

P R O J E C T A N A L Y S I S S U M M A R Y

Project Title / Ref:

Meadow View, Kent

P1920

Selection :

Andromeda

2000 Super

AR

Description :

*Packaged Total Environmental Control unit purpose designed for indoor pool application
Dehumidifying heat pump based system with energy recycling back to room air
Single speed direct drive, forward curved, format air fan
Complete heating of room air via integral heat emitter
Plant room located - central ventilation principle with air ducting channels*

Provisions :

Humidity control	✓	Salt water / Salt chlorination compatible
Energy recycling	✓	By Dehumidifying Heat Pump acting upon recirculated room air
Heat recovery	✓	Back to room air via Dehumidifying Heat Pump
Room Air heating	✗	Not included
Pool Water heating	✓	By integral multi-row LTHW heating coil
Fresh air ventilation	✗	Not included
Room Air cooling	✗	Not included
Controls package	✓	Mechanical humidistat / Digital thermostat
Ducting required	✓	Pool air intake, pool air supply

Design Criteria:

Pool Hall Air temperature:	30 °C
Pool water surface area:	47 m ²
Pool water temperature:	29 °C
Uncovered Hrs. Norm/Max:	2 / 6
Spa water surface area:	2.4 m ²
Pool Hall Space Volume:	332 m ³
Min. ambient temperature:	-5 °C
Hall structural heat loss:	24.3 kW
Fresh air heat loss:	1.9 kW
Water heat loss:	7.1 kW

Performance data:

Dehum via heatpump :	6.8 Kg/Hr.
Recirculation Air Flow :	3800 M ³ /Hr.
Air heating coil : (LTHW)	30 kW
Total Required Boiler duty :	36 kW
Min. Flow Temperature :	82 °C
Electrical supply options :	
Single phase 230v 50Hz :	32 Amps
Three phase 400v 50Hz :	11 Amps/Ph

Annual Energy use analysis:

Probable Heat & Vent cost:	£
Source of heat energy:	Mains Gas
Energy consumption kWh:	
kG CO ² :	

Building regulation compliance :

Classification of project for regulations :		Actual: L2B Status:
L2B Existing building - non-domestic		0 N/A
Dry heat extraction from expelled air >50%:	No	Fail
Variable speed fan drive included ? :	No	Fail

EX WORKS PRICE :

£ 9,116

DELIVERY COST :

£145

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

Prices include all discounts, are net ex works, and are subject to VAT at applicable rates.

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.

Performance ratings are nominal. Annual energy use analysis is indication only and not intended to be binding. E&OE

