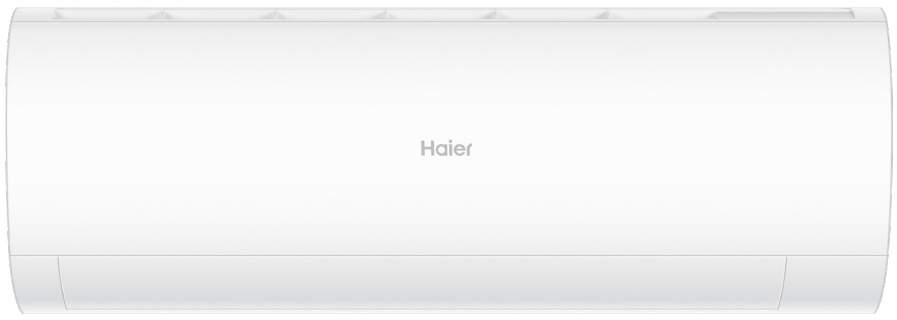
300 Series Wall-Mounted Split System

AS25TPHRA-SET, AS35TPHRA-SET, AS50TPHRA-SET
AS71TPHRA-SET, AS80TPHRA-SET, AS90PFDHRA-SET





300 Series Wall-Mounted Split System

The 300 Series Hi Wall split system provides efficient heating and cooling across a range of room sizes. Featuring Self Clean, wide operating temperature range and Wi-Fi enabled control via the SmartHQ™ app, it is designed for quiet performance

and straightforward installation."

Features

Improved efficiency

Energy-efficient innovations make this 300 Series 33% more efficient in cooling and 18% more efficient in heating than our previous 300 Series (Tempo M).* (VEU/ESS/REPS Compliant)

Built-in Wi-Fi

Wi-Fi connectivity allows you to control modes, including Eco mode, from your phone.

Self-Clean available for both indoor and outdoor units

With a push of a button, your air conditioner initiates Self-Clean, reducing dust and bacteria in the air you breathe, and also improves power consumption efficiency by keeping the heat exchanger clean.

Customised for Australian conditions and critters

A wide operating temperature range from -10°C to 53°C for cooling and -15°C to 24°C for heating makes this suitable across most of Australia. In the outdoor unit, our Blue Fin coating helps protect against corrosion, and a new gecko-resistant design helps keep vermin from reaching critical electrical components.

Quieter, more compact design

At just 20dBA on Quiet mode, this runs up to 31% quieter than its predecessor and comes in a slimmer, lighter profile for easier installation and a less obtrusive fit in your home.**

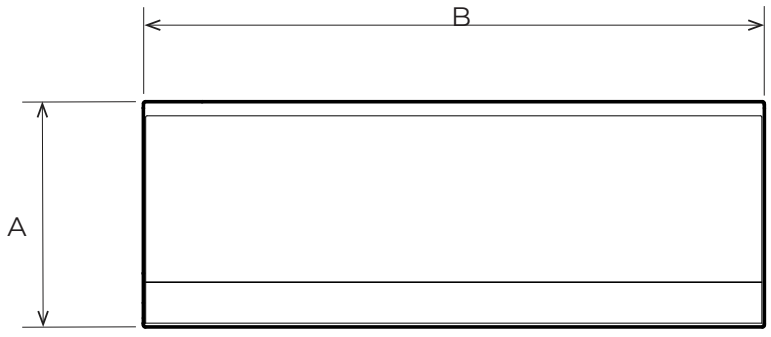
*Based on GEMS registered seasonal performance. Model AS25TBMHRA vs. Model AS25TPHRA comparison.
**Based on indoor unit Sound Pressure Level on Quiet mode. AS25TPHRA-SET vs. AS25TBMHRA-SET.

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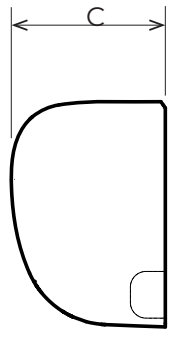
300 Series Wall-Mounted Split System

