arctic circle

Refrigeration Plant Data Sheet

Site Ref: CP EARL SHILTON B
Date: 1 JULY 2011

Type of Equipment		Multi Stealth External Unit
Model No.		ST4QE-48.4-200-IT
Quantity		1
Design Parameters:-	Refrigerant	R407A
	Ambient Temp, °C	35°C
	SST, °C IT	-8
	Useful Superheat, K	10
	Liquid Subcooling, K	5
	Suction Superheat, K	20
Model of Compressors	IT	4 x 121Q050
Duty	IT, kW	92.47
Max run amps	Amps	123.1
Design run amps	Amps	92.99
Noise Rating	dB(A) @ 10m free field	57/53
Weight, approx	kg	2540
Liquid Receivers	Orientation	Horizontal
	Location	Mounted onto the unit
	Capacity, litre	90
	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	3700 x 1500 x 2225
	Dimentions (max),mm	3700 x 1800 x 2225
	Access	Front
	Services	Top left, toward rear of unit
	Suction Size, inches	2 5/8
	Liquid Size, inches	1 3/8
Control Panel	Main Control	RDM
	Back up Control	Pressue Switch
	Isolation	1 x Main
	Location	Fitted within housing
	Inverter	Not 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	Not included
Condenser Type		Air cooled – Attached to unit