

RX+DDP (052)

Ducted Mini Split System



50Hz



Nominal Range: 1.5 TR to 5 TR (5.3 kW to 18 kW)



علامة الجودة الإماراتية
Emirates Quality Mark



EWA
هيئة الكهرباء والماء
Electricity & Water Authority
Kingdom of Bahrain

Made in KSA صنع في المملكة العربية السعودية

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Legend

The following legends are used throughout this manual:

AFRAir Flow Rate	EER.....Energy Efficiency Ratio
cfm Cubic feet per minute	lbsPounds weight (British units)
dB Decibels	l/sLiters per second
DB Dry Bulb Temperature	Mbh1000 Btuh
WB Wet Bulb Temperature	OD Outside Diameter
Hz Hertz	Ph Phase
kWKilowatts	Pa Pascals
kg Kilograms	SCSensible Capacity
kPa Kilo Pascals	TCTotal Capacity
PSI.....Pounds Per Square Inch	TRTons of refrigeration = 12 MBH
COP.....Coefficient of Performance	VVolts



SKM reserves the right to change, in part or in whole the specifications of its Air Conditioning Equipment at any time in order to add the latest technology. Therefore, the enclosed information may change without any prior notice.

Introduction

The Ducted Split system from SKM consists of RX (a high efficiency - Side Discharge Air Cooled Condensing Unit); matching with DDP (a low noise, ceiling suspended indoor fan coil unit).

This split systems are ideally suited for apartments, houses, offices, shops, small residences, and in small commercial establishments.

SKM ducted split system are available in different models covering 1.5 TR to 5 TR (5.3 kW to 18 kW) at nominal AHRI condition, which make them ideally suited for a very small foot print for space saving and a pleasant exterior appearance.

SKM ducted split system are designed in accordance with G.C.C regulations. SKM ducted split system are designed to conform to ISO 13253 standard, ESMA, QCC, and EWA standards.

SKM ducted split units are suitable to operate in a wide range of ambient temperature. (Minimum outdoor operating ambient in cooling mode is 63°F (17°C), maximum is 131°F (55°C).

SKM ducted split units are internally wired and all that required to be done on site is ducting, refrigerant piping, power supply and suitable room thermostat installation and field wiring, which reduces the installation work and consequently keeps to a minimum cost.

SKM ducted split units are made in KSA and SKM provides qualified service and stock of replacement parts in all major cities of the G.C.C. countries, Egypt, Jordan, and Pakistan.

S.K.M Air Conditioning LLC

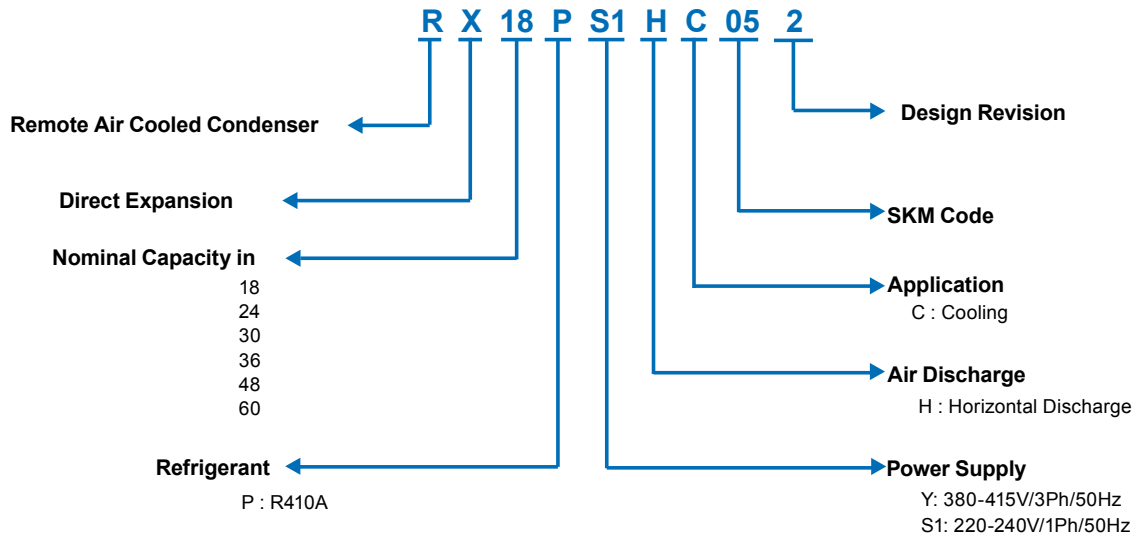


You name it.....We cool it

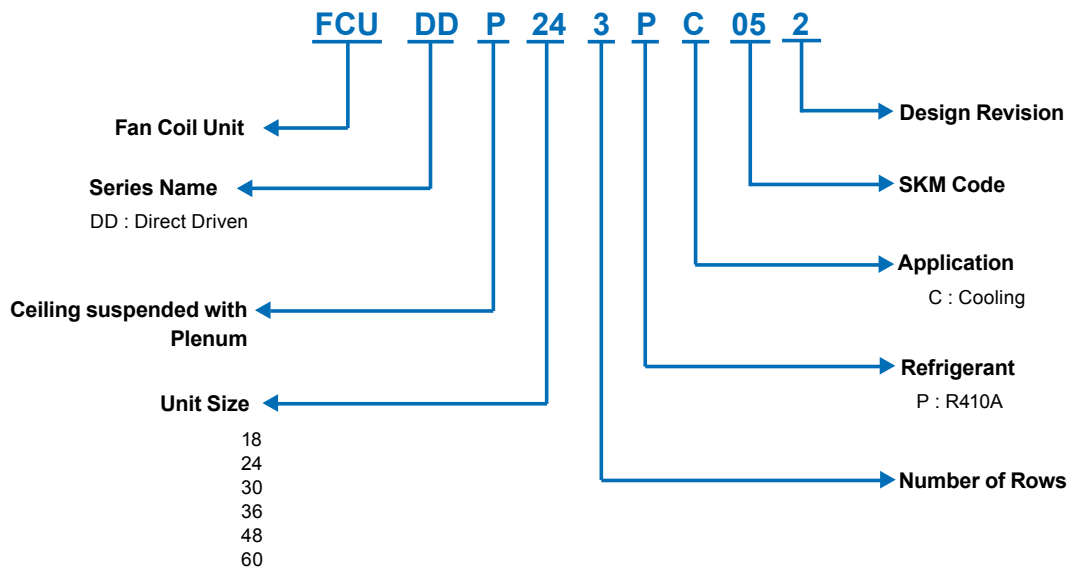


Nomenclature

Ducted Mini Split Nomenclature Outdoor



Ducted Mini Split Nomenclature Indoor



Features

Outdoor Unit Design Features: (Air Cooled units up to 5 Tons of Refrigeration)

- **High Efficiency Hydrophilic Aluminum Fins**

As with all SKM air conditioning units, the RX-DDP Series Outdoor Units are available with Pre Coated Blue Aluminum Fins for the Condenser Coil as a Standard feature.

- **Cooling at High Ambient Temperature**

Enjoy excellent performance even under High ambient temperature up to (55°C).



- **Double Anti-Corrosion**

The housing of outdoor unit is made of galvanized metal, then enhance its corrosion resistance through the powder spraying technology, which can improve its Anti-Corrosion ability 3 times in coastal regions.

- **Auto-restart Function**

Recover the former operation state when power is restored, no need to restart the unit manually.

- **System Protection**

The unit have high and low pressure protection, High temperature protection, Compressor overloading protection, phase sequence protection.

- **Wifi Control**

The optional WiFi modular makes it possible to monitor and control your AC while on the road through APP on your mobile phone or pad.



Indoor Unit Design Features

- **Flexible Air Intake**

Air intake from rear as standard, from bottom as optional. The size of the plate from bottom is the same as the flange from back, which makes it convenient to change installation style due to different decoration requirement.

- **Service Friendly Design**

Both left and right side drainage pipe connection are available, service friendly.

- **Many sections Filter**

The filter is make up of many sections, it helps us easy to disassembly and easy to clean.



Standard Features



Wired Control



3D Air Flow



Auto Restart Function



Long-term Filter



WIFI Control



Hydrophilic Aluminum



Intelligent Defrosting



Fast Cooling/Heating



Low Ambient Cooling



Touch Controller



Outdoor Specification (Cooling Only)

Model	RX	18PS1HC052	24PS1HC052	30PS1HC052	36NPS1HC052	48PYHC052	60PYHC052	
Power Supply	V Hz,Ph	220~240,50,1					380~415,50,3	
Max. Power Input	W	2050	2900	3600	4300	5600	6200	
Max. Current	A	11.2	15.0	19.4	23.0	11.5	12.0	
Compressor	Type	ROTARY				SCROLL		
	Input	W	1450	1890	2060	2770	3900	4150
	Rated Current(RLA)	A	6.9	8.5	9.4	12.05	7.0	7.2
	Locked Rotor Amp(LRA)	A	35	48	55	53	63	63
	Thermal Protection temp.	°C	Inside B class 115°C		Inside E class 115°C		Inside B class 150°C	
	Capacitor	uF	55	45	70	70	-	-
Refrigerant Oil	ml	510	610	720	800	1360		
Outdoor Fan Motor	Output Power x Fan quantity	W	69x1	75x1	75x1	85x1	60x2	
	Capacitor	µF	4	4	4	4	3.5µF	3.5µF
	Speed	r/min	830	810	810	855	770	770
Outdoor Coil	Fin Material	Hydrophilic Aluminum Fin						
	Tube Outside Dia and Material	mm	φ5.0, Inner grooved	φ7.0, Inner grooved			φ7.94, Inner grooved	
	Coil L x H x W	mm	777x610x23.2	886x660x38.1	882x656x38.1	984x758x58.15	981x1320x57.15	981x1320x57.15
	Heat Exchanging Area	m ²	15.78	20.93	26.8	58.35	73.4	73.4
Air Flow Volume		m ³ /h	2500	3500	3500	4100	7200	7200
		CFM	1471	2059	2059	2412	4235	4235
Noise Level	dB(A)	56	58	58	57	60	60	
Dimension (WxDxH)	Net	mm	825x310x655	900x350x700	900x350x700	970x395x805	940x401x1366	940x401x1366
	Packing	mm	945x435x725	1020x430x770	1020x430x770	1105x495x895	1080x460x1490	1080x460x1490
Weight	Net	kg	41	50	55	67	101	102
	Gross	kg	44	53	59	71	117	118
Refrigerant	Type	R410A						
	Charged Volume	g	930	1600	2200	2540	4300	4400
Designed Pressure	MPa	4.4	4.4	4.4	4.4	4.4	4.4	
Refrigerant Pipe	Liquid Side	mm(in)	6.35	9.52	9.52	φ9.52	φ9.52	φ9.52
	Gas Side	mm(in)	12.7	15.88	15.88	φ15.88	φ19.05	φ19.05
	Max. Length	m	30	30	30	50	50	50
	Max. Height	m	15	15	15	30	30	30
Operation Temperature Range	°C	16~32	16~32	16~32	16~32	16~32	16~32	
Ambient Temp (Cooling/Heating)	°C	17~55	17~55	17~55	17~55	17~55	17~55	
Connection Wiring	Power Wiring (Indoor)	mm ²	3x2.5	3x1.5	3x1.5	3x1.5	3x1.5	3x1.5
	Power Wiring (Outdoor)	mm ²	3x2.5	3x2.5	3x4	3x4.0	5x2.5	5x2.5
	Signal Wiring	mm ²	3x1.5	3x1.5	3x1.5	3x1.5	1x1.5	1x1.5