AS25TPHRA-SET, AS35TPHRA-SET, AS50TPHRA-SET
AS71TPHRA-SET, AS80TPHRA-SET, AS90PFDHRA-SET

INDOOR UNIT

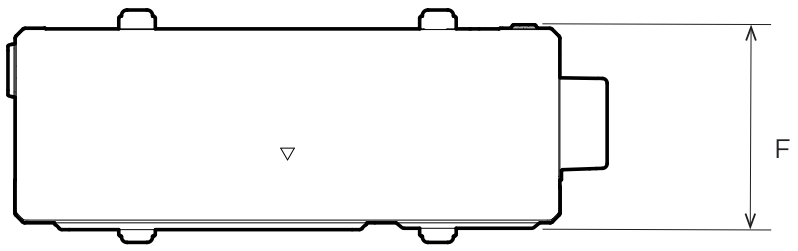


FRONT VIEW

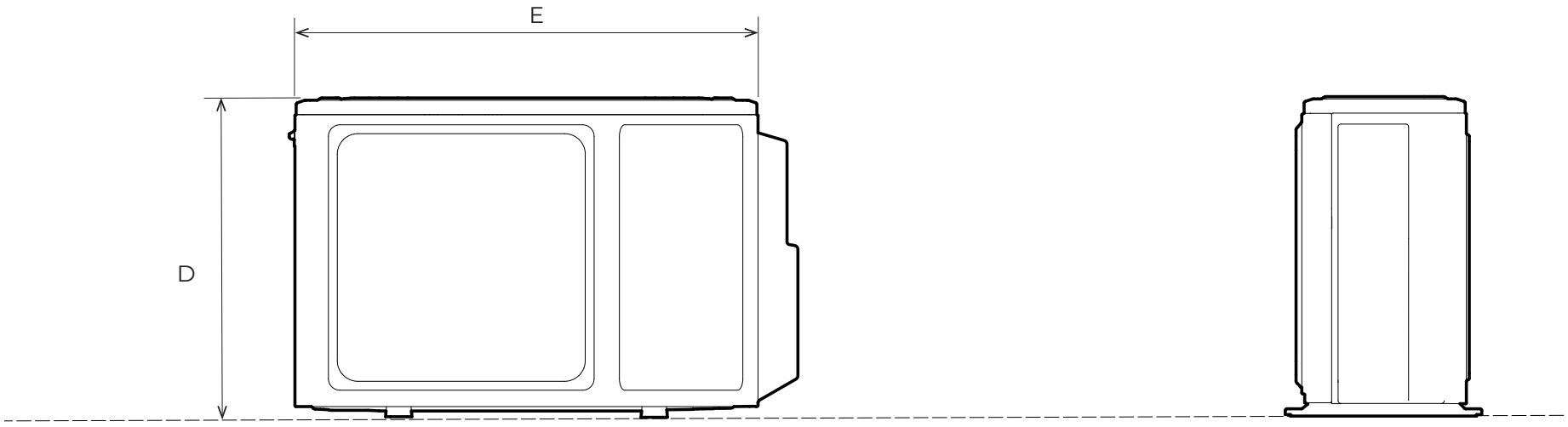


SIDE VIEW

OUTDOOR UNIT



TOP VIEW



FRONT VIEW

SIDE VIEW

DRAWING NOT TO SCALE

	Model	AS25TPHRA-SET	AS35TPHRA-SET	AS50TPHRA-SET	AS71TPHRA-SET	AS80TPHRA-SET	AS90PFDHRA-SET
A	Indoor unit - Product Height (mm)	270	292	318	345	345	365
B	Indoor unit - Product Width (mm)	765	805	975	1105	1105	1316
C	Indoor unit - Product Depth (mm)	198	200	220	240	240	275
D	Outdoor unit - Product Height (mm)	496	549	553	642	705	815
E	Outdoor unit - Product Width (mm)	710	753	800	820	890	950
F	Outdoor unit - Product Depth (mm)	245	275	280	306	340	370

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300 Series Wall-Mounted Split System

Product Specifications

Model		Set	AS25TPHRA-SET	AS35TPHRA-SET	AS50TPHRA-SET
		Indoor	AS25TPHRA	AS35TPHRA	AS50TPHRA
		Outdoor	1U25TPHRA	1U35TPHRA	1U50TPHRA
Capacity (Minimum~ Maximum)	Cooling	kW	2.5 (0.8~3.1)	3.5 (1.0~3.9)	5.3 (1.6~6.1)
	Heating (H1)	kW	3.3 (0.9~4.0)	3.7 (1.2~4.1)	5.5 (1.8~6.8)
	Heating (H2)	kW	3.3	3.7	5.4
Power input (Minimum~ Maximum)	Cooling	kW	0.61 (0.20~1.40)	0.95 (0.30~1.62)	1.56 (0.40~2.16)
	Heating	kW	0.80 (0.20~1.56)	0.91 (0.30~1.80)	1.30 (0.41~2.40)
EER/ AEER			4.10 / 4.06	3.68 / 3.66	3.40 / 3.38
COP / ACOP			4.13 / 4.10	4.07 / 4.04	4.23 / 4.21
Star Rating (Hot/Average/Cold)		Cooling	5.0/4.5/4.5	4.5/4.0/4.0	3.5/3.0/3.5
		Heating	3.5/3.0/2.5	3.5/3.0/2.5	3.5/3.0/2.5
TCSPF (Hot/Average/Cold)		Residential	6.736/6.128/6.493	6.607/5.608/5.982	5.349/4.994/5.293
HSPF (Hot/Average/Cold)		Residential	5.477/4.770/4.218	5.492/4.783/4.234	5.128/4.626/4.128
Electrical					
Rated Load Amps (RLA)	Cooling	Amp	2.7	4.2	6.8
	Heating	Amp	3.6	4.0	5.7
Power cable connection location			Outdoor		
Power supply		Ph/V/Hz	1/220-240/50		
Refrigeration					
Refrigerant Type			R32		
Refrigerant Factory Charge		kg	0.50	0.55	0.95
Pipe Size	Liquid Line	mm (Inch)	6.35 (¼)	6.35 (¼)	6.35 (¼)
	Suction Line	mm (Inch)	9.52 (⅜)	9.52 (⅜)	12.70 (½)
Pipe Length (Min~Max)			3~15	3~15	3~25
Maximum Height Difference		m	10	10	15
Precharged up to a Length		m	7	7	10
Additional Refrigerant		grams/meter	20	20	20
Indoor Unit					
External dimension	W/D/H	mm	765*198*270	805*200*292	975*220*318
Net weight		kg	7.7	8.5	11.7
Air Flow H/M/L	Cooling	L/S	185/165/135	230/205/170	265/215/170
Sound Pressure Level	SPL	dBA	38/33/27/20	39/35/28/21	43/39/33/22
Remote			HE		
Outdoor Unit					
External dimension	W/D/H	mm	710*245*496	753*275*549	800*280*553
Net weight		kg	21.0	25.7	30.0
Compressor Type			Rotary	Rotary	Rotary
Sound Pressure Level	SPL	dBA	46	47	48
Sound Power Level (SWL)	SWL	dBA	58	60	64
Operating Temperature Range					
Outdoor (Min ~ Max)		Cooling	-10°C ~ 53°C		
Outdoor (Min ~ Max)		Heating	-15°C ~ 24°C		

