Econergy Heat Pump Water Heaters
- Green Building Summary Sheet -

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Document Type
Green Building Rating Compatibility Analysis

Document Code
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Validity

greenstar		homestar		Circular Economy Model Office		LIVING BUILDING CHALLENGE	
Office 2009 + V3	✓	Homestar V2 + V3	✓	V 1.1	-	(not assessed)	-
Interiors 2009 + V3	✓						
Education 2009 + V3 + V3.1	✓						
Industrial 2009 + V3	✓						

Client
Econergy

Product Name
Heat Pump Water Heaters

Product Description

Econergy Heat Pump Water Heaters are designed to cover the range of hot water needs of New Zealand homes. Each unit has a sealed refrigerant circuit, built in circulator and is simply connected to an existing hot water cylinder via insulated water pipes.

Manner in which the product may contribute towards points	Legend of Symbols in EnviroSpec
Products must meet specific criteria (e.g. Paint VOC emissions, carpets, etc)	✓
Products may help achieve points by their very nature, if they are specified and installed (e.g. bicycle racks)	•
Products may help achieve an outcome but they must be used in a specific manner (e.g. lighting control and zoning systems) OR This product can contribute towards the outcome but many other products or factor influence that same outcome (E.g. Potable Water Calculator)	o

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Tool	Credit category	Points available	Requirements	Contribution symbol	Contribution Potential	Details of compliance
Green Star NZ Office 2009 + V3	ENE- 1	Conditional Requirement	This credit rewards the use for energy efficient design features and systems in the building.	O	Contribution Factor	Using the nominated product may help provide an energy efficient solution for hot water. *Please note: This explanation is provided as soft guidance only. Actual points and performance in the nominated credits is strongly dependent on many products, systems and design features implemented by the Architects and Engineers.*
	ENE - 2	20	This credit rewards the use for energy efficient design features and systems in the building.	O	Contribution Potential	Using the nominated product may help provide an energy efficient solution for hot water. *Please note: This explanation is provided as soft guidance only. Actual points and performance in the nominated credits is strongly dependent on many products, systems and design features implemented by the Architects and Engineers.*
Green Star NZ Industrial 2009 + V3 Education 2009 + V3 + V3.1	ENE - 1	10	This credit rewards the use for energy efficient design features and systems in the building.	O	Contribution Potential	Using the nominated product may help provide an energy efficient solution for hot water. *Please note: This explanation is provided as soft guidance only. Actual points and performance in the nominated credits is strongly dependent on many products, systems and design features implemented by the Architects and Engineers.*
	ENE - 2	10	This credit rewards the use for energy efficient design features and systems in the building.	O	Contribution Potential	Using the nominated product may help provide an energy efficient solution for hot water. *Please note: This explanation is provided as soft guidance only. Actual points and performance in the nominated credits is strongly dependent on many products, systems and design features implemented by the Architects and Engineers.*
Green Star NZ Interiors 2009 +V3	ENE - 1	Conditional Requirement	It is a conditional requirement that a minimum of 3 points are achieved from any one or combination of ENE-4, ENE-5, ENE-6 and ENE-B.	N/A	N/A	This is not applicable to hot water systems.
Homestar (V2 + V3)	EHC-2	4.5	This credit rewards the use of energy efficient water heating solutions.	O	On average between 3.6-4.3 points (Using standard sizing estimates)	If appropriately sized, then the use of an Aquarian Heat Pump Water Heater system can assist towards gaining up to 3.6 - 4.3 points in this category. (3.6 in colder climate zones, 4.3 in warmer climate zones in NZ. With an efficient shower head at 7.5 L/min)
Homestar V4	EHC-5	6	This credit rewards the use of energy efficient water heating solutions.	O	Up to 6 points (Using standard sizing estimates)	If appropriately sized, then the use of an Aquarian Heat Pump Water Heater system can assist towards gaining up to 6 points in this category. (With an efficient shower head at 7.5 L/min)
Living Building Challenge		Pass/Fail		-	-	Not assessed
SBN Circular Economy Office Model V1.1		Pass/Fail		-	-	Not assessed