

Nationwide House Energy Rating Scheme* Certificate



Certificate Number: 3HL4J4J99R

Date of Certificate: 13 Aug 2019

★ Star rating: 5.2

Assessor details

Accreditation number: **VIC/BDAV/14/1658**
Name: **Duncan Hope**
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Phone: **61280067784**
Declaration of interest: **Employed by organisation constructing the building**
Software: **FirstRate5: 5.2.10b (3.13)**
AAO: **BDAV**

Overview

Dwelling details

Address: **3260 Gragin Road**
Suburb: **WARIALDA**
State: **NSW** Postcode: **2402**
Type: **New Home** NCC Class: **Class 1a**
Lot/DP number: **8 //1163721** NatHERS climate zone: **8**
Exposure: **suburban**

Key construction and insulation materials

(see following pages for details)

Construction: Wall: **As indicated**
Roof: **As indicated**
Floor: **As indicated**
Insulation: Wall: **As indicated**
Roof: **As indicated**
Floor: **As indicated**
Glazing: **As indicated**
As indicated

Net floor area (m²)

Conditioned: **81**
Unconditioned: **13.9**
Garage: **-**
TOTAL: **94.9**

Annual thermal performance loads (MJ/m²)

Heating: **39.7**
Cooling: **73.9**
TOTAL: **113.6**

Plan documents

Plan ref/date: **Job No.: 4541**
Prepared by: **Wholesale Homes and Sheds**



Ceiling penetrations

(see following pages for details)

Sealed: **0**
Unsealed: **0**
TOTAL: **0**

Principal downlight type: **Compact fluorescent**

****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 this certificate IS NOT VALID and a new certificate is required.** Loss of ceiling insulation for the penetrations listed has been taken into account with the rating.

Window selection - default windows only

Note on allowable window values: Only a 5% tolerance to the nominated SHGC window values shown on page 2 can be used with this rating.

Note: Only a +/-5% SHGC tolerance is allowed with this rating.

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If any of the windows selected are outside the 5% tolerance then this certificate is no longer valid and the dwelling will need to be rerated to confirm compliance.

Scan to access this certificate online and confirm this is valid.



<https://www.fr5.com.au/QRCodeLanding?PublicId=3HL4J4J99R>

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Building Features

Windows type and performance value

Window ID	Window type	U-value	SHGC
A&L-012-04 A	Al Sliding Door SG 4Clr	6.09	0.72
A&L-003-01 A	Al Sliding Window SG 3Clr	6.15	0.78

Windows schedule

Window ID	Window no.	Height (mm)	Width (mm)	Orientation	Zone name	Outdoor shade
A&L-012-04 A	21-18asd	2100	1800	S	Bedroom 1	No
A&L-003-01 A	12-12asw	1200	1200	E	Bath Laundry	No
A&L-003-01 A	06-06asw	600	600	N	Bath Laundry	No
A&L-003-01 A	12-18asw	1200	1800	N	Kitchen/Living	No
A&L-003-01 A	12-18asw	1200	1800	N	Kitchen/Living	No
A&L-012-04 A	21-24asd	2100	2400	S	Kitchen/Living	No
A&L-003-01 A	11-12asw	1100	1200	S	Kitchen/Living	No

Roof windows and skylight type and performance value

ID	Window type	U-value	SHGC
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Roof window and skylight schedule

ID	Roof window/ skylight no.	Area (m ²)	Orientation	Zone name	Outdoor shade	Indoor shade/ diffuser
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External wall type

Type	Insulation	Wall wrap
1 : Colourbond - 90mm Colourbond Sheet with R2.0	Rockwool batt: R2.0 (R2.0)	Yes

External wall schedule

Wall type	Area (m ²)	Orientation	Zone name	Fixed shade	Eaves
1 : Colourbond - 90mm Colourbond Sheet with R2.0	7.3	S	Bedroom 1	No	Yes
1 : Colourbond - 90mm Colourbond Sheet with R2.0	4.9	S	Bath Laundry	No	Yes
1 : Colourbond - 90mm Colourbond Sheet with R2.0	17.1	E	Bath Laundry	No	Yes
1 : Colourbond - 90mm Colourbond Sheet with R2.0	4.9	N	Bath Laundry	No	Yes

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1 : Colourbond - 90mm Colourbond Sheet with R2.0	7.3	N	Hallway	No	Yes
1 : Colourbond - 90mm Colourbond Sheet with R2.0	21	N	Kitchen/Living	No	Yes
1 : Colourbond - 90mm Colourbond Sheet with R2.0	17.1	W	Kitchen/Living	No	Yes
1 : Colourbond - 90mm Colourbond Sheet with R2.0	21	S	Kitchen/Living	No	Yes

Internal wall type

Type	Area (m ²)	Insulation
1 : FR5 - Internal Plasterboard Stud Wall	41.1	

Floors

Location	Construction	Area (m ²)	Sub floor ventilation	Added insulation	Covering
Bedroom 1	TIMB - DS - Timber Lined (DS Wrap)	13.2	Open	R0.0	Carpet
Bath Laundry	TIMB - DS - Timber Lined (DS Wrap)	13.9	Open	R0.0	Tiles
Hallway	TIMB - DS - Timber Lined (DS Wrap)	7.5	Open	R0.0	Tiles
Kitchen/Living	TIMB - DS - Timber Lined (DS Wrap)	60.3	Open	R0.0	Tiles

Ceiling type

Location	Material	Added insulation	Roof space above
Bedroom 1	Plasterboard	R3.0	Yes
Bath Laundry	Plasterboard	R3.0	Yes
Hallway	Plasterboard	R3.0	Yes
Kitchen/Living	Plasterboard	R3.0	Yes

Ceiling penetrations

Location	Number	Type	Width (mm)	Length (mm)	Seal/ unsealed
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Ceiling fans

Location	Number	Diameter (mm)
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Roof type

Material	Added insulation	Roof colour
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Building Features

Vent:Attic-Vented

1.3

dark

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Additional information

Explanatory notes

About this report

Residential energy ratings address the quality of the building fabric i.e. walls, windows, floors and roof/ceilings. Ratings do not cover the energy or water efficiency of appliances including heating and cooling, hot water, dishwashers, ovens, fridges, TVs etc. or solar panel or water tank requirements. The efficiency or specification of these items is generally covered by other regulations, standards or guidelines.

General Information

A NatHERS House Energy Rating is a comprehensive, dynamic computer modelling evaluation of the floorplans, elevations and specifications to predict an energy load of a home. Not all of us use our homes in the same way, so 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 this 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 an 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 this level of quality assurance or any on-going training requirements.

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

If your assessor is unable to address your questions or concerns, please contact their AAO listed under 'assessor details'. You can also find a range of information about accredited assessors on the AAO websites.

Disclaimer

The energy values quoted are for comparison purposes only; they are not a prediction of actual energy use. This rating only applies to the floor plan, construction details, orientation and climate as submitted and included in the attached drawing set that bears a stamp with the same number as this certificate. Changes to any of 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