

Refrigeration Plant Data Sheet

Site Ref: CP Dearnside

Date: 31/01/12

Type of Equipment		Multi Simply C External Unit with Free Heat
Model No.		CPFC4QE-14-076-IT-INV EC Fans
Quantity		1
Design Parameters:-	Refrigerant	R407A
	Heating Medium	Propylene Glycol 25% (Not supplied by ACL)
	Ambient Temp, °C	35
	SST, °C IT	-8
	Useful Superheat, K	10
	Liquid Subcooling, K	5
	Suction Superheat, K	20
	Suction Return Temp, °C	
Model of Compressors	IT	35Q019 x 4
Number of Free Heat Comps		2
Duty	IT, kW	37.85
Fan Coils	Qty	4
Heat Rejected (by coils)	Total, kW	56.81
Max run amps	Amps	53
Design run amps	Amps	31
Noise Rating	dB(A) @10m free field	45/35
Weight, approx	kg	1800
Liquid Receivers	Orientation	Vertical
	Location	Mounted onto the unit
	Capacity, litre	22
	Pressure Relief	Automatic PRV
	Shut-off Valve	Outlet
Oil Management	Compressors	Oil header/manifold assembly
	Separators	Conventional
	Oil Type	Solest 31 HE
Container	Finish	Painted BS4800 00A05
	Acoustic	Constructed with acoustic in-fill panels
	Dimensions (footprint),mm	3450x800x2000
	Dimensions (max),mm	4450x800x2000 (includes 1m for access to the Inverter)
	Access	Front
	Services	Top right, toward rear of unit
	Suction Size, inches	1 5/8
	Liquid Size, inches	1 1/8
Control Panel	Main Control	RDM
	Back up Control	Siemens B/up
	Isolation	1 x Main Interlocking
	Location	Fitted to left hand side of unit – outside
	Inverter	Included
	Power Monitoring	Included
	Fan Speed Controller	Included
Other Equipment	Vibration Eliminators	Fitted to all compressor delivery lines
	Crankcase Heaters	1 x each compressor
	HP Switch	1 per compressor
	LP Switch	1 per compressor
	Pack AV Mounts	Not included
	Condenser Guard	Included
	Evaporator Pump	Included
	Glycol Pump	1 off Included
	Expansion Vessel	Included
	Pressurisation Unit	Included
	Dosing Pot	Included
Condenser Type		Air cooled – Attached to unit
		Brazed plate heat exchanger