



OMEGA TECHNOLOGY

Engineered to elevate efficiency and comfort ...
... to the next level!



OTEC AIR CONDITIONING

The Art of Comfort



OMEGA
VRF
TECHNOLOGY

OMEGA
INVERTER
TECHNOLOGY





Mission & Vision

OMEGA is steadfast in its commitment to innovating the climate control industry. We're driven by the goal of creating a sustainable and comfortable future for all, a core aspect of our mission and vision.

At the heart of our mission lies the transformative development of climate control solutions. Our focus is on crafting energy-efficient and environmentally friendly products that elevate indoor comfort and exceed our customers' expectations.

Our vision is to emerge as the uncontested leader in climate control on a global scale. We aim to redefine benchmarks for comfort, operational efficiency, and environmental care.

Join us as we challenge and change the standards of comfort and sustainability within the climate control sector. We invite you to be part of the OMEGA journey.

Our journey is marked by pioneering advanced technologies. We're dedicated to providing our customers with sustainable options, fostering a workplace of innovation and collaboration, and expanding our international presence.

Experience the unique value of OMEGA, where our ambition for excellence meets the highest quality and paves the way for a greener, more sustainable future.



The OMEGA Difference

OMEGA Environmental Technologies, with its 30-plus years of experience, excels globally as a leader in innovative and energy-efficient air conditioning, utilizing cutting-edge technologies like VRF (Variable Refrigerant Flow) and 3D Inverter-Motor to deliver unparalleled indoor comfort and significant energy savings.

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Engineered to elevate efficiency and comfort ...
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A Product of
OMEGA
Environmental
Technologies LLC

Non-Inverter Products



Inverter Products



VRF Products



Applied Products



CETO Controls Products



CETO Power Products



CETO Air Products



SEWH-SCHH SERIES

High Wall Air Conditioner 50Hz

ON/OFF Split Heat Pump Unit

Cooling Nominal: 9,000 - 24,000 BTU/h (2.6 - 7.1 kW)

Heating Nominal: 9,500 - 24,500 BTU/h (2.7 - 7.2 kW)

- ✓ 12 SEER in cooling mode.
- ✓ Auto Restart.
- ✓ Energy Saving.
- ✓ Self-Diagnosis.
- ✓ Sleep Mode.
- ✓ LED Back Light.
- ✓ R410A Refrigerant.
- ✓ Gold Find Technology
- ✓ 2 Meter Drain Hose.
- ✓ Wireless LCD Remote Control.
- ✓ Auto Setting for Cooling and Fan.
- ✓ Dry Anti-Mildew Design.
- ✓ Turbo Cooling Function with 4 Speed Fan.
- ✓ Auto Swing (Vertical).
- ✓ Easy Connect Flare Connections.
- ✓ Cleanable Cartridge Air Filter.
- ✓ TimeDelayProtection.
- ✓ 3 Meter Copper Pipe Kit



SEWH



SCHH

INDOOR UNIT

MODEL NO.	SEWH	009H 3A-CWH022	012H 3A-CWH036	018H 3A-CWH056	024H 3A-CWH071
Cooling Capacity Nominal BTU/h (kW)		9,000 (2.2)	12,000 (3.6)	18,000 (5.6)	24,000 (7.1)
Heating Capacity Nominal BTU/h (kW)		9,500 (2.7)	12,500 (3.7)	18,500 (5.7)	24,500 (7.2)
Efficiency SEER		12.0			
Refrigerant Control		Capillary Tube			
Fan	Type	Cross-Flow Fan			
	Speed	4			
	Air Flow CFM (m³/hr) - Hi	265 (450)	324 (550)	500 (850)	500 (850)
	Noise Level (dB(A) Hi	40	42	45	45
	Capacitor (uF)	1.2	1.2	2.0	2.0
Coil Type:	Power Output (W)	15	15	25	25
		Grooved Copper Tubes - Aluminum Slit Gold Fin			
Air Filter		Cleanable Cartridge Type			
	Voltage	220-240V - 1Ph @ 50Hz			
	Range	min 187-max 253			
Electrical	FLA	0.07	0.07	0.11	0.11
		LCD Wireless Remote Control			
Controls		See Outdoor Unit Data			
Refrigerant Connections inches (mm)		1/2 (12)			
Drain Connections inches (mm)		1/2 (12)			
Dimensions inches (mm)	Height	7 3/4 (196)	7 7/8 (200)	8 5/8 (220)	8 5/8 (220)
	Width	28 3/8 (720)	31 1/8 (790)	35 3/8 (900)	35 3/8 (900)
	Depth	10 5/8 (270)	10 5/8 (270)	11 1/2 (291)	11 1/2 (291)
Net Weight	lbs (kgs)	15.4 (7)	17.6 (8)	22.2 (10)	22.2 (10)

