# Nationwide House Energy Rating Scheme® NatHERS® Certificate No. NDS269X6ZG-01

Generated on 16 Oct 2025 using FirstRate5: 5.5.5a (3.22)

## **Property**

Address 2, 20 Grimes Place,

Davidson, NSW, 2085

**Lot/DP** 34/DP251101 **NCC Class\*** Class 1a

Floor/all Floors

Type New Home

## **Plans**

Main plan 3081 Rev N/13.10.2025 Prepared by Meridian Homes

## Construction and environment

Assessed floor area [m²]\* Exposure type
Conditioned\* 175.1 suburban

Unconditioned\* 16.8 NatHERS climate zone

Total 191.9 56 Mascot AMO



Garage

## **Accredited assessor**

NameMillard PerezBusiness nameThermperform

16.8

Email millard@thermperform.com.au

Phone +61402366704

Accreditation No. 101510 Assessor Accrediting Organisation

ABSA

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]

Limits taken from ABCB Standard 2022

	Heating	Cooling
Modelled	19.3	10.3
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=NDS269X6ZG-01 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

No

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		
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.	Assesso	Consen	Builder	Consen	Occupa
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			<u>'</u>	'	
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*					
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?					

	Approval	stage	Construc stage		
Certificate check Continued	Assessor checked	Consent authority/ surveyor checked	Builder checked	Consent authority/ surveyor checked	Occupancy/other
Additional NCC requirements for thermal performance (not included	in the Na	atHERS 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 performance check)	formance a	ssessmen	t 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 NatH	ERS asse	essment)		<u>'</u>	
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. A include, but are not limited to: condensation, structural and fire safety requirements energy efficiency requirements.					
Additional notes					
Eaves/overhangs may not be directly opposite to wall (some eaves may be hori	zontally of	fset).			
50mm has been added to projection of eaves to account for the Gutter & Fasc					
Default solar absorptance/colours have been applied where no details had beer	n provided	at time of	assessme	ent.	

## Room schedule

Room	Zone Type	Area [m²]
Kitchen/Living/Dining	kitchen	33.9
WIP	dayTime	4.4
Bed 4	bedroom	10.2
Entry/Family/Stairs/Laundry/Bath2	dayTime	35.2
Garage	garage	16.8
Bed 1 Ensuite	nightTime	7.9
Living/Passage/Storage/Bath	living	35.7
Stair Void	doubleHeightVoid	6.5
Bed 3	bedroom	11.5
Bed 2	bedroom	12.6
Bed 1 WIR	nightTime	4.7
Bed 1	bedroom	21.4

# Window and glazed door type and performance

#### Default\* windows

				Substitution t	olerance ranges
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit
No Data Availa	able				

### Custom\* windows

				Substitution tolerance ranges		
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit	
BRD-141-02 A	Signature Sliding Stacking Door DG 638ComPlsNtl-8Ar-4mm	3.16	0.39	0.37	0.41	
BRD-066-10 A	SIG Sliding Window (67mm) DG DG DG 4ET-12Ar-4	3.15	0.53	0.5	0.56	

# Window and glazed door schedule

Location	Window ID	Window no.	Height [mm]	Width [mm]	Window type	Opening %	Orientation	Window shading device*
Kitchen/Living/- Dining	BRD-141-02 A	24-53 ASSD (D04)	2400	5346	sliding	60.0	NE	No
Kitchen/Living/- Dining	BRD-141-02 A	24-26 ASSD (D05)	2400	2688	sliding	60.0	SE	No
Bed 4	BRD-066-10 A	10-18 ASW (W03)	1030	1810	sliding	45.0	SE	No