Table 1

Notes:

1. The above design and specifications are subject to change without prior notice for product improvement.
2. The values given in the table for the noise level reflect the levels in anechoic chamber.
3. Parameters above are all measured when the connecting pipe is 5 meters

Indoor Specification (Cooling Only)

Model		FCUDDP	183PC052	243PC052	303PC052	363PC052	483PC052	603PC052
Power Supply		V Hz,Ph	220-240,50,1					
Cooling(T1)	Capacity	Btu/h	17100	23000	28000	32000	48000	52000
		kW	5.01	6.74	8.21	9.38	14.07	15.24
	Rated Power Input	kW	1.44	1.925	2.379	2.68	4.00	4.40
	Rated Current	A	6.4	8.54	10.55	11.88	6.82	7.41
EER	(Btu/h)/W	11.84	11.95	11.77	11.95	12.00	11.82	
Cooling(T3)	Capacity	Btu/h	15200	19800	24600	28000	42000	45500
		kW	4.45	5.80	7.21	8.20	12.31	13.34
	Rated Power Input	kW	1.782	2.321	2.884	3.22	4.8	5.23
	Rated Current	A	7.90	10.30	12.79	14.28	8.18	8.81
EER	(Btu/h)/W	8.53	8.53	8.53	8.69	8.75	8.70	
Indoor Fan Motor	Output Power x Fan quantity	W	90 x 1	90 x 1	300 x 1	300 x 1	240 x 1	250 x 1
	Capacitor	μF	/	5	/	/	12	12
	Speed (Hi/Mi/Lo)	r/min	1450/1300/1150/950	1155/1065/1005/960	1230/1005/930/855	1230/1005/930/855	1385/1240/1160	1385/1270/1160
Indoor Coil	Fin Material	Hydrophilic Aluminum Fin						
	Tube Outside Dia. and Material	mm	φ7, Inner grooved				φ7.94, Inner grooved	
	Coil Length x Height x Width	mm	841×246×25.4	811×328×38.1	1211×328×38.1	1211×328×38.1	985×396×57.15	1135×484×57.15
	Heat Exchanging Area	m ²	6.76	11.38	18.39	18.39	28.91908834	40.73
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m ³ /h	1100/1000/800/600	1400/1300/1000/900	2000/1600/1300/1000	2000/1600/1300/1000	2600/2300/1950	3100/2600/2200
		CFM	647/588/471/353	824/765/588/529	1176/941/765/588	1176/941/765/588	1529/1353/1147	1824/1529/1294
	Noise Level(Hi/Mi/Lo)	dB(A)	43/40/37/33	42/40/38/36	43/40/38/36	45/42/40/38	50/47/44	53/50/47
	External Static Pressure		25		37		50	
	External Static Pressure(Range)	Pa	0-60		0-80	0-100	0-150	
	Net Dimension (W*D*H)	mm	1000×450×200	1000×700×245	1400×700×245	1400×700×245	1250×735×320	1400×820×380
	Packing Dimension (W*D*H)	mm	1300×555×275	1230×830×300	1630×830×300	1630×830×300	1430×800×390	1580×880×450
	Net Weight	kg	25	31	41	41	47	57
Gross Weight	kg	29	36	47	47	53	64	
Refrigerant Pipe	Liquid Side	mm(in)	φ6.35	9.52	9.52	9.52	9.52	9.52
	Gas Side	mm(in)	φ12.7	15.88	15.88	15.88	19.05	19.05
Operation Temperature Range	°C	16-32						
Ambient Temperature Range(Cooling/Heating)	°C	17-55						
Connection Wiring	Power Wiring(Indoor)	mm ²	3×2.5mm ²	3×1.5mm ²	3×1.5mm ²	3×1.5mm ²	3×1.5mm ²	3×1.5mm ²
	Power Wiring(Outdoor)	mm ²	3×2.5mm ²		3×6mm ²		5×4mm ²	
	Signal Wiring	mm ²	2×0.75mm ²	5×0.75mm ²	5×1mm ²			
Wired Controller		XK-04						
Power Supply Connection		IDU		ODU			IDU and ODU	

Table 2

Notes:

- The design conditions are based as per ISO 13253:
 - The evaporator air entering of 80.6°F/66.2°F (27°C/19°C) DB/WB temperature and at 95°F (35°C) outside air dry bulb for T1 conditions.
 - The evaporator air entering of 84.2°F/66.2°F (29C/19°C) DB/WB temperature and at 114.8°F (46°C) outside air dry bulb for T3 conditions.
- The above design and specifications are subject to change without prior notice for product improvement.
- The values given in the table for the noise level reflect the levels in anechoic chamber.
- Parameters above are all measured when the connecting pipe is 5 meters



Combination Ratings - DDP with RX Units (Cooling Only)

High Speed - RX18PS1HC052 + FCUDDP183PC052

ESP	Air Flow Rate		Indoor Air Temperature			Outdoor Air Temperature (°FDB)																							
	m3/h	CFM	°FWB	°FDB	68.0			77.0			89.6			95.0			104.0			109.4			115.0			125.0			
					TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	
60 Pa	860	506	57.2	68.0	13.2	10.7	0.92	13.0	10.6	1.10	12.3	10.3	1.28	12.0	10.1	1.35	11.5	9.9	1.43	11.2	9.6	1.48	10.7	9.5	1.67	9.9	8.1	1.70	
			60.8	71.6	15.4	12.1	0.94	15.1	12.0	1.11	14.4	11.6	1.30	14.0	11.4	1.37	13.5	11.1	1.45	13.0	10.8	1.50	12.4	10.7	1.69	11.5	10.3	1.72	
			64.4	77.0	17.2	13.2	0.95	16.9	13.0	1.13	16.1	12.6	1.32	15.6	12.3	1.39	15.0	12.0	1.48	14.5	11.7	1.52	13.9	11.6	1.71	12.9	11.2	1.75	
			66.2	80.6	18.0	13.6	0.97	17.6	13.4	1.15	16.8	13.0	1.34	16.3	12.7	1.41	15.7	12.4	1.50	15.2	12.1	1.55	14.5	12.0	1.74	13.5	11.6	1.78	
			71.6	86.0	19.8	14.4	0.98	19.4	14.2	1.16	18.5	13.8	1.36	17.9	13.4	1.43	17.2	13.1	1.52	16.7	12.7	1.57	15.9	12.6	1.77	14.8	12.2	1.81	
75.2	89.6	20.5	14.7	1.00	20.1	14.5	1.18	19.2	14.0	1.38	18.6	13.6	1.45	17.9	13.2	1.54	17.3	12.9	1.59	16.5	12.8	1.79	15.3	12.4	1.83				
50 Pa	935	550	57.2	68.0	13.4	11.2	0.93	13.1	11.1	1.10	12.5	10.8	1.28	12.2	10.6	1.35	11.7	10.3	1.44	11.3	10.1	1.48	10.8	9.9	1.67	10.1	9.6	1.71	
			60.8	71.6	15.7	12.7	0.94	15.3	12.6	1.12	14.6	12.2	1.30	14.2	11.9	1.37	11.7	11.7	1.46	13.2	11.4	1.51	12.6	11.2	1.70	11.7	10.9	1.73	
			64.4	77.0	17.5	13.8	0.96	17.1	13.7	1.13	16.3	13.2	1.32	15.8	12.9	1.39	15.2	12.6	1.48	14.7	12.3	1.53	14.1	12.2	1.72	13.1	11.8	1.76	
			66.2	80.6	18.3	14.3	0.97	17.9	14.1	1.15	17.1	13.7	1.34	16.6	13.4	1.42	15.9	13.0	1.51	15.4	12.7	1.56	14.7	12.6	1.75	13.7	12.1	1.79	
			71.6	86.0	20.1	15.2	0.99	19.7	15.0	1.17	18.7	14.5	1.36	18.2	14.1	1.44	17.5	13.7	1.53	16.9	13.3	1.58	16.2	13.3	1.78	15.0	12.8	1.81	
75.2	89.6	20.8	15.4	1.00	20.4	15.2	1.19	19.4	14.7	1.38	18.9	14.3	1.46	18.2	13.9	1.55	17.6	13.5	1.60	16.8	13.5	1.80	15.5	13.0	1.84				
37 Pa	1015	587	57.2	68.0	13.7	11.2	0.93	13.4	11.1	1.10	12.7	10.8	1.29	12.4	10.6	1.36	11.9	10.3	1.44	11.5	10.1	1.49	11.0	9.9	1.68	10.2	9.6	1.72	
			60.8	71.6	15.9	12.7	0.95	15.6	12.6	1.12	14.9	12.2	1.31	14.4	11.9	1.38	13.9	11.7	1.47	13.4	11.4	1.51	12.8	11.2	1.70	11.9	10.9	1.74	
			64.4	77.0	17.8	13.8	0.96	17.4	13.7	1.14	16.6	13.2	1.33	16.1	12.9	1.40	15.5	12.6	1.49	15.0	12.3	1.54	14.4	12.2	1.73	13.3	11.8	1.78	
			66.2	80.6	18.6	14.3	0.98	18.2	14.1	1.16	17.4	13.7	1.35	16.8	13.4	1.42	16.0	13.0	1.51	15.7	12.7	1.56	15.0	12.6	1.76	13.9	12.1	1.80	
			71.6	86.0	20.4	15.1	0.99	20.0	14.9	1.17	19.1	14.4	1.37	18.5	14.1	1.44	17.8	13.7	1.53	17.2	13.3	1.58	16.4	13.3	1.78	15.3	12.8	1.82	
75.2	89.6	21.2	15.4	1.00	20.8	15.2	1.19	19.8	14.6	1.39	19.2	14.3	1.46	18.5	13.9	1.55	17.9	13.5	1.61	17.0	13.5	1.81	15.8	13.0	1.84				
25 Pa	1100	647	57.2	68.0	13.9	11.5	0.94	13.6	11.4	1.12	12.9	11.0	1.30	12.5	10.8	1.37	12.1	10.6	1.46	11.7	10.3	1.51	11.2	10.2	1.70	10.4	9.8	1.74	
			60.8	71.6	16.2	13.0	0.96	15.8	12.9	1.14	15.1	12.5	1.32	14.6	12.2	1.39	14.1	11.9	1.48	13.6	11.6	1.53	13.0	11.5	1.72	12.1	11.1	1.78	
			64.4	77.0	18.1	14.1	0.97	17.7	14.0	1.15	16.8	13.6	1.34	16.3	13.3	1.42	15.7	12.9	1.51	15.2	12.6	1.56	14.6	12.5	1.75	13.5	12.1	1.79	
			66.2	80.6	18.9	14.6	0.99	18.5	14.5	1.17	17.6	14.0	1.37	17.1	13.7	1.44	16.5	13.3	1.53	15.9	13.0	1.58	15.2	12.9	1.78	14.1	12.4	1.82	
			71.6	86.0	20.7	15.5	1.00	20.3	15.3	1.19	19.3	14.8	1.38	18.8	14.4	1.46	18.1	14.0	1.55	17.5	13.7	1.60	16.7	13.6	1.80	15.5	13.1	1.84	
75.2	89.6	21.5	15.8	1.02	21.1	15.6	1.20	20.1	15.0	1.40	19.5	14.6	1.48	18.8	14.2	1.57	18.1	13.8	1.63	17.3	13.8	1.83	16.0	13.3	1.87				
0 Pa	1210	712	57.2	68.0	14.1	11.7	0.95	13.8	11.6	1.12	13.1	11.3	1.31	12.7	11.1	1.38	12.3	10.8	1.47	11.9	10.6	1.52	11.4	10.4	1.71	10.5	10.1	1.74	
			60.8	71.6	16.4	13.3	0.96	16.1	13.2	1.14	15.3	12.8	1.33	14.9	12.5	1.40	14.3	12.2	1.49	13.8	11.9	1.54	13.2	11.8	1.73	12.2	11.4	1.77	
			64.4	77.0	18.3	14.5	0.98	17.9	14.3	1.16	17.1	13.9	1.35	16.6	13.6	1.42	16.0	13.2	1.51	15.4	12.9	1.56	14.8	12.8	1.75	13.7	12.3	1.79	
			66.2	80.6	19.2	15.0	0.99	18.8	14.8	1.18	17.9	14.3	1.37	17.4	14.0	1.45	16.7	13.7	1.54	16.2	13.3	1.59	15.4	13.2	1.79	14.3	12.7	1.83	
			71.6	86.0	21.1	15.9	1.01	20.6	15.7	1.19	19.6	15.2	1.39	19.0	14.8	1.46	18.3	14.4	1.56	17.7	14.0	1.61	17.0	13.9	1.81	16.7	13.4	1.85	
75.2	89.6	21.8	16.1	1.02	21.4	15.9	1.21	20.4	15.4	1.41	19.8	15.0	1.49	19.0	14.6	1.58	18.4	14.2	1.63	17.6	14.1	1.84	16.3	13.6	1.87				