OUTDOOR UNIT

MODEL NO.	SCHH	009H 3A-CTH022	012H 3A-CTH036	018H 3A-CTH056	024H 3A-CTH071
Compressor Type		Rotary			
Outdoor Fan	No of Fans	1	1	1	1
	Noise Level (dB(A)	50	52	55	57
Coil Type:		Grooved Copper Tubes - Aluminum Slit Gold Fin			
Electrical	Voltage	220-240V - 1Ph @ 50Hz			
	Range (min-max)	min 187-max 253			
	Compressor (RLA)	3.4	4.8	6.95	7.75
	Cooling Pwr. Input Nom. (W)	785	1044	1561	2075
	Min. Circuit Amps (MCA)	4.3	6.1	8.8	9.8
Refrigerant R410A (oz./kgs.)	Max Fuse Amps (MOCP)	6.0	10.0	15.0	15.0
		18.7 / 0.53	21.5 / 0.61	35.3 / 1.0	42.3 / 1.2
Refrigerant Connections inches (mm)	Type	Flare			
	Liquid	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
Max Pipe Distance ft. (m)	Suction	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	5/8 (15.9)
	Height	22 (7)			
Dimensions inches (mm)	Length	40 (12)			
	Height	16 1/2 (420)	20 7/8 (530)	21 3/8 (542)	25 (635)
Net Weight	Width	26 (660)	26 (660)	30 3/4 (780)	32 1/4 (820)
	Depth	9 7/8 (250)	9 7/8 (250)	10 5/8 (271)	12 1/4 (310)
	lbs (kgs)	44 (20)	52.8 (24)	70.4 (32)	81.4 (37)

IEWH-ICHH SERIES

High Wall Air Conditioner 50Hz

Inverter Split Heat Pump Unit

Cooling Nominal: 9,000 ~ 24,000 BTU/h (2.2~7.1 kW)

Heating Nominal: 9,500 ~ 24,500 BTU/h (2.7~7.2 kW)

- ✓ Up to 18 SEER in Cooling Mode.
- ✓ Auto Restart.
- ✓ Inverter Control Technology.
- ✓ Self-Diagnosis.
- ✓ Low Voltage Start Up.
- ✓ LED Backlight.
- ✓ R410A Refrigerant.
- ✓ Gold Find Technology
- ✓ 2 Meter Drain Hose
- ✓ DC Inverter Rotary Compressor.
- ✓ Super Quiet Operation.
- ✓ Soft Start for all Models.
- ✓ Grooved Copper Tubes.
- ✓ Compressor Overload Protection.
- ✓ Over Current Protection.
- ✓ Discharge High Temp. Protection.
- ✓ Time Delay Protection.
- ✓ 3 Meter Copper Pipe Kit



IEWH



ICHH

INDOOR UNIT

MODEL NO.	IEWH	009J 3A-CWJ022	012J 3A-CWJ036	018J 3A-CWJ056	024J 3A-CWJ071
Cooling Capacity Nominal BTU/h (kW)		9,000 (2.2)	12,000 (3.6)	18,000 (5.6)	24,000 (7.1)
Heating Capacity Nominal BTU/h (kW)		9,500 (2.7)	12,500 (3.7)	18,500 (5.7)	24,500 (7.2)
Efficiency SEER		18	18	18	18
Refrigerant Control		Capillary Tube			
Fan	Type	Cross-Flow Fan			
	Speed	4			
	Air Flow CFM (m³/hr) - Hi	295 (500)	324 (550)	482 (820)	708 (1200)
	Noise Level (dB(A) Hi/Lo	40/34	42/36	44/35	46/37
	Motor (W)	30	35	60	110
Coil Type:		Grooved Copper Tubes - Aluminum Slit Gold Fin			
Air Filter		Cleanable Cartridge Type			
	Voltage	220-240V - 1Ph @ 50Hz			
	Range	min 187-max 253			
Electrical	FLA	0.14	0.16	0.27	0.50
		LCD Wireless Remote Control			
Controls		See Outdoor Unit Data			
Refrigerant Connections inches (mm)		1/2 (12)			
Drain Connections inches (mm)		1/2 (12)			
Dimensions inches (mm)	Height	7 3/4 (196)	7 7/8 (200)	8 5/8 (220)	12 1/2 (320)
	Width	28 3/8 (720)	31 1/8 (790)	35 1/2 (900)	40 3/8 (1025)
	Depth	10 5/8 (270)	10 5/8 (270)	11 1/2 (291)	9 1/4 (235)
Net Weight	lbs (kgs)	15.4 (7)	17.6 (8)	22 (10)	28.6 (13)

