

Roof Top Packaged Air Conditioners



Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the unit close to the sea shore, contact your local distributor.

Dealer

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**R-22**

Rated capacity (Cooling)

16.1 – 49.8 kW**R-407C**

Rated capacity (Cooling)

65.2 – 114.1 kW**Cooling Only / Heat Pump [50Hz]**

Offering high quality comfort for a wide range of applications through the fusion of technologies.

Daikin's new range of Roof Top Packaged Air Conditioners have been developed specifically to suit commercial applications and are designed to be easy install and optimised dimension to achieve higher EER. Along with the light grey colour, the flat top and compact design gives an aesthetic and neat appearance when installed in line of sight.

• Wide Range

Suitable for a wide range and size of applications.

		R-22					R-407C				
Cooling only	Rated capacity (Cooling)*1*3	Btu/h 55,000	85,000	110,000	143,000	170,000	223,000	260,000	311,000	390,000	
		kW 16.1	24.9	32.2	41.9	49.8	65.2	76.2	91.1	114.1	
	Model name	UA60B	UA90B	UA120B	UA150B	UA180B	UAP250A	UAP300A	UAP360A	UAP420A	
Heat pump	Rated capacity (Cooling)*1*3	Btu/h 55,000	85,000	110,000	143,000	170,000	223,000	260,000	325,000	349,000	
		kW 16.1	24.9	32.2	41.9	49.8	65.2	76.2	95.2	102.1	
	Rated capacity (Heating)*2*3	Btu/h 56,700	86,000	111,000	147,000	171,000	255,000	315,000	349,000	431,000	
		kW 16.6	25.2	32.2	43.0	50.2	74.7	92.3	102.3	126.3	
	Model name	UAY60B	UAY90B	UAY120B	UAY150B	UAY180B	UAYP250A	UAYP300A	UAYP360A	UAYP420A	

1) Cooling capacity is based on indoor temp. 27°CDB, 19°CWD, and outdoor temp.35°CDB.
2) Heating capacity is based on indoor temp. 20°CDB, and outdoor temp.7°CDB, 6°CWB.
3) Net capacities include indoor from motor heat. Please refer to page 3 to 6 for the gross capacities.

• Exceeding MEPS Requirements

UA(Y)-B series is designed with optimised dimension to achieve higher EER to meet MEPS requirements.

• Easy Installation

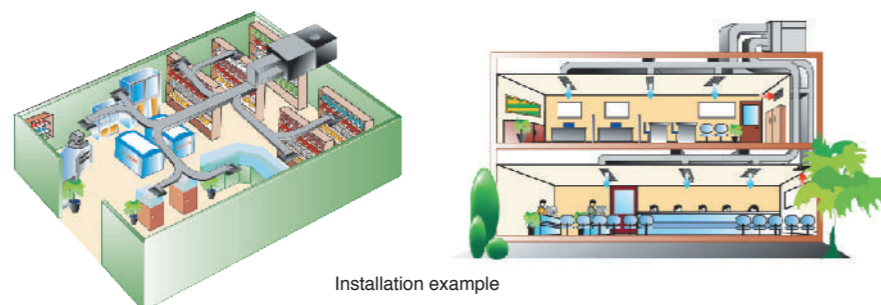
The Daikin Roof Top Packaged Air Conditioners are designed to be easy to install, requiring only ducting (and associated fittings,) power/control wiring and drain pipings. In addition refrigerant is factory pre-charged for clean and efficient operation.

• Scroll Compressor

Unit is equipped with higher efficiency and more reliable scroll compressor. The compressor of each model is mounted on rubber vibration isolators in order to reduce the noise level and vibration transmissions.

• Flexibility of Air Supply

The Daikin Roof Top Packaged Air Conditioners are equipped with flexibility of horizontal side throw and vertical down throw*. (*Applicable only for UA(Y)60/90/120/150/180 B types.) The changing of supply/return air configuration can be achieved by easily switching the fan and motor. This will allow for maximum flexibility in installation. Furthermore the supply air fan is belt driven in order to allow adjustment of air flow, to suit external static pressure and air volume requirements.



• Durability

The weatherproofed electro galvanised mild steel casing is coated with an epoxy polyester powder coating for protection against corrosion. In addition, anti-corrosion fin material is used for further durability.

