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|-----------------------------|--------------|---|---|---------------------|
| Contact name : | | T | F | 01263 735659 |
| Company : | | | | 16/07/2012 |
| Project Title / Ref: | Quote | | | P22867 |

Equipment Selection :

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|----------------|---------------------|-------------|-------------------|
| Model : | Andromeda FX | 1000 | Super Plus |
|----------------|---------------------|-------------|-------------------|

To provide :

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|------------------|---|---|
| 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 :

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|-----------------------------|-------------------|
| Av. Relative Humidity : | 65 % |
| Pool Hall Air temperature : | 30.0 °C |
| Pool water surface area : | 23 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 :

| | | | |
|-----------------------|---------------------|------------------------------|------|
| Exterior walls : | 44.4 m ² | U-value W/m ² /°K | 0.30 |
| Exterior wall glass : | 12.4 m ² | | 2.00 |
| Interior walls : | 22.7 m ² | | 0.20 |
| Roof / ceiling : | 69.6 m ² | | 0.20 |
| Floor : | 47.1 m ² | | 0.25 |
| Pool Hall Volume : | 160 m ³ | | |

Areas :

U-value W/m²/°K

Prob. annual H&V costs (Gas) :

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|-------------------------|----------------|
| Heating & ventilation : | £ 1,278 |
| Energy consump. kWh : | 21,911 |

Dimensions of selected unit :

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

Unit Performance data :

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|--------------------------|--------------------------|
| 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 : | 7 kW (LTHW) |
| Pool Heat Exchanger : | 13 kW (LTHW) |
| Integral controls type : | Digital Electronic. |

Installation services required :

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|-----------------------------|----------------------------|
| Electrical supply options : | |
| Single phase : | 230v / 50Hz 22 Amps |
| Three phase : | 400v / 50Hz 9 Amps / phase |
| Boiler pump : | UPS 15-60 70 / 50 |
| Total Boiler duty : | KW / BTU 14 / 45,000 |
| LTHW pipes : | 28 mm flow and return |
| Pool Water : | 1.5 inch flow and return |
| Condensate : | 22 mm PVC |

TRADE PRICE : £

DELIVERY COST :

AVAILABILITY : Normally 4-6 weeks from Confirmation of Order & Final Specification

Payment terms : To be confirmed with AstralPool UK Ltd
 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 AstralPool UK Ltd and is valid for 90 days.
 Delivery cost excludes carriage via Hi-ab or timed deliveries and is subject to confirmation at time of order
 Probable operating cost data is not intended to be binding.

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