OUTDOOR UNIT

MODEL NO.	ICHH	009J 3A-CWJ022	012J 3A-CWJ036	018J 3A-CWJ056	024J 3A-CWJ071
Compressor Type		Rotary			
Outdoor Fan	No of Fans	1	1	1	1
	Noise Level (dB(A)	50	50	54	55
Coil Type:		Grooved Copper Tubes - Aluminum Slit Gold Fin			
Electrical	Voltage	220-240-1Ph @ 50Hz			
	Range (min-max)	min 187-max 253			
	Compressor (RLA)	3.8	5.3	6.82	7.3
	Cooling Pwr. Input Nom. (W)	821	1095	1633	2170
	Min. Circuit Amps (MCA)	4.89	6.78	8.80	9.6
Refrigerant R410A (oz./kgs.)	Max Fuse Amps (MOCP)	6.0	10.0	15.0	15.0
		21.5 / 0.61	24.7 / 0.7	32.6 / 0.93	51.1 / 1.45
Refrigerant Connections inches (mm)	Type	Flare			
	Liquid	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
Max Pipe Distance ft. (m)	Suction	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	5/8 (15.9)
	Height	33 (10)			
Dimensions inches (mm)	Length	86 (20)			
	Height	20 7/8 (530)	20 7/8 (530)	22 (560)	25 (635)
Net Weight	Width	26 (660)	26 (660)	30 3/4 (780)	32 1/4 (820)
	Depth	9 8/7 (250)	9 8/7 (250)	10 5/8 (270)	12 1/4 (310)
	lbs (kgs)	48.4 (22)	52.8 (24)	63.8 (29)	77 (35)

SEMP-SECR with SCHC SERIES

Ducted Fan Coil and Round Flow Cassette IDU

with Side Discharge ODU

50Hz - ON/OFF Heat Pump Split Unit

Cooling Nominal: 18,000 - 60,000 BTU/h (5.3 - 16.0 kW)

Heating Nominal: 18,000 - 66,000 BTU/h (5.3 - 19.3 kW)



SEMP



SECR



SCHC



IEMP



IECR



ICHC



ON/OFF INDOOR UNITS											
Ducted Fan Coil - SEMP Series						Round Cassette - SECR Series					
Model No.		018H3A -LC1053	024H3A -LC1070	036H3A -LC1105	048H3A -LC1140	060H3A -LC1160	018H3A -LW1053	024H3A -LW1070	036H3A -LW1105	048H3A -LW1140	060H3A -LW1160
Nominal Cooling Capacity		Btu/h (kW)		18,000 (5.3)	24,000 (7.0)	36,000 (10.5)	48,000 (14.0)	60,000 (16.5)	72,000 (19.5)	84,000 (21.5)	96,000 (23.5)
Cooling - EER (W/W)		2.95	3.41	2.73	3.07	2.83	3.03	3.45	2.73	3.02	2.83
Nominal Heating Capacity		Btu/h (kW)		22,000 (6.4)	28,000 (7.6)	39,000 (11.4)	52,000 (15.2)	66,000 (19.3)	80,000 (23.4)	96,000 (28.0)	112,000 (32.7)
Heating - COP (W/W)		3.90	3.78	3.29	3.30	3.66	3.53	3.78	3.26	2.88	3.11
Electrical		220-240V / 1PH / 50Hz					220-240V / 1PH / 50Hz				
		Voltage-Phase-Frequency					Voltage-Phase-Frequency				
Fan		198 mm - 261 mm					198 mm - 261 mm				
		Range (mm-in)					Range (mm-in)				
Air Flow CFM (m³/hr)		860 (1178)	825 (1140)	980 (1368)	1235 (2100)	1295 (2203)	890 (1103)	735 (1258)	945 (1368)	1000 (1708)	1120 (1900)
Noise Level (dBA) - HHL		43/32	46/41	46/42	47/42	47/43	42/36	43/37	45/41	45/41	47/43
Indoor Motor		Motor Input Watts					Motor Input Watts				
FLA		98	190	268	326	326	84	130	148	148	190
Controls		Wired (Std.) & Wireless (Opt.)					Wireless (Std.) & Wired (Opt.)				
Rating, Conn. In. (mm)		Liquid					Liquid				
Suction		1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Drain Conn. In. (mm) NPT		1 (25)					1 (25)				
Body Dimensions inches (mm)		Height					Height				
Width		8 1/16 (128)	10 5/8 (120)	10 5/8 (120)	11 7/8 (130)	11 7/8 (130)	9 (230)	9 (230)	9 5/8 (245)	11 1/2 (290)	11 1/2 (290)
Depth		36 1/4 (914)	32 1/4 (820)	45 (1143)	47 1/4 (1200)	47 1/4 (1200)	32 5/8 (830)	32 5/8 (830)	33 (840)	32 5/8 (830)	32 5/8 (830)
Net Weight Lbs (kg)		43 (22)	61 (28)	77 (35)	94 (43)	94 (43)	49 (22)	48 (22)	57 (26)	61 (28)	61 (28)