Table 3

Medium Speed - RX18PS1HC052 + FCUDDP183PC052

ESP	Air Flow Rate		Indoor Air Temperature			Outdoor Air Temperature (°FDB)																							
	m3/h	CFM	°FWB	°FDB	68.0			77.0			89.6			95.0			104.0			109.4			115.0			125.0			
					TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	
60 Pa	722	425	57.2	68.0	12.6	10.2	0.91	12.4	10.1	1.07	11.8	9.8	1.25	11.4	9.6	1.32	11.0	9.4	1.40	10.6	9.2	1.45	10.2	9.0	1.63	9.5	8.7	1.67	
			60.8	71.6	14.7	11.5	0.92	14.4	11.4	1.09	13.7	11.1	1.27	13.3	10.9	1.34	12.8	10.6	1.42	12.4	10.3	1.47	11.8	10.2	1.66	11.0	9.9	1.69	
			64.4	77.0	16.4	12.6	0.93	16.1	12.4	1.11	15.3	12.0	1.29	14.9	11.8	1.36	14.3	11.5	1.45	13.8	11.2	1.49	13.3	11.1	1.68	12.3	10.7	1.71	
			66.2	80.6	17.2	13.0	0.95	16.8	12.8	1.13	16.0	12.4	1.31	15.6	12.1	1.38	15.0	11.8	1.47	14.5	11.5	1.52	13.8	11.4	1.71	12.8	11.0	1.75	
			71.6	86.0	19.8	13.8	0.96	18.5	13.6	1.14	17.6	13.1	1.33	17.1	12.8	1.40	16.4	12.5	1.49	15.9	12.1	1.54	15.2	12.1	1.73	14.1	11.7	1.77	
75.2	89.6	19.6	14.0	0.98	19.2	13.8	1.16	18.3	13.3	1.35	17.7	13.0	1.42	17.1	12.6	1.51	16.5	12.3	1.56	15.7	12.2	1.76	14.6	11.8	1.79				
50 Pa	840	494	57.2	68.0	13.2	10.7	0.92	13.0	10.6	1.10	12.3	10.3	1.28	12.0	10.1	1.35	11.5	9.8	1.43	11.2	9.6	1.48	10.7	9.5	1.67	9.9	9.1	1.70	
			60.8	71.6	15.4	12.1	0.94	15.1	12.0	1.11	14.4	11.6	1.30	14.0	11.4	1.37	13.5	11.1	1.45	13.0	10.8	1.50	12.4	10.7	1.69	11.5	10.3	1.73	
			64.4	77.0	17.2	13.2	0.95	16.9	13.0	1.13	16.1	12.6	1.32	15.6	12.3	1.39	15.0	12.0	1.48	14.5	11.7	1.52	13.9	11.6	1.71	12.9	11.2	1.75	
			66.2	80.6	18.0	13.6	0.97	17.6	13.4	1.15	16.8	13.0	1.34	16.3	12.7	1.41	15.7	12.4	1.50	15.2	12.1	1.55	14.5	12.0	1.74	13.5	11.6	1.78	
			71.6	86.0	19.8	14.4	0.98	19.4	14.2	1.16	18.5	13.8	1.36	17.9	13.4	1.43	17.2	13.1	1.52	16.7	12.7	1.57	15.9	12.6	1.77	14.8	12.2	1.81	
75.2	89.6	20.5	14.7	1.00	20.1	14.5	1.18	19.2	14.0	1.38	18.6	13.6	1.45	17.9	13.2	1.54	17.3	12.9	1.59	16.5	12.8	1.79	15.3	12.4	1.83				
37 Pa	942	554	57.2	68.0	13.4	11.2	0.93	13.1	11.1	1.10	12.5	10.8	1.28	12.2	10.6	1.35	11.7	10.3	1.44	11.3	10.1	1.48	10.8	9.9	1.67	10.1	9.6	1.71	
			60.8	71.6	15.7	12.7	0.94	15.3	12.6	1.12	14.6	12.2	1.30	14.2	11.9	1.37	13.7	11.7	1.46	13.2	11.4	1.51	12.6	11.2	1.70	11.7	10.9	1.73	
			64.4	77.0	17.5	13.8	0.96	17.1	13.7	1.13	16.3	13.2	1.32	15.8	12.9	1.39	15.2	12.6	1.48	14.7	12.3	1.53	14.1	12.2	1.72	13.1	11.8	1.76</	

Combination Ratings - DDP with RX Units (Cooling Only)

High Speed - RX24PS1HC052 + FCUDDP243PC052

ESP	Air Flow Rate		Indoor Air Temperature		Outdoor Air Temperature (°FDB)																							
	m3/h	CFM	*FWB	*FDB	68.0			77.0			89.6			95.0			104.0			109.4			115.0			125.0		
					TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
60 Pa	836	492	57.2	68.0	16.7	13.7	1.19	16.4	13.6	1.41	15.6	13.2	1.65	15.1	12.9	1.74	14.6	12.6	1.85	14.1	12.3	1.91	13.1	12.2	2.10	12.1	11.7	2.15
			60.8	71.6	19.5	15.5	1.21	19.1	15.4	1.44	18.2	14.9	1.68	17.7	14.6	1.76	17.0	14.3	1.88	16.4	13.9	1.94	15.2	13.8	2.13	14.1	13.3	2.18
			64.4	77.0	21.8	16.9	1.23	21.3	16.7	1.46	20.3	16.2	1.70	19.7	15.8	1.79	19.0	15.4	1.91	18.3	15.0	1.97	17.0	14.9	2.16	15.8	14.4	2.21
			66.2	80.6	22.8	17.5	1.25	22.3	17.3	1.48	21.3	16.7	1.73	20.6	16.3	1.82	19.9	15.9	1.94	19.2	15.5	2.00	17.7	15.4	2.20	16.5	14.9	2.25
			71.6	86.0	25.0	18.5	1.27	24.5	18.3	1.50	23.3	17.7	1.75	22.6	17.3	1.85	21.8	16.8	1.96	21.1	16.3	2.03	19.5	16.2	2.23	18.1	15.7	2.28
50 Pa	1020	600	57.2	68.0	17.5	14.3	1.22	17.2	14.2	1.44	16.4	13.8	1.68	15.9	13.5	1.77	15.3	13.2	1.89	14.8	12.9	1.95	13.7	12.7	2.15	12.7	12.3	2.19
			60.8	71.6	20.5	16.3	1.24	20.0	16.1	1.47	19.1	15.7	1.71	18.5	15.3	1.80	17.8	15.0	1.92	17.2	14.6	1.98	15.9	14.4	2.18	14.8	13.9	2.22
			64.4	77.0	22.8	17.7	1.26	22.3	17.5	1.49	21.3	17.0	1.74	20.7	16.6	1.83	19.9	16.2	1.94	19.2	15.8	2.01	17.9	15.6	2.21	16.6	15.1	2.25
			66.2	80.6	23.9	18.3	1.28	23.4	18.1	1.51	22.3	17.5	1.76	21.6	17.1	1.86	20.8	16.7	1.98	20.1	16.3	2.04	18.6	16.1	2.25	17.3	15.6	2.29
			71.6	86.0	26.2	19.4	1.29	25.7	19.2	1.53	24.4	18.5	1.79	23.7	18.1	1.88	22.8	17.6	2.00	22.1	17.1	2.07	20.4	17.0	2.28	19.0	16.4	2.33
37 Pa	1215	715	57.2	68.0	18.4	15.0	1.24	18.0	14.9	1.47	17.1	14.5	1.72	16.6	14.2	1.81	16.0	13.9	1.92	15.5	13.6	1.99	14.4	13.4	2.19	13.3	12.9	2.24
			60.8	71.6	21.4	17.1	1.26	21.0	16.9	1.50	20.0	16.4	1.74	19.4	16.1	1.84	18.7	15.7	1.95	18.1	15.3	2.02	16.7	15.1	2.22	15.5	14.6	2.27
			64.4	77.0	23.9	18.6	1.28	23.4	18.4	1.52	22.3	17.8	1.77	21.6	17.4	1.87	20.8	17.0	1.98	20.2	16.5	2.05	18.7	16.4	2.25	17.4	15.8	2.30
			66.2	80.6	25.0	19.2	1.30	24.5	19.0	1.54	23.4	18.4	1.80	22.7	18.0	1.90	21.8	17.5	2.02	21.1	17.0	2.08	19.5	16.9	2.29	18.1	16.3	2.34
			71.6	86.0	27.5	20.4	1.32	26.9	20.1	1.56	25.6	19.4	1.82	24.9	19.0	1.92	23.9	18.4	2.04	23.2	17.9	2.11	21.4	17.8	2.32	19.9	17.2	2.37
25 Pa	1400	824	57.2	68.0	18.5	14.8	1.25	18.3	15.3	1.49	17.4	14.9	1.74	16.9	14.5	1.83	16.3	14.2	1.95	15.7	13.9	2.01	14.6	13.7	2.22	13.6	13.2	2.26
			60.8	71.6	21.8	17.5	1.28	21.3	17.3	1.51	20.3	16.8	1.77	19.7	16.5	1.86	19.0	16.1	1.98	18.3	15.7	2.04	16.9	15.5	2.25	15.7	15.0	2.29
			64.4	77.0	24.3	19.0	1.30	23.8	18.8	1.54	22.7	18.2	1.79	22.0	17.8	1.89	21.2	17.4	2.01	20.5	16.9	2.07	19.0	16.8	2.28	17.6	16.2	2.33
			66.2	80.6	25.4	19.7	1.32	24.9	19.4	1.56	23.7	18.8	1.82	23.0	18.4	1.92	22.1	17.9	2.04	21.4	17.5	2.11	19.8	17.3	2.32	16.4	16.7	2.37
			71.6	86.0	27.9	20.9	1.34	27.3	20.6	1.58	26.0	19.9	1.85	25.2	19.4	1.94	24.3	18.9	2.07	23.5	18.4	2.14	21.8	18.3	2.35	20.2	17.7	2.40
0 Pa	1642	966	57.2	68.0	19.3	16.5	1.28	18.9	16.4	1.51	18.0	16.0	1.76	17.5	15.6	1.9	16.8	15.3	1.98	16.3	14.9	2.04	15.1	14.7	2.25	14.0	14.2	2.29
			60.8	71.6	22.5	18.8	1.30	22.1	18.6	1.54	21.0	18.1	1.79	20.4	17.7	1.89	19.6	17.3	2.01	19.0	16.8	2.07	17.5	16.6	2.28	16.3	16.1	2.33
			64.4	77.0	25.1	20.4	1.32	24.6	20.2	1.56	23.4	19.6	1.82	22.7	19.1	1.91	21.9	18.7	2.04	21.2	18.2	2.10	19.7	18.0	2.31	18.3	17.4	2.36
			66.2	80.6	26.3	21.1	1.34	25.8	20.9	1.58	24.5	20.2	1.85	23.8	19.8	1.95	22.9	19.3	2.07	22.2	18.8	2.14	20.5	18.6	2.35	19.0	18.0	2.40
			71.6	86.0	28.9	22.4	1.35	28.3	22.1	1.61	26.9	21.4	1.87	26.1	20.9	1.97	25.2	20.3	2.10	24.3	19.7	2.17	22.5	19.6	2.38	20.9	19.0	2.43

