









Refrigeration Pack DA1			Model: iSentra Low Noise								Refrigerant R744						
Pack ID	Compressor	New/ Reused	Manufacturer	SST°c	Capacity (kW)	THR kW	Design Current (A)	FLA (A)	Power Input kW	PE(S)R Cat	Elect Supply (A)	Housed	Control type	dB(A) @10m	Receiver (Ltrs)	Weight Kg	
НА —	1 x ZTW16AG (Inverter) 1 x ZTI36AG (Standard)	New	Copeland	-4°C	25		TD.0	00.0	22.05		400 (0.1 (50))		2014		27.5	4540 (1.1)	
LA —	1 x ZOV18AG (Inverter) 1x ZO18AG (Standard)	New	Copeland	-29°C	2.44	50.3	TBC	80.3	22.86	IV	400v/3ph/50Hz	Yes	RDM	20	37.5	1510 (dry)	
TOTAL Combined Duty					27.44	50.3	0	80.3	22.86								
Refrigeration Gas Cooler											Refrigerant	R744					
GC ID	Model	70=8	Manufacturer	THR Capacity (Kw)	Ambient	Coil Material	Elect Supply	Start Current (A) per Fan (Max)	FLC Current (A)	Free Field level Day @10m (Fan Control Voltage)	Free Field level Night @10m (Fan Control Voltage)	Weight Kg					
DA1 GC1	GFHD1.2-126AMg-FN063.H3	New	Cooler & Condensers	50.3	35	Cu/AIMg	400v/3Ph/50-60Hz	ТВС	2 x 2 fans	20dB(A) 481rpm	20dB(A) 481rpm	442 (dry)					
Air Conditioning - Outdoo	r													R	efrigerant	:	R32
A/C ID	Model	New/ Reused	Туре	Location		MCB Rating (A)	Power Supply		FLC (A)	dB(A) @1m	Suction Tail	Liquid Tail	Dimensions (mm)				Ref Base Charge (kg)
	100 mg/m (100 Mm)												Width	Depth	Height	Weight (kg)	6.8
ACU1	Mitsubishi PUZ-ZM250	New	Condensing Unit	Roof Plant Area		25	380-415 50	OHz	22.5(max)	62	1-1/8"	1/2"	1050	370	1338	138	2.4kg Additional
ACU1	Mitsubishi PUZ-ZM250	New	Condensing Unit	Roof Pl	ant Area	25	380-415 50	OHz	22.5(max)	62	1-1/8"	1/2"	1050	370	1338	138	2.4kg Additional

RECEIVED By Tom.Anderton at 9:29 am, May 29, 2025

## Notes/Legend

Cabinet setting out dimensions are based o customer information. All Dimensions are to be checked on site

prior to installation. Cabinet, Coldroom and Plant installers are to check site access prior to installation. Refrigeration layout, pipework and drainage requirements are indicative only and subject

to change to reflect updated layouts and on site conditions. Task Lighting by MC

(Indicative Locations)

Suction Transducer

C/P CPC Panel

**Test Button** 

SB Refrigeration Distribution Board

Personnel Trap Alarm Beacon.

Mounted Centrally Above

Coldroom Door = Sensor - CO2

**Entrapment Alarm** 

Sounder/Leak Detection Beacon

Leak Detection Beacon

Cold Room Drainage required Drainage required

(Single 50mm upstand) Service Penetration

LED Light

R F D B Refrigeration Distribution Boards

## Revision Details

Rev - 30/04/25 Drawn/Checked LCC/MAJ First Issue using 5808 Isles Of Scilly P7F13 Rev A 06/05/25 Drawn/Checked LCC/MAJ

Plant area amended

**Un-Controlled** Document

Preliminary

 
 Drawing No.
 Rev
 Scale (A1)

 300200280425-R5
 A
 1:50
Client



Co-Op Scilly Isles

CR3 Plant



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