ON/OFF OUTDOOR UNITS						
Side Discharge - SCHC Series						
Model No.	018H3A -LHI053	024H3A -LHI070	036H3A -LHI105	048H7A -LHI140	060H7A -LHI160	
Compressor	Type	Rotary				
	Comp. Rated Load Amps (RLA)	5.7	8.7	16.5	8.8	9.5
	Locked Motor Amps (LRA)	36	43	80	82	65
Outdoor Fan	No. of Fans	1	1	1	2	2
	Motor Input (W)	96	136	190	158 x 2	158 x 2
	Air Flow CFM (m3/h)	1415 (2400)	2355 (4000)	2885 (4900)	3705 (6300)	3705 (6300)
	Noise Level (dBA)	56	54	58	60	60
Coil Type	Grooved Copper Tube - Hydrophilic Blue Fin					
Electrical	Voltage/Phase/Frequency	220-240V / 1PH / 50Hz			380-415V / 3PH / 50Hz	
	Range (min-max)	198 min ~ 264 max			342 min ~ 457 max	
	Comp. Power Input (W)	1227	1855	3470	3370	5630
	Minimum Circuit Amps (MCA)	8.0	10	13.9	10.8	14.1
	Maximum Fuse Amps (MOCP)	15	25	40	20	25
Refrigerant Charge R410a (oz)	37.04 / 1.05	67.02 / 1.9	67.02 / 1.9	102.1 / 2.9	105.6 / 3.0	
Refrigerant Connections (mm)	Type	Flare				
	Liquid	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Suction	1/2 (12.7)	5/8 (15.88)	5/8 (15.88)	3/4 (19.05)	3/4 (19.05)
	Max Pipe Distance FT (m)					
	Height	49.2 (15)	49.2 (15)	65.6 (20)	100 (30)	100 (30)
	Length	80.2 (25)	98.4 (30)	98.4 (30)	165 (50)	165 (50)
	Height	21.58 (560)	27.12 (700)	31.34 (805)	49.14 (1250)	49.14 (1250)
	Dimensions inches (mm)					
Width	30 (760)	33.14 (845)	35.78 (910)	37 (940)	37 (940)	
Depth	9.78 (250)	13 (330)	14.18 (360)	13.38 (340)	13.38 (340)	
Net Weight	74.8 (34)	103.4 (47)	129.8 (59)	178.2 (81)	200.2 (91)	

IEMP-IECR with ICHC SERIES

Ducted Fan Coil and Round Flow Cassette IDU

with Side Discharge ODU

50Hz - Inverter Heat Pump Split Unit

Cooling Nominal: 18,000 - 60,000 BTU/h (5.3 - 16.0 kW)

Heating Nominal: 18,000 - 66,000 BTU/h (5.7 - 17.0 kW)