Table 5

Medium Speed - RX24PS1HC052 + FCUDDP243PC052

ESP	Air Flow Rate		Indoor Air Temperature		Outdoor Air Temperature (°FDB)																							
	m3/h	CFM	*FWB	*FDB	68.0			77.0			89.6			95.0			104.0			109.4			115.0			125.0		
					TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
60 Pa	698	411	57.2	68.0	16.2	13.0	1.18	15.9	12.9	1.40	15.1	12.6	1.64	14.7	12.3	1.72	14.1	12.0	1.83	13.6	11.8	1.89	12.7	11.6	2.09	11.8	11.2	2.13
			60.8	71.6	18.9	14.8	1.20	18.5	14.7	1.42	17.6	14.2	1.66	17.1	13.9	1.75	16.5	13.6	1.86	15.9	13.3	1.92	14.7	13.1	2.11	13.6	12.7	2.16
			64.4	77.0	21.1	16.1	1.22	20.6	15.9	1.45	19.7	15.4	1.69	19.1	15.1	1.78	18.4	14.7	1.89	17.8	14.3	1.95	16.5	14.2	2.14	15.3	13.7	2.19
			66.2	80.6	22.1	16.7	1.24	21.6	16.5	1.47	20.6	15.9	1.72	20.0	15.6	1.81	19.2	15.2	1.92	18.6	14.8	1.99	17.2	14.7	2.18	15.9	14.2	2.23
			71.6	86.0	24.2	17.7	1.26	23.7	17.4	1.49	22.6	16.8	1.74	21.9	16.4	1.83	21.1	16.0	1.95	20.4	15.6	2.01	18.9	15.5	2.21	17.5	15.0	2.26
50 Pa	853	502	57.2	68.0	17.1	13.7	1.21	16.6	13.5	1.43	15.8	13.2	1.67	15.4	12.9	1.76	14.8	12.6	1.87	14.3	12.3	1.93	13.3	12.1	2.13	12.3	11.7	2.17
			60.8	71.6	19.8	15.5	1.23	19.4	15.4	1.45	18.5	14.9	1.70	17.9	14.6	1.79	17.3	14.3	1.90	16.7	13.9	1.96	15.4	13.7	2.16	14.3	13.3	2.20
			64.4	77.0	22.1	16.9	1.25	21.6	16.7	1.48	20.6	16.2	1.72	20.0	15.8	1.81	19.3	15.4	1.93	18.6	15.0	1.99	17.3	14.9	2.19	16.1	14.4	2.23
			66.2	80.6	23.1	17.5	1.27	22.6	17.3	1.50	21.6	16.7	1.75	20.9	16.3	1.84	20.2	15.9	1.96	19.5	15.5	2.03	18.0	15.4	2.22	16.7	14.8	2.28
			71.6	86.0	25.4	18.5	1.28	24.8	18.3	1.52	23.7	17.7	1.77	23.0	17.2	1.87	22.1	16.8	1.99	21.4	16.3	2.05	19.8	16.2	2.26	18.4	16.7	2.31
37 Pa	1087	639	57.2	68.0	17.8	14.3	1.23	17.4	14.2	1.46	16.6	13.8	1.70	16.1	13.5	1.79	15.5	13.2	1.91	15.0	12.9	1.97	13.9	12.7	2.17	12.9	12.3	2.22
			60.8	71.6	20.8	16.3	1.25	20.3	16.1	1.48	19.4	15.6	1.73	18.8	15.3	1.82	18.1	14.9	1.94	17.5	14.6	2.00	16.2	14.4	2.20	15.0	13.9	2.25
			64.4	77.0	23.2	17.7	1.27	22.7	17.5	1.51	21.6	17.0	1.76	21.0	16.6	1.85	20.2	16.2	1.97	19.5	15.8	2.03	18.1	15.6	2.23	16.8	15.1	2.28
			66.2	80.6	24.2	18.3	1.29	23.7	18.1	1.53	22.6	17.5	1.79	21.9	17.1	1.88	21.1	16.7	2.00	20.4	16.2	2.07	18.9	16.1	2.27	17.5	15.6	2.32
			71.6	86.0	26.6	19.4	1.31	26.0	19.2	1.55	24.8	18.5	1.81	24.1	18.1	1.91	23.2	17.6	2.03	22.4	17.1	2.09	20.8	17.0	2.30	19.3	16.4	2.35
25 Pa	1300	765	57.2	68.0	18.4	15.0	1.24	18.0	14.9	1.47	17.1	14.5	1.72	16.6	14.2	1.81	16.0	13.9	1.92	15.5	13.6	1.99	14.4	13.4	2.19	13.3	12.9	2.24
			60.8	71.6	21.4	17.1	1.26	21.0	16.9	1.50	20.0	16.4	1.74	19.4	16.1	1.84	18.7	15.7	1.95	18.1	15.3	2.02	16.7	15.1	2.22	15.5	14.6	2.27
			64.4	77.0	23.9	18.6	1.28	23.4	18.4	1.52	22.3	17.8	1.77	21.6	17.4	1.87	20.8	17.0	1.98	20.2	16.5	2.05	18.7	16.4	2.25	17.4	15.8	2.30
			66.2	80.6	25.0	19.2	1.30	24.5	19.0	1.54	23.4	18.4	1.80	22.7	18.0	1.90	21.8	17.5	2.02	21.1	17.0	2.08	19.5	16.9	2.29	18.1	16.3	2.34
			71.6	86.0	27.5	20.4	1.32	26.9	20.1	1.56	25.6	19.4	1.82	24.9	19.0	1.92	23.9	18.4	2.04	23.2	17.9	2.11	21.					



Combination Ratings - DDP with RX Units (Cooling Only)

