Nationwide House Energy Rating Scheme® Class 2 Summary

NatHERS® Certificate No. 7NAO5P9TT8

Generated on 27 Nov 2023 using FirstRate5 v5.5.3a

Property

Address 18 Glenrock Dr,

Googong, NSW, 2620

Lot/DP

NatHERS Climate Zone 24



Accredited assessor

Name Ian Heddle

Business name Territory Building Consultancy
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Assessor Accrediting Organisation

ABSA

Verification

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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



HOUSE ENERGY RATING SCHEME

The rating above is the average of all dwellings in this summary.

For more information on your dwelling's rating see:

www.nathers.gov.au

NCC heating and cooling maximum loads MJ/m²/p.a.

Limits taken from ABCB Standard 2022

	Heating	Cooling
Modelled	77.3	9.1
block average		
Maximum	N/A	N/A
allowable limit		

Whole of Home performance rating

No Whole of Home performance rating conducted for this summary certificate

or

not completed for all dwellings

The rating above is the lowest of all dwellings in this summary

Certificate number and link	Unit number	Heating load (load limit) [MJ/m²/p.a.]	Cooling load (load limit) [MJ/m²/p.a.]	Total load [MJ/m²/p.a.]	Star rating	Whole of Home Rating
M0X7PSLJTB-05	111	69.60 (N/A)	36.40 (N/A)	106.00	7.4	NA
CLN3MOWQ2I-01	10	17.10 (N/A)	24.80 (N/A)	41.90	9.2	NA



Certificate number and link	Unit number	Heating load (load limit) [MJ/m²/p.a.]	Cooling load (load limit) [MJ/m²/p.a.]	Total load [MJ/m²/p.a.]	Star rating	Whole of Home Rating
DCNA7DSZ6R-03	100	50.80 (N/A)	9.30 (N/A)	60.10	8.7	NA
6N3AQAN0WB-03	101	81.80 (N/A)	6.30 (N/A)	88.10	7.9	NA
N83ZPFGR6L-03	102	82.70 (N/A)	6.40 (N/A)	89.10	7.9	NA
K66GBZ8HHF-03	103	51.10 (N/A)	9.30 (N/A)	60.40	8.6	NA
DBUPK37BJY-03	104	72.10 (N/A)	15.10 (N/A)	87.20	7.9	NA
HTIV4FIXV1-03	105	120.50 (N/A)	28.00 (N/A)	148.50	6.3	NA
1840PZL15L-03	106	167.70 (N/A)	4.20 (N/A)	171.90	5.8	NA
PA2361UACM-02	107	133.10 (N/A)	6.70 (N/A)	139.80	6.5	NA
XQ7HAIEHK5-02	108	109.70 (N/A)	6.30 (N/A)	116.00	7.2	NA
XWXR6U5J3D-02	109	110.40 (N/A)	7.90 (N/A)	118.30	7.1	NA
HCCGLD8G76-01	11	21.00 (N/A)	1.80 (N/A)	22.80	9.8	NA
TVJ7HF7J6B-02	110	99.00 (N/A)	8.40 (N/A)	107.40	7.4	NA
UU4H7LAX0H-02	111	97.70 (N/A)	5.70 (N/A)	103.40	7.4	NA
UER9Y2NK6L-02	112	113.20 (N/A)	7.20 (N/A)	120.40	7	NA
6LH83BGA94-02	113	74.10 (N/A)	10.10 (N/A)	84.20	7.9	NA
K5KILD1QUV-02	114	56.40 (N/A)	13.70 (N/A)	70.10	8.4	NA
UHTVSOEJJP-02	115	44.60 (N/A)	8.30 (N/A)	52.90	8.8	NA
2WMUFIN5N5-02	116	45.70 (N/A)	12.30 (N/A)	58.00	8.7	NA
F9Y57Z3IYV-02	117	56.40 (N/A)	13.50 (N/A)	69.90	8.4	NA
LI95XKTSZX-02	118	45.80 (N/A)	12.20 (N/A)	58.00	8.7	NA
660TBXS0DC-02	119	57.10 (N/A)	8.50 (N/A)	65.60	8.5	NA
1PQMWL1AC5-01	12	24.60 (N/A)	2.00 (N/A)	26.60	9.7	NA
RKVPHDI9IJ-02	120	133.60 (N/A)	15.40 (N/A)	149.00	6.3	NA
MKCSWAA2WS-02	121	99.90 (N/A)	19.60 (N/A)	119.50	7.1	NA
13I8U21UQQ-02	122	82.60 (N/A)	27.00 (N/A)	109.60	7.3	NA
NFKDJ1UCJ5-02	123	71.40 (N/A)	17.90 (N/A)	89.30	7.9	NA
DOGFK7C0WD-02	124	70.40 (N/A)	20.30 (N/A)	90.70	7.8	NA
05Y3DXBW5P-02	125	82.50 (N/A)	26.60 (N/A)	109.10	7.3	NA
LXS16GA8I4-02	126	75.40 (N/A)	23.60 (N/A)	99.00	7.6	NA
P7T1ONXCYX-02	127	82.20 (N/A)	17.10 (N/A)	99.30	7.6	NA
A97IZKZFCO-04	128	170.10 (N/A)	4.70 (N/A)	174.80	5.8	NA
ZT8XER0YI8-02	129	66.20 (N/A)	1.30 (N/A)	67.50	8.4	NA
EOCD1W1QN1-01	13	43.30 (N/A)	6.10 (N/A)	49.40	8.9	NA
RI4V0VUH07-02	130	85.20 (N/A)	0.60 (N/A)	85.80	7.9	NA
FUAJV0A8EJ-02	131	81.00 (N/A)	0.60 (N/A)	81.60	8.1	NA
00M4NNF4WF-02	132	47.00 (N/A)	3.30 (N/A)	50.30	8.9	NA
BXYRJ2EMSD-03	133	112.70 (N/A)	5.60 (N/A)	118.30	7.1	NA