IEMP



IECR



ICHC

INVERTER INDOOR UNITS													
Ducted Fan Coil - IEMP Series							Round Cassette - IECR Series						
Model No.	01B13A -LCG063	02A13A -LCG070	03B13A -LCG105	03B13A -LCG105	04B13A -LCG140	06B13A -LCG160	01B13A -LWG060	02A13A -LWG070	03B13A -LWG080	03B13A -LWG105	04B13A -LWG140	06B13A -LWG160	
Nominal Cooling Capacity	Btu/h (kW)	18,000 (5.3)	24,000 (7.0)	30,000 (8.7)	38,000 (11.5)	48,000 (14.0)	60,000 (16.3)	18,000 (5.3)	24,000 (7.0)	30,000 (8.7)	38,000 (11.5)	48,000 (14.0)	
Cooling - EER (kW/h)		3.01	3.02	3.21	3.02	3.01	3.02	3.02	3.02	3.21	3.03	3.01	
Nominal Heating Capacity	Btu/h (kW)	19,500 (5.7)	26,000 (7.6)	32,000 (9.4)	39,400 (11.6)	52,000 (15.4)	58,000 (17.3)	19,500 (5.7)	26,000 (7.6)	32,000 (9.4)	39,400 (11.6)	52,000 (15.4)	
Heating - COP (kW/h)		3.42	3.42	3.41	3.41	3.41	3.42	3.43	3.42	3.41	3.42	3.41	
Electrical	Voltage/Phase-Frequency	220-240V / 1PH / 50Hz						220-240V / 1PH / 50Hz					
	Range (min-max)	198 min - 254 max						198 min - 254 max					
Fan	Air Flow CFM (m³/hr)	600 (800)	650 (1100)	685 (1100)	685 (1100)	1255 (2000)	1255 (2000)	590 (1000)	765 (1300)	845 (950)	845 (950)	1140 (2000)	
	Noise Level (dBA) - H10c	30/35	30/35	46/40	47/40	49/42	49/42	39/27	44/37	49/44	49/44	51/45	
	Motor Input/Watts	55	68	74	142	100	100	21	56	56	55	100	
Indoor Motor	FLA	0.25	0.31	0.34	0.64	0.82	0.82	2.3	4.5	4.5	2.6	3.0	
Controls		Wired (C) & Wireless (C)						Wireless (C) & Wired (C)					
Refrig. Com. Int. (mm)	Liquid	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	
	Suction	1/2 (12.70)	1/2 (12.70)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	1/2 (12.70)	1/2 (12.70)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	
Unit Com. Int. (mm) NPT		1/2 (5)						1/2 (5)					
Physical Dimensions (mm)	Height	814 (210)	814 (210)	1058 (270)	1058 (270)	1178 (300)	1178 (300)	658 (245)	658 (245)	958 (245)	958 (245)	1112 (280)	
	Width	361 (900)	361 (900)	361 (900)	461 (1140)	471 (1200)	471 (1200)	33 (840)	33 (840)	33 (840)	33 (840)	33 (840)	
	Depth	1120 (570)	1120 (570)	1120 (570)	1200 (710)	1312 (330)	1312 (330)	33 (840)	33 (840)	33 (840)	33 (840)	33 (840)	
	Net Weight (kg) (lbs)	43 (21.5)	48 (22.2)	52 (22.6)	81 (37.7)	96 (44.3)	96 (44.3)	47 (4.2)	50 (22.3)	62 (28.4)	62 (28.4)	66 (1.0)	

		018J3A -LTG053	024J3A -LTG070	030J3A -LHG090	036J3A -LSG105	048J3A -LSG140	060J3A -LHG160
INVERTER OUTDOOR UNITS Side Discharge - ICHC Series							
Model No.		018J3A -LTG053	024J3A -LTG070	030J3A -LHG090	036J3A -LSG105	048J3A -LSG140	060J3A -LHG160
Compressor	Type	Rotary					
	No. of Fans	1				2	
Outdoor Fan	Motor Input (W)	33	33	54	85	85	200
	Air Flow CFM (m3/h)	1765 (5000)	1765 (5000)	2120 (5800)	2120 (5800)	2945 (5000)	3295 (5600)
	Noise Level (dBA)	57	53	57	56	57	58
Coil Type		Grooved Copper Tube - Hydrophilic Blue Fin					
Electrical	Voltage/Frequency	220~240V / 50Hz				380~415V / 50Hz	
	Range (min-max)	196 min ~ 264 max				342 min ~ 457 max	
	Comp. Power Input (W)	1740	2320	2750	3480	4070	5390
	Minimum Circuit Amps (MCA)	12.0	15.0	17.0	17.0	9.0	10.0
	Maximum Fuse Amps (MOCP)	20	25	30	35	15	20
Refrigerant Charge R410a (oz)		35.2 / 1.0	58.8 / 1.7	66.9 / 1.9	72.2 / 2.05	104.9 / 2.98	68.6 / 2.8
Refrigerant Connections	Type	Flare					
	Size (mm)	1/4 (R.35)	1/4 (R.35)	3/8 (R.52)	3/8 (R.52)	3/8 (R.52)	3/8 (R.52)
Max Pipe Distance Ft. (m)	Suction	1/2 (12.70)	1/2 (12.70)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)
	Height	46.2 (15)	46.2 (15)	49.2 (15)	49.2 (15)	100 (30)	100 (30)
	Length	96.4 (30)	96.4 (30)	96.4 (30)	96.4 (30)	165 (50)	165 (50)
Dimensions inches (mm)	Height	11.36 (288)	11.36 (288)	13 (330)	14.18 (360)	14.16 (360)	16.10 (410)
	Width	30.34 (780)	30.34 (780)	33.14 (845)	35.76 (910)	35.76 (910)	39.34 (1010)
	Depth	23.14 (590)	23.14 (590)	27.12 (699)	31.34 (805)	31.34 (805)	33.12 (850)
Net Weight lbs (kg)		81.6 (28)	66.2 (31)	94.5 (43)	103.4 (47)	143 (65)	165 (75)