High Speed - RX30PS1HC052 + FCUDDP303PC052

ESP	Air Flow Rate		Indoor Air Temperature			Outdoor Air Temperature (*FDB)																						
	m3/h	CFM	*FWB	*FDB	68.0			77.0			89.6			95.0			104.0			109.4			115.0			125.0		
					TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
80 Pa	1352	795	57.2	68.0	21.0	17.2	1.49	20.6	17.1	1.77	19.6	16.6	2.06	19.0	16.2	2.17	18.3	15.9	2.31	17.7	15.5	2.39	16.8	15.3	2.63	15.6	14.8	2.89
			60.8	71.6	24.5	19.5	1.51	24.0	19.3	1.80	22.9	18.8	2.09	22.2	18.4	2.21	21.4	17.9	2.35	20.7	17.5	2.42	19.5	17.3	2.67	18.1	16.7	2.72
			64.4	77.0	27.4	21.2	1.54	26.8	21.0	1.82	25.5	20.4	2.13	24.8	19.9	2.24	23.8	19.4	2.38	23.1	18.9	2.46	21.9	18.7	2.71	20.3	18.1	2.76
			66.2	80.6	28.6	22.0	1.56	28.0	21.7	1.85	26.7	21.0	2.16	25.9	20.5	2.28	25.0	20.0	2.42	24.1	19.5	2.50	22.8	19.3	2.76	21.2	18.7	2.81
			71.6	86.0	31.4	23.3	1.58	30.8	23.0	1.88	29.3	22.2	2.19	28.4	21.7	2.31	27.4	21.1	2.45	26.5	20.5	2.53	25.1	20.4	2.79	23.3	19.7	2.85
			75.2	89.6	32.6	23.7	1.61	31.9	23.4	1.90	30.4	22.5	2.22	29.5	22.0	2.34	28.4	21.4	2.49	27.5	20.8	2.57	26.0	20.7	2.83	24.1	20.0	2.89
			64.4	77.0	22.4	18.3	1.54	21.9	18.1	1.83	20.9	17.6	2.13	20.2	17.3	2.24	19.5	16.9	2.39	18.9	16.5	2.46	17.9	16.3	2.72	16.6	15.7	2.78
			60.8	71.6	26.1	20.8	1.56	25.5	20.6	1.85	24.3	20.0	2.16	23.6	19.5	2.28	22.7	19.1	2.42	22.0	18.6	2.50	20.7	18.4	2.76	19.2	17.8	2.81
			66.2	80.6	29.1	22.6	1.59	28.5	22.4	1.88	27.2	21.7	2.19	26.4	21.2	2.31	25.4	20.7	2.46	24.5	20.1	2.54	23.3	19.9	2.79	21.6	19.3	2.85
			71.6	86.0	33.4	24.8	1.64	32.7	24.5	1.94	31.2	23.6	2.26	30.3	23.1	2.38	29.1	22.5	2.53	28.2	21.8	2.62	26.6	21.7	2.88	24.7	21.0	2.95
50 Pa	1840	1082	57.2	68.0	34.7	25.2	1.66	34.0	24.9	1.97	32.4	24.0	2.29	31.4	23.4	2.42	30.2	22.7	2.57	29.3	22.1	2.65	27.6	22.0	2.92	25.6	21.3	2.98
			60.8	71.6	27.7	18.8	1.56	22.2	18.6	1.85	21.2	18.1	2.16	20.5	17.7	2.27	19.8	17.3	2.41	19.1	16.9	2.49	18.1	16.7	2.75	16.8	16.1	2.81
			64.4	77.0	26.5	21.3	1.58	25.9	21.1	1.88	24.7	20.5	2.19	24.0	20.0	2.31	23.1	19.6	2.45	22.3	19.1	2.53	21.0	18.9	2.79	19.5	18.2	2.85
			66.2	80.6	29.6	23.2	1.61	28.9	22.9	1.91	27.6	22.2	2.22	26.8	21.7	2.34	25.8	21.2	2.49	24.9	20.6	2.57	23.6	20.4	2.83	21.9	19.7	2.89
			71.6	86.0	30.9	24.0	1.63	30.3	23.7	1.94	28.9	22.9	2.26	28.0	22.4	2.38	27.0	21.8	2.53	26.1	21.3	2.62	24.6	21.1	2.88	22.8	20.4	2.94
			75.2	89.6	34.0	25.4	1.66	33.2	25.1	1.96	31.7	24.2	2.29	30.7	23.7	2.41	29.6	23.0	2.56	28.6	22.4	2.65	27.0	22.3	2.92	25.1	21.5	2.98
			60.8	71.6	25.2	19.2	1.57	22.6	19.0	1.86	21.5	18.5	2.16	20.9	18.1	2.28	20.1	17.7	2.42	19.4	17.3	2.50	18.0	17.1	2.76	17.1	16.5	2.82
			64.4	77.0	26.9	21.9	1.59	26.3	21.6	1.88	25.1	21.0	2.20	24.3	20.5	2.31	23.4	20.0	2.46	22.7	19.5	2.54	21.4	19.3	2.80	19.8	18.6	2.86
			66.2	80.6	30.0	23.7	1.61	29.4	23.5	1.91	28.0	22.7	2.23	27.2	22.2	2.35	26.1	21.7	2.50	25.3	21.1	2.58	24.0	20.0	2.84	22.2	20.2	2.90
			71.6	86.0	31.4	24.5	1.64	30.7	24.2	1.95	29.3	23.5	2.27	28.4	22.9	2.39	27.4	22.4	2.54	26.5	21.8	2.63	25.0	21.6	2.89	23.2	20.9	2.95
37 Pa	2000	1176	57.2	68.0	35.2	25.8	1.68	34.5	25.5	1.99	32.9	24.6	2.32	31.9	24.0	2.45	30.7	23.3	2.60	29.7	22.6	2.69	28.0	22.6	2.96	26.0	21.8	3.02
			60.8	71.6	28.1	19.9	1.59	26.3	21.6	1.88	25.1	21.0	2.20	24.3	20.5	2.31	23.4	20.0	2.46	22.7	19.5	2.54	21.4	19.3	2.80	19.8	18.6	2.86
			64.4	77.0	27.0	20.7	1.61	29.4	23.5	1.91	28.0	22.7	2.23	27.2	22.2	2.35	26.1	21.7	2.50	25.3	21.1	2.58	24.0	20.0	2.84	22.2	20.2	2.90
			66.2	80.6	30.9	24.0	1.63	30.3	23.7	1.94	28.9	22.9	2.26	28.0	22.4	2.38	27.0	21.8	2.53	26.1	21.3	2.62	24.6	21.1	2.88	22.8	20.4	2.94
			71.6	86.0	34.0	25.4	1.66	33.2	25.1	1.96	31.7	24.2	2.29	30.7	23.7	2.41	29.6	23.0	2.56	28.6	22.4	2.65	27.0	22.3	2.92	25.1	21.5	2.98
			75.2	89.6	35.2	26.3	1.68	34.5	25.5	1.99	32.9	24.6	2.32	31.9	24.0	2.45	30.7	23.3	2.60	29.7	22.6	2.69	28.0	22.6	2.96	26.0	21.8	3.02
			60.8	71.6	26.9	21.9	1.59	26.3	21.6	1.88	25.1	21.0	2.20	24.3	20.5	2.31	23.4	20.0	2.46	22.7	19.5	2.54	21.4	19.3	2.80	19.8	18.6	2.86
			64.4	77.0	27.0	20.7	1.61	29.4	23.5	1.91	28.0	22.7	2.23	27.2	22.2	2.35	26.1	21.7	2.50	25.3	21.1	2.58	24.0	20.0	2.84	22.2	20.2	2.90
			66.2	80.6	30.9	24.0	1.63	30.3	23.7	1.94	28.9	22.9	2.26	28.0	22.4	2.38	27.0	21.8	2.53	26.1	21.3	2.62	24.6	21.1	2.88	22.8	20.4	2.94
			71.6	86.0	34.0	25.4	1.66	33.2	25.1	1.96	31.7	24.2	2.29	30.7	23.7	2.41	29.6	23.0	2.56	28.6	22.4	2.65	27.0	22.3	2.92	25.1	21.5	2.98
25 Pa	2268	1334	57.2	68.0	35.2	25.8	1.68	34.5	25.5	1.99	32.9	24.6	2.32	31.9	24.0	2.45	30.7	23.3	2.60	29.7	22.6	2.69	28.0	22.6	2.96	26.0	21.8	3.02
			60.8	71.6	28.1	19.9	1.59	26.3	21.6	1.88	25.1	21.0	2.20	24.3	20.5	2.31	23.4	20.0	2.46	22.7	19.5	2.54	21.4	19.3	2.80	19.8	18.6	2.86
			64.4	77.0	27.0	20.7	1.61	29.4	23.5	1.91	28.0	22.7	2.23	27.2	22.2	2.35	26.1	21.7	2.50	25.3	21.1	2.58	24.0	20.0	2.84	22.2	20.2	2.90
			66.2	80.6	30.9	24.0	1.63	30.3	23.7	1.94	28.9	22.9	2.26	28.0	22.4	2.38	27.0	21.8	2.53	26.1	21.3	2.62	24.6	21.1	2.88	22.8	20.4	2.94
			71.6	86.0	34.0	25.4	1.66	33.2	25.1	1.96	31.7	24.2	2.29	30.7	23.7	2.41	29.6	23.0	2.56	28.6	22.4	2.65	27.0	22.3	2.92	25.1	21.5	2.98
			75.2	89.6	35.2	26.3	1.68	34.5	25.5	1.99	32.9	24.6	2.32	31.9	24.0	2.45	30.7	23.3	2.60	29.7	22.6	2.69	28.0	22.6	2.96	26.0	21.8	3.02
			60.8	71.6	26.9	21.9	1.59	26.3	21.6	1.88	25.1	21.0	2.20	24.3	20.5	2.31	23.4	20.0	2.46	22.7	19.5	2.54	21.4	19.3	2.80	19.8	18.6	2.86
			64.4	77.0	27.0	20.7	1.61	29.4	23.5	1.91	28.0	22.7	2.23	27.2	22.2	2.35	26.1	21.7	2.50	25.3	21.1	2.58	24.0	20.0	2.84	22.2	20.2	2.90
			66.2	80.6	30.9	24.0	1.63	30.3	23.7	1.94	28.9	22.9	2.26	28.0	22.4	2.38	27.0	21.8	2.53	26.1	21.3	2.62	24.6	21.1	2.88	22.8	20.4	2.94
			71.6	86.0	34.0	25.4	1.66	33.2	25.1	1.96	31.7	24.2	2.29	30.7	23.7	2.41	29.6	23.0	2.56	28.6	22.4	2.65	27.0	22.3	2.92	25.1	21.5	2.98
0 Pa	2524	1485	57.2	68.0	35.2	25.8	1.68	34.5	25.5	1.99	32.9	24.6	2.32	31.9	24.0	2.45	30.7	23.3	2.60	29.7	22.6	2.69	28.0	22.6	2.96	26.0	21.8	3.02
			60.8	71.6	28.1	19.9	1.59	26.3	21.6	1.88	25.1	21.0	2.20	24.3	20.5	2.31	23.4	20.0	2.46	22.7	19.5	2.54	21.4	19.3	2.80	19.8	18.6	2.86
			64.4	77.0	27.0	20.7	1.61	29.4	23.5	1.91	28.0	22.7	2.23	27.2	22.2	2.35	26.1	21.7	2.50	25.3	21.1	2.58	24.0	20.0	2.84	22.2	20.2	2.90
			66.2	80.6	30.9	24.0	1.63	30.3	23.7	1.94	28.9	22.9	2.26	28.0	22.4	2.38	27.0	21.8	2.53	26.1	21.3	2.62	24.6	21.1	2.88	22.8	20.4	2.94
			71.6	86.0	34.0	25.4	1.66	33.2	25.1	1.96	31.7	24.2	2.29	30.7	23.7	2.41	29.6	23.0	2.56	28.6	22.4	2.65	27.0	22.3	2.92	25.1	21.5	2.98
			75.2	89.6	35.2	26.3	1.68	34.5	25.5	1.99	32.9	24.6	2.32	31.9	24.0	2.45	30.7	23.3	2.60	29.7	22.6	2.69	28.0	22.6	2.96	26.0	21.8	3.02
			60.8	71.6	26.9	21.9	1.59	26.3	21.6	1.88	25.1	21.0	2.20	24.3	20.5	2.31	23.4	20.0	2.46	22.7	19.5	2.54	21.4	19.3	2.80	19.8	18.6	2.86
			64.4	77.0	27.0	20.7	1.61	29.4	23.5	1.91	28.0	22.7	2.23	27.2	22.2	2.35	26.1</											

Combination Ratings - DDP with RX Units (Cooling Only)

