Nationwide House Energy Rating Scheme® NatHERS® Certificate No. G5SXQLQ80Q-03

Generated on 30 Apr 2025 using FirstRate5: 5.5.5a (3.22)

Property

Address 1, 12A John Street,

Avalon, NSW, 2107

Lot/DP 1/DP1237357

NCC Class* Class 1a

Floor/all Floors

New Home Type

Plans

Main plan Issue C 28/04/2025 Prepared by **THW Architects**

Construction and environmen

Assessed floor area [m2]*

188.1

Unconditioned*

Conditioned*

Garage

11

Total

199.1

Exposure type

suburban

NatHERS climate zone

56 Mascot AMO



Jennifer Edwards Name **Business name** LivSmart Solutions

Email contact@livsmartsolutions.com.au

Phone 0414405009 Accreditation No. DMN/17/1795

Assessor Accrediting Organisation

Design Matters National

Declaration of interest No

NCC Requirements

NCC provisions Volume 2 State/Territory variation Yes

National Construction Code (NCC) requirements

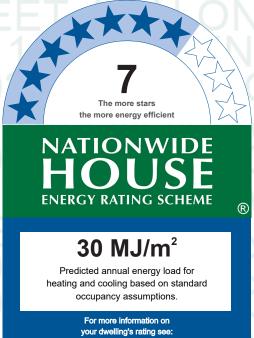
The NCC allows the use of NatHERS accredited software to comply with the energy efficiency requirements for houses (Class 1 buildings) and apartments (Class 2 sole-occupancy units and Class 4 parts of buildings). The applicable requirements for houses are detailed in Specification 42 of NCC Volume Two. For apartments the requirements are detailed in clauses J3D3 and J3D15 of NCC Volume One.

NCC 2022 includes enhanced thermal performance requirements for houses and apartments. It also includes a new whole-of-home annual energy use budget which applies to the major equipment in the home.

The NCC, and associated ABCB Standards and support material, can be accessed at www.abcb.gov.au.

Note, variations and additions to the NCC energy efficiency requirements may apply in some states and territories.

Thermal performance star rating



Thermal performance [MJ/m²]

www.nathers.gov.au

Limits taken from ABCB Standard 2022

	Heating	Cooling
Modelled	15.1	14.9
Load limits	N/A	N/A

Features determining load limits

Floor type	N/A
(lowest conditioned area)	
NCC climate zone 1 or 2	N/A
Outdoor living area	N/A
Outdoor living area ceiling fan	N/A

Whole of Home performance rating

No Whole of Home performance rating generated for this certificate

Verification

To verify this certificate, scan the QR code or visit https://w ww.fr5.com.au/QRCodeLand ing?PublicId=G5SXQLQ80Q -03 When using either link, ensure you are visiting www.fr5.com.au.



About the ratings

Thermal performance rating

NatHERS thermal software models the expected heating and cooling energy loads using information about the design, construction, climate and common patterns of household use. The thermal performance rating (shown as a star rating on this Certificate) does not take into account appliances, apart from the airflow impacts from ceiling fans.

Whole of Home performance rating

NatHERS Whole of Home software uses the heating and cooling energy loads combined with the energy performance of the home's appliances (heating, cooling, hot water, lighting, pool/spa pump and onsite renewable energy generation and storage) and models the expected energy value* of the whole home. The Whole of Home performance rating is shown as a score out of 100 on this Certificate.

Heating & Cooling Load Limits

Additional information

In some locations under the NCC NatHERS pathway, separate heating and cooling load limits may apply. Minimum required star ratings in northern parts of Australia may also be affected by the presence or absence of an outdoor living area and/or an outdoor living area ceiling fan. Refer to the ABCB NatHERS heating and cooling load limits Standard 2022 for details or contact the relevant local building regulating authority, noting that State and Territory variations may also apply.

Setting options:

Floor type:

CSOG - Concrete Slab on Ground

SF - Suspended Floor (or a mixture of CSOG and SF)

NA - Not Applicable

NCC climate Zone 1 or 2:

Yes

Νo

NA – not applicable

Outdoor living area:

Yes

Nο

NA - not applicable

Outdoor living area ceiling fan:

Yes

No

NA - not applicable



Predicted onsite renewable energy impact

No Whole of Home performance assessment conducted for this certificate.