VRF UNITS SUMMARY PRODUCT RANGE - CAPACITY (000 BTU/H)

VRF INDOOR UNITS	TYPE	MODEL	6	8	10	12	15	17	19	22	24	27	31	35	38	42	48	60	76	85	96	153	191	
	One Way Cassette	VECW	●	●	●	●	●	●	●															
	Two Way Cassette	VECT		●	●	●	●	●	●	●	●													
	Round Flow Cassette	VECR			●	●	●	●	●	●	●	●	●	●	●	●	●							
	Low Pressure Ducted Fan Coil	VELP	●	●	●	●	●	●	●	●	●	●												
	Medium Static Ducted Fan Coil	VEMP					●	●	●	●	●	●	●	●	●	●	●							
	High Static Ducted Fan Coil	VEHP(HA)										●	●	●	●	●		●			●	●	●	
	Floor Ceiling	VEFC					●	●	●	●	●	●	●	●	●	●	●							
	Fresh Air Processing Unit	VEFA																●				●	●	●
	Wall Mounted	VEWM		●	●	●	●	●	●	●	●	●												
MINI VRF OUTDOOR UNIT	TYPE	MODEL	24	31	34	42	48	54	60	76	86	96												
	Mini VRF - R410A 220~240V/1Ph/50-60Hz	VNMG			●	●	●	●	●															
	Mini VRF - R410A 380~415V/3Ph/50-60Hz									●	●	●												
VRF MODULAR OUTDOOR	Capacity Nom. HP		8	10	12	14	16	18	20	22	24	26	28	30	32	34	36							
	Modular (1*)	VMEG	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
	Notes	1* - 80 Nom. Tons outdoor unit modules could be connected (4 max.) as (1) circuit to maximum 80 indoor units, with 3,600 Ft. of total piping																						



VRF INDOOR UNITS

VRF INDOOR UNITS																
One-Way Cassette - VECW Series								Round Flow Cassette - VECR Series								
Size (kBTU/h)	6	8	10	12	15	17	19	22	24	27	31	35	38	42	48	
Normal Cooling Capacity - Bluh (kW)	6,000 (1.8)	8,000 (2.3)	10,000 (2.9)	12,000 (3.6)	15,000 (4.3)	17,000 (5.0)	19,000 (5.6)	22,000 (6.4)	24,000 (7.1)	27,000 (7.9)	31,000 (9.1)	35,000 (10.3)	38,000 (11.1)	42,000 (12.3)	48,000 (14.0)	
Normal Heating Capacity - Bluh (kW)	8,000 (2.3)	10,000 (2.9)	12,000 (3.6)	15,000 (4.3)	17,000 (5.0)	19,000 (5.6)	22,000 (6.4)	24,000 (7.1)	27,000 (7.9)	31,000 (9.1)	35,000 (10.3)	38,000 (11.1)	42,000 (12.3)	48,000 (14.0)	55,000 (16.0)	
Electrical	Voltage/Phase/Frequency							Voltage/Phase/Frequency								
	220-240V / 1PH / 50Hz & 60Hz							220-240V / 1PH / 50/60Hz								
	Range (min-max)							Range (min - Max)								
Fan	Air Flow CFM (m³/hr)							Air Flow CFM (m³/hr)								
	300 (8.0)	300 (8.0)	300 (8.0)	400 (8.0)	470 (8.0)	470 (8.0)	470 (8.0)	440 (7.5)	440 (7.0)	500 (8.5)	500 (8.5)	500 (8.5)	500 (8.5)	500 (8.5)	500 (8.5)	
	36/51	36/51	36/51	40/51	42/53	42/53	42/53	36/32	36/32	37/33	37/33	37/33	37/33	37/33	40/35	
Indoor Motor	Noise Level (dB(A) - HLA)							Noise Level (dB(A) - HLA)								
	50	50	50	60	70	70	70	80	80	80	80	80	80	80	80	
	Motor Input Watts							Motor Input Watts								
FLA	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.36	0.36	0.36	0.36	0.36	0.45	0.45	0.66	
Controls	Wireless Remote Controller (SM) & Wired Controller (CPL) & Centralized Controller (CPL)							Wireless Remote Controller (SM) & Wired Controller (CPL) & Centralized Controller (CPL)								
	1 (25)							1 (25)								
Refr. Conn. In. (mm)	Liquid							Liquid								
	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	
Drain Conn. In. (mm) NPT	Suction							Suction								
	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	
Body Dimensions (mm) incl. J-box	Height	18.78 (480)	18.78 (480)	18.78 (480)	18.78 (480)	18.78 (480)	18.78 (480)	18.78 (480)	18.78 (480)	18.78 (480)	18.78 (480)	18.78 (480)	18.78 (480)	18.78 (480)	18.78 (480)	
	Width	33.12 (850)	33.12 (850)	33.12 (850)	33.12 (850)	33.12 (850)	33.12 (850)	33.12 (850)	33.12 (850)	33.12 (850)	33.12 (850)	33.12 (850)	33.12 (850)	33.12 (850)	33.12 (850)	
	Depth	9.14 (235)	9.14 (235)	9.14 (235)	9.14 (235)	9.14 (235)	9.14 (235)	9.14 (235)	9.14 (235)	9.14 (235)	9.14 (235)	9.14 (235)	9.14 (235)	9.14 (235)	9.14 (235)	
	Net Weight Lbs (kg)	50.6 (23)	50.6 (23)	50.6 (23)	50.6 (23)	50.6 (23)	50.6 (23)	50.6 (23)	50.6 (23)	50.6 (23)	50.6 (23)	50.6 (23)	50.6 (23)	50.6 (23)	50.6 (23)	50.6 (23)