• Electrical Control Capability

Netware III Controller (Standard remote controller)



Note: Remote controller cable is included (7m).

This controller has a Power LED indicator, IR receiver, a LCD display panel, 5VDC power supply input, and one or two ways communication input/output port.

- Features**
- Cool/Heat/Fan/Dry/Auto modes
 - Temperature operate in °C or °F
 - Room temperature display (optional)
 - Real-time clock and Day display
 - 3 Events 7 days programmable timer
 - Error indicator
 - Key lock and fan lock features
 - Last state memory
 - Override function
- Temperature set back
This button activates the temperature set back function and can only be used when cooling or heating. When cooling, the set temperature will increase 0.5°C after 30 minutes, 1°C after 1 hour and 2°C after 2 hours. When heating, the set temperature will decrease 0.5°C after 30 minutes, 1°C after 1 hour and 2°C after 2 hours.

Sequential Controller (Standard remote controller)



Note: Remote controller cable is not included. Cable must be procured locally.

This controller has a LED indicator, a LCD display panel, 5VDC power supply input, and two communication input/output port.

- Features**
- Cool/Heat/Fan/Dry/Auto modes
 - Single fan speed (High speed)
 - Set temperature in °C or °F
 - Temperature set back
 - Test run function
 - 7 days programmable timer
- Compressors defrost status
 - Heater enable control (for heat pump type)
 - Error indicator
 - Key lock function
 - Last state memory

Specifications

Cooling Only (R-22)

