



Weatherite

cooling units for telecommunications. **Unit 22**

Physical & Electrical

Supply air flow:	1.6m ³ /s
Number of fans:	One
Condenser/Exhaust air flow:	1.6m ³ /s High / 1.1m ³ /s Low
Number of fans:	One
Number of compressors:	One
Electrical supply:	400V/3ph/50Hz
Maximum full load current:	28.5 Amps/Phase
Unit width:	1,600mm
Unit depth:	1,100mm
Unit height:	2,560mm
Unit weight:	800kg

Fan Sound Power Spectrums

	63	125	250	500	1K	2K	4K	8K
Supply fan (125Pa ext.):	82	80	70	71	71	69	67	64
Exhaust fan (high speed):	84	87	82	77	80	77	75	72
Exhaust fan (low speed):	79	82	79	72	75	72	70	67

Unit Noise Levels

	Estimated
Internal noise at 2m (free cooling mode):	NR47
Internal noise at 2m (full chilling mode):	NR48
External noise at 2m (full chilling mode):	NR45
External noise at 6m (full chilling mode):	NR35

NB:

Noise levels estimated with typical ductwork arrangements and an external resistance on the supply fan of 125Pa. Lower external noise levels are possible with alternative designs of air intake and exhaust connections.

Cooling Performance

Net sensible cooling at the following conditions:	
Net sensible cooling:	23.3kW
Return air temperature:	24°C
Outside air temperature:	35°C
Supply air external resistance:	125Pa