Two-Way Cassette - VCT Series										Wall Mounted - VECW Series										Fresh Air Processing Unit - VEFA				
Size (kBTU/h)	8	10	12	15	17	19	22	24		8	10	12	15	17	19	22	24	27		8	96	153	191	
Nominal Cooling Capacity - Bluh (kW)	8,000 (2.3)	10,000 (2.9)	12,000 (3.6)	15,000 (4.3)	17,000 (5.0)	19,000 (5.6)	22,000 (6.3)	24,000 (7.1)		7,500 (2.2)	10,000 (2.9)	12,000 (3.6)	15,000 (4.3)	17,000 (5.0)	19,000 (5.6)	21,000 (6.3)	24,000 (7.1)	27,000 (8.0)		48,000 (14.0)	96,500 (28.0)	153,000 (45.0)	191,000 (56.0)	
Nominal Heating Capacity - Bluh (kW)	10,000 (2.9)	12,000 (3.6)	14,000 (4.1)	17,000 (5.0)	19,000 (5.6)	21,000 (6.3)	24,000 (7.1)	27,000 (8.0)		9,000 (2.6)	11,000 (3.2)	14,000 (4.1)	17,000 (5.0)	19,000 (5.6)	21,000 (6.3)	24,000 (7.1)	27,000 (8.0)	36,000 (10.6)		39,000 (11.3)	68,000 (20.0)	95,500 (28.0)	133,000 (38.0)	
Electrical	Voltage-Phase-Frequency Range (v/m/Hz)										Voltage-Phase-Frequency Range (v/m/Hz)										Voltage-Phase-Frequency Range (v/m/Hz)			
	220-240V / 1PH / 50/60 Hz										220-240V / 1PH / 50-60Hz										220-240V / 1PH / 50-60Hz			
Fan	Air Flow CFM (m³/h)										Air Flow CFM (m³/h)										Air Flow CFM (m³/h)			
	340 (880)										340 (880)										340 (880)			
Indoor Motor	Noise Level (dBA) - HLA										Noise Level (dBA) - HLA										Noise Level (dBA) - HLA			
	64										64										64			
Controls	Wireless Remote Controller (SM) & Wired Controller (CPL) & Centralized Controller (CPL)										Wireless Remote Controller (SM) & Wired Controller (CPL) & Centralized Controller (CPL)										Wireless Remote Controller (SM) & Wired Controller (CPL) & Centralized Controller (CPL)			
	1 (25)										1 (25)										1 (25)			
Refr. Conn. In. (mm)	Liquid										Liquid										Liquid			
	1/4 (6.35)										1/4 (6.35)										1/4 (6.35)			
Drain Conn. In. (mm) NPT	Suction										Suction										Suction			
	3/8 (9.52)										3/8 (9.52)										3/8 (9.52)			
Body Dimensions (mm)	Height										Height										Height			
	22.58 (573)										22.58 (573)										22.58 (573)			
	Width										Width										Width			
	44.78 (1140)										44.78 (1140)										44.78 (1140)			
Net Weight Lbs (kg)	Depth										Depth										Depth			
	11.12 (250)										11.12 (250)										11.12 (250)			