Predicted Whole of Home annual impact by appliance

Shows the contribution each appliance has on the home's annual energy use, greenhouse gas emissions and cost without solar

Energy use:

No Whole of Home performance assessment conducted for this certificate.

Greenhouse gas emissions:

No Whole of Home performance assessment conducted for this certificate.

Cost:

No Whole of Home performance assessment conducted for this certificate.

Graph key:

Certificate check	Approval	stage	Construc stage	tion	
The checklist covers important items impacting the dwelling's ratings. It is recommended that the accuracy of the whole certificate is checked.	Assessor checked	Consent authority/ surveyor checked	Builder checked	Consent authority/ surveyor checked	Occupancy/other
Note: The boxes indicate when and who should check each item. It is not mandatory to complete this checklist.	Assess	Conser	Builder	Conser	Occupe
Genuine certificate check					
Does this Certificate match the one available at the web address or QR code verification link on the front page?					
Does the NatHERS certificate number on the NatHERS-stamped plans match the number on this Certificate?					
Thermal performance check			•		
Windows and glazed doors					
Does the window size, opening type and location shown on the NatHERS-stamped plans or as installed match what is shown in 'Window and glazed door schedule' and 'Roof window schedule' tables on this Certificate?					
Does the installed windows meet the substitution tolerances (AFRC* based SHGC* and U-values*) as shown in the 'Window and glazed door type and performance' and 'Roof window type and performance' tables on this Certificate?					
External walls					
Does the external wall bulk insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the External wall type table on this Certificate?					
Does the external wall shade (colour) match what is shown in the 'External wall type' table on this Certificate?					
Floor					
Does the floor insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the 'Floor type' table on this certificate?					
Ceiling penetrations*		I	1		
Does the 'quantity' and 'type' of ceiling penetrations* (e.g. downlights, exhaust fans, etc) shown on the NatHERS-stamped plans or as installed match what is shown in the 'Ceiling penetrations' table on this Certificate?					
Ceiling					
Does the ceiling insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the 'Ceiling type' table on this Certificate?					
Roof					
Does the external roof shade (colour) on the NatHERS stamped plans or as installed match what is shown in the 'Roof type' table on this Certificate?					
Apartment entrance doors (NCC Class 2 assessments only)					
Does the 'External Door Schedule' show apartment entrance doors? Please note that an "external door" between the modelled dwelling and a shared space, such as an enclosed corridor or foyer, should not be included in the assessment (because it overstates the possible ventilation) and would invalidate the Certificate.					
Exposure*					
Has the appropriate exposure type (terrain) (shown on page 1) been applied? For example, it is unlikely that a ground-floor apartment is "exposed" or a top floor high-rise apartment is "protected".					
Heating and cooling load limits*					
Do the load limits settings (shown on page 1) match the values in the ABCB Standard 2022: NAtHERS heating and cooling load limits for the appropriate climate zone?					

Certificate check Continued	checked	ority/ ked			
	Assessor checked	Consent authority, surveyor checked	Builder checked	Consent authority/ surveyor checked	Occupancy/other
Additional NCC requirements for thermal performance (not included in the	the Nat	HERS a	ssessme	nt)	
Thermal bridging					
Does the dwelling meet the NCC requirement for thermal bridging?					
Insulation installation method					
Has the insulation been installed according to the NCC requirements?					
Building sealing				'	
Does the dwelling meet the NCC requirements for Building Sealing?					
Whole of Home performance check (not applicable if a Whole of Home performa	nance as	sessment	is not con	ducted)	
Appliances					
Does the cooling appliance/s type, location and efficiency/performance shown on the NatHERS-stamped plans or as installed match the location and minimum efficiency/performance requirements shown in the Appliance schedule on this Certificate?					
Does the heating appliance/s type, location and efficiency/performance shown on the NatHERS-stamped plans or installed, match the location and minimum efficiency/performance requirements shown in the 'Appliance schedule' on this Certificate?					
Does the hot water system type and efficiency/performance shown on the NatHERS-stamped plans or as installed match the location and minimum efficiency/performance requirements shown in the 'Appliance schedule' on this Certificate?					
Does the pool pump efficiency/performance shown on the NatHERS-stamped plans or as installed match the minimum efficiency/performance requirements shown in the 'Appliance schedule' on this Certificate?					
Does the onsite renewable energy system type, orientation and system size or generation capacity shown on the NatHERS stamped plans or installed match the 'Onsite Renewable Energy schedule' on this Certificate?					
Additional NCC Requirements for Services (not included in the NatHERS	S asses	ssment)			
Does the lighting meet the artificial lighting requirements specified in the NCC?					
Does the hot water system meet the additional requirements specified in the NCC?					
Provisional values* check					
Have provisional values* been used in the assessment and, if so, are they noted in 'Additional notes' table below?					
Other NCC requirements					