Certificate number and link	Unit number	Heating load (load limit) [MJ/m²/p.a.]	Cooling load (load limit) [MJ/m²/p.a.]	Total load [MJ/m²/p.a.]	Star rating	Whole of Home Rating
0SPEJFSZBO-03	134	125.50 (N/A)	7.90 (N/A)	133.40	6.7	NA
Q2U8H069HM-02	135	32.20 (N/A)	3.30 (N/A)	35.50	9.4	NA
PZUU5S5TA3-02	136	41.20 (N/A)	1.80 (N/A)	43.00	9.1	NA
VYQBTILHVI-02	137	41.90 (N/A)	1.80 (N/A)	43.70	9.1	NA
4Q2IYJDZJS-02	138	19.00 (N/A)	4.80 (N/A)	23.80	9.8	NA
5FEFYA74I0-03	139	101.10 (N/A)	4.80 (N/A)	105.90	7.4	NA
W11EOCBCYS-01	14	104.30 (N/A)	24.90 (N/A)	129.20	6.8	NA
J9YI22MTP9-03	140	146.10 (N/A)	22.60 (N/A)	168.70	5.9	NA
OYO8S87M5W-02	141	62.20 (N/A)	11.30 (N/A)	73.50	8.3	NA
PFJR7QTKMT-02	142	71.10 (N/A)	7.70 (N/A)	78.80	8.1	NA
KQ94951TP5-02	143	72.40 (N/A)	7.70 (N/A)	80.10	8.1	NA
6UKKDH0GXZ-02	144	46.50 (N/A)	10.60 (N/A)	57.10	8.7	NA
CV9VLDZHLM-04	145	120.10 (N/A)	12.00 (N/A)	132.10	6.7	NA
0MXXQZRNS5-04	146	155.40 (N/A)	11.00 (N/A)	166.40	5.9	NA
FUHDW5NOVF-02	147	64.10 (N/A)	4.60 (N/A)	68.70	8.4	NA
SFGASYY95Q-02	148	85.20 (N/A)	0.60 (N/A)	85.80	7.9	NA
I03WV6OSP9-02	149	81.00 (N/A)	0.60 (N/A)	81.60	8.1	NA
R84PBW5BHA-01	15	71.10 (N/A)	13.90 (N/A)	85.00	7.9	NA
QLBEQWG4N4-02	150	47.40 (N/A)	3.20 (N/A)	50.60	8.9	NA
RQMIGUGWE1-03	151	119.40 (N/A)	5.40 (N/A)	124.80	6.9	NA
BRRCWO1VRZ-03	152	114.40 (N/A)	15.70 (N/A)	130.10	6.8	NA
Q48WYHDBU6-02	153	31.30 (N/A)	6.50 (N/A)	37.80	9.3	NA
S3WB91OUPA-02	154	41.20 (N/A)	1.80 (N/A)	43.00	9.1	NA
02OY8949SB-02	155	41.90 (N/A)	1.80 (N/A)	43.70	9.1	NA
4UMXOWS0T9-02	156	19.20 (N/A)	4.60 (N/A)	23.80	9.8	NA
RFBIJH4QC4-03	157	101.10 (N/A)	5.60 (N/A)	106.70	7.4	NA
AGFQ9XQKYZ-03	158	140.10 (N/A)	26.40 (N/A)	166.50	5.9	NA
NDTSB7R8WM-02	159	61.50 (N/A)	12.10 (N/A)	73.60	8.3	NA
WWO7D2A8PZ-01	16	73.00 (N/A)	12.20 (N/A)	85.20	7.9	NA
JXBQTU0FP1-02	160	71.10 (N/A)	7.70 (N/A)	78.80	8.1	NA
EN6XBXP6Y0-02	161	72.40 (N/A)	7.70 (N/A)	80.10	8.1	NA
FIC4WNWTGL-02	162	46.80 (N/A)	10.50 (N/A)	57.30	8.7	NA
0530VNFZ6O-03	163	118.60 (N/A)	13.90 (N/A)	132.50	6.7	NA
MS3FKAYM7T-01	17	86.30 (N/A)	5.20 (N/A)	91.50	7.8	NA
JZMTNGTXCF-01	18	56.30 (N/A)	7.10 (N/A)	63.40	8.6	NA
JZIVITING TACI -01		` ,	, ,			



