

Contact name :	David	
Company :	Heatpumps4pools	21/09/2012
Project Title / Ref:		P4302B

Equipment Selection :

Model :	Andromeda FX	1000	Super Plus
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To provide :

Dehumidification	-	By heat pump dehumidifier
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 :	25 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 :	95.3 m ²	0.35
Exterior wall glass :	12.0 m ²	3.20
Roof / ceiling :	52.0 m ²	0.25
Floor :	27.0 m ²	0.25
Pool Hall Volume :	192 m ³	

Prob. annual H&V costs (Gas) :

Heating & ventilation :	£ 1,067
Energy consump. kWh :	18,908

Dimensions of selected unit :

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

Unit Performance data :

Dehum via heatpump :	5.2 L/Hr.
Supply airflow :	1500 M ³ /Hr.
External resistance :	150 Pa
Exhaust/Fresh Air Flow:	150 M ³ /Hr.
Max. External Res.:	30 Pa
Air heating coil :	10 kW (LTHW)
Titanium Pool Heat Ex. :	17 kW (LTHW)
Integral controls type :	Digital Electronic.

Installation services required :

Electrical supply options :	
Single phase :	230v / 50Hz 22 Amps
Three phase :	400v / 50Hz Amps / phase
Boiler pump :	UPS 15-60 80 / 60
Total Boiler duty :	KW / BTU 18 / 59,000
LTHW pipes :	28 mm flow and return
Pool Water :	1.5 inch flow and return
Condensate :	22 mm PVC

EX WORKS PRICE :	£ 10,142	DELIVERY COST :	LOCATION ???
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AVAILABILITY : Normally 4-6 weeks from Confirmation of Order & Final Specification

Payment terms : 10% deposit with order. Balance by cheque 7 days before delivery, or bank draft on delivery

All prices include discount, are net ex works, and are subject to VAT at applicable rates. E & O E

This quotation is subject to the terms and conditions of sale of HS Europe Ltd and is valid for 90 days.

Delivery cost excludes carriage via Hi-ab or timed deliveries.

Probable operating cost data is not intended to be binding.

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