Note: This Certificate only covers the energy efficiency requirements in the NCC. Additional requirements that must also be satisfie include, but are not limited to: condensation, structural and fire safety requirements and any state or territory variations to the NCC energy efficiency requirements.

Additional notes

Room schedule

Room	Zone Type	Area [m²]
Bathroom 2	unconditioned	5.5
Bedroom 4	bedroom	14.3
Laundry/Pantry	dayTime	10.5
Kitchen/Living	kitchen	61.3
Dining	living	24.5
Bathroom 1	unconditioned	5.5
WIR	nightTime	8.2
Bedroom 3	bedroom	16.5
Bedroom 2	bedroom	16.4
Master Ensuite	nightTime	9.9
Master Bedroom	bedroom	18.3
Hallway	dayTime	8
Stairs - level 1	dayTime	6.4

Window and glazed door type and performance

Default* windows

Window ID				Substitution tolerance ranges		
	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit	
ATB-005-03 B	Al Thermally Broken A DG Argon Fill High Solar Gain low-E -Clear	2.91	0.44	0.42	0.46	

Custom* windows

				Substitution to	lerance ranges
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit
JAL-002-05 A	Aluminium Louvre Secondary Glaze SG 6mmLE	3.71	0.54	0.51	0.57

Window and glazed door schedule

Location	Window ID	Window no.	Height [mm]	Width [mm]	Window type	Opening %	Orientation	Window shading device*
Bathroom 2	JAL-002-05 A	WA10	2800	800	louvre	90.0	NW	No
Bedroom 4	JAL-002-05 A	WA11a	1200	600	louvre	90.0	SW	No
Bedroom 4	ATB-005-03 B	WA11b	1200	1400	fixed	0.0	SW	No
Bedroom 4	JAL-002-05 A	WA01a	1200	600	louvre	90.0	SE	No
Bedroom 4	ATB-005-03 B	WA01b	1200	1500	fixed	0.0	SE	No
Laundry/Pantry	JAL-002-05 A	WA02a	700	600	louvre	90.0	SE	No

Certificate

7 Star Rating as of 30 Apr 2025



Laundry/Pantry	ATB-005-03 B	WA02b	700	1800	fixed	0.0	SE	No
Laundry/Pantry	JAL-002-05 A	WA02c	700	600	louvre	90.0	SE	No
Kitchen/Living	JAL-002-05 A	WA03c	700	600	louvre	90.0	SE	No
Kitchen/Living	ATB-005-03 B	WA03b	700	3000	fixed	0.0	SE	No
Kitchen/Living	JAL-002-05 A	WA03a	700	600	louvre	90.0	SE	No
Kitchen/Living	JAL-002-05 A	WA08	2800	900	louvre	90.0	NE	No
Kitchen/Living	ATB-005-03 B	WA09a	2800	1400	fixed	0.0	NW	No
Kitchen/Living	JAL-002-05 A	WA09b	2800	800	louvre	90.0	NW	No
Dining	ATB-005-03 B	WA04	2800	1600	sliding	90.0	SE	No
Dining	ATB-005-03 B	WA05	2800	1885	sliding	45.0	NE	No
Dining	ATB-005-03 B	WA06	2800	1885	sliding	45.0	NE	No
Dining	ATB-005-03 B	WA07	2800	4900	sliding	60.0	NW	No
Bathroom 1	JAL-002-05 A	WA18	2800	800	louvre	90.0	NW	No
Bedroom 3	ATB-005-03 B	WA20a	1200	1400	fixed	0.0	SW	No
Bedroom 3	JAL-002-05 A	WA20b	1200	600	louvre	90.0	SW	No
Bedroom 3	JAL-002-05 A	WA12a	1200	600	louvre	90.0	SE	No
Bedroom 3	ATB-005-03 B	WA12b	1200	1500	fixed	0.0	SE	No
Bedroom 2	JAL-002-05 A	WA13a	1200	600	louvre	90.0	SE	No
Bedroom 2	ATB-005-03 B	WA13b	1200	1500	fixed	0.0	SE	No
Master Ensuite	JAL-002-05 A	WA14a	1200	600	louvre	90.0	SE	No
Master Ensuite	ATB-005-03 B	WA14b	1200	1500	fixed	0.0	SE	No
Master Ensuite	ATB-005-03 B	WA15	2800	2000	fixed	0.0	NE	No
Master Bedroom	ATB-005-03 B	WA16a	2800	3000	sliding	45.0	NE	No
Master Bedroom	JAL-002-05 A	WA16b	2800	900	louvre	90.0	NE	No
Hallway	JAL-002-05 A	WA19	2800	1250	louvre	90.0	SW	No
Stairs - level 1	ATB-005-03 B	WA17a	2800	1400	fixed	0.0	NW	No
		WA17b		800		90.0	NW	No

