

Heatstar Project Ref: _____
Project Title: _____

System specified : **Phoenix 4000 Super Plus GSHP**

Electricity:

Supply type : 3 ph-Neutral-Earth 400v 50Hz Protected supply.
 Supply rating : Three phase: 27 Amps/phase.
 F.L. Running current : Three phase: 14 Amps/phase.
 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: 6,500 M³/Hr.
 Max. External Res.: 250 Pa
 Exhaust Out/Fresh Air In: 2,000 M³/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	80.5	77.2	66.1	68.0	
125	81.8	78.5	66.7	70.0	
250	79.5	76.2	64.2	68.0	
500	80.6	77.2	64.9	69.5	
1000	77.6	74.2	61.9	66.5	
2000	79.5	76.1	63.7	68.5	
4000	76.7	73.3	61.1	65.5	
8000	67.1	63.7	51.8	55.5	

Condensate Water Drain:

Max. rate of flow : 7.5 L/Hr.
 Pipe connection : 22 mm PVC / compression with 100mm 'P' trap air lock

L.T.H.W. Supply: (From Heat Pump Boiler)

Rated Flow / Rtn temp : (Closed circuit Flow/return) 55 / 50 °C
 Supply output rating : 52 kW Inc. demand during initial warm-up
 Flow rate required : 2.50 L/Sec @ 102.8 kPa Internal Res.
 Pump size for flow : (Or equivalent duty model) UPSD 40-120/2
 Connection size / type: 35 mm Copper / Compression
 Other requirements : **Automatic by-pass valve.**

Pool Water Supply:

Connection size / type: 2.0 Inch PVC / Couplers on balanced by-pass.
 Flow rate required : 3.3 L/Sec @ 1.5 kPa Internal Res.

Refrigerant Data : 2.4 kG of R407C : Hermetically sealed. E&OE