Notes:

ZERL Zoned Energy Rating Label - residential air conditioning star rating based on GEMS 2019 Determination.
Test conditions are based on AS/NZS3823.1.1.

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300 Series Wall-Mounted Split System

Product Specifications

Model		Set	AS71TPHRA-SET	AS80TPHRA-SET	AS90PFDHRA-SET
		Indoor	AS71TPHRA	AS80TPHRA	AS90PFDHRA
		Outdoor	1U71TPHRA	1U80TPHRA	1U90XADFRA
Capacity (Minimum~ Maximum)	Cooling	kW	7.1 (1.8~8.4)	8.0 (2.1~9.0)	9.0 (2.6~9.8)
	Heating (H1)	kW	7.5 (2.5~8.9)	8.2 (2.5~9.8)	9.5 (3.0~11.0)
	Heating (H2)	kW	6.7	8.2	7.3
Power input (Minimum~ Maximum)	Cooling	kW	2.10 (0.55~2.53)	2.30 (0.61~2.92)	2.65 (0.67~3.30)
	Heating	kW	1.90 (0.47~2.81)	2.25 (0.56~3.24)	2.66 (0.69~3.70)
EER/ AEER			3.38 / 3.37	3.48 / 3.46	3.40 / 3.37
COP / ACOP			3.95 / 3.93	3.64 / 3.63	3.57 / 3.54
Star Rating (Hot/Average/Cold)		Cooling	4.0/3.5/4.0	4.0/3.5/4.0	4.5 / 3.5 / 4.0
		Heating	3.5/3.0/2.0	3.0/2.5/2.0	2.5 / 2.0 / 1.5
TCSPF (Hot/Average/Cold)		Residential	5.641/5.252/5.639	5.776/5.376/5.761	6.078/5.394/5.746
HSPF (Hot/Average/Cold)		Residential	5.256/4.586/3.978	4.928/4.281/3.742	4.481/3.908/3.392
Electrical					
Rated Load Amps (RLA)	Cooling	Amp	9.5	10.2	11.8
	Heating	Amp	8.5	10.0	12.0
Power cable connection location			Outdoor		
Power supply		Ph/V/Hz	1/220-240/50		
Refrigeration					
Refrigerant Type			R32		
Refrigerant Factory Charge		kg	1.15	1.30	1.30
Pipe Size	Liquid Line	mm (Inch)	6.35 (¼)	6.35 (¼)	6.35 (¼)
	Suction Line	mm (Inch)	12.70 (½)	12.70 (½)	15.88 (⅝)
Pipe Length (Min~Max)			3~25	3~25	3~25
Maximum Height Difference		m	15	15	15
Precharged up to a Length		m	10	10	10
Additional Refrigerant		grams/meter	20	20	20
Indoor Unit					
External dimension	W/D/H	mm	1105*240*345	1105*240*345	1316*275*365
Net weight		kg	15.0	15.0	25.5
Air Flow H/M/L	Cooling	L/S	310/270/225	315/290/240	291/278/222
Sound Pressure Level	SPL	dBA	45/42/39/24	46/43/39/25	48/42/36/30
Remote			HE		
Outdoor Unit					
External dimension	W/D/H	mm	820*306*642	890*340*705	950x370x815
Net weight		kg	34.0	42.5	51.0
Compressor Type			Rotary	Rotary	Rotary
Sound Pressure Level	SPL	dBA	51	52	56
Sound Power Level (SWL)	SWL	dBA	66	67	69
Operating Temperature Range					
Outdoor (Min ~ Max)		Cooling	-10°C ~ 53°C		
Outdoor (Min ~ Max)		Heating	-15°C ~ 24°C		

Notes:

ZERL Zoned Energy Rating Label - residential air conditioning star rating based on GEMS 2019 Determination.
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