Roof window* type and performance value

Default* roof windows

				Substitution to	lerance ranges
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit
No Data Available					

Custom* roof windows

				Substitution tolerance ranges		
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit	
Velux:VEL-010-01 W	VELUX VS - Ventilating Skylight DG 3mm LoE 366 / 8.5mm Argon Gap / 5.36mm Clear La	2.53	0.21	0.2	0.22	

Roof window* schedule

Location	Window ID	Window no.	Opening %	Area [m²]	Width [mm]	Orientation	Outdoor shade	Indoor shade
Bathroom 1	Velux:VEL-010-01 W	SL01 - Bath	90.0	0.7	0	N	None	None
Master Ensuite	Velux:VEL-010-01 W	SL02 - Ensuite	90.0	0.7	0	N	None	None

Skylight* type and performance

Skylight ID	Skylight description	Skylight shaft reflectance
No Data Available		

Skylight* schedule

			Skylight shaft	Area	Orient-	Outdoor	
Location	Skylight ID	Skylight No.	length [mm]	[m²]	ation	shade	Diffuser
No Data							
Available							

External door schedule

Location	Height [mm]	Width [mm]	Opening %	Orientation
Kitchen/Living	2800	1200	100.0	SW

External wall type

Wall type	Solar absorptance	Wall shade [colour]	Bulk insulation [R-value]	Reflective wall wrap*
TBR - TimberR3.6	0.5	Medium	Polystyrene expanded (k = 0.039) (R3.6)	No
FC - Fibre-cementR3.6	0.64	Dark	Polystyrene expanded (k = 0.039) (R3.6)	No
TBR - TimberPBR1.15	0.5	Medium	Polystyrene expanded (k = 0.039) (R1.2)	No
Cavity Brick - Brick cavity PartyRenR1.75R	0.64	Dark	Polyethylene foam (k = 0.04) (R1.8)	Yes
	TBR - TimberR3.6 FC - Fibre-cementR3.6 TBR - TimberPBR1.15 Cavity Brick - Brick cavity	Wall type absorptance TBR - TimberR3.6 0.5 FC - Fibre-cementR3.6 0.64 TBR - TimberPBR1.15 0.5 Cavity Brick - Brick cavity 0.64	Wall type absorptance [colour] TBR - TimberR3.6 0.5 Medium FC - Fibre-cementR3.6 0.64 Dark TBR - TimberPBR1.15 0.5 Medium Cavity Brick - Brick cavity 0.64 Dark	Wall typeabsorptance [colour][R-value] $TBR - TimberR3.6$ 0.5 MediumPolystyrene expanded (k = 0.039) (R3.6) $FC - Fibre-cementR3.6$ 0.64 DarkPolystyrene expanded (k = 0.039) (R3.6) $TBR - TimberPBR1.15$ 0.5 MediumPolystyrene expanded (k = 0.039) (R1.2)Cavity Brick - Brick cavity 0.64 DarkPolyethylene foam (k = 0.039) (R3.6)

