

Date: Mar 13

Air Source Heat Pump

KEY TO DRAINAGE
 svp - soil vent pipe - 110mm
 rwp - rainwater pipe 68mm
 rp - rodding point
 AC - access chamber 250mm
 IC - inspection chamber
 450mm
 gu - gully

18 MAY 2013

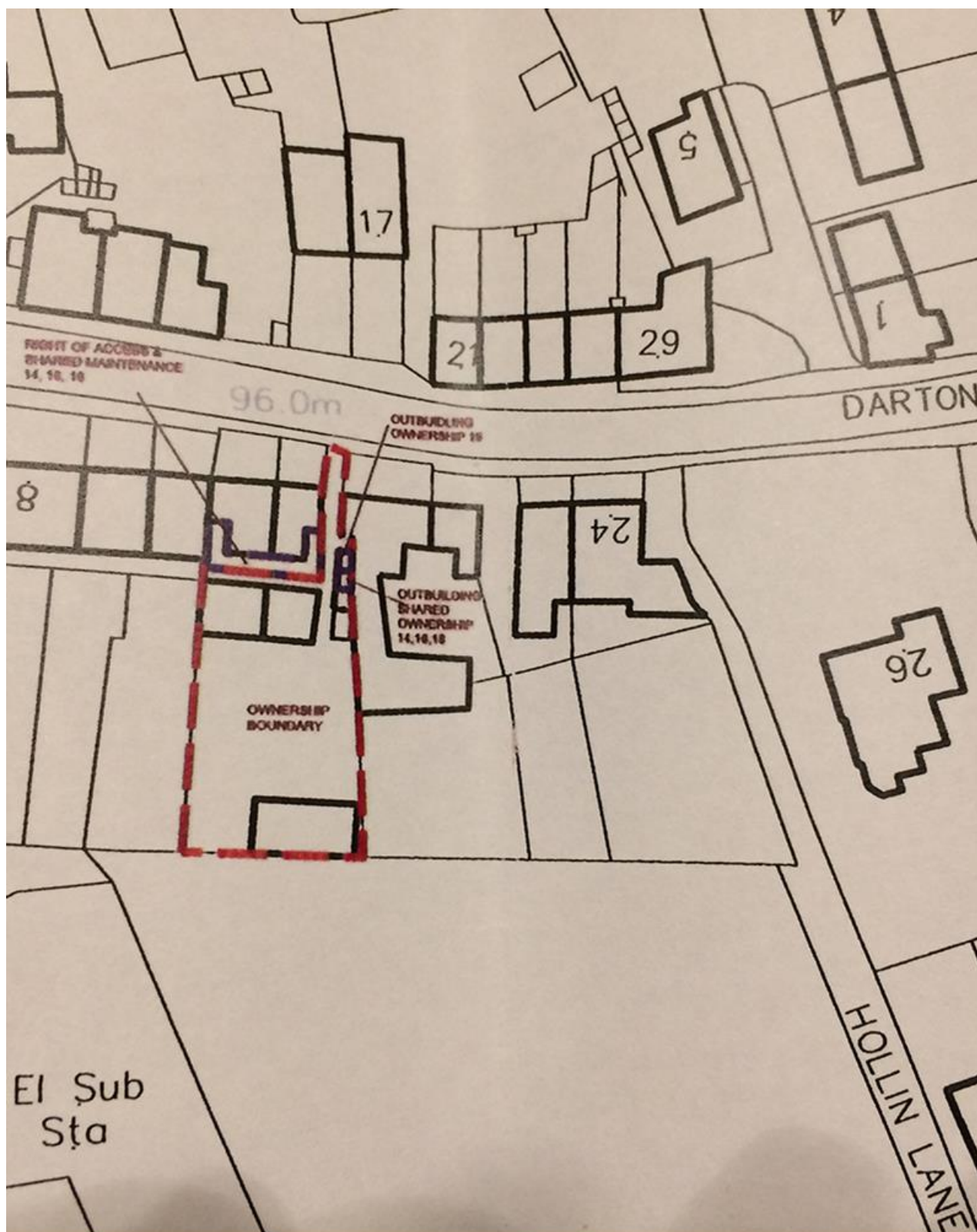
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Ecordan Monobloc Air Source Heat Pumps



■ PUHZ-W85VHA2(-BS)

Our range of Ecordan monobloc air source heat pumps includes 5, 8.5, 11.2 and 14kW sizes.