High Speed - RX36PS1HC052 + FCUDDP363PC052

ESP	Air Flow Rate		Indoor Air Temperature		Outdoor Air Temperature (°FDB)																																																																																																																																																									
					68.0						77.0						89.6						95.0						104.0						109.4						115.0						125.0																																																																																																															
					*FWB	*FDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI																																																																																																																				
100 Pa	1158	681	57.2	68.0	23.3	18.7	1.66	22.8	18.6	1.97	21.7	18.1	2.30	21.1	17.7	2.42	20.3	17.3	2.58	19.6	16.9	2.66	18.5	16.6	2.92	17.2	16.1	2.98	60.8	71.6	27.1	21.3	1.69	26.6	21.1	2.00	25.3	20.4	2.34	24.6	20.0	2.46	23.7	19.5	2.62	22.9	19.0	2.70	21.5	18.8	2.96	19.9	18.2	3.02	64.4	77.0	30.3	23.1	1.72	29.6	22.9	2.03	28.3	22.7	2.37	27.4	21.7	2.50	26.4	21.1	2.66	25.5	20.6	2.75	24.1	20.4	3.00	22.4	19.7	3.06	66.2	80.6	31.7	23.9	1.75	31.0	23.6	2.07	29.6	22.9	2.41	28.7	22.4	2.54	27.6	21.8	2.70	26.7	21.2	2.79	25.1	21.1	3.05	23.3	20.3	3.12	71.6	86.0	34.8	25.4	1.77	34.1	25.0	2.10	32.5	24.2	2.44	31.5	23.6	2.57	30.3	23.0	2.74	29.3	22.3	2.83	27.6	22.2	3.09	25.6	21.5	3.16	75.2	89.6	36.1	25.8	1.79	35.3	25.4	2.13	33.7	24.5	2.48	32.7	23.9	2.61	31.5	23.3	2.78	30.4	22.6	2.87	28.6	22.5	3.14	26.5	21.8	3.20
			57.2	68.0	24.0	19.7	1.68	23.5	19.5	1.99	22.4	19.0	2.32	21.7	18.6	2.44	20.9	18.2	2.60	20.2	17.7	2.68	19.1	17.5	2.94	17.7	16.9	3.00	60.8	71.6	28.0	22.3	1.70	27.4	22.1	2.02	26.1	21.5	2.36	25.4	21.0	2.48	24.4	20.5	2.64	23.6	20.0	2.73	22.2	19.8	2.98	20.6	19.1	3.04	64.4	77.0	31.3	24.3	1.73	30.6	24.0	2.05	29.2	23.3	2.39	28.3	22.8	2.52	27.2	22.2	2.68	26.4	21.6	2.77	24.9	21.4	3.02	23.1	20.7	3.09	66.2	80.6	32.7	25.1	1.76	32.0	24.8	2.09	30.5	24.0	2.43	29.6	23.5	2.56	28.5	22.9	2.72	27.6	22.3	2.81	25.9	22.1	3.08	24.0	21.3	3.14	71.6	86.0	35.9	26.6	1.78	35.2	26.3	2.11	33.5	25.4	2.46	32.5	24.8	2.59	31.3	24.1	2.76	30.3	23.5	2.85	28.5	23.3	3.12	26.4	22.5	3.19	75.2	89.6	37.3	27.1	1.81	36.5	26.7	2.14	34.8	25.8	2.50	33.7	25.1	2.63	32.5	24.4	2.80	31.4	23.7	2.89	29.5	23.7	3.16	27.4	22.8	3.23
			57.2	68.0	25.6	20.9	1.73	25.0	20.7	2.05	23.8	20.2	2.40	23.1	19.8	2.52	22.3	19.3	2.68	21.5	18.9	2.77	20.3	18.6	3.04	18.9	18.0	3.10	60.8	71.6	29.8	23.8	1.76	29.2	23.5	2.09	27.8	22.8	2.43	27.0	22.3	2.56	26.0	21.8	2.73	25.1	21.3	2.82	23.6	21.0	3.08	21.9	20.3	3.14	64.4	77.0	33.3	25.8	1.79	32.6	25.6	2.12	31.0	24.8	2.47	30.1	24.2	2.60	29.0	23.6	2.77	28.0	23.0	2.86	26.5	22.8	3.12	24.6	22.0	3.19	66.2	80.6	34.8	26.7	1.82	34.1	26.4	2.15	32.5	25.6	2.51	31.5	25.0	2.65	30.3	24.3	2.81	29.4	23.7	2.91	27.6	23.5	3.18	25.6	22.7	3.25	71.6	86.0	38.2	28.3	1.84	37.4	28.0	2.18	35.7	27.0	2.54	34.6	26.6	2.68	33.3	25.7	2.85	32.2	25.0	2.94	30.3	24.8	3.22	28.1	24.0	3.29	75.2	89.6	39.7	28.8	1.87	38.8	28.4	2.21	37.0	27.4	2.58	35.9	26.7	2.72	34.6	26.0	2.89	33.4	25.3	2.99	31.4	25.2	3.27	29.1	24.3	3.33
			57.2	68.0	26.0	m	1.75	25.4	21.2	2.08	24.2	20.7	2.42	23.5	20.2	2.55	22.6	19.8	2.72	21.9	19.3	2.81	20.6	19.0	3.07	19.1	18.4	3.14	60.8	71.6	30.3	24.3	1.78	29.6	24.1	2.11	28.2	23.4	2.46	27.4	22.9	2.59	26.4	22.4	2.76	25.5	21.8	2.85	23.9	21.5	3.12	22.2	20.8	3.18	64.4	77.0	33.8	26.5	1.81	33.1	26.2	2.14	31.5	25.4	2.50	30.6	24.8	2.63	29.4	24.2	2.80	28.5	23.6	2.89	26.9	23.3	3.16	24.9	22.6	3.23	66.2	80.6	35.4	27.4	1.84	34.6	27.1	2.18	33.0	26.2	2.54	32.0	25.5	2.68	30.8	24.9	2.85	29.8	24.3	2.94	28.0	24.1	3.22	26.0	23.3	3.29	71.6	86.0	38.8	29.0	1.86	38.0	28.7	2.21	36.2	27.7	2.57	35.1	27.0	2.71	33.8	26.3	2.88	32.7	25.6	2.96	30.8	25.4	3.26	28.5	24.6	3.33	75.2	89.6	40.3	29.5	1.89	39.4	29.1	2.24	37.6	28.1	2.61	36.4	27.4	2.75	35.1	26.5	2.93	33.9	25.9	3.02	31.9	25.8	3.30	29.6	24.9	3.36
			80 Pa	1332	795	57.2	68.0	26.0	20.9	1.73	25.0	20.7	2.05	23.8	20.2	2.40	23.1	19.8	2.52	22.3	19.3	2.68	21.5	18.9	2.77	20.3	18.6	3.04	18.9	18.0	3.10	60.8	71.6	29.8	23.8	1.76	29.2	23.5	2.09	27.8	22.8	2.43	27.0	22.3	2.56	26.0	21.8	2.73	25.1	21.3	2.82	23.6	21.0	3.08	21.9	20.3	3.14	64.4	77.0	33.3	25.8	1.79	32.6	25.6	2.12	31.0	24.8	2.47	30.1	24.2	2.60	29.0	23.6	2.77	28.0	23.0	2.86	26.5	22.8	3.12	24.6	22.0	3.19	66.2	80.6	34.8	26.7	1.82	34.1	26.4	2.15	32.5	25.6	2.51	31.5	25.0	2.65	30.3	24.3	2.81	29.4	23.7	2.91	27.6	23.5	3.18	25.6	22.7	3.25	71.6	86.0	38.2	28.3	1.84	37.4	28.0	2.18	35.7	27.0	2.54	34.6	26.6	2.68	33.3	25.7	2.85	32.2	25.0	2.94	30.3	24.8	3.22	28.1	24.0	3.29	75.2	89.6	39.7	28.8	1.87	38.8	28.4	2.21	37.0	27.4	2.58	35.9	26.7	2.72	34.6	26.0	2.89	33.4	25.3	2.99	31.4	25.2	3.27
57.2	68.0	27.0				21.3	1.73	30.6	24.0	2.05	29.2	23.3	2.39	28.3	22.8	2.52	27.2	22.2	2.68	26.4	21.6	2.77	24.9	21.4	3.02	23.1	20.7	3.09	60.8	71.6	30.7	24.3	1.76	32.0	24.8	2.09	30.5	24.0	2.43	29.6	23.5	2.56	28.5	22.9	2.72	27.6	22.3	2.81	25.9	22.1	3.08	24.0	21.3	3.14	64.4	77.0	35.9	26.6	1.78	35.2	26.3	2.11	33.5	25.4	2.46	32.5	24.8	2.59	31.3	24.1	2.76	30.3	23.5	2.85	28.5	23.3	3.12	26.4	22.5	3.19	66.2	80.6	37.3	27.1	1.81	36.5	26.7	2.14	34.8	25.8	2.50	33.7	25.1	2.63	32.5	24.4	2.80	31.4	23.7	2.89	29.5	23.7	3.16	27.4	22.8	3.23	71.6	86.0	40.9	28.3	1.84	39.4	28.1	2.24	37.6	28.1	2.61	36.4	27.4	2.75	35.1	26.5	2.93	33.9	25.9	3.02	31.9	25.8	3.30	29.6	24.9	3.36																										
57.2	68.0	28.0				21.3	1.81	36.5	26.7	2.14	34.8	25.8	2.50	33.7	25.1	2.63	32.5	24.4	2.80	31.4	23.7	2.89	29.5	23.7	3.16	27.4	22.8	3.23	60.8	71.6	32.5	26.0	1.79	32.6	25.6	2.12	31.0	24.8	2.47	30.1	24.2	2.60	29.0	23.6	2.77	28.0	23.0	2.86	26.5	22.8	3.12	24.6	22.0	3.19	64.4	77.0	36.0	27.5	1.83	37.9	27.1	2.17	35.3	26.3	2.53	34.2	25.5	2.66	33.0	24.9	2.83	31.9	24.1	2.93	29.9	24.0	3.20	27.9	23.2	3.27	66.2	80.6	37.8	27.5	1.83	37.9	27.1	2.17	35.3	26.3	2.53	34.2	25.5	2.66	33.0	24.9	2.83	31.9	24.1	2.93	29.9	24.0	3.20	27.9	23.2	3.27	71.6	86.0	40.9	28.3	1.84	39.4	28.1	2.24	37.6	28.1	2.61	36.4	27.4	2.75	35.1	26.5	2.93	33.9	25.9	3.02	31.9	25.8	3.30	29.6	24.9	3.36																										
57.2	68.0	28.0				21.3	1.81	36.5	26.7	2.14	34.8	25.8	2.50	33.7	25.1	2.63	32.5	24.4	2.80	31.4	23.7	2.89	29.5	23.7	3.16	27.4	22.8	3.23	60.8	71.6	32.5	26.0	1.79	32.6	25.6	2.12	31.0	24.8	2.47	30.1	24.2	2.60	29.0	23.6	2.77	28.0	23.0	2.86	26.5	22.8	3.12	24.6	22.0	3.19	64.4	77.0	36.0	27.5	1.83	37.9	27.1	2.17	35.3	26.3	2.53	34.2	25.5	2.66	33.0	24.9	2.83	31.9	24.1	2.93	29.9	24.0	3.20	27.9	23.2	3.27	66.2	80.6	37.8	27.5	1.83	37.9	27.1	2.17	35.3	26.3	2.53	34.2	25.5	2.66	33.0	24.9	2.83	31.9	24.1	2.93	29.9	24.0	3.20	27.9	23.2	3.27	71.6	86.0	40.9	28.3	1.84	39.4	28.1	2.24	37.6	28.1	2.61	36.4	27.4	2.75	35.1	26.5	2.93	33.9	25.9	3.02	31.9	25.8	3.30	29.6	24.9	3.36																										
57.2	68.0	28.0				21.3	1.81	36.5	26.7	2.14	34.8	25.8	2.50	33.7	25.1	2.63	32.5	24.4	2.80	31.4	23.7	2.89	29.5	23.7	3.16	27.4	22.8	3.23	60.8	71.6	32.5	26.0	1.79	32.6	25.6	2.12	31.0	24.8	2.47	30.1	24.2	2.60	29.0	23.6	2.77	28.0	23.0	2.86	26.5	22.8	3.12	24.6	22.0	3.19	64.4	77.0	36.0	27.5	1.83	37.9	27.1	2.17	35.3	26.3	2.53	34.2	25.5	2.66	33.0	24.9	2.83	31.9	24.1	2.93	29.9	24.0	3.20	27.9	23.2	3.27	66.2	80.6	37.8	27.5	1.83	37.9	27.1	2.17	35.3	26.3	2.53	34.2	25.5	2.66	33.0	24.9	2.83	31.9	24.1	2.93	29.9	24.0	3.20	27.9	23.2	3.27	71.6	86.0	40.9	28.3	1.84	39.4																																														



Combination Ratings - DDP with RX Units (Cooling Only)