External wall schedule

Wall ID	Height [mm]	Width [mm]	Orientation	Horizontal shading feature* maximum projection [mm]	Vertical shading feature* (yes/no)
1	2800	2697	SW	650	Yes
1	2800	422	SW	650	Yes
1	2800	506	SE	1740	Yes
1	2800	1762	NW	0	Yes
1	2800	429	SW	655	Yes
1	2800	864	SW	655	Yes
	Wall ID 1 1 1 1 1 1 1	Wall ID [mm] 1 2800 1 2800 1 2800 1 2800 1 2800 1 2800	Wall ID [mm] [mm] 1 2800 2697 1 2800 422 1 2800 506 1 2800 1762 1 2800 429	Wall ID [mm] [mm] Orientation 1 2800 2697 SW 1 2800 422 SW 1 2800 506 SE 1 2800 1762 NW 1 2800 429 SW	Wall ID Height [mm] Width [mm] feature* maximum projection [mm] 1 2800 2697 SW 650 1 2800 422 SW 650 1 2800 506 SE 1740 1 2800 1762 NW 0 1 2800 429 SW 655

Certificate

7 Star Rating as of 30 Apr 2025

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Bedroom 4	2	2800	2040	SW	662	Yes
Bedroom 4	1	2800	738	SW	655	Yes
Bedroom 4	1	2800	662	SE	0	Yes
Bedroom 4	2	2800	2136	SE	0	Yes
Bedroom 4	1	2800	724	SE	0	Yes
Bedroom 4	1	2800	561	NW	1721	Yes
Laundry/Pantry	1	2800	2973	SE	0	Yes
Kitchen/Living	1	2800	1208	SW	1217	Yes
Kitchen/Living	1	2800	4174	SE	0	Yes
Kitchen/Living	1	2800	723	NE	0	Yes
Kitchen/Living	1	2800	2723	NE	7282	Yes
Kitchen/Living	1	2800	6861	NW	0	Yes
Kitchen/Living	1	3200	2163	NW	0	Yes
Dining	1	2800	1651	SE	161	Yes
Dining	3	2800	1572	SE	197	Yes
Dining	1	2800	1600	SE	172	Yes
Dining	1	2800	1814	NE	2340	Yes
Dining	4	2800	399	NW	4381	Yes
Dining	4	2800	1554	NE	2600	Yes
Dining	4	2800	397	SE	3400	Yes
Dining	1	2800	1836	NE	2356	Yes
Dining	1	2800	4826	NW	1105	Yes
Bathroom 1	1	2800	3125	SW	591	No
Bathroom 1	1	2800	533	SE	1182	Yes
Bathroom 1	1	2800	1760	NW	658	No
WIR	1	2800	2777	NW	642	Yes
Bedroom 3	1	2800	1279	SW	599	No
Bedroom 3	2	2800	2052	SW	606	No
Bedroom 3	1	2800	746	SW	599	No
Bedroom 3	1	2800	669	SE	582	No
Bedroom 3	2	2800	2148	SE	589	No
Bedroom 3	1	2800	1319	SE	582	No
Bedroom 3	1	2800	536	NW	1189	Yes
Bedroom 2	1	2800	4105	SE	588	No
Master Ensuite	1	2800	2423	SE	594	No
Master Ensuite	1	2800	717	NE	535	Yes
Master Ensuite	1	2800	3367	NE	554	Yes
Master Bedroom	1	2800	3027	NE	541	Yes
Master Dedition						

7 Star Rating as of 30 Apr 2025

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Master Bedroom	1	2800	3820	NW	638	Yes
Hallway	1	2800	1219	SW	1241	Yes
Stairs - level 1	1	2800	2165	NW	660	No

Internal wall type

Wall ID	Wall type	Area [m²]	Bulk insulation
1	FR5 - Internal Plasterboard Stud Wall	138.3	
2	Internal plasterboard - Internal plasterboard R3.6	23.6	Polystyrene expanded (k = 0.039) (R3.0)