Model		UA60BY1M	UA90BY1M	UA120BY1M	UA150BY1M	UA180BY1M		
Capacity (cooling) *1, *3	Gross	Btu/h	57,000	87,700	114,000	148,000	178,000	
		kW	16.7	25.7	33.3	43.4	52.1	
Power input (cooling) *5	Gross	W	5,000	7,580	9,730	13,200	15,940	
Rated capacity (cooling) *2, *3	Net	Btu/h	55,000	85,000	110,000	143,000	170,000	
		kW	16.1	24.9	32.2	41.9	49.8	
Rated power input (cooling) *4		W	5,680	8,020	10,210	13,640	16,550	
Rated EER (cooling) *4		W/W	2.83	3.10	3.15	3.07	3.01	
Running current (cooling)		A	10.1	15.6	19.9	26.1	33.8	
Power supply	3 Phase, 380-415 V, 50 Hz							
Capacity Steps	%	0-100		0-50-100	0-70-100 or 0-30-100			
Refrigerant type / Control		R-22 / Capillary tube		Ducted				
Evaporator	Air discharge	Netware III						
	Control	Sequential						
	Air flow (High)	l/s / cfm	850 / 1,800	1,510 / 3,200	1,840 / 3,900	2,340 / 4,950	2,740 / 5,805	
	External static pressure (High)	Pa	100	150	200	250	300	
	Condensate drain size	mm	19	25.4	31.8	38.1	44.5	
	Horizontal (l X W)	Supply air connection	mm	364 X 303	405 X 544	403 X 542	403 X 542	
Condenser	Vertical (l X W)	Supply air connection	mm	682 X 301	779 X 480	776 X 478	776 X 478	
	Horizontal (l X W)	Return air connection	mm	238 X 271	535 X 405	536 X 405	536 X 405	
		Return air connection	mm	277 X 672	469 X 768	467 X 562	467 X 562	
	Air flow	l/s / cfm	1,890 / 4,000	3,780 / 8,000	1,890 / 4,000 X 2	2,600 / 5,500 & 1,890 / 4,000	1,890 / 4,000 & 4,720 / 10,000	
	Unit dimensions	Height	mm	1,000	1,147	1,150	1,150	
		Width	mm	1,100	1,666	2,230	2,230	
Depth		mm	1,530	2,115	2,228	2,558		
Packing dimensions	Height	mm	1,234	1,462	1,313	1,313		
	Width	mm	1,187	1,762	2,270	2,270		
	Depth	mm	1,870	2,293	2,260	2,590		
Unit weight	kg	225	445	570	630	706		
Refrigerant charge	kg	4.0	7.9	5.5 & 5.5	9.1 & 4.5	9 & 5		
Evaporator fan	Type / Quantity	Centrifugal / 1						
	Material	Galvanised steel						
	Drive	Belt drive						
Evaporator fan motor	Diameter	mm	254	381	381	381		
	Length	mm	203.2	381	381	381		
	Type / Quantity	Induction motor / 1						
Condenser fan	Index of protection (IP)	IP22						
	Motor output	W	1,500	2,200	3,000	3,000		
	Type / Quantity	Propeller / 1		Propeller / 2				
Condenser fan motor	Material	Plastic		Metal & Plastic				
	Drive	Direct drive						
	Diameter	mm	609.6	609.6 X 2	711.2 & 609.6	750 & 609.6		
Compressor	Type / Quantity	Induction motor / 1		Induction motor / 2				
	Index of protection (IP)	—						
	Type / Quantity	Scroll / 1		Scroll / 2				
Evaporator coil	Oil type	SONTEX 200LT						
	Oil amount	cm ³	1,770	3,253	1,770 X 2	3,253 & 1,242	3,250 & 1,774	
	Tube	Material	S.I.G.C.					
Condenser coil	Tube	Diameter	mm	9.52				
		Thickness	mm	0.28				
		Material	Aluminium					
	Fin	Thickness	mm	0.11				
		Face area	m ²	0.53	0.82	0.51 X 2	0.69 & 0.34	0.84 & 0.42
		Row		3	2	3 X 2	4 X 2	4 X 2
Air quality	Filter	Fin per inch	13	18	12	14		
		Material	S.I.G.C. (seamless inner grooved copper)					
		Diameter	mm	9.52				
	Fin	Thickness	mm	0.28				
		Material	Aluminium					
		Thickness	mm	0.11				
Casing	Face area	m ²	1.21	1.87	1.7 X 2	1.86 & 1.17	1.9 & 1.6	
	Row		2	16	3 & 2	13	16	
	Fin per inch	16	18	16	13	16		
Safety device	Filter	Type	Washable saranet					
		Quantity	2					
		Size	Length	mm	357.5	930	1,140	1,400
Condenser	Filter	Width	mm	745	468	443	439	
		Thickness	mm	4				
		Sound level *7	dBA	65	69	68	71	76
Casing	Filter	Sound power level	dBA	82	85	84	90	93
		Material	Electro galvanised mild steel					
		External finishing	Epoxy polyester powder					
Safety device	High pressure switch	Colour	Light grey					
		Insulation / Thickness	PE / 10					
		Type	NC					
	Low pressure switch	Open	kpa/psi	2,937 / 426				
		Close	kpa/psi	2,413 / 350				
		Type	NC					
Phase sequencer	Open	kpa/psi	48 / 7					
	Close	kpa/psi	152 / 22					
	Discharge thermostat setting	°C	125					
Safety device	Phase sequencer	Low temperature thermostat	°C	—				
		Discharge thermostat setting	°C	125				
		Low temperature thermostat	°C	—				

- Gross capacities do not include indoor fan motor heat.
- Net capacities include indoor fan motor heat.
- Cooling capacity is based on indoor temp. 27°CDB, 19°CWD, and outdoor temp. 35°CDB. All units are being tested and comply to ISO 5151.
- Power input and EER follow AS/NZ3813.1.2
- Power input do not include indoor fan motor input. (Compressor + Outdoor fan motor)
- Please refer to page 2.
- Microphone position: 1m away from every side of the unit and 1m above floor level. Logarithmic mean of 3 microphone position.

Cooling Only (R-407C)

