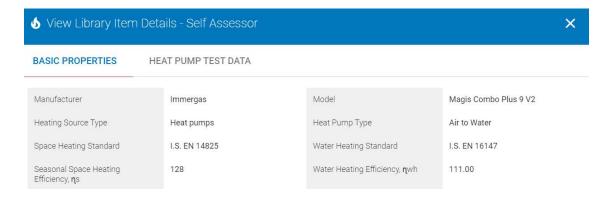
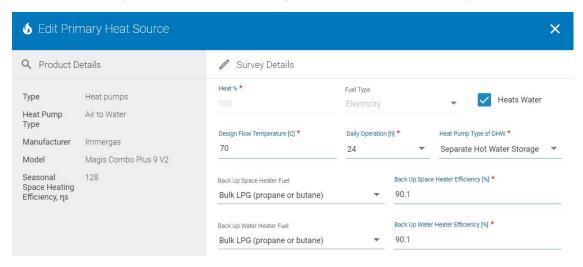
OIMMERGAS Magis Combo Plus V2 (System) – DEAP4

1. Enter the Magis Combo Plus V2 as a heat pump on the DEAP4 library.

The heat pump is tested to EN14825 and EN16147. Enter the data as you would with any other heat pump – including 35°C and 55°C data.



2. To add the primary heat source, choose the Magis Combo Plus V2 from the library...



... and enter the following details:

Heats Water: Yes Heat Pump Type of DHW: Separate Hot Water Storage

Design flow temperature °C: Max 80°C Daily Operation: Max 24h NOTE: These must match designer/installer sheet

Choose the Back Up Space Heater and Backup Water Heater fuel and efficiency from the table below.

Model	Fuel	Efficiency		
4/6/9	LPG Bottled or Bulk	90.1%		
4/6/9	Natural Gas	89.1%		
12/14/16	LPG Bottled or Bulk	91.1%		
12/14/16	Natural Gas	89.9%		

3. Enter water heating cylinder as normal on the water heating tab.

Supporting documentation – Efficiency – DEAP

Net efficiency is taken from manufacturer's data and test reports.

The methodology from DEAP manual Appendix D is applied below to determine DEAP seasonal efficiency values for Natural Gas and LPG models.

Magis Combo Plus V2 (System)

Model	4/6/9				12 / 14 / 16 / 12T / 14T / 16T			
Gas Type	Natural Gas		LPG		Natural Gas		LPG	
Condition Load	Full	Part	Full	Part	Full	Part	Full	Part
Net efficiency as per test reports	96.2%	106.1%	96.2%	106.1%	97.1%	107.2%*	97.1%	107.2%
Adjustment LPG as per D4	-		-	-2.2%	-		-	-2.2%
D2.2 conversion factor	0.901		0.921		0.901		0.921	
Gross Efficiency E	86.68%	95.60%	88.60%	95.69%	87.49%	96.41%	89.43%	96.71%
Has permanent pilot P? No = 0	0		0		0		0	
DEAP Function 102	0.5(Efull + Epart) – 2.0 – 4p							
Seasonal Efficiency 89.1%		1%	90.1%		89.9%		91.1%	

^{*}Allowable net efficiency for calculation capped at max efficiency of 107%.