Low Static Ducted Fan Coil - VELP Series											Medium Static Ducted Fan Coil - VEMP Series										
Size (kBTU/h)	6	8	10	12	15	17	19	22	24	27	31	35	38	42	48						
Normal Cooling Capacity - Bluh (kW)	6,000 (1.8)	8,000 (2.3)	10,000 (2.9)	12,000 (3.6)	15,000 (4.3)	17,000 (5.0)	19,000 (5.6)	21,000 (6.3)	24,000 (7.1)	27,000 (8.0)	31,000 (9.1)	35,000 (10.3)	38,000 (11.1)	42,000 (12.3)	48,000 (14.0)						
Normal Heating Capacity - Bluh (kW)	8,000 (2.3)	10,000 (2.9)	12,000 (3.6)	15,000 (4.3)	17,000 (5.0)	19,000 (5.6)	21,000 (6.3)	24,000 (7.1)	27,000 (8.0)	30,000 (8.8)	34,000 (10.0)	38,000 (11.1)	42,000 (12.3)	48,000 (14.0)	55,000 (16.0)						
Electrical	Voltage-Phase/Frequency 220-240V / 1PH / 50-60Hz										220-240V / 1PH / 50-60Hz										
Range (mm/min)	198 min - 254 max										198 min - 254 max										
Fan	Air Flow CFM (m³/hr)	305 (520)	305 (520)	305 (520)	355 (608)	506 (850)	506 (850)	500 (850)	500 (850)	735 (1256)	735 (1256)	529 (906)	529 (906)	529 (906)	659 (1116)	650 (1100)	1000 (1700)	1000 (1700)	1000 (1700)	1295 (2200)	1295 (2200)
	Noise Level dBA - Hilla	30/24	30/24	30/24	30/26	39/29	39/29	39/29	39/29	41/32	41/32	43/30	43/30	43/30	46/33	49/35	50/41	50/41	50/41	54/43	54/43
Indoor Motor	Motor Input Watts	36	36	36	66	82	82	82	82	136.8	136.8	110	110	110	160	160	330	330	330	360	360
	FLA	0.18	0.18	0.18	0.28	0.36	0.36	0.36	0.36	0.62	0.62	0.49	0.49	0.49	0.74	0.74	1.5	1.5	1.5	1.70	1.70
Controls	Wired Controller (Std.) & Wireless Remote Controller (Opt.) & Centralized Controller (Opt.)										Wired Controller (Std.) & Wireless Remote Controller (Opt.) & Centralized Controller (Opt.)										
Rating Conn. in (mm)	Liquid	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Suction	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	5/8 (15.9)	5/8 (15.9)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)
Drain Conn. In: RPT (mm)	1 (25)										1 (25)										
Body Dimensions (mm)	Height	778 (200)	778 (200)	778 (200)	778 (200)	778 (200)	778 (200)	778 (200)	778 (200)	778 (200)	814 (210)	814 (210)	814 (210)	814 (210)	814 (210)	1068 (270)	1068 (270)	1068 (270)	1178 (300)	1178 (300)	
	Width	27 (12.00)	27 (12.00)	27 (12.00)	27 (12.00)	36 (14.60)	36 (14.60)	36 (14.60)	36 (14.60)	51 (18.100)	51 (18.100)	36 (14.60)	36 (14.60)	36 (14.60)	36 (14.60)	36 (14.60)	47 (18.114)	47 (18.114)	47 (18.114)	47 (18.114)	
	Depth	17 (4.45)	17 (4.45)	17 (4.45)	17 (4.45)	17 (4.45)	17 (4.45)	17 (4.45)	17 (4.45)	17 (4.45)	17 (4.45)	22 (12.57)	22 (12.57)	22 (12.57)	22 (12.57)	22 (12.57)	26 (10.16)	26 (10.16)	31 (12.60)	31 (12.60)	
Net Weight Lbs (Kgs)		30 (14.1)	38 (14.1)	30 (14.1)	31 (15.1)	41 (19.1)	41 (19.1)	41 (19.1)	41 (19.1)	72 (33.4)	72 (33.4)	58 (25.7)	58 (25.7)	58 (25.7)	68 (31.1)	68 (31.1)	78 (34.2)	78 (34.2)	101 (46.0)	101 (46.0)	



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