

Model PCP-VC 08-76

- VRF Rooftop Package is a Turn Key Solution. The VRF condensers installed with custom designed AHU where all Evaporator options are available on demand. All installed on one frame base as package unit to allow easy field installation.
- The VRF Rooftop Package is factory assembled, wired, and run tested to ensure perfect operation of the system.
- VRF Condensers include Full DC Inverter Technology.
- VRF Condensers are highly reliable Frequency-variable multi-split Units: Japanese R&D technology, Japanese configuration and Japanese management.

VRF Rooftop Package Units Configuration:

VRF Package model	Cooling capacity		Condenser Inverter Unit - Model and Cooling Capacity (Btu/hr)						
	(TR)	(Btu/hr)	CIU-100 95,500	CIU-140 136,500	CIU-160 153,500	CIU-200 191,100	CIU-220 209,800	CIU-260 249,100	CIU-320 307,100
PCP-VC 08	8	96,000	✓						
PCP-VC 13	12.5	150,000			✓				
PCP-VC 20	20	240,000						✓	
PCP-VC 25	25	300,000							✓
PCP-VC 30	30	360,000			✓		✓		
PCP-VC 35	35	420,000					✓ ✓		
PCP-VC 40	41	492,000						✓ ✓	
PCP-VC 46	46	552,000						✓	✓
PCP-VC 50	51	612,000							✓ ✓
PCP-VC 53	52.5	630,000					✓ ✓ ✓		
PCP-VC 62	62	744,000						✓ ✓ ✓	
PCP-VC 76	76	912,000							✓ ✓ ✓



Technical Data 8-35 Ton Refrigeration:

Model			PCP-VC 08	PCP-VC 13	PCP-VC 20	PCP-VC 25	PCP-VC 30	PCP-VC 35
Capacity	Cooling ⁽¹⁾	TR	8	12.8	20.8	25.6	30.3	35
		Btu/hr	96,000	153,500	249,080	307,100	363,500	420,000
	Heating ⁽²⁾	TR	9	14.2	23.2	28.4	33.8	39.2
		Btu/hr	107,500	170,600	278,090	341,210	406,040	470,880
Power Supply			380V/3Ph/50Hz					
Power Consumption		kW	8.63	15.8	25.9	33.15	36.9	44.7
Operating Current		A	17.7	30.6	66	67	75	96
Time Delay Fuse		A	3×25-C	3×40-C	3×80-C	3×80-C	3×100-C	3×125-C
Outline Dimensions (LxDxH)		cm	130×270×180	160×280×200	230×280×210	260×290×210	310×290×220	330×305×260
Net Weight		kg	650	830	1400	1550	1900	2250
Condenser Side								
EER		-	3.93	3.52	3.33	3.25	3.4	3.31
COP		-	4.45	4.1	4.03	3.83	4.05	3.98
Rated Input	Cooling	kW	7.13	12.8	21.9	27.65	31.4	37.2
	Heating	kW	7.08	12.2	20.2	26.08	30	35.6
Comp.	Brand		HITACHI/MITSUBISHI					
	Type		SCROLL					
	Quantity		1	1	2	2	3	4
Axial Fan Driver			DC					
Axial Fan Quantity			1	1	2	2	3	4
Axial Fan ESP ⁽³⁾		Pa	0-80					
Sound Pressure Level ⁽⁴⁾		dB(A)	45-57	45-59	48-60	48-62	49-62	51-65
Working Temp.	Cooling	°C	From -5 °C Up to 52 °C					
	Heating	°C	From -20 °C Up to 24 °C					
Evaporator Side								
Air Flow		CFM	3,200	5,000	8,000	9,600	12,000	14,000
Centrifugal Blower	Size		15"x11"	18"x18"	2x15"x15"	2x18"x18"	2x18"x18"	2x20"x20"
	Motor (kW)		1.5	3	4	5.5	5.5	7.5
Blower ESP ⁽³⁾		"H ₂ O	0.75					
Coil	Face Area	Ft²/m²	6.4/0.6	10/0.93	16/1.49	19.2/1.78	24/2.23	28/2.6
	Row Depth		6					
Filter 2", NO.- H×L			4 - 16"×24"	3 - 16"×20"	4 - 20"×20"	10 - 20"×20"	10 - 20"×24"	10 - 24"×24"
				3 - 20"×20"	4 - 20"×24"			