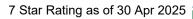
Floor type

J1					
Location	Construction	Area [m²]	Sub-floor ventilation	Added insulat [R-value]	ion Covering
Bathroom 2	TMBR - Timber R4.6R	5.5	Very open	R4.6	Tiles
Bedroom 4	TMBR - Timber R4.6R	14.3	Very open	R4.6	Timber
Laundry/Pantry	TMBR - Timber R4.6R	10.5	Very open	R4.6	Timber
Kitchen/Living	TMBR - Timber R4.6R	61.3	Very open	R4.6	Timber
Dining	TMBR - Timber R4.6R	24.5	Very open	R4.6	Timber
Bathroom 1	TMBR - Timber LinedR3R	5.5	Enclosed	R3.0	Tiles
WIR	TMBR - Timber LinedR3R	8.2	Enclosed	R3.0	Timber
Bedroom 3	TMBR - Timber LinedR3R	16.5	Enclosed	R3.0	Timber
Bedroom 2	TMBR - Timber LinedR3R	16.4	Enclosed	R3.0	Timber
Master Ensuite	TMBR - Timber LinedR3R	9.9	Enclosed	R3.0	Tiles
Master Bedroom	TMBR - Timber LinedR3R	18.3	Enclosed	R3.0	Timber
Hallway	TMBR - Timber LinedR3R	8	Enclosed	R3.0	Timber
Stairs - level 1	TMBR - Timber LinedR3R	6.4	Enclosed	R3.0	Timber

Ceiling type

Location	Construction material/type	Bulk insulation R-value [may include edge batt values]	Reflective wrap*
Bathroom 2	TMBR - Timber LinedR3R	R3.0	No
Bedroom 4	TMBR - Timber LinedR3R	R3.0	No
Laundry/Pantry	TMBR - Timber LinedR3R	R3.0	No
Kitchen/Living	TMBR - Timber LinedR3R	R3.0	No
Dining	Plasterboard	R6.0	No
Bathroom 1	Plasterboard	R6.0	No
WIR	Plasterboard	R6.0	No
Bedroom 3	Plasterboard	R6.0	No
Bedroom 2	Plasterboard	R6.0	No

Certificate





Master Ensuite	Plasterboard	R6.0	No
Master Bedroom	Plasterboard	R6.0	No
Hallway	Plasterboard	R6.0	No
Stairs - level 1	Plasterboard	R6.0	No

Ceiling penetrations*

Location	Quantity	Туре	Height [mm]	Width [mm]	Sealed/unsealed
Bathroom 2	1	Exhaust Fans	200	200	Sealed
Laundry/Pantry	1	Exhaust Fans	160	160	Sealed
Kitchen/Living	1	Exhaust Fans	160	160	Sealed
Dining	1	Heater Flues	500	1200	Unsealed
Bathroom 1	1	Exhaust Fans	200	200	Sealed
Master Ensuite	1	Exhaust Fans	200	200	Sealed

Ceiling fans

Location	Quantity	Diameter [mm]
Bedroom 4	1	1200
Kitchen/Living	2	2700
Dining	1	2700
Bedroom 3	1	1400
Bedroom 2	1	1400
Master Bedroom	1	1400

Roof type

	Added insulation			
Construction	[R-value]	Solar absorptance	Roof shade [colour]	
Framed:Flat - Flat Framed (Metal Deck)	0.0	0.67	Dark	

Thermal bridging schedule for steel frame elements

Steel section dimensions Steel thickness Thermal break Building element [height x width, mm] Frame spacing [mm] [BMT,mm] [R-value]

No Data Available

Appliance schedule

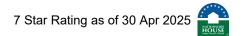
(not applicable if a Whole of Home performance assessment is not conducted for this certificate)

Note: A flat assumption of 5W/m2 is used for lighting, therefore lighting is not included in the appliance schedule.

Cooling system

			Minimum efficiency/	Recommended	
Appliance/ system type	Location	Fuel type	performance	capacity	
No Whole of Home perform	ance assessment co	nducted for this certific	ate.		

G5SXQLQ80Q-03 NatHERS Certificate



Heating system

Appliance/ system type Location Fuel type performance capacity

No Whole of Home performance assessment conducted for this certificate.

Hot water system

Minimum

efficiency/ Hot Water CER Assessed daily

No Whole of Home performance assessment conducted for this certificate.

Pool/spa equipment

Appliance/ system type Fuel type Minimum efficiency/ Recommended capacity

Appliance system type rule type performance cap

No Whole of Home performance assessment conducted for this certificate.

Onsite renewable energy schedule

(not applicable if a Whole of Home performance assessment is not conducted for this certificate)

System type Orientation System size or generation capacity

No Whole of Home performance assessment conducted for this certificate.