Certificate number and link	Unit number	Heating load (load limit) [MJ/m²/p.a.]	Cooling load (load limit) [MJ/m²/p.a.]	Total load [MJ/m²/p.a.]	Star rating	Whole of Home Rating
JA6Z6BQ5RV-01	2	92.00 (N/A)	0.90 (N/A)	92.90	7.8	NA
CDX8G9EZFB-01	20	22.70 (N/A)	1.70 (N/A)	24.40	9.8	NA
8SEX17K4T6-01	21	26.40 (N/A)	1.90 (N/A)	28.30	9.6	NA
JM6K8WIQAK-01	22	45.50 (N/A)	5.90 (N/A)	51.40	8.9	NA
W3LLRGBNNO-01	23	105.80 (N/A)	26.40 (N/A)	132.20	6.7	NA
4FWF5JHVTT-01	24	73.50 (N/A)	13.50 (N/A)	87.00	7.9	NA
ZTLDMZHM9T-01	25	75.40 (N/A)	11.90 (N/A)	87.30	7.9	NA
0YY50EH3GV-01	26	88.70 (N/A)	5.60 (N/A)	94.30	7.7	NA
56QF4O55D1-01	27	54.70 (N/A)	7.00 (N/A)	61.70	8.6	NA
AX52UDSH81-01	28	24.40 (N/A)	20.30 (N/A)	44.70	9.1	NA
A2PAM3DFI7-01	29	28.90 (N/A)	1.20 (N/A)	30.10	9.5	NA
6N049XCJJ5-01	3	92.60 (N/A)	0.70 (N/A)	93.30	7.8	NA
4MJISD26KL-01	30	33.00 (N/A)	1.40 (N/A)	34.40	9.4	NA
W94OWGRWRQ-02	31	53.60 (N/A)	4.70 (N/A)	58.30	8.7	NA
JIIB0IH4Q0-02	32	115.50 (N/A)	23.40 (N/A)	138.90	6.6	NA
AM9A7WPGLT-02	33	76.00 (N/A)	11.90 (N/A)	87.90	7.9	NA
VJMLPB7BOF-02	34	84.40 (N/A)	10.30 (N/A)	94.70	7.7	NA
LQX2YVDHRK-02	35	97.20 (N/A)	4.80 (N/A)	102.00	7.5	NA
67QTKKA3QA-02	36	60.10 (N/A)	7.00 (N/A)	67.10	8.4	NA
SIYAXX32AF-02	37	48.00 (N/A)	37.50 (N/A)	85.50	7.9	NA
ADVNP9FZ6Z-02	38	55.60 (N/A)	7.00 (N/A)	62.60	8.6	NA
ZGU291RGE1-02	39	57.00 (N/A)	6.50 (N/A)	63.50	8.6	NA
ZA4R2CELV1-01	4	113.00 (N/A)	4.60 (N/A)	117.60	7.1	NA
V3RERSXKKI-02	40	76.70 (N/A)	12.10 (N/A)	88.80	7.9	NA
GE6RYHTD4P-02	41	142.30 (N/A)	36.50 (N/A)	178.80	5.7	NA
N9KXWLX5B5-02	42	100.40 (N/A)	20.40 (N/A)	120.80	7	NA
GWXJTHWQ57-02	43	112.40 (N/A)	18.20 (N/A)	130.60	6.8	NA
M5OXSVJDD1-02	44	120.70 (N/A)	10.90 (N/A)	131.60	6.7	NA
HNLZNWS4SG-02	45	84.70 (N/A)	17.10 (N/A)	101.80	7.5	NA
41IOCTQX7R-03	46	120.70 (N/A)	4.50 (N/A)	125.20	6.9	NA
VDH7CSUWEA-03	47	90.40 (N/A)	4.10 (N/A)	94.50	7.7	NA
BU2JY2L757-02	48	118.10 (N/A)	0.90 (N/A)	119.00	7.1	NA
Y17ZCUX9V9-02	49	113.40 (N/A)	0.90 (N/A)	114.30	7.2	NA
PXFFRNR8AJ-01	5	187.40 (N/A)	31.70 (N/A)	219.10	5.1	NA
EVFVGEGNW5-02	50	92.30 (N/A)	2.30 (N/A)	94.60	7.7	NA
B5ZSEK980J-02	51	163.50 (N/A)	2.50 (N/A)	166.00	5.9	NA