Note:

1. Nominal Cooling Capacity based on indoor air temperature 24°C DB/18°C WB and outdoor air temperature 35°C DB.
2. Nominal Heating Capacity based on indoor air temperature 20°C DB/15°C WB and outdoor air temperature 7°C DB.
3. ESP – External Static Pressure available.
4. Sound Level: measured at 1 m in front of the unit at a height of 1.3 m. Low values measured at automatic night mode, high Values measured at automatic day mode.

Product specifications are subject to change without notice. Appearance of products may differ slightly from catalog images.


Technical Data 40-76 Ton Refrigeration:

Model			PCP-VC 40	PCP-VC 46	PCP-VC 50	PCP-VC 53	PCP-VC 62	PCP-VC 76
Capacity	Cooling (1)	TR	41.6	46.4	51.2	52.5	62.4	76.8
		Btu/hr	498,160	556,180	614,200	630,000	747,240	921,300
	Heating (2)	TR	46.2	51.6	56.8	58.8	69.6	85.2
		Btu/hr	556,180	619,300	682,420	706,320	834,270	1,023,630
Power Supply			380V/3Ph/50Hz					
Power Consumption		kW	51.3	58.5	66	67	81	101.7
Operating Current		A	131	132	133	142	203	204
Time Delay Fuse		A	3×160-C	3×160-C	3×160-C	3×160-C	3×250-C	3×250-C
Outline Dimensions (LxDxH)		cm	320×335×260	350×340×275	350×340×295	350×430×295	380×480×310	410×480×330
Net Weight		kg	2500	2800	3000	3450	4100	4900
Condenser Side								
EER		-	3.33	3.29	3.25	3.31	3.33	3.25
COP		-	4.03	3.93	3.83	3.98	4.03	3.83
Rated Input	Cooling	kW	43.8	49.55	55.3	55.8	65.7	82.95
	Heating	kW	40.4	46.28	52.16	53.4	60.6	78.24
Comp.	Brand		HITACHI/MITSUBISHI					
	Type		SCROLL					
	Quantity		4	4	4	6	6	6
Axial Fan Driver			DC					
Axial Fan Quantity			4	4	4	6	6	6
Axial Fan ESP ⁽³⁾		Pa	0-80					
Sound Pressure Level ⁽⁴⁾		dB(A)	51-63	51-64	51-65	54-65	54-66	54-68
Working Temp.	Cooling	°C	From -5 °C Up to 52 °C					
	Heating	°C	From -20 °C Up to 24 °C					
Evaporator Side								
Air Flow		CFM	16,000	18,000	20,000	21,200	24,800	30,400
Centrifugal Fan		Size	2×20"×20"	2×20"×20"	2×22"×22"	2×22"×22"	2×25"×25"	2×28"×28"
		Motor (kW)	7.5	9	11	11	15	18.75
Blower ESP ⁽³⁾		"H ₂ O	0.75					
Coil	Face Area	Ft²/m²	32/2.98	36/3.35	40/3.72	42.4/3.94	49.6/4.61	50.8/5.65
	Row Depth		6					
Filter 2", NO.- H×L			10 - 24"×20"	10 - 24"×24"	15 - 20"×24"	15 - 20"×24"	15 - 24"×20"	24 - 24"×20"
			2 - 24"×24"	2 - 24"×16"	3 - 20"×16"	3 - 20"×16"	6 - 24"×24"	

Note:

1. Nominal Cooling Capacity based on indoor air temp. 24°C DB/18°C WB and outdoor air temp. 35°C DB.
2. Nominal Heating Capacity based on indoor air temp. 20°C DB/15°C WB and outdoor air temp. 7°C DB.
3. ESP – External Static Pressure available.
4. Sound Level: measured at 1 m in front of the unit at a height of 1.3 m. Low values measured at automatic night mode, high Values measured at automatic day mode.

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