

SMMSi PIPE SIZING TABLE

R22 & R407C REPLACEMENT TECHNOLOGY PIPING SPECIFICATION

Pipe	Suction Gas					Liquid Side					Max. Piping Length to 1st Branch Joint (m) Height Difference Outdoor to Indoor		
	SMMSi	7/8	1 1/8	1 3/8	1 5/8	1 7/8	1/2	5/8	3/4	7/8	1 1/8	Standard Height <70m	High Efficiency Height <70m
8HP		✓	✓				✓	✓				100	
10HP		✓	✓				✓	✓				100	
12HP			✓	✓			✓	✓				100	
14HP			✓	✓				✓	✓			100	
16HP			✓	✓				✓	✓			100	100
18HP			✓	✓				✓	✓			100	
20HP			✓	✓				✓	✓			100	
22HP				✓	✓				✓	✓		100	
24HP				✓	✓				✓	✓		100	100
26HP				✓	✓				✓	✓		100	100
28HP				✓	✓				✓	✓		100	100
30HP				✓	✓				✓	✓		100	100
32HP				✓	✓				✓	✓		100	100
34HP				✓	✓				✓	✓		100	100
36HP					✓	✓				✓	✓	100	100
38HP					✓	✓				✓	✓	100	100
40HP					✓	✓				✓	✓	100	100
42HP					✓	✓				✓	✓	100	100
44HP					✓	✓				✓	✓	100	100
46HP					✓	✓				✓	✓	50	50
48HP					✓	✓				✓	✓	50	50

*** If in doubt or for assistance on existing on-site pipe sizing combinations that you would like to be considered please contact our technical department on **0870 843 0333** ***

Criteria for VRF replacement technology

- ◆ Existing system is operational in cooling mode
- ◆ All pipes are the correct size to the first joint
- ◆ Vertical pipes only may be one size larger
- ◆ Pipes are within acceptable separation limits
- ◆ Pipe sizes after first joint must be in accordance with Engineering Data Book specifications
- ◆ Pipes are free from defect
- ◆ Pipes have not been exposed to prolonged atmospheric conditions
- ◆ Pipes are flushed with a suitable cleaning agent in accordance with supplied instructions
- ◆ Pipework is suitably insulated
- ◆ Pipework passes a full F-Gas pressure test (3.7Mpa / 37bar / 536lb/in²)
- ◆ Power supply(s) and cables must be correctly rated for replacement plant

- ◆ **Excluded Equipment:** -
 - ◆ Non-compliance of all of the above criteria
 - ◆ Non-operational plant