

Contact name :		
Company :		
Project Title / Ref:		P3436

Equipment Selection :

Model :	Andromeda FX	2000	Super Plus
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To provide :

Dehumidification	-	By dehumidifying heat pump
Heat recovery	-	To air and water by active heatpump technology
Air heating	-	By integral LTHW heating coil
Water heating	-	By integral LTHW heat exchanger coil
Fresh air	-	Fresh air and exhaust port provision
Air cooling	-	Not Included
Ducting required	-	Pool air intake, pool air supply, fresh air and exhaust ports

Project Design Criteria :

Av. Relative Humidity :	65 %
Pool Hall Air temperature :	30.0 °C
Pool water surface area :	55 m ²
Pool water temperature :	29.0 °C
Uncovered Hrs. Norm/Max :	2 / 6
'In use' Hrs. Norm/Max :	1 / 4
No spa included	

Structural details :

	Areas :	U-value W/m ² /°K
Exterior walls :	76.8 m ²	0.80
Exterior wall glass :	50.6 m ²	3.20
Interior walls :	31.6 m ²	0.60
Roof / ceiling :	141.6 m ²	0.80
Roof glass :	13.5 m ²	4.50
Floor :	95.5 m ²	0.60
Pool Hall Volume :	551 m ³	

Prob. annual H&V costs (Oil) :

Heating & ventilation :	£ 4,089
Energy consump. kWh :	89,361

Dimensions of selected unit :

L / W / H (mm) :	735 / 850 / 1930
Weight (approx) :	195 kg

Unit Performance data :

Dehum via heatpump :	6.8 L/Hr.
Supply airflow (auto-fan) :	3050 M ³ /Hr.
External resistance :	150 Pa
Exhaust/Fresh Air Flow:	275 M ³ /Hr.
Max. External Res.:	30 Pa
Air heating coil :	25 kW (LTHW)
Pool Heat Exchanger :	35 kW (LTHW)
Integral controls type :	Digital Electronic.

Installation services required :

Electrical supply options :	
Single phase :	230v / 50Hz 29 Amps
Three phase :	400v / 50Hz Amps / phase
Boiler pump :	UPS 15-60 80 / 60
Total Boiler duty :	KW / BTU 35 / 118,000
LTHW pipes :	28 mm flow and return
Pool Water :	1.5 inch flow and return
Condensate :	22 mm PVC

Price	£ 21,920	inc VAT	DELIVERY COST :	£235
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