Certificate number and link	Unit number	Heating load (load limit) [MJ/m²/p.a.]	Cooling load (load limit) [MJ/m²/p.a.]	Total load [MJ/m²/p.a.]	Star rating	Whole of Home Rating
IT2A23FR5S-02	52	89.30 (N/A)	6.90 (N/A)	96.20	7.7	NA
4UBF6POGDU-02	53	30.80 (N/A)	7.50 (N/A)	38.30	9.3	NA
V7LA52BPV1-02	54	26.40 (N/A)	3.10 (N/A)	29.50	9.6	NA
VYJL1V3F3N-02	55	54.20 (N/A)	1.90 (N/A)	56.10	8.8	NA
8ZSEAR4UVY-02	56	54.00 (N/A)	2.00 (N/A)	56.00	8.8	NA
525GYKH1EA-02	57	24.30 (N/A)	3.00 (N/A)	27.30	9.6	NA
1Z6D6GLZOL-02	58	42.10 (N/A)	4.20 (N/A)	46.30	9	NA
WJNZV6PHAO-02	59	109.30 (N/A)	5.30 (N/A)	114.60	7.2	NA
II5CF9A281-01	6	144.70 (N/A)	11.10 (N/A)	155.80	6.1	NA
8R36633DXQ-02	60	87.30 (N/A)	7.00 (N/A)	94.30	7.7	NA
NCB2VI2OH4-02	61	27.90 (N/A)	8.10 (N/A)	36.00	9.3	NA
FEGKCWPFU2-02	62	25.00 (N/A)	3.30 (N/A)	28.30	9.6	NA
4A1ZBK69HD-02	63	53.60 (N/A)	2.10 (N/A)	55.70	8.8	NA
MIC77THUDM-02	64	54.90 (N/A)	2.20 (N/A)	57.10	8.7	NA
DA9GI3LS4J-02	65	25.40 (N/A)	3.30 (N/A)	28.70	9.6	NA
NXS5WMKL1L-02	66	43.60 (N/A)	4.70 (N/A)	48.30	8.9	NA
M2HER7CINS-02	67	109.50 (N/A)	6.90 (N/A)	116.40	7.1	NA
P4CIY4BVQI-02	68	104.10 (N/A)	15.30 (N/A)	119.40	7.1	NA
9NF8ZZZGLV-02	69	54.80 (N/A)	15.40 (N/A)	70.20	8.4	NA
PBAYMJFO63-01	7	150.90 (N/A)	11.30 (N/A)	162.20	5.9	NA
J5319K35YL-02	70	50.80 (N/A)	9.30 (N/A)	60.10	8.7	NA
0CFL4TVKG1-02	71	81.80 (N/A)	6.30 (N/A)	88.10	7.9	NA
LY5SM9XIO2-02	72	82.70 (N/A)	6.40 (N/A)	89.10	7.9	NA
H571ITBKIN-02	73	51.10 (N/A)	9.30 (N/A)	60.40	8.6	NA
AG6FR6H4EG-02	74	72.90 (N/A)	13.10 (N/A)	86.00	7.9	NA
DPATKUAKPA-02	75	130.00 (N/A)	19.40 (N/A)	149.40	6.3	NA
S15H0QZABX-05	76	161.20 (N/A)	3.30 (N/A)	164.50	5.9	NA
2313Y2NH2F-03	77	76.50 (N/A)	4.00 (N/A)	80.50	8.1	NA
2KJ9I4PIHL-03	78	108.70 (N/A)	0.80 (N/A)	109.50	7.3	NA
806O20Q4CL-03	79	108.80 (N/A)	0.80 (N/A)	109.60	7.3	NA
7FKZFIHUMW-01	8	139.80 (N/A)	3.70 (N/A)	143.50	6.4	NA
O1YNX8BLT6-03	80	96.50 (N/A)	2.40 (N/A)	98.90	7.6	NA
OYVM5IR595-03	81	163.40 (N/A)	4.10 (N/A)	167.50	5.9	NA
AR20YB7NA8-03	82	100.50 (N/A)	6.10 (N/A)	106.60	7.4	NA
MTEQ0BW5LK-03	83	28.10 (N/A)	7.80 (N/A)	35.90	9.3	NA
WITEQUEWOLK-03						



