

**Heatstar Project Ref:** P13960C 26-Oct-2016

**Project Title:** Calorex Replacement

**System specified :** Andromeda FX 2000 Super Plus

### Electricity:

Supply type : 3 ph-Neutral-Earth 400v 50Hz Protected supply. or  
1 ph-Neutral-Earth 230v 50Hz Protected supply.

Supply rating : Three phase: 10 Amps/phase. or  
Single phase 30 Amps.

F.L. Running current : Three phase: 6 Amps/phase. or  
Single phase 15 Amps.

Protection required : RCD (30mA) / Short circuit (MCB) / local isolator switch.

Other wiring available : Volt free switch contact to request LTHW demand.

### Air Movement:

Air Flow Rating: Return/Supply to Hall: 3,500 M<sup>3</sup>/Hr.  
Max. External Res.: 150 Pa

Exhaust Out/Fresh Air In: 385 M<sup>3</sup>/Hr.  
Max. External Res.: 100 Pa

### Sound Data:

Linear Sound Power <i>Lw dB :</i>	Frequency Hz	Return air	Supply air	Fresh air	Exhaust air
63	73.0	70.0	26.8	27.6	
125	74.3	71.2	25.9	27.2	
250	72.0	68.9	26.0	27.6	
500	73.0	70.0	25.4	27.2	
1000	70.0	67.0	25.2	27.2	
2000	72.0	68.9	24.9	26.7	
4000	69.2	66.1	22.8	24.3	
8000	59.6	56.5	19.0	20.3	

### Condensate Water Drain:

Max. rate of flow : 6.2 L/Hr.

Pipe connection : 22 mm PVC / compression with 100mm 'P' trap air lock

### L.T.H.W. Supply: (From Fuel Boiler)

Rated Flow / Rtn temp : (Closed circuit Flow/return) 82 / 71 °C

Supply output rating : 30 kW Inc. demand during initial warm-up

Flow rate required : 0.66 L/Sec @ 28.4 kPa Internal Res.

Pump size for flow : (Or equivalent duty model) UPS 25-80

Connection size / type: 28 mm Copper / Compression

Other requirements : **Automatic by-pass valve.**

### Pool Water Supply:

Connection size / type: 1.5 Inch PVC / Couplers on balanced by-pass.

Flow rate required : 2.1 L/Sec @ 0.7 kPa Internal Res.

**Refrigerant Data :** 1.3 kG of R407C : Hermetically sealed.