Battery schedule

(not applicable if a Whole of Home performance assessment is not conducted for this certificate)

System type Size [battery storage capacity]

No Whole of Home performance assessment conducted for this certificate.

Explanatory Notes

About this report

NatHERS ratings are a reliable guide for comparing different dwelling designs and to demonstrate that designs meet the energy efficiency requirements in the National Construction Code.

NatHERS ratings use computer modelling to evaluate a home's energy efficiency and performance. They use localised climate data and standard assumptions on how people use their home to predict the heating and cooling energy loads and energy value* of the whole home. The thermal performance star rating uses the home's building specifications, layout, orientation and fabric (i.e. walls, windows, floors, roofs and ceilings) to predict the heating and cooling energy loads. The Whole of Home performance rating uses information about the home's appliances and onsite energy generation and storage to estimate the homes energy value*.

The actual energy loads, cost and greenhouse gas emissions of a home may vary from that predicted. This is because the assumptions will not always match the actual occupant usage patterns. For example, the number of occupants and how people use their appliances will vary. Energy efficient homes use less energy, are warmer on cool days, cooler on hot days and cost less to run.

Accredited assessors

For quality assured NatHERS Certificates, always use an accredited or licenced assessor registered with an Assessor Accrediting Organisation (AAO). AAOs have strict quality assurance processes, and professional development requirements ensuring consistently high standards for assessments.

Non-accredited assessors (Raters) have no ongoing training requirements and are not quality assured.

Any queries about this report should be directed to the assessor. If the assessor is unable to address questions or concerns, contact the AAO specified on the front of this certificate.

Disclaimer

The NatHERS Certificate format is developed by the NatHERS Administrator. However, the content in the certificate is entered by the assessor. It is the assessor's responsibility to use NatHERS accredited software correctly and follow the NatHERS Technical Note to produce a NatHERS Certificate.

The predicted annual energy load, cost and greenhouse gas emissions in this NatHERS Certificate are an estimate based on an assessment of the dwelling's design by the assessor. It is not a prediction of actual energy use, cost or emissions. The information and ratings may be used to compare how other dwellings are likely to perform when used in a similar way.

Information presented in this report relies on a range of standard assumptions (both embedded in NatHERS accredited software and made by the assessor who prepared this report), including assumptions about occupancy, behaviour, appliance performance, indoor air temperature and local climate.

Not all assumptions made by the assessor using the NatHERS accredited software tool are presented in this report and further details or data files may be obtained from the assessor.