Model		UAP250AY1M	UAP300AY1M	UAP360AY1M	UAP420AY1M	
Capacity (cooling) *1, *3	Gross	Btu/h	237,000	283,000	331,000	415,000
		kW	69.3	82.9	97.0	121.6
Power input (cooling) *5	Gross	W	24,000	33,500	36,000	41,300
Rated capacity (cooling) *2, *3	Net	Btu/h	223,000	260,000	311,000	390,000
		kW	65.2	76.2	91.1	114.1
Rated power input (cooling) *4		W	25,000	35,600	39,000	43,600
Rated EER (cooling) *4		W/W	2.60	2.14	2.34	2.62
Running current (cooling)		A	53.0	68.5	74.2	83.7
Power supply	3 Phase, 380-415 V, 50 Hz					
Capacity Steps	%	0-50-100		0-40-100 or 0-60-100.		
Refrigerant type / Control		R-407C / TXV		Ducted		
Evaporator	Air discharge	Sequential controller				
	Control	Sequential controller				
	Air flow (High)	l/s / cfm	3,776 / 8,000	4,389 / 9,300	5,191 / 11,000	5,899 / 12,500
	External static pressure (High)	Pa	294			
	Condensate drain size	mm	25.4			
	Horizontal (l X W)	Supply air connection	mm	640 X 566	892 X 782	1,650 X 660
Condenser	Vertical (l X W)	Return air connection	mm	1,032 X 758	1,650 X 660	1,650 X 660
	Air flow	l/s / cfm	9,439 / 20,000			
	Unit dimensions	Height	mm	1,735	1,974	1,974
		Width	mm	2,250	2,252	2,252
		Depth	mm	2,800	3,180	3,180
	Packing dimensions	Height	mm	1,900	2,150	2,150
Width		mm	2,250	2,300	2,300	
Depth		mm	2,900	3,250	3,250	
Unit weight	kg	1,200	1,350	1,510	1,600	
Refrigerant charge	kg	9.6 X 2	10.4 X 2	14.5 & 18.0	18.0 X 2	
Evaporator fan	Type / Quantity	Centrifugal / 1				
	Material	Galvanised steel				
	Drive	Belt drive				
Evaporator fan motor	Diameter	mm	457.2	560	560	
	Length	mm	480	457	457	
	Type / Quantity	Three phase squirrel cage induction motor / 1				
Condenser fan	Index of protection (IP)	IP54				
	Motor output	W	5,500	7,500	5,107	6,525
	Type / Quantity	Propeller / 2				
Condenser fan motor	Material	Galvanised steel				
	Drive	Direct drive				
	Diameter	mm	812.8			
Compressor	Type / Quantity	Three phase induction motor / 2				
	Index of protection (IP)	IP54				
	Type / Quantity	Scroll / 2				
Evaporator coil	Oil type	POE				
	Oil amount	cm ³	3,250	4,140	6,600 & 8,000	8,000
	Tube	Material	Seamless copper			S.I.G.C.
Condenser coil	Tube	Diameter	mm	9.52		
		Thickness	mm	0.33		
		Material	Aluminium			
	Fin	Thickness	mm	0.11		
		Face area	m ²	0.91 X 2	3.02	
		Row		4 X 2	3 & 4	4 X 2
Air quality	Filter	Fin per inch	14 X 2	14 & 13	13 X 2	
		Material	Seamless copper		S.I.G.C. (seamless inner grooved copper)	
		Diameter	mm	9.52		
	Fin	Thickness	mm	0.33		
		Material	Aluminium			
		Thickness	mm	0.11		
Casing	Face area	m ²	3.0 X 2	3.50		
	Row		2 X 2	2 & 3	3 X 2	
	Fin per inch	14 X 2	14 & 13	13 X 2		
Safety device	Filter	Type	Washable saranet			
		Quantity	2			
		Size	Length	mm	1,370	860
Condenser	Filter	Width	mm	735	505 & 600	
		Thickness	mm	1	4	
		Sound level *7	dBA	74	90	70
Casing	Filter	Sound power level	dBA	90	93	
		Material	Electro galvanised mild steel			
		External finishing	Epoxy polyester powder			
Safety device	High pressure switch	Colour	Light grey			
		Insulation / Thickness	PE / 10			
		Type	NC			
	Low pressure switch	Open	kpa/psi	2,937 / 470		
		Close	kpa/psi	2,648 / 384		
		Type	—			
Phase sequencer	Open	kpa/psi	—			
	Close	kpa/psi	—			
	Discharge thermostat setting	°C	125			

- Gross capacities do not include indoor fan motor heat.
- Net capacities include indoor fan motor heat.
- Cooling capacity is based on indoor temp. 27°CDB, 19°CWD, and outdoor temp. 35°CDB. All units are being tested and comply to ISO 5151.
- Power input and EER follow AS/NZ3813.1.2
- Power input do not include indoor fan motor input. (Compressor + Outdoor fan motor)
- Please refer to page 2.
- Microphone position: 1m from the service panel and 1m height from the floor level.