High Speed - RX48PYHC052 + FCUDDP483PC052

ESP	Air Flow Rate m3/h	Air Flow Rate CFM	Indoor Air Temperature												Outdoor Air Temperature (°FDB)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			68.0						77.0						88.6						98.0						104.0						109.4						116.0						125.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
			*FWB	*FDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
150	1803	1061	87.2(14)	88(20)	35.4	27.8	2.52	34.7	27.6	2.98	33.1	26.8	3.48	32.1	26.3	3.66	30.9	25.7	3.90	29.9	25.1	4.03	28.2	24.7	4.40	26.1	23.9	4.49	25.2	23.0	4.58	23.3	22.0	4.65	22.4	21.1	4.71	21.2	20.2	4.76	20.3	19.3	4.81	19.4	18.4	4.86	18.5	17.5	4.91	17.6	16.6	4.96	16.7	15.7	5.01	15.8	14.8	5.06	14.9	13.9	5.11	14.0	13.0	5.16	13.1	12.1	5.21	12.2	11.2	5.26	11.3	10.3	5.31	10.4	9.4	5.36	9.5	8.5	5.41	8.6	7.6	5.46	7.7	6.7	5.51	6.8	5.8	5.56	5.9	5.0	5.61	5.1	4.1	5.66	4.2	3.1	5.71	3.2	2.1	5.76	2.2	1.2	5.81	1.3	0.3	5.86	0.4	-0.7	5.91	-0.2	-1.2	5.96	-0.3	-1.7	6.01	-0.4	-2.2	6.06	-0.5	-2.7	6.11	-0.6	-3.2	6.16	-0.7	-3.7	6.21	-0.8	-4.2	6.26	-0.9	-4.7	6.31	-1.0	-5.2	6.36	-1.1	-5.7	6.41	-1.2	-6.2	6.46	-1.3	-6.7	6.51	-1.4	-7.2	6.56	-1.5	-7.7	6.61	-1.6	-8.2	6.66	-1.7	-8.7	6.71	-1.8	-9.2	6.76	-1.9	-9.7	6.81	-2.0	-10.2	6.86	-2.1	-10.7	6.91	-2.2	-11.2	6.96	-2.3	-11.7	7.01	-2.4	-12.2	7.06	-2.5	-12.7	7.11	-2.6	-13.2	7.16	-2.7	-13.7	7.21	-2.8	-14.2	7.26	-2.9	-14.7	7.31	-3.0	-15.2	7.36	-3.1	-15.7	7.41	-3.2	-16.2	7.46	-3.3	-16.7	7.51	-3.4	-17.2	7.56	-3.5	-17.7	7.61	-3.6	-18.2	7.66	-3.7	-18.7	7.71	-3.8	-19.2	7.76	-3.9	-19.7	7.81	-4.0	-20.2	7.86	-4.1	-20.7	7.91	-4.2	-21.2	7.96	-4.3	-21.7	8.01	-4.4	-22.2	8.06	-4.5	-22.7	8.11	-4.6	-23.2	8.16	-4.7	-23.7	8.21	-4.8	-24.2	8.26	-4.9	-24.7	8.31	-5.0	-25.2	8.36	-5.1	-25.7	8.41	-5.2	-26.2	8.46	-5.3	-26.7	8.51	-5.4	-27.2	8.56	-5.5	-27.7	8.61	-5.6	-28.2	8.66	-5.7	-28.7	8.71	-5.8	-29.2	8.76	-5.9	-29.7	8.81	-6.0	-30.2	8.86	-6.1	-30.7	8.91	-6.2	-31.2	8.96	-6.3	-31.7	9.01	-6.4	-32.2	9.06	-6.5	-32.7	9.11	-6.6	-33.2	9.16	-6.7	-33.7	9.21	-6.8	-34.2	9.26	-6.9	-34.7	9.31	-7.0	-35.2	9.36	-7.1	-35.7	9.41	-7.2	-36.2	9.46	-7.3	-36.7	9.51	-7.4	-37.2	9.56	-7.5	-37.7	9.61	-7.6	-38.2	9.66	-7.7	-38.7	9.71	-7.8	-39.2	9.76	-7.9	-39.7	9.81	-8.0	-40.2	9.86	-8.1	-40.7	9.91	-8.2	-41.2	9.96	-8.3	-41.7	10.01	-8.4	-42.2	10.06	-8.5	-42.7	10.11	-8.6	-43.2	10.16	-8.7	-43.7	10.21	-8.8	-44.2	10.26	-8.9	-44.7	10.31	-9.0	-45.2	10.36	-9.1	-45.7	10.41	-9.2	-46.2	10.46	-9.3	-46.7	10.51	-9.4	-47.2	10.56	-9.5	-47.7	10.61	-9.6	-48.2	10.66	-9.7	-48.7	10.71	-9.8	-49.2	10.76	-9.9	-49.7	10.81	-10.0	-50.2	10.86	-10.1	-50.7	10.91	-10.2	-51.2	10.96	-10.3	-51.7	11.01	-10.4	-52.2	11.06	-10.5	-52.7	11.11	-10.6	-53.2	11.16	-10.7	-53.7	11.21	-10.8	-54.2	11.26	-10.9	-54.7	11.31	-11.0	-55.2	11.36	-11.1	-55.7	11.41	-11.2	-56.2	11.46	-11.3	-56.7	11.51	-11.4	-57.2	11.56	-11.5	-57.7	11.61	-11.6	-58.2	11.66	-11.7	-58.7	11.71	-11.8	-59.2	11.76	-11.9	-59.7	11.81	-12.0	-60.2	11.86	-12.1	-60.7	11.91	-12.2	-61.2	11.96	-12.3	-61.7	12.01	-12.4	-62.2	12.06	-12.5	-62.7	12.11	-12.6	-63.2	12.16	-12.7	-63.7	12.21	-12.8	-64.2	12.26	-12.9	-64.7	12.31	-13.0	-65.2	12.36	-13.1	-65.7	12.41	-13.2	-66.2	12.46	-13.3	-66.7	12.51	-13.4	-67.2	12.56	-13.5	-67.7	12.61	-13.6	-68.2	12.66	-13.7	-68.7	12.71	-13.8	-69.2	12.76	-13.9	-69.7	12.81	-14.0	-70.2	12.86	-14.1	-70.7	12.91	-14.2	-71.2	12.96	-14.3	-71.7	13.01	-14.4	-72.2	13.06	-14.5	-72.7	13.11	-14.6	-73.2	13.16	-14.7	-73.7	13.21	-14.8	-74.2	13.26	-14.9	-74.7	13.31	-15.0	-75.2	13.36	-15.1	-75.7	13.41	-15.2	-76.2	13.46	-15.3	-76.7	13.51	-15.4	-77.2	13.56	-15.5	-77.7	13.61	-15.6	-78.2	13.66	-15.7	-78.7	13.71	-15.8	-79.2	13.76	-15.9	-79.7	13.81	-16.0	-80.2	13.86	-16.1	-80.7	13.91	-16.2	-81.2	13.96	-16.3	-81.7	14.01	-16.4	-82.2	14.06	-16.5	-82.7	14.11	-16.6	-83.2	14.16	-16.7	-83.7	14.21	-16.8	-84.2	14.26	-16.9	-84.7	14.31	-17.0	-85.2	14.36	-17.1	-85.7	14.41	-17.2	-86.2	14.46	-17.3	-86.7	14.51	-17.4	-87.2	14.56	-17.5	-87.7	14.61	-17.6	-88.2	14.66	-17.7	-88.7	14.71	-17.8	-89.2	14.76	-17.9	-89.7	14.81	-18.0	-90.2	14.86	-18.1	-90.7	14.91	-18.2	-91.2	14.96	-18.3	-91.7	15.01	-18.4	-92.2	15.06	-18.5	-92.7	15.11	-18.6	-93.2	15.16	-18.7	-93.7	15.21	-18.8	-94.2	15.26	-18.9	-94.7	15.31	-19.0	-95.2	15.36	-19.1	-95.7	15.41	-19.2	-96.2	15.46	-19.3	-96.7	15.51	-19.4	-97.2	15.56	-19.5	-97.7	15.61	-19.6	-98.2	15.66	-19.7	-98.7	15.71	-19.8	-99.2	15.76	-19.9	-99.7	15.81	-20.0	-100.2	15.86	-20.1	-100.7	15.91	-20.2	-101.2	15.96	-20.3	-101.7	16.01	-20.4	-102.2	16.06	-20.5	-102.7	16.11	-20.6	-103.2	16.16	-20.7	-103.7	16.21	-20.8	-104.2	16.26	-20.9	-104.7	16.31	-21.0	-105.2	16.36	-21.1	-105.7	16.41	-21.2	-106.2	16.46	-21.3	-106.7	16.51	-21.4	-107.2	16.56	-21.5	-107.7	16.61	-21.6	-108.2	16.66	-21.7	-108.7	16.71	-21.8	-109.2	16.76	-21.9	-109.7	16.81	-22.0	-110.2	16.86	-22.1	-110.7	16.91	-22.2	-111.2	16.96	-22.3	-111.7	17.01	-22.4	-112.2	17.06	-22.5	-112.7	17.11	-22.6	-113.2	17.16	-22.7	-113.7	17.21	-22.8	-114.2	17.26	-22.9	-114.7	17.31	-23.0	-115.2	17.36	-23.1	-115.7	17.41	-23.2	-116.2	17.46	-23.3	-116.7	17.51	-23.4	-117.2	17.56	-23.5	-117.7	17.61	-23.6	-118.2	17.66	-23.7	-118.7	17.71	-23.8	-119.2	17.76	-23.9	-119.7	17.81	-24.0	-120.2	17.86	-24.1	-120.7	17.91	-24.2	-121.2	17.96	-24.3	-121.7	18.01	-24.4	-122.2	18.06	-24.5	-122.7	18.11	-24.6	-123.2	18.16	-24.7	-123.7	18.21	-24.8	-124.2	18.26	-24.9	-124.7	18.31	-25.0	-125.2	18.36	-25.1	-125.7	18.41	-25.2	-126.2	18.46	-25.3	-126.7	18.51	-25.4	-127.2	18.56	-25.5	-127.7	18.61	-25.6	-128.2	18.66	-25.7	-128.7	18.71	-25.8	-129.2	18.76	-25.9	-129.7	18.81	-26.0	-130.2	18.86	-26.1	-130.7	18.91	-26.2	-131.2	18.96	-26.3	-131.7	19.01	-26.4	-132.2	19.06	-26.5	-132.7	19.11	-26.6	-133.2	19.16	-26.7	-133.7	19.21	-26.8	-134.2	19.26	-26.9	-134.7	19.31	-27.0	-135.2	19.36	-27.1	-135.7	19.41	-27.2	-136.2	19.46	-27.3	-136.7	19.51	-27.4	-137.2	19.56	-27.5	-137.7	19.61	-27.6	-138.2	19.66	-27.7	-138.7	19.71	-27.8	-139.2	19.76	-27.9	-139.7	19.81	-28.0	-140.2	19.86	-28.1	-140.7	19.91	-28.2	-141.2	19.96	-28.3	-141.7	20.01	-28.4	-142.2	20.06	-28.5	-142.7	20.11	-28.6	-143.2	20.16	-28.7	-143.7	20.21	-28.8	-144.2	20.26	-28.9	-144.7	20.31	-29.0	-145.2	20.36	-29.1	-145.7	20.41	-29.2	-146.2	20.46	-29.3	-146.7	20.51	-29.4	-147.2	20.56	-29.5	-147.7	20.61	-29.6	-148.2	20.66	-29.7	-148.7	20.71	-29.8	-149.2	20.76	-29.9	-149.7	20.81	-30.0	-150.2	20.86	-30.1	-150.7	20.91	-30.2	-151.2	20.96	-30.3	-151.7	21.01	-30.4	-152.2	21.06	-30.5	-152.7	21.11	-30.6	-153.2	21.16	-30.7	-153.7	21.21	-30.8	-154.2	21.26	-30.9	-154.7	21.31	-31.0	-155.2	21.36	-31.1	-155.7	21.41	-31.2	-156.2	21.46	-31.3	-156.7	21.51	-31.4	-157.2	21.56	-31.5	-157.7	21.61	-31.6	-158.2	21.66	-31.7	-158.7	21.71	-31.8	-159.2	21.76	-31.9	-159.7	21.81	-32.0	-160.2	21.86	-32.1	-160.7	21.91	-32.2	-161.2	21.96	-32.3	-161.7	22.01	-32.4	-162.2	22.06	-32.5	-162.7	22.11	-32.6	-163.2	22.16	-32.7	-163.7	22.21	-32.8	-164.2	22.26	-32.9	-164.7	22.31	-33.0	-165.2	22.36	-33.1	-165.7	22.41	-33.2	-166.2	22.46	-33.3	-166.7	22.51	-33.4	-167.2	22.56	-33.5	-167.7	22.61	-33.6	-168.2	22.66	-33.7	-168.7	22.71	-33.8	-169.2	22.76	-33.9	-169.7	22.81	-34.0	-170.2	22.86	-34.1	-170.7	22.91	-34.2	-171.2	22.96	-34.3	-171.7	23.01	-34.4	-172.2	23.06	-34.5	-172.7	23.11	-34.6	-173.2	23.16	-34.7	-173.7	23.21	-34.8	-174.2	23.26	-34.9	-174.7	23.31	-35.0	-175.2	23.36	-35.1	-175.7	23.41	-35.2	-176.2	23.46	-35.3	-176.7	23.51	-35.4	-177.2	23.56	-35.5	-177.7	23.61	-35.6	-178.2	23.66	-35.7	-178.7	23.71	-35.8	-179.2	23.76	-35.9	-179.7	23.81	-36.0	-180.2	23.86	-36.1	-180.7	23.91	-36.2	-181.2	23.96	-36.3	-181.7	24.01	-36.4	-182.2	24.06	-36.5	-182.7	24.11	-36.6	-183.2	24.16	-36.7	-183.7	24.21	-36.8	-184.2	24.26	-36.9	-184.7	24.31	-37.0	-185.2	24.36	-37.1	-185.7	24.41	-37.2	-186.2	24.46	-37.3	-186.7	24.51	-37.4	-187.2	24.56	-37.5	-187.7	24.61	-37.6	-188.2	24.66	-37.7	-188.7	24.71	-37.8	-189.2	24.76	-37.9	-189.7	24.81	-38.0	-190.2	24.86	-38.1	-190.7	24.91	-38.2	-191.2	24.96	-38.3	-191.7	25.01	-38.4	-192.2	25.06	-38.5	-192.7	25.11	-38.6	-193.2	25.16	-38.7