Certificate number and link	Unit number	Heating load (load limit) [MJ/m²/p.a.]	Cooling load (load limit) [MJ/m²/p.a.]	Total load [MJ/m²/p.a.]	Star rating	Whole of Home Rating
IU5HL797ZW-03	85	51.60 (N/A)	2.10 (N/A)	53.70	8.8	NA
BYKUU4UFV4-03	86	53.00 (N/A)	2.00 (N/A)	55.00	8.8	NA
WWTYB61Q4O-03	87	23.90 (N/A)	3.10 (N/A)	27.00	9.7	NA
6M3RZ1Y6F2-03	88	42.90 (N/A)	6.80 (N/A)	49.70	8.9	NA
CYGZIF3E1B-03	89	105.20 (N/A)	10.00 (N/A)	115.20	7.2	NA
FDJAWQE1M2-01	9	112.60 (N/A)	3.90 (N/A)	116.50	7.1	NA
GX9217Q4P6-03	90	88.40 (N/A)	6.50 (N/A)	94.90	7.7	NA
DXZ2Y6NEUC-03	91	27.20 (N/A)	8.40 (N/A)	35.60	9.4	NA
0S10XUV48U-03	92	24.10 (N/A)	3.30 (N/A)	27.40	9.6	NA
K9J85CAG79-03	93	52.90 (N/A)	2.20 (N/A)	55.10	8.8	NA
GG0ILS2KW3-03	94	54.20 (N/A)	2.20 (N/A)	56.40	8.8	NA
LZJ2CY6IFH-03	95	24.50 (N/A)	3.30 (N/A)	27.80	9.6	NA
LV55WDO06V-03	96	42.60 (N/A)	9.00 (N/A)	51.60	8.9	NA
6HHU6U1SPF-03	97	100.50 (N/A)	15.70 (N/A)	116.20	7.2	NA
1LHFJV0Q6H-03	98	99.90 (N/A)	15.30 (N/A)	115.20	7.2	NA
G1BZYUK5WI-03	99	54.60 (N/A)	15.50 (N/A)	70.10	8.4	NA



Explanatory notes

About this report

The thermal performance star rating in this Certificate is the average rating of all NCC Class 2 dwellings in an apartment block. The Whole of Home performance rating in this Certificate is the lowest rating for the apartment block. Individual unit ratings are listed in the 'Summary of all dwellings' section of this Certificate. (accessible via link).

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 energy loads and energy value*. 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 production and storage to estimate the homes energy value*.

For more details about an individual dwelling's assessment, refer to the individual dwelling's NatHERS Certificate (accessible via link)

Accredited Assessors

For high quality 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.

Licensed assessors in the Australian Capital Territory (ACT) can produce assessments for regulatory purposes only, using endorsed software, as listed on the ACT licensing register

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 certificates 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 use, 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 while using the NatHERS accredited software tool are presented in this report and further details or data fi les may be available from the assessor