

Ducted Split System Air Conditioners

High Static & High Energy Efficiency
Capacity Range : 21 to 25.4 Kw.



Amena Gold II Series-R410A

Amena's Gold Series high static ducted splits with R410A have been well recognized and appreciated by all our customers for their high quality, reliability and energy efficiency beside their attractive and compact designs.

With the new Australian MEPS2012/2014 becoming effective on April 1,2012 Amena has completed development of Gold II series, a new generation of high static ducted splits with R410A refrigerant. This series is fully compliant with the latest MEPS that is mandatory for all air conditioning units from April 1, 2012. The range includes three-phase products from 21 to 25.4 Kw. Amena is also busy with development of larger capacities to satisfy the popular demand from the market place.



Indoor Units Features

- Five-speed fan motor for highly flexible selection of air flow volume.
- Wired remote control with either 2-zone,4-zone or 8-zone selections.
- The internal casing is insulated with 5-mm thick closed cell insulation for acoustic and thermal protection.
- Service-friendly construction with ease of access to the blower and fan assembly from the top or bottom.
- Drain tray is electrostatically powder-coated with epoxy paint and insulated with 10-mm thick closed cell insulation.
- Unit casing is made of high quality galvanized steel and electrostatically powder-coated with high quality epoxy paint and oven-baked .
- Evaporators are made of high quality copper tubes and pre-coated aluminium louvre fins for efficient heat exchanging and hydrophilic property.



Outdoor Units Features



- Pre-charged with R410A refrigerant for a 12-metre pipe run.
- Unit operating range is from -5°C to 43°C ambient temperature.
- Three-speed fan motor for efficient performance and low noise operation.
- Equipped with adequate safety devices for compressor and system protection.
- Casing being built of high grade galvanized steel sheet for added strength and durability.
- Completely re-designed for compactness, high efficiency, functionality and aesthetic appearance.
- Compressor and electrical box compartments are easy to disassemble for ease of service or maintenance.
- Pre-coated coil fins for highly efficient hydrophilic property and resistance against corrosive sea salt and chemical vapours.
- Electrostatically powder-coated and oven-baked with high quality epoxy paint for durability and resistance against wear and tear caused by harsh environment.

Zone Control Features



- All-damper off protection.
- Outdoor coil overheat protection.
- Control of dampers up to 4 zones.
- Reversing valve change protection.
- Automatic re-start after power failure.
- Compressor protection in heating mode.
- Automatic defrost cycling in heating mode.
- Fault diagnostic functions with LED indicator.
- Turbo, High, Medium, low and auto fan speeds.
- Delay timer to protect compressor against recycling.
- Anti-freeze protection for indoor coil in cooling mode.
- Watch dog circuit to reset MCU after power fluctuations.
- Automatic changeover from cooling to heating or vice versa.
- Two display units can be installed and the average temperature readings are taken.
- Pre-heat function in heating mode to prevent cold draft while the compressor is on.
- Post-heat function in heating mode to prevent cold draft while the compressor is off.
- Timer has 2, 5 and 7 day options –quite a great flexibility for residential and commercial applications.
- User-friendly wall touch pad with backlit display and possible additional wireless remote control as option.



Ducted Split System (High Static)

Specifications			Three Phase/R410A	
Model	Indoor Unit Outdoor Unit		DNH75LNVH-MYZ VM75CSYH-MCZ	DNH85LNVH-MYZ VM85CSYH-MCZ
Total Rated Cooling Capacity*		kW	21.0	25.4
Rated Sensible Cooling Capacity		kW	17.4	20.9
Rated Dehumidifying Effect		kW	3.6	4.5
Moisture removal		L/hr	5.34	6.61
Rated AEER		W/W	3.10	3.10
Total Rated Heating Capacity**		kW	21.0	24.7
Rated ACOP		W/W	3.30	3.30
Power supply		V/Ph/Hz	380-415/3/50	
Running current	Cooling	A	12.60	15.00
	Heating	A	10.15	14.30
Power consumption	Cooling	W	6,730	8,200
	Heating	W	6,320	7,510
Piping connection	Type (Liq./Gas)		Solder / Solder	
	Liq./Gas/Drain	mm	Ø12.7/22.2/ID.26.6	Ø12.7/28.6/ID.26.6
	Max. Length	m	50	
	Max. Height	m	+/- 15	
Indoor			DNH75LNVH-MYZ	DNH85LNVH-MYZ
Evaporator Coil	Row		4	
	Tube		Ø9.53-Grooved	
Blower	Type		Double Inlet Centrifugal Fan	
	No.		3	4
Fan motor	Type		Permanent Split Capacitor	
	Power supply	V/Ph/Hz	220-240/1/50	
	No.		2	
	Full Load Current	A	2.10x1-1.70x1	2.10x2
Nominal Output	W	311x1-200x1	311x2	
Nominal air flow rate		l/s	1230/1030/840	1500/1250/1020
External static pressure	Min-Max	Pa	25-150	
Sound pressure level at 1 m.		dB(A)	54/49/44	56/51/46
Unit Dimensions	H x W x D	mm	440x1650x810	440x1850x810
Packing Dimensions	H x W x D	mm	585x1770x915	580x1970x915
Net weight		Kg	88	98
Gross weight		Kg	106	118
Outdoor			VM75CSYH-MCZ	VM85CSYH-MCZ
Condenser coil	Row		3	
	Tube		Ø7-Grooved	Ø9.53-Grooved
Fan	Type		Propeller Direct Drive	
	Diameter		Ø560	
	No.		2	
Fan motor	Type		Permanent Split Capacitor	
	Power supply	V/Ph/Hz	220-240/1/50	
	No.		2	
	Full Load Current	A	1.62x2	
Nominal Output	W	200x2		
Compressor	Type		Scroll	
	Power supply	V/Ph/Hz	380-415/3/50	
Refrigerant	Type		R-410A	
	Charging weight at 12m Pipe Length	Kg	7.95	9.45
	Additional Charge	g/m	100	
Nominal air flow rate at Highest Speed		l/s	3000	
Sound pressure level at 1 m.		dB(A)	67/60/51	65/58/49
Unit Dimensions	H x W x D	mm	1552x1150x490	
Packing Dimensions	H x W x D	mm	1720x1220x615	
Net weight		Kg	148	172
Gross weight		Kg	173	197

Note : * Cooling capacity and electric characteristics are based on 27°C DB, 19°C WB indoor temp. and 35°C outdoor temp. at highest speed.

Operative up to 43°C outdoor Temp., Refrigerant pipe length 7.5 m.

** Heating capacity and electric characteristics are based on 20°C DB indoor temp. and 7°C DB, 6°C WB outdoor temp. at highest speed

Operative down to -10°C outdoor temp., Refrigerant pipe length 7.5 m.

UNICO CONSUMER PRODUCTS CO., LTD.

136, 136/1 2nd Floor, Prayasurent Rd., Bangchan,
Klongsamwa, Bangkok 10510 Thailand

Tel : +66 (0) 2517 1819 Fax : +66 (0) 2517 8530

E-mail : sales@amena-air.com www.amena-air.com

Australia Office

Amena Air Conditioners (Australia) P/L

ABN 32 089 242 491

Tel : +61 (0) 412 566 172

E-mail : arenaair@bigpond.com www.amena-air.com



N 10040 AN/NZS 3823.2