Specifications

Heat Pump (R-22)

Model			UAY60BY1M	UAY90BY1M	UAY120BY1M	UAY150BY1M	UAY180BY1M	
Capacity (cooling) *1, *3	Gross	Btu/h	57,000	87,700	114,000	148,000	178,000	
		kW	16.7	25.7	33.3	43.4	52.1	
Capacity (heating) *1, *4	Gross	Btu/h	54,600	83,300	106,200	142,000	164,000	
		kW	16.0	24.4	31.1	41.5	47.9	
Power input (cooling) *6		W	5,000	7,580	9,730	13,200	15,940	
Power input (heating) *6		W	4,400	7,280	9,030	11,600	14,100	
Rated capacity (cooling) *2, *3	Net	Btu/h	55,000	85,000	110,000	143,000	170,000	
		kW	16.1	24.9	32.2	41.9	49.8	
Rated capacity (heating) *4, *4	Net	Btu/h	56,700	86,000	110,000	147,000	171,000	
		kW	16.6	25.2	32.2	43.0	50.2	
Rated power input (cooling) *5		W	5,680	8,020	10,210	13,640	16,550	
Rated power input (heating) *5		W	4,630	7,280	9,000	11,520	14,550	
Rated EER (cooling) *5		W/W	2.83	3.10	3.15	3.07	3.01	
Rated COP (heating) *5		W/W	3.59	3.46	3.58	3.73	3.45	
Running current (cooling)		A	9.9	15.4	19.3	26.2	33.6	
Running current (heating)		A	8.9	15.0	18.5	25.3	32.1	
Power supply			3 Phase, 380-415 V, 50 Hz					
Capacity Steps		%	0-100		0-50-100		0-70-100 or 0-30-100	
Refrigerant type / Control			R-22 / Capillary tube					
Evaporator	Air discharge		Ducted					
	Control		Sequential					
	Operation *7		Netware III					
	Air flow (High)		l/s / cfm	850 / 1,800	1,510 / 3,200	1,840 / 3,900	2,340 / 4,950	2,740 / 5,805
	External static pressure (High)		Pa	100				
	Condensate drain size		mm	25.4				
	Horizontal (l X W)	Supply air connection	mm	364 X 303	405 X 544	403 X 542		
		Return air connection	mm	682 X 301	779 X 480	776 X 478		
	Vertical (l X W)	Supply air connection	mm	238 X 271	535 X 405	536 X 405		
		Return air connection	mm	277 X 672	469 X 768	467 X 582		
Condenser	Air flow		l/s / cfm	1,890 / 4,000	3,780 / 8,000	1,890 / 4,000 X 2	2,600 / 5,500 & 1,890 / 4,000	1,890 / 4,000 & 4,720 / 10,000
	Unit dimensions	Height	mm	1,000	1,147	1,150		
		Width	mm	1,100	1,666	2,230		
		Depth	mm	1,530	2,115	2,228		
	Packing dimensions	Height	mm	1,234	1,462	1,313		
		Width	mm	1,187	1,762	2,270		
		Depth	mm	1,870	2,293	2,260		
	Unit weight	kg	230	460	580	640	716	
	Refrigerant charge	kg	4.0	7.8	5.5 & 5.6	9.1 & 4.5	8.1 & 4.9	
	Evaporator fan	Type / Quantity		Centrifugal / 1				
Material		Galvanised steel						
Drive		Belt drive						
Diameter		mm	254	381				
Length	mm	203.2	381					
Evaporator fan motor	Type / Quantity		Induction motor / 1					
	Index of protection (IP)		IP22					
Condenser fan	Type / Quantity		Propeller / 1		Propeller / 2			
	Material		Plastic		Metal & Plastic			
Condenser fan motor	Type / Quantity		Direct drive					
	Diameter	mm	609.6	609.6 X 2		711.2 & 609.6		750 & 609.6
Compressor	Type / Quantity		Induction motor / 1					
	Index of protection (IP)		Induction motor / 2					
Compressor	Type / Quantity		Scroll / 1		Scroll / 2			
	Oil type		SONTEX 200LT					
	Oil amount	cm ³	1,770	3,253	1,770 X 2	3,253 & 1,242	3,250 & 1,774	
Evaporator coil	Tube	Material	S.I.G.C.					
		Diameter	mm	9.52				
		Thickness	mm	0.28				
	Fin	Material	Aluminium					
		Thickness	mm	0.11				
		Face area	m ²	0.53	0.82	0.51 X 2	0.69 & 0.34	0.84 & 0.42
		Row		3	2	3 X 2		4 X 2
		Fin per inch		13	18	12		14
Condenser coil	Tube	Material	S.I.G.C. (seamless inner grooved copper)					
		Diameter	mm	9.52				
		Thickness	mm	0.28				
	Fin	Material	Aluminium					
		Thickness	mm	0.11				
		Face area	m ²	1.21	1.87	1.7 X 2	1.86 & 1.17	1.9 & 1.6
Row		2		3 & 2				
Fin per inch		16	18	16		13		
Air quality	Filter	Type		Washable saranet				
		Quantity		2				
		Length	mm	357.5	930	1,140		1,400
		Width	mm	745	468	443		439
Condenser	Sound level *8	dBA	65	69	68	71	76	
	Sound power level	dBA	82	85	84	90	93	
Casing	Material		Electro galvanised mild steel					
	External finishing		Epoxy polyester powder					
	Colour		Light grey					
	Insulation / Thickness		PE / 10					
Safety device	High pressure switch	Type	NC					
		Open	kpa/psi	2,937/470				
		Close	kpa/psi	2,647/384		2,413/350		
	Low pressure switch	Type	NC					
		Open	kpa/psi	48 / 7				
		Close	kpa/psi	152 / 22				
Phase sequencer		YES						
Discharge thermostat setting		°C						
Low temperature thermostat		°C						