Now with the ability to cascade up to six units of the same output, Ecordan monobloc systems offer a capacity range from 5 through to 84kW. Designed to suit a wide number of applications, these models offer a viable solution for the varying requirements that domestic and small commercial applications demand.

Key Features

- Self-contained unit, only requiring water and electric connections
- No need for gas supply, flues or ventilation
- Single phase power supply with a low starting current (3 phase available for 14kW)
- Low maintenance and quiet to run
- Operates with outside temperatures as low as -20°C
- Multiple unit connection
- Hybrid function, for use with conventional boilers
- Optional 2-zone energy efficient space heating control
- Available as a standalone, packaged or semi packaged system
- Cascade function for multiple unit control
- Energy monitoring as standard
- Coastal protection models available (-BS)

Application Examples

- The vast majority of UK homes
- Small Retail Outlets
- Dental / Doctor's Surgeries
- Public Sector / Commercial Buildings



Certificate Number MCS 110002
Product Type Heat Pump
Product Reference PUHZ-W85VHA2(-BS), PUHZ-W112VHA2(-BS)
Product Code 0000-0000-0000-0000-0000-0000



OUTDOOR UNIT	
HEAT PUMP SPACE HEATER - 55°C	ErP Rating
	$\eta_{s,h}$
	SCOP
HEAT PUMP SPACE HEATER - 35°C	ErP Rating
	$\eta_{s,h}$
	SCOP
HEAT PUMP COMBINATION HEATER - Large Profile ¹	ErP Rating
	$\eta_{s,h}$
HEATING ² (A-3/W35)	Capacity (kW)
	Power Input (kW)
	COP
OPERATING AMBIENT TEMPERATURE (°C DB)	
SOUND PRESSURE LEVEL AT 1M (dBA) ^{3,4}	
LOW NOISE MODE (dBA) ³	
WATER DATA	Pipework Size (mm)
	Flow Rate (l/min)
	Water Pressure Drop (kPa)
DIMENSIONS (mm) ⁷	Width
	Depth
	Height
WEIGHT (kg)	
ELECTRICAL DATA	Electrical Supply
	Phase
	Nominal Running Current [MAX] (A)
	Fuse Rating - MCB Sizes (A) ⁵

PUHZ-W85VHA2(-BS)
A++
128%
3.27
A++
162%
4.12
A
97%
8.3
2.96
2.80
-20 ~ +35°C
48
42
22
25.8
13.5
950
330+30 ⁷
943
77
220-240v, 50Hz
Single
10.3 [23]
25

¹ Combination with EHPT20X-MHCW Cylinder

² Under normal heating conditions at outdoor temp. -3°CDB / -4°CWB, outlet water temp 35°C, inlet water temp 30°C.

³ Under normal heating conditions at outdoor temp. 7°CDB / 6°CWB, outlet water temp 35°C, inlet water temp 30°C as tested to BS EN14511.

⁴ Sound power level of the PUHZ-W85VHA2 is 81dBA, PUHZ-W85VHA2 is 82.5dBA, PUHZ-W112VHA is 85dBA, PUHZ-W140VHA2 is 85.5dBA, PUHZ-W140VHA2 is 87.5dBA. Tested to BS EN12102.

⁵ Grille.

⁶ MCB Sizes BS EN60898-2 & BS EN60947-2.

⁷ Flow Temperature Controller (FTC) for standalone systems PAC-IF062B-E Dimensions WxDxH (mm) - 520x150x450

$\eta_{s,h}$ is the seasonal space heating energy efficiency (SSHEE) $\eta_{w,h}$ is the water heating energy efficiency