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								Marie Control of the
Entry/Family/St- airs/Laundry/Ba- th2	BRD-066-10 A	18-08 ASW (W04)	1800	850	sliding	30.0	SW	No
Bed 1 Ensuite	BRD-066-10 A	10-15 ASW (W13)	1030	1570	sliding	45.0	SE	No
Living/Passage/- Storage/Bath	BRD-066-10 A	10-18 ASW (W14)	1030	1810	sliding	45.0	SE	No
Bed 3	BRD-066-10 A	14-26 ASW (W15)	1460	2650	sliding	10.0	SW	No
Bed 2	BRD-066-10 A	14-18 ASW (W16)	1460	1810	sliding	10.0	SW	No
Bed 1	BRD-066-10 A	12-26 ASW (W12)	1200	2650	sliding	10.0	NE	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 to	lerance ranges
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit
No Data Available					

Roof window\* schedule

			Opening	Area	Width		Outdoor	Indoor
Location	Window ID	Window no.	%	[m²]	[mm]	Orientation	shade	shade
No Data Ava	nilable							

Skylight\* type and performance

Skylight ID	Skylight description	Skylight shaft reflectance
GEN-04-004a	DC: Double Clear	

# Skylight\* schedule

Location	Skylight ID	Skylight No.	length [mm]	Area [m²]	orient- ation	shade	Diffuser
Living/Passage/Stora- ge/Bath	GEN-04-004a	SKY	1750	0.8	SE	None	No

## External door schedule

Location	Height [mm]	Width [mm]	Opening %	Orientation
Entry/Family/Stairs/Laundry-/Bath2	2340	1020	100.0	SW



Garage 2150 2410 0.0 SW

# External wall type

Wall ID	Wall type	Solar absorptance	Wall shade [colour]	Bulk insulation [R-value]	Reflective wall wrap*
1	ST - Brick Veneer	0.44	Medium	Glass fibre batt (k = 0.044 density = 12 kg/m3) (R2.7)	No
2	ST - Parti Wall - ShaftLiner Soundshield	0.5	Medium	Polyurethane rigid foamed aged (k = 0.028) (R0.2)	No
3	ST - Brick Cavity_Garage	0.44	Medium		No
4	ST - Lightweight	0.3	Light	Glass fibre batt (k = 0.044 density = 12 kg/m3) (R2.7)	No

# External wall schedule

Location	Wall ID	Height [mm]	Width [mm]	Orientation	Horizontal shading feature* maximum projection [mm]	Vertical shading feature* (yes/no)
Kitchen/Living/Dining	1	2735	7450	NE	0	Yes
Kitchen/Living/Dining	2	2735	4304	NW	0	No
Kitchen/Living/Dining	1	2735	4494	SE	0	No
WIP	2	2735	2567	NW	0	No
Bed 4	1	2735	1214	SW	0	Yes
Bed 4	1	2735	3436	SE	0	No
Entry/Family/Stairs/Laund- ry/Bath2	2	2735	1688	NW	0	No
Entry/Family/Stairs/Laund- ry/Bath2	1	2735	1214	NW	0	Yes
Entry/Family/Stairs/Laund- ry/Bath2	1	2735	3094	SW	1200	Yes
Entry/Family/Stairs/Laund- ry/Bath2	1	2735	7476	SE	0	Yes
Garage	2	2810	5494	NW	0	No
Garage	3	2810	3049	SW	0	Yes
Bed 1 Ensuite	4	2435	1974	NE	700	No
Bed 1 Ensuite	4	2435	4004	SE	700	No
Living/Passage/Storage/Ba- th	2	2435	4046	NW	0	No
Living/Passage/Storage/Ba- th	4	2435	1190	SW	700	Yes
Living/Passage/Storage/Ba- th	4	2435	3935	SE	700	No
Stair Void	4	2435	3487	SE	700	Yes
Bed 3	4	2435	1210	NW	700	Yes

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Bed 3	4	2435	3121	SW	700	No
Bed 3	4	2435	3912	SE	700	Yes
Bed 2	2	2435	4130	NW	0	No
Bed 2	4	2435	3051	SW	700	Yes
Bed 1 WIR	2	2435	1929	NW	0	No
Bed 1	4	2435	5367	NE	700	No
Bed 1	2	2435	3984	NW	0	No

