

Nationwide House Energy Rating Scheme* Certificate

Certificate number: 0001153063

Certificate Date: 10 Jan 2017

★ Star rating: 6.4



Assessor details

Accreditation number: 20945
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 Declaration of interest: No interest to
 Software: Accred 13 SP3
 AAO: ABSA

Overview

Dwelling details

Street: Unit 6, 10 Largs Street
 Suburb: Largs
 State: NSW Postcode:
 Type: New NCC Class: 1a
 NatHERS climate zone: 28
 Lot/DP number: A/161055 Exposure: Open

Key construction and insulation materials

(see following pages for details)

Construction: Timber (softwood)/Plasterboard
 Metal roof/Plasterboard
 Waffle Pod
 Insulation: R2.0 wall insulation
 R3.5 ceiling insulation
 R0.8 floor insulation
 Glazing: Aluminium B SG Clear

Net floor area (m²)

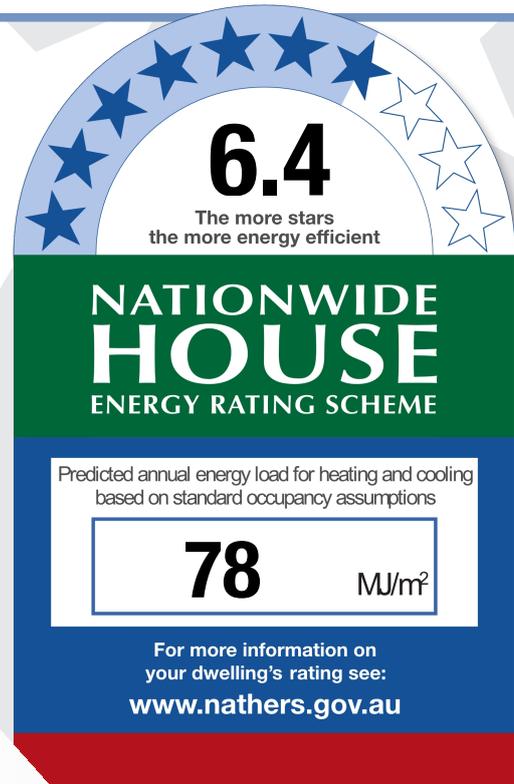
Conditioned: 57
 Unconditioned: 35
 Garage: 25
 TOTAL: 92

Annual thermal performance loads (MJ/m²)

Heating: 51
 Cooling: 27
 TOTAL: 78

Plan documents

Plan ref/date: MBS 2014001
 Prepared by: HUGH WALKER-BDD



SAMPLE ONLY

Conditions ***NOTE: This total is the maximum number of ceiling penetrations allowed to a ceiling (under a roof) for this certificate. **If this number is exceeded in construction then certificate IS NOT VALID and a new certificate is required.**

TO: ... ceiling insulation for the ... listed has been ... amount with the rating.

Principle down... (LED)

Window selection ... can to access this certificate online and confirm this is valid.

Note on allowable window values: With a 10% tolerance to the nominated SHGC window values shown on page 2, the following ratings are achieved:

-10% SHGC 6.4
 +10% SHGC 6.4

NB: This tolerance ONLY applies to SHGC, the U-value can always be lower but not higher than the values stated on page 2.

If the rating listed above falls below 6.0 stars or the required rating, then the window with this tolerance can NOT be selected.



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Building features

Window type and performance value

Window ID	Window type	U-value	SHGC
ALM-002-01 A	DEFAULTS: Aluminium B SG Clear	6.70	0.70
ALM-001-01 A	DEFAULTS: Aluminium A SG Clear	6.70	0.57

Window schedule

Location	Window ID	Window no.	Height (mm)	Width (mm)	Orientation	Outdoor shade
GARAGE	ALM-002-01 A	U6-W3	600	2700	E	None
BATH	ALM-001-01 A	U6-W2	1800	600	W	None
BEDROOM	ALM-001-01 A	U6-W1	1200	1500	S	None
KITCHEN - LIVING - DINING	ALM-001-01 A	U6-W4	2100	1800	S	None
KITCHEN - LIVING - DINING	ALM-001-01 A	U6-W5	600	2700	N	None
KITCHEN - LIVING - DINING	ALM-001-01 A	U6-W6	2100	2700	N	None

Roof window and skylight type

ID	Window type	U-value	SHGC
None Present			

Roof window and skylight schedule

Location	ID	Roof window/skylight no.	Orientation	Outdoor shade	Indoor shade/diffuser
None Present					

External wall type

ID	Wall type	Insulation	Wall wrap or foil
EW-005	Timber (softwood)/Plasterboard	Glass fibre batt.	No
EW-007	Timber (softwood)		No
EW-008	Brick Veneer	Glass fibre batt: R2.0	Yes
EW-009	Fibre-cement	Glass fibre batt: R2.0	No

External wall schedule

Location	ID	Width (mm)	Height (mm)	Orientation	Fixed Shade	Eaves (mm)
GARAGE	EW-005	4000	2400	N	No	
GARAGE	EW-005	4186	2400	E	Yes	2115
GARAGE	EW-005	6525	2400	W	Yes	644
BATH	EW-005	2468	2400	W	Yes	644
BEDROOM	EW-005	410	2400	E	No	
BEDROOM	EW-008	4000	2400	S	No	
BEDROOM	EW-008	3575	2400	W	Yes	644
KITCHEN - LIVING - DINING	EW-008	5740	2700	S	No	
KITCHEN - LIVING - DINING	EW-009	3640	3000	N	Yes	3000
KITCHEN - LIVING - DINING	EW-009	2310	3000	E	Yes	3640

