



**VIRACO**  
AIR CONDITIONING

DUCT SPLIT TYPE



ITALIAN DEVELOPMENT

2020

## AIR CONDITIONING SYSTEMS

### DUCT SPLIT ( T1 ) , DC INVERTER , COOL - HEAT INDOOR UNIT

- DC Inverter Product
- High Efficiency
- Auto Restart
- Golden Fin
- Low Noise
- Turbo System
- High Air Flow
- Fresh Air Intake
- 60% Energy Saving
- Two Way Drain Output On Both Left And Right Side
- Easy Installation And Maintenance With Service Space



- Special Options
- ✓ Device Smart Control By Mobile Application (Android/IOS) From All Over The World
  - ✓ Ability To Adjust Air Flow Volume (Up To 15 Steps) For Long Ducts

### DUCT SPLIT ( T1 ) , DC INVERTER , COOL - HEAT OUTDOOR UNIT

- DC Inverter Compressor
- 60% Energy Saving
- High Efficiency
- Auto Restart
- Turbo System
- Golden Fin



Specification		DUCT SPLIT ( T1 ) , DC INVERTER , COOL - HEAT					
MODEL NO.			ZMDA-18HD1RANA	ZMDA-24HD1RANA	ZMDA-30HD1RANA	ZMDA-36HD1RANA	ZMDA-60HD1RANB
<b>ELECTRICAL PARTS</b>							
Power Supply	(V,Ph,Hz)		(220-240),1,50	(220-240),1,50	(220-240),1,50	(220-240),1,50	(380-415),3,50
Power Input	(W)	Cooling	1540(530-2070)	2045(700-2780)	2555(820-3440)	3095(1070-4060)	5056(1274-6651)
		Heating	1540(490-1940)	1910(570-2430)	2300(740-3110)	3180(1020-3980)	5051(1042-6034)
Operating Current	(A)	Cooling	7.3(2.6-9.6)	9.5(3.3-12.7)	12.0(3.8-15.7)	14.1(5.0-18.7)	8.54(2-11)
		Heating	7.2(2.5-9)	8.9(2.7-11.2)	10.8(3.6-14.3)	13.8(4.5-17.2)	8.72(1.6-9.9)
<b>PERFORMANCE</b>							
Air Flow Volume	(m <sup>3</sup> / h) CFM	Indoor (Hi/Mi/Lo)	1500/1200/940	2000/1500/1100	2250/2000/1730	2500/2250/2000	3100/2800/2100
			883/706/553	1177/883/647	1324/1177/1018	1472/1324/1177	1825/1648/1236
Noise Level	[dB (A)]	Indoor (Hi/Mi/Lo)	30/28/24	31/29/25	33/31/28	35/32/30	45/43/41
		Outdoor	44	45	48	49	54
<b>DIMENSION &amp; WEIGHT &amp; PIPING SIZE</b>							
Net Dimension	(mm)	Indoor (WxDxH)	880x674x210	1100x774x249	1360x774x249	1360x774x249	1200x874x300
		Outdoor (WxDxH)	800x333x554	845x363x702	946x410x810	946x410x810	952x415x1333
Net Weight	(kg)	Indoor	25.4/31	31.7/39.1	40.6/48.5	40.6/48.5	47.6/55.8
		Outdoor	35.5/38.4	49/52.5	62.9/68.5	67.2/72.9	112.8/126
Piping Size	[mm (inch)]	Liquid	Φ6.35 (1/4")	Φ9.52(3/8")	Φ9.52(3/8")	Φ9.52(3/8")	Φ9.52(3/8")
		Gas	Φ12.7(1/2")	Φ15.9(5/8")	Φ15.9(5/8")	Φ15.9(5/8")	Φ15.9(5/8")
Max. Pipe Length	(m)		30	50	50	65	65
Max. Difference In Level			20	25	25	30	30
<b>REFRIGERANT INFORMATION</b>							
Gas type			R410A	R410A	R410A	R410A	R410A
Gas weight	(g)		1780	1950	2800	3200	4300
<b>COMPRESSOR INFORMATION</b>							
Compressor		Type	DC INVERTER ROTARY	DC INVERTER ROTARY	DC INVERTER ROTARY	DC INVERTER ROTARY	DC INVERTER ROTARY
		Brand	TOSHIBA (GMCC)	TOSHIBA (GMCC)	TOSHIBA (GMCC)	TOSHIBA (GMCC)	TOSHIBA (GMCC)
<b>CLIMATE CLASSES</b>							
Weather		Area	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL

## AIR CONDITIONING SYSTEMS

### DUCT SPLIT ( T1 ) , ON / OFF , COOL - HEAT      INDOOR UNIT

- High Efficiency
- Energy Saving
- Auto Restart
- Golden Fin
- Low Noise
- Turbo System
- High Air Flow
- Fresh Air Intake
- Two Way Drain Output On Both Left And Right Side
- Easy Installation And Maintenance With Service Space



18, 24, 36 (K)

48, 60 (K)

### DUCT SPLIT ( T1 ) , ON / OFF , COOL - HEAT      OUTDOOR UNIT

- High Efficiency
- Energy Saving
- Auto Restart
- Turbo System
- Golden Fin



18, 24, 36 (K)

48, 60 (K)

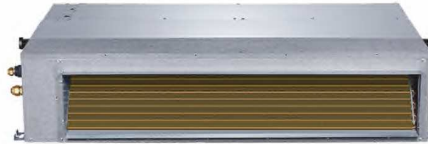
Specification	DUCT SPLIT ( T1 ) , ON / OFF , COOL - HEAT						
MODEL NO.			ZMDA-18HO1RANA	ZMDA-24HO1RANA	ZMDA-36HO1SANA	ZMDA-48HO1SANA	ZMDA-60HO1SANA
<b>ELECTRICAL PARTS</b>							
Power Supply	(V,Ph,Hz)		(220-240),1,50	(220-240),1,50	(220-240),1,50	(380-415),3,50	(380-415),3,50
Power Input	(W)	Cooling	1640	2190	3400	4380	5430
		Heating	1560	2080	3300	4150	5130
Operating Current	(A)	Cooling	7.5	9.9	15	6.6	8.7
		Heating	7.1	9.5	14.5	6.2	8.2
<b>PERFORMANCE</b>							
Air Flow Volume	(m <sup>3</sup> / h)	Indoor (Hi/Mi/Lo)	1100/856/767	1530/1300/1104	2200/1850/1600	2810/2555/2270	3310/2950/2683
	CFM		647/504/451	900/765/650	1295/1090/942	1654/1504/1336	1948/1737/1580
Noise Level	[dB (A)]	Indoor (Hi/Mi/Lo)	35/33/31	36/34/32	39/36/34	41/39/37	42/40/38
		Outdoor	54	54	55	57	58
<b>DIMENSION &amp; WEIGHT &amp; PIPING SIZE</b>							
Net Dimension	(mm)	Indoor (WxDxH)	880×674×210	1100×774×249	1100×774×249	1200×625×380	1200×625×380
		Outdoor (WxDxH)	770×300×555	845×363×702	946×410×810	900×350×1170	900×350×1170
Net Weight	(kg)	Indoor	23.8/29.5	32.2/39.4	32.2/39.4	46/52.3	46/52.3
		Outdoor	36.5/38.8	52.7/56.1	79.5/85.3	94/105	97/108
Piping Size	[mm (inch)]	Liquid	Φ6.35 (1/4")	Φ9.52 (3/8")	Φ9.52 (3/8")	Φ9.52 (3/8")	Φ9.52 (3/8")
		Gas	Φ12.7 (1/2")	Φ15.9 (5/8")	Φ19 (3/4")	Φ19 (3/4")	Φ19 (3/4")
Max. Pipe Length	(m)		25	25	30	50	50
Max. Difference In Level			15	20	20	30	30
<b>REFRIGERANT INFORMATION</b>							
Gas type			R410A	R410A	R410A	R410A	R410A
Gas weight	(g)		1500	1800	2500	3300	3300
<b>COMPRESSOR INFORMATION</b>							
Compressor		Type	ROTARY	ROTARY	SCROLL	SCROLL	SCROLL
		Brand	TOSHIBA (GMCC)	TOSHIBA (GMCC)	COPELAND (EMERSON)	PANASONIC	PANASONIC
<b>CLIMATE CLASSES</b>							
Weather		Area	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL

## AIR CONDITIONING SYSTEMS

### DUCT SPLIT ( T3 ) , ON / OFF , COOL

### INDOOR UNIT

- High Efficiency
- Energy Saving
- Auto Restart
- Golden Fin
- Low Noise
- Turbo System
- High Air Flow
- Fresh Air Intake
- Two Way Drain Output On Both Left And Right Side
- Easy Installation And Maintenance With Service Space



18, 24, 36 (K)



48, 60 (K)

**Special Option**

✓ Device Smart Control By Mobile Application (Android/IOS) From All Over The World

### DUCT SPLIT ( T3 ) , ON / OFF , COOL

### OUTDOOR UNIT

- Functionality Up to 60°
- Tropical Compressor
- High Efficiency
- Energy Saving
- Auto Restart
- Turbo System
- Golden Fin



18, 24, 36 (K)



48, 60 (K)

### Specification

### DUCT SPLIT ( T3 ) , ON / OFF , COOL

MODEL NO.		ZMDA-18CO3RANA	ZMDA-24CO3RANA	ZMDA-36CO3RANB	ZMDA-48CO3SANA	ZMDA-60CO3SANA	
<b>ELECTRICAL PARTS</b>							
Power Supply	(V,Ph,HZ)	(220-240),1,50	(220-240),1,50	(220-240),1,50	(380-415),3,50	(380-415),3,50	
Power Input	(W)	Cooling	1542	2045	2900	3940	4950
		Heating					
Operating Current	(A)	Cooling	6.9	9.1	14.98	7.3	8.2
		Heating					
<b>PERFORMANCE</b>							
Air Flow Volume	(m <sup>3</sup> / h) CFM	Indoor (Hi/Mi/Lo)	1150/900/810	1565/1344/1116	2542/2340/2156	3030/2620/2310	3456/3070/2700
			677/530/477	920/790/657	1496/1378/1270	1783/1542/1360	2034/1807/1590
Noise Level	[dB (A)]	Indoor (Hi/Mi/Lo)	36/33/30	37/34/31	43/41/39	45/43/40	46/44/40
		Outdoor	49	50	55	57	59
<b>DIMENSION &amp; WEIGHT &amp; PIPING SIZE</b>							
Net Dimension	(mm)	Indoor (WxDxH)	880x674x210	1100x774x249	1200x874x300	1200x625x380	1200x625x380
		Outdoor (WxDxH)	845x363x702	946x410x810	946x410x810	952x415x1333	952x415x1333
Net Weight	(kg)	Indoor	25.5/31.1	31.2/37.6	44.8/53.3	56.5/64.5	56.5/64.5
		Outdoor	49.1/52.4	58.7/64.4	69.6/74.4	103.4/116.5	112.5/125.6
Piping Size	[mm (inch)]	Liquid	Φ6.35(1/4")	Φ9.52(3/8")	Φ9.52(3/8")	Φ9.52(3/8")	Φ9.52(3/8")
		Gas	Φ12.7(1/2")	Φ15.9(5/8")	Φ19(3/4")	Φ22(7/8")	Φ22(7/8")
Max. Pipe Length	(m)		25	25	30	50	50
Max. Difference In Level			15	20	20	30	30
<b>REFRIGERANT INFORMATION</b>							
Gas type		R410A	R410A	R410A	R410A	R410A	
Gas weight	(g)	1900	2100	3000	4100	4400	
<b>COMPRESSOR INFORMATION</b>							
Compressor	Type	TROPICAL ROTARY	TROPICAL ROTARY	TROPICAL TWIN-ROTARY	TROPICAL SCROLL	TROPICAL SCROLL	
	Brand	TOSHIBA (GMCC)	TOSHIBA (GMCC)	HITACHI (HIGHLY)	COPELAND	COPELAND	
<b>CLIMATE CLASSES</b>							
Weather	Area	TROPICAL	TROPICAL	TROPICAL	TROPICAL	TROPICAL	



**VIRACO**  
AIR CONDITIONING



## AIR CONDITIONING SYSTEMS

THE BEST CHOICE

آدرس دفتر فروش: تهران خیابان سید جمال الدین اسدآبادی بالاتر از خیابان دهم پلاک ۹۴ واحد ۳

۸۸۱۰۹۱۹۴ - ۸۸۱۰۹۱۹۳

[www.viraco.org](http://www.viraco.org)



ITALIAN DEVELOPMENT