Glossary

Annual energy load AFRC Assessed floor area Ceiling penetrations Conditioned COP Custom windows Default windows EER Energy use	the predicted amount of energy required for heating and cooling, based on standard occupancy assumptions. Australian Fenestration Rating Council the floor area modelled in the software for the purpose of the NatHERS assessment. Note, this may not be consistent with the floor area in the design documents. features that require a penetration to the ceiling, including downlights, vents, exhaust fans, range hoods, chimneys and flues. Excludes fixtures attached to the ceiling with small holes through the ceiling for wiring, e.g. ceiling fans; pendant lights, and heating and cooling ducts. a zone within a dwelling that is expected to require heating and cooling based on standard occupancy assumptions. In some circumstances it will include garages. Coefficient of performance windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.
Assessed floor area Ceiling penetrations Conditioned COP Custom windows Default windows EER	the floor area modelled in the software for the purpose of the NatHERS assessment. Note, this may not be consistent with the floor area in the design documents. features that require a penetration to the ceiling, including downlights, vents, exhaust fans, range hoods, chimneys and flues. Excludes fixtures attached to the ceiling with small holes through the ceiling for wiring, e.g. ceiling fans; pendant lights, and heating and cooling ducts. a zone within a dwelling that is expected to require heating and cooling based on standard occupancy assumptions. In some circumstances it will include garages. Coefficient of performance windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.
Ceiling penetrations Conditioned COP Custom windows Default windows EER	area in the design documents. features that require a penetration to the ceiling, including downlights, vents, exhaust fans, range hoods, chimneys and flues. Excludes fixtures attached to the ceiling with small holes through the ceiling for wiring, e.g. ceiling fans; pendant lights, and heating and cooling ducts. a zone within a dwelling that is expected to require heating and cooling based on standard occupancy assumptions. In some circumstances it will include garages. Coefficient of performance windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.
Conditioned COP Custom windows Default windows EER	Excludes fixtures attached to the ceiling with small holes through the ceiling for wiring, e.g. ceiling fans; pendant lights, and heating and cooling ducts. a zone within a dwelling that is expected to require heating and cooling based on standard occupancy assumptions. In some circumstances it will include garages. Coefficient of performance windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.
COP Custom windows Default windows EER	circumstances it will include garages. Coefficient of performance windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.
Custom windows Default windows EER	windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.
Default windows EER	Scheme) rating.
EER	windows that are representative of a specific type of window product and whose properties have been derived by statistical methods.
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Energy use	Energy Efficiency Ratio, measure of how much cooling can be achieved by an air conditioner for a single kWh of electricity input
	This is your homes rating without solar or batteries.
Energy value	The net cost to society including, but not limited to, costs to the building user, the environment and energy networks (as defined in the ABCB Housing Provisions Standard).
Entrance door	these signify ventilation benefits in the modelling software and must not be modelled as a door when opening to a minimally ventilate corridor in a Class 2 building.
Exposure category – expose	d terrain with no obstructions e.g. flat grazing land, ocean-frontage, desert, exposed high-rise unit (usually above 10 floors).
Exposure category – open	terrain with few obstructions at a similar height e.g. grasslands with few well scattered obstructions below 10m, farmland with scattered sheds, lightly vegetated bush blocks, elevated units (e.g. above 3 floors).
Exposure category –	terrain with numerous, closely spaced obstructions below 10m e.g. suburban housing, heavily vegetated bushland areas.
suburban	
Exposure category – protected	terrain with numerous, closely spaced obstructions over 10 m e.g. city and industrial areas.
Horizontal shading feature	provides shading to the building in the horizontal plane, e.g. eaves, verandahs, pergolas, carports, or overhangs or balconies from upper levels.
National Construction Code (NCC) Class	
Net zero home	a home that achieves a net zero energy value*.
Opening percentage	the openability percentage or operable (moveable) area of doors or windows that is used in ventilation calculations.
Provisional value	an assumed value that does not represent an actual value. For example, if the wall colour is unspecified in the documentation, a provisional value of 'medium' must be modelled. Acceptable provisional values are outlined in the NatHERS Technical Note and can be found at www.nathers.gov.au
Recommended capacity	this is the capacity or size of equipment that is recommended by NatHERS to achieve the desired comfort conditions in the zone or zones serviced. This is a recommendation and the final selection sizing should be confirmed by a suitably qualified person.
Reflective wrap (also known as foil)	
Roof window	for NatHERS this is typically an operable window (i.e. can be opened), will have a plaster or similar light well if there is an attic space and generally does not have a diffuser.
Shading features	includes neighbouring buildings, fences, and wing walls, but excludes eaves.
Solar heat gain coefficient	the fraction of incident solar radiation admitted through a window, both directly transmitted as well as absorbed and subsequently released inward. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the less solar heat it transmits.
(SHGC)	f for NatHERS this is typically a moulded unit with flexible reflective tubing (light well) and a diffuser at ceiling level.

7 Star Rating as of 30 Apr 2025

NATIONWIDE HOUSE	

	Make Control School
STCs	Small-scale Technology Certificates, certificates created by the REC registry for renewable energy technologies that may be bought
	and sold as part of the Small-scale Renewable Energy Scheme operated by the Clean Energy Regulatory
Thermal breaks	are materials with an R-value greater than or equal to 0.2 that must separate the metal frame from the cladding. This includes, but is
	not limited to, materials such as timber battens greater than or equal to 20mm thick, continuous thermal breaks such as polystyrene
	insulation sheeting, plastic strips or furring channels.
U-value	the rate of heat transfer through a window. The lower the U-value, the better the insulating ability.
Unconditioned	a zone within a dwelling that is assumed to not require heating and cooling based on standard occupancy assumptions.
Vertical shading features	provides shading to the building in the vertical plane and can be parallel or perpendicular to the subject wall/window. Includes privacy
	screens, other walls in the building (wing walls), fences, other buildings, vegetation (protected or listed heritage trees).
Window shading device	a device fixed to windows that provides shading e.g. window awnings or screens but excludes horizontal* or vertical shading features*
_	(eg eaves and balconies)