	FH/TFH4524Z	2	43.5	53	3,538	4,160	4,832
H71Z	FH/TFH4531Z	2 3/5	56.65	58	4,759	5,559	6,400
H84Z	FH/TFH4540Z	3 2/7	74.25	61	5,642	6,593	7,593
H116Z	TAG4546Z	3 4/5	90.2	64	6,778	8,227	9,846
H123Z	TAG4553Z	4 2/5	100.7	65	7,158	8,650	10,310
H143Z	TAG4561Z	5	112.5	65	8,314	10,089	12,060
H162Z	TAG4568Z	5 5/7	124.4	65	9,649	11,620	13,710
H166Z	TAG4573Z	6	134.8	64	9,824	11,759	13,918