# Internal wall type

Wall ID	Wall type	Area [m²]	Bulk insulation
1	FR5 - Internal Plasterboard Stud Wall	124.4	
2	ST - Internal Plasterboard Stud Wall_Garage	23.3	Glass fibre batt: R2.5 (R2.5)

# Floor type

	O a mademonths in	A F., 25	Sub-floor	Added insulation	
_ocation	Construction	Area [m²]	ventilation	[R-value]	Covering
Kitchen/Living/D- ining	FR5 - 225mm waffle pod, 85mm concrete (R0.60)	33.9	Enclosed	R0.0	Tiles
WIP	FR5 - 225mm waffle pod, 85mm concrete (R0.60)	4.4	Enclosed	R0.0	Tiles
Bed 4	FR5 - 225mm waffle pod, 85mm concrete (R0.60)	10.2	Enclosed	R0.0	Carpet
Entry/Family/Sta- irs/Laundry/Bath- 2	FR5 - 225mm waffle pod, 85mm concrete (R0.60)	35.2	Enclosed	R0.0	Tiles
Garage	TPM - 225mm waffle pod, 85mm concrete (R0.60) Garage	16.8	Enclosed	R0.0	none
Bed 1 Ensuite	TPM - Particleboard Lined	5.9	Enclosed	R3.5	Tiles
Bed 1 Ensuite	TPM - Particleboard Lined	2	Enclosed	R3.5	Tiles
Living/Passage/S- torage/Bath	TPM - Particleboard Lined	5.7	Enclosed	R3.5	Tiles
Living/Passage/S- torage/Bath	TPM - Particleboard Lined	28.1	Enclosed	R3.5	Carpet
Living/Passage/S- torage/Bath	TPM - Particleboard Lined	1.8	Enclosed	R3.5	Carpet
Stair Void	No Floor	5.2	Enclosed	R3.5	No Floor
Stair Void	No Floor	1.3	Enclosed	R3.5	No Floor
Bed 3	TPM - Particleboard Lined	8.6	Enclosed	R3.5	Carpet
Bed 3	TPM - Particleboard Lined	2.9	Enclosed	R3.5	Carpet
Bed 2	TPM - Particleboard Lined	1.1	Enclosed	R3.5	Carpet
Bed 2	TPM - Particleboard Lined	11.5	Enclosed	R3.5	Carpet
Bed 1 WIR	TPM - Particleboard Lined	4.7	Enclosed	R3.5	Carpet
Bed 1	TPM - Particleboard Lined	19.4	Enclosed	R3.5	Carpet



Bed 1 TPM - Particleboard Lined 2 Enclosed R3.5 Carpet

# Ceiling type

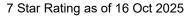
Location	Construction material/type	Bulk insulation R-value [may include edge batt values]	Reflective wrap*
Kitchen/Living/D- ining	TPM - Particleboard Lined	R3.5	No
WIP	TPM - Particleboard Lined	R3.5	No
Bed 4	TPM - Particleboard Lined	R3.5	No
Entry/Family/Sta- irs/Laundry/Bath- 2	TPM - Particleboard Lined	R3.5	No
Garage	TPM - Particleboard Lined	R3.5	No
Bed 1 Ensuite	Plasterboard	R6.0	Yes
Bed 1 Ensuite	Plasterboard	R3.0	Yes
Living/Passage/S- torage/Bath	Plasterboard	R6.0	Yes
Living/Passage/S- torage/Bath	Plasterboard	R6.0	Yes
Living/Passage/S- torage/Bath	Plasterboard	R3.0	Yes
Stair Void	Plasterboard	R6.0	Yes
Stair Void	Plasterboard	R3.0	Yes
Bed 3	Plasterboard	R6.0	Yes
Bed 3	Plasterboard	R3.0	Yes
Bed 2	Plasterboard	R3.0	Yes
Bed 2	Plasterboard	R6.0	Yes
Bed 1 WIR	Plasterboard	R6.0	Yes
Bed 1	Plasterboard	R6.0	Yes
Bed 1	Plasterboard	R3.0	Yes