- Gross capacities do not include indoor fan motor heat.
- Net capacities include indoor fan motor heat.
- Cooling capacity is based on indoor temp. 27°CDB, 19°CWD, and outdoor temp. 35°CDB. Logarithmic mean of 3 microphone position.
- Heating capacity is based on indoor temp. 20°CDB, and outdoor temp. 7°CDB, 6°CWB. All specifications are subjected to change by the manufacturer without prior notice.
- Power input and EER follow AS/NZ3813.1.2
- Power input do not include indoor fan motor input. (Compressor + Outdoor fan motor) All units are being tested and comply to ISO 5151.
- Please refer to page 2.
- Microphone position: 1m away from every side of the unit and 1m above floor level.

Heat Pump (R-407C)

Model			UAYP250AY1M	UAYP300AY1M	UAYP360AY1M	UAYP420AY1M	
Capacity (cooling) *1, *3	Gross	Btu/h	237,000	283,000	345,000	374,000	
		kW	69.3	82.9	101.1	109.6	
Capacity (heating) *1, *4	Gross	Btu/h	241,000	292,000	329,000	406,000	
		kW	70.6	85.6	96.4	118.8	
Power input (cooling) *6		W	24,400	31,500	37,300	40,700	
Power input (heating) *6		W	21,400	28,100	35,800	39,300	
Rated capacity (cooling) *2, *3	Net	Btu/h	223,000	260,000	325,000	349,000	
		kW	65.2	76.2	95.2	102.1	
Rated capacity (heating) *4, *4	Net	Btu/h	255,000	315,000	349,000	431,000	
		kW	74.7	92.3	102.3	126.3	
Rated power input (cooling) *5		W	25,600	33,200	39,000	43,600	
Rated power input (heating) *5		W	22,500	29,300	37,100	41,000	
Rated EER (cooling) *5		W/W	2.55	2.30	2.44	2.34	
Rated COP (heating) *5		W/W	3.32	3.15	2.76	3.08	
Running current (cooling)		A	52.1	65.5	74.2	82.9	
Running current (heating)		A	48.6	61.9	72.0	81.1	
Power supply			3 Phase, 380-415 V, 50 Hz				
Capacity Steps		%	0-50-100		0-40-100 or 0-60-100		
Refrigerant type / Control			R-407C / TXV				
Evaporator	Air discharge		Ducted				
	Control		Sequential controller				
	Operation *7		Ducted				
	Air flow (High)		l/s / cfm	3,776 / 8,000	4,531 / 9,600	5,191 / 11,000	5,899 / 12,500
	External static pressure (High)		Pa	294			
	Condensate drain size		mm	25.4			
	Horizontal (l X W)	Supply air connection	mm	640 X 566		892 X 782	
		Return air connection	mm	1,032 X 758		1,650 X 660	
	Vertical (l X W)	Supply air connection	mm	9,439 / 20,000			
		Return air connection	mm	9,439 / 20,000			
Condenser	Unit dimensions	Height	mm	1,735			
		Width	mm	2,250			
		Depth	mm	2,800			
	Packing dimensions	Height	mm	1,900			
		Width	mm	2,250			
		Depth	mm	2,900			
Unit weight	kg	1,200	1,350	1,510	1,600		
Refrigerant charge	kg	9.4 X 2	9.6 X 2	13.5 & 20.0	20.0 X 2		