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Building features continued

KITCHEN - LIVING - DINING

Location	EW-Code	Area (m ²)	Volume (m ³)	Orientation	Insulation	Area (m ²)
KITCHEN - LIVING - DINING	EW-005	2025	3000	N	Yes	1720
ROOF SPACE	EW-007	4000	710	N	No	
ROOF SPACE	EW-007	4000	710	S	No	
ROOF SPACE	EW-007	6900	1200	E	No	

Internal wall type

ID	Location	Area (m ²)	Insulation	Wall wrap or foil
IW-001	Plasterboard		Polystyrene extruded: R4.0	No
IW-002	Plasterboard			No
IW-003	Plasterboard		Glass fibre batt: R2.0	No

Floors

Location	Construction	Area (m ²)	Sub floor ventilation	Added insulation	Covering
GARAGE/Ground	300mm waffle pod with concrete cover			R0.8	
BATH/Ground	300mm waffle pod with concrete cover - CERAMIC TILES			R0.8	Ceramic tile
BEDROOM/Ground	300mm waffle pod with 85mm concrete cover - CARPET			R0.8	Carpet 10 + rubber underlay 8
KITCHEN - LIVING - DINING/Ground	300mm waffle pod with 85mm concrete cover - VINYL	4.2		R0.8	Vinyl (floor tiles)
ROOF SPACE/GARAGE	Plasterboard 13 mm + R3.5bulk insulation	8.8			
ROOF SPACE/BATH	Plasterboard 13 mm + R3.5bulk insulation	10.0			
ROOF SPACE/BEDROOM	Plasterboard 13 mm + R3.5bulk insulation	15.3			

Ceiling type

Location	Construction	Area (m ²)	Added insulation	Roof space above
ROOF SPACE/GARAGE	Plasterboard 13 mm + R3.5bulk insulation		R3.5	Yes
ROOF SPACE/BATH	Plasterboard 13 mm + R3.5bulk insulation		R3.5	Yes
ROOF SPACE/BEDROOM	Plasterboard 13 mm + R3.5bulk insulation		R3.5	Yes

Ceiling penetrations

Location	Number	Type	Diameter (mm)	Sealed/unsealed
GARAGE	6	Downlight		Sealed

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Building features continued

BATH	4	Downlight		Sealed
BATH	1	Ceiling exhaust fan	160	Sealed
BEDROOM	6	Downlight		Sealed
KITCHEN - LIVING - DINING	12	Downlight		Sealed
KITCHEN - LIVING - DINING	2	Ceiling exhaust fan	160	Sealed

Ceiling fans

Location

BEDROOM
KITCHEN - LIVING - DINING 2

Diameter (mm)

400

160

Roof type

Construction

Metal deck
Metal deck system - R4.0

Added insulation

R1.5
R4.0

Roof colour

Dark
Dark

Sample Only

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Additional information

Explanation

About this report

Residential energy ratings are based on a dynamic computer modelling evaluation of the fabric i.e. walls, windows, doors, roof and ceiling. Ratings do not cover the energy or water consumption of appliances including heating and cooling, hot water, refrigerators, fridges, TVs etc. or solar panel or other systems. The efficiency or specification of these systems may be covered by other regulations, standards or codes of practice.

General Information

A NatHERS House Energy Rating is a comprehensive dynamic computer modelling evaluation of the flow of energy through elevations and specifications to predict an energy load for your home. Not all of us use our homes in the same way, so energy ratings are generated using standard assumptions. This means homes can be compared across the country.

The actual energy consumption of your home may vary significantly from the predicted energy load figures in the report depending on issues such as the size of your household and your personal preferences, e.g. in terms of heating or cooling.

While the figures are an indicative guide to energy use, they can be used as a reliable guide for comparative purposes between different house designs and for demonstrating that the design meets the required regulatory compliance.

Homes that are energy efficient use less energy, are warmer in winter, cooler in summer and cost less to run. The higher the star rating the more energy efficient.

This NatHERS House Energy Rating report was carefully prepared by your assessor on the basis of comprehensive modelling using standard procedures to rate your home using the underlying engine developed by the Australian Commonwealth Scientific and Industrial Research Organisation (CSIRO).

All information relating to energy loads presented in this report is based on a range of standard assumptions in order to allow for comparisons with reports prepared for other homes and to demonstrate minimum regulatory compliance.

The standard assumptions include figures for occupancy, indoor air temperature and are based on a unique climate file for your region.

Accredited Assessors

To ensure you get a high-quality, professional NatHERS House Energy Rating report, you should always use an accredited assessor, accredited assessors are members of a professional body called an Assessor Accrediting Organisation (AAO).

AAOs have specific quality assurance processes in place and continuing professional development requirements to maintain a high and consistent standard of assessments across the country. Non-accredited assessors do not have access to quality assurance or any on-going training or support.

If you have any questions or concerns about this report, please contact your assessor in the first instance.

Your assessor should be able to address your questions or concerns. You can also contact their AAO listed under 'assessor details' in the report for a range of information about accredited assessors and AAO websites.

The energy rating is for comparison purposes only; it is not a guarantee of energy use. This rating is based on standard assumptions, details, orientation and climate as shown on the drawing set that is attached to this certificate. Changes to these details could affect the rating.

Contact

For more information on the Nationwide House Energy Rating Scheme (NatHERS), visit www.nathers.gov.au

For more information on energy efficient design and insulation visit www.yourhome.gov.au