# Ceiling penetrations\*

Quantity	Туре	Height [mm]	Width [mm]	Sealed/unsealed
1	Exhaust Fans	250	250	Sealed
3	Downlights	90	90	Sealed
1	Downlights	90	90	Sealed
2	Exhaust Fans	250	250	Unsealed
4	Downlights	90	90	Sealed
1	Exhaust Fans	250	250	Unsealed
1	Exhaust Fans	250	250	Unsealed
	1 3 1 2	1 Exhaust Fans 3 Downlights 1 Downlights 2 Exhaust Fans 4 Downlights 1 Exhaust Fans	Quantity         Type         [mm]           1         Exhaust Fans         250           3         Downlights         90           1         Downlights         90           2         Exhaust Fans         250           4         Downlights         90           1         Exhaust Fans         250	Quantity         Type         [mm]         [mm]           1         Exhaust Fans         250         250           3         Downlights         90         90           1         Downlights         90         90           2         Exhaust Fans         250         250           4         Downlights         90         90           1         Exhaust Fans         250         250

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Living/Passage/Storage/Ba- th	3	Downlights	90	90	Sealed
Stair Void	1	Downlights	90	90	Sealed
Bed 3	1	Downlights	90	90	Sealed
Bed 2	1	Downlights	90	90	Sealed
Bed 1	1	Downlights	90	90	Sealed

Ceiling fans

Location	Quantity	Diameter [mm]
Kitchen/Living/Dining	1	1400
Entry/Family/Stairs/Laundry/Bath2	1	1200
Living/Passage/Storage/Bath	1	1200
Bed 3	1	1200
Bed 2	1	1200
Bed 1	1	1200

## Roof type

	Added insulation		
Construction	[R-value]	Solar absorptance	Roof shade [colour]
Cont:Attic-Continuous	1.3	0.93	Dark

## Thermal bridging schedule for steel frame elements

Steel section dimensions

[height x width, mm]

Frame spacing [mm] [BMT,mm]

Steel thickness Thermal break

[R-value]

No Data

**Building element** 

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	inducted for this certific	ate		

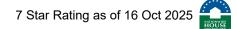
Heating system

			winimum efficiency/	Recommenaea	
Appliance/ system type	Location	Fuel type	performance	capacity	
No Whole of Home performa	ance assessment co	onducted for this certifica	te.		

Hot water system

Minimum
efficiency/ Hot Water CER Assessed daily
Appliance/ system type Fuel type performance Zone 3 STC load

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No Whole of Home performance assessment conducted for this certificate.

Pool/spa equipment

Appliance/ system type Fuel type Minimum efficiency/ Recommended capacity

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	the predicted amount of energy required for heating and cooling, based on standard occupancy assumptions.
AFRC	Australian Fenestration Rating Council
Assessed floor area	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.
Ceiling penetrations	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.
Conditioned	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.
СОР	Coefficient of performance
Custom windows	windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.
Default windows	windows that are representative of a specific type of window product and whose properties have been derived by statistical methods.
EER	Energy Efficiency Ratio, measure of how much cooling can be achieved by an air conditioner for a single kWh of electricity input
Energy use	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 –	terrain with numerous, closely spaced obstructions over 10 m e.g. city and industrial areas.
protected	
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	the NCC groups buildings by their function and use, and assigns a classification code. NatHERS software models NCC Class 1, 2 or 4 buildings and attached Class 10a buildings. Definitions can be found at www.abcb.gov.au.
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)	can be applied to walls, roofs and ceilings. When combined with an appropriate air gap and emissivity value, it provides insulative properties.
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 (SHGC)	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.
Skylight (also known as roof lights)	for NatHERS this is typically a moulded unit with flexible reflective tubing (light well) and a diffuser at ceiling level.

### NDS269X6ZG-01 NatHERS

## 7 Star Rating as of 16 Oct 2025

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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)