Evaporator fan	Type / Quantity		Centrifugal / 1				
	Material		Galvanised steel				
	Drive		Belt drive				
	Diameter	mm	457.2				
Length	mm	480					
Evaporator fan motor	Type / Quantity		Three phase squirrel cage induction motor / 1				
	Index of protection (IP)		IP54				
Condenser fan	Type / Quantity		Propeller / 2				
	Material		Galvanised steel				
Condenser fan motor	Type / Quantity		Direct drive				
	Diameter	mm	812.8 / 32.0				
Compressor	Type / Quantity		Three phase induction motor / 2				
	Index of protection (IP)		IP54				
Compressor	Type / Quantity		Scroll / 2				
	Oil type		POE				
	Oil amount	cm ³	3,250	4,140	6,600 & 8,000	8,000	
Evaporator coil	Tube	Material	Seamless copper				
		Diameter	mm	9.52			
		Thickness	mm	0.33			
	Fin	Material	Aluminium				
		Thickness	mm	0.11			
		Face area	m ²	0.91 X 2		3.02	
Row		4 X 2		3 & 4			
Fin per inch		14 X 2		14 & 13			
Condenser coil	Tube	Material	S.I.G.C. (seamless inner grooved copper)				
		Diameter	mm	9.52			
		Thickness	mm	0.33			
	Fin	Material	Aluminium				
		Thickness	mm	0.11			
		Face area	m ²	3.0 X 2		3.50	
Row		2 X 2		2 & 3			
Fin per inch		14 X 2		14 & 13			
Air quality	Filter	Type		Washable saranet			
		Quantity		2			
		Length	mm	1,370		860	
		Width	mm	735		505 & 600	
Condenser	Sound level *8	dBA	90	74	93	80	
	Sound power level	dBA	90	74	93	80	
Casing	Material		Electro galvanised mild steel				
	External finishing		Epoxy polyester powder				
	Colour		Light grey				
	Insulation / Thickness		PE / 10				
Safety device	High pressure switch	Type	NC				
		Open	kpa/psi	2,937/470			
		Close	kpa/psi	2,647/384		2,413/350	
	Low pressure switch	Type	NC				
		Open	kpa/psi	48 / 7			
		Close	kpa/psi	152 / 22			
Phase sequencer		YES					
Discharge thermostat setting		°C					
Low temperature thermostat		°C					

- Gross capacities do not include indoor fan motor heat.
- Net capacities include indoor fan motor heat.
- Cooling capacity is based on indoor temp. 27°CDB, 19°CWD, and outdoor temp. 35°CDB. All specifications are subjected to change by the manufacturer without prior notice.
- Heating capacity is based on indoor temp. 20°CDB, and outdoor temp. 7°CDB, 6°CWB. All specifications are subjected to change by the manufacturer without prior notice.
- Power input and EER follow AS/NZ3813.1.2
- Power input do not include indoor fan motor input. (Compressor + Outdoor fan motor) All units are being tested and comply to ISO 5151.
- Please refer to page 2.
- Microphone position: 1m from the service panel and 1m height from the floor level.