SKM Ducted Mini Split System

RX+DDP

Combination Ratings - DDP with RX Units (Cooling Only)

High Speed - RX60PYHC052 + FCUDDP603PC052

ESP	Air Flow Rate m ³ /h	Air Flow Rate CFM	Indoor Air Temperature		Outdoor Air Temperature (°FDB)																											
			°FDB	°FDB	68.0				77.0				86.0				95.0				104.0				113.0				125.0			
					TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	
150	1931	1136	67.2(14)	68(20)	38.4	30.1	2.77	37.6	29.9	3.28	35.8	29.0	3.82	34.7	28.4	4.03	33.4	27.8	4.29	32.3	27.2	4.43	30.6	26.8	4.80	28.3	25.9	4.90				
			68(16)	71.6(22)	44.8	34.2	2.81	43.8	33.9	3.33	41.8	32.9	3.88	40.5	32.2	4.09	39.0	31.4	4.35	37.7	30.6	4.50	36.4	30.3	4.87	28.8	29.2	4.97				
			63(17.2)	76(24.4)	48.0	36.5	2.94	47.9	36.1	3.37	45.6	35.0	3.93	44.3	34.2	4.14	42.6	33.3	4.40	41.2	32.5	4.55	39.9	32.2	4.92	30.1	31.1	5.03				
			64(18)	77(25)	50.0	37.2	2.85	48.9	36.8	3.38	46.6	35.7	3.94	45.2	34.9	4.15	43.8	34.0	4.42	42.1	33.1	4.56	39.8	32.8	4.94	30.9	31.7	5.04				
			66.2(19)	80.8(27)	52.3	38.5	2.90	51.2	38.0	3.44	48.6	36.8	4.01	47.3	36.0	4.22	45.6	35.1	4.49	44.1	34.1	4.64	40.6	33.1	4.96	31.7	31.9	5.06				
			67(19.4)	82(28)	53.3	39.2	2.91	52.2	37.8	3.45	49.7	36.6	4.02	48.2	36.8	4.23	46.4	34.9	4.50	44.9	33.9	4.65	41.2	33.0	5.01	32.2	31.9	5.12				
			66.2(19)	84.2(29)	53.6	39.1	2.91	52.4	38.6	3.45	50.0	37.3	4.02	48.5	36.5	4.24	46.7	35.5	4.51	45.1	34.6	4.66	41.4	33.5	5.03	32.4	32.7	5.13				
			71.6(22)	86(30)	57.4	40.9	2.94	56.2	40.3	3.48	53.5	38.9	4.06	51.9	38.0	4.28	50.0	36.9	4.55	48.4	35.9	4.70	45.6	35.8	5.10	34.2	34.5	5.20				
			76.2(24)	88(32)	59.6	41.9	2.98	58.3	40.9	3.53	55.6	39.5	4.12	53.9	38.5	4.34	51.9	37.4	4.62	50.2	36.4	4.77	47.1	36.2	5.16	34.7	35.0	5.27				
			64(18)	86(30)	40.2	32.4	2.83	39.4	32.1	3.35	37.5	31.2	3.90	36.4	30.6	4.11	35.1	29.9	4.27	33.9	29.2	4.52	32.0	28.8	4.89	29.7	27.8	5.00				
			66.2(19)	71.6(22)	45.9	36.8	2.87	46.0	36.4	3.40	43.8	35.4	3.96	42.5	34.6	4.18	40.9	33.8	4.44	39.6	32.9	4.59	37.1	32.6	4.96	34.4	31.4	5.07				
			63(17.2)	76(24.4)	51.3	39.2	2.90	50.2	38.8	3.44	47.8	37.6	4.01	46.4	36.8	4.23	44.7	35.9	4.50	43.2	34.9	4.64	40.8	34.6	5.02	37.8	33.4	5.13				
64(18)	77(25)	52.4	40.0	2.91	51.3	39.6	3.45	48.9	38.3	4.03	47.4	37.5	4.24	45.6	36.6	4.51	44.1	35.6	4.65	41.7	35.3	5.03	38.7	34.1	5.14							
66.2(19)	80.8(27)	54.8	41.4	2.96	53.7	40.9	3.51	51.1	39.6	4.09	49.6	38.7	4.31	47.8	37.7	4.59	46.2	36.7	4.74	42.1	35.6	5.06	39.1	34.4	5.16							
67(19.4)	82(28)	55.9	41.1	2.97	54.7	40.6	3.52	52.2	39.3	4.10	50.6	38.4	4.32	48.7	37.5	4.60	47.1	36.5	4.75	43.2	35.5	5.11	40.0	34.3	5.22							
66.2(19)	84.2(29)	56.2	42.0	2.97	55.0	41.5	3.52	52.4	40.2	4.11	50.9	39.3	4.33	49.0	38.2	4.60	47.4	37.2	4.75	43.4	36.4	5.13	40.3	35.2	5.23							
71.6(22)	86(30)	60.2	43.9	3.00	58.9	43.3	3.56	56.1	41.8	4.16	54.4	40.9	4.37	52.4	39.7	4.69	50.7	38.6	4.80	47.7	38.4	5.19	44.2	37.1	5.31							
76.2(24)	88(32)	62.4	44.8	3.04	61.1	44.0	3.61	58.2	42.6	4.21	56.5	41.4	4.43	54.4	40.2	4.71	52.6	39.1	4.87	49.4	39.0	5.25	45.8	37.6	5.38							
67(19.4)	84.2(29)	41.5	34.0	2.85	40.7	33.7	3.38	39.2	32.8	3.94	37.6	32.1	4.15	36.2	31.4	4.41	35.0	30.6	4.65	33.0	30.2	4.93	30.6	29.2	5.04							
68(16)	71.6(22)	48.5	38.9	2.89	47.4	38.2	3.43	45.7	37.1	4.00	43.9	36.3	4.21	42.2	35.5	4.48	40.8	34.6	4.63	38.3	34.2	5.00	35.6	33.0	5.11							
63(17.2)	76(24.4)	53.9	41.9	2.93	51.4	40.7	3.47	49.4	38.6	4.06	47.7	38.5	4.29	46.1	37.6	4.53	44.6	36.7	4.68	42.1	36.3	5.06	39.1	35.1	5.17							
64(18)	77(25)	54.1	42.0	2.94	52.9	41.5	3.48	50.4	40.2	4.06	48.9	39.3	4.27	47.1	38.4	4.55	45.6	37.4	4.70	45.0	37.0	5.07	39.9	35.8	5.18							
66.2(19)	80.8(27)	56.6	43.4	2.99	55.4	42.9	3.54	52.8	41.6	4.13	51.2	40.6	4.36	49.3	39.6	4.62	47.7	38.5	4.78	43.5	37.4	5.10	40.4	36.1	5.21							
67(19.4)	82(28)	57.8	43.9	2.99	56.6	43.6	3.55	53.9	42.3	4.14	52.3	40.3	4.38	50.4	39.3	4.64	48.7	39.2	4.79	44.6	37.3	5.13	40.7	36.9	5.26							
66.2(19)	84.2(29)	58.1	44.2	3.00	56.9	43.6	3.55	54.2	42.2	4.14	52.6	41.2	4.36	50.7	40.2	4.64	49.0	39.1	4.79	44.8	38.2	5.17	41.6	36.9	5.28							
71.6(22)	86(30)	62.1	46.0	3.02	60.8	45.4	3.58	57.9	43.9	4.18	56.2	42.4	4.40	54.1	41.7	4.68	52.3	40.0	4.84	48.2	40.4	5.24	43.7	39.0	5.34							
76.2(24)	88(32)	64.5	46.8	3.07	63.1	46.2	3.64	60.1	44.8	4.24	58.3	43.6	4.47	56.2	42.2	4.76	54.3	41.0	4.91	49.1	41.0	5.31	47.3	40.5	5.42							
67(19.4)	84.2(29)	42.2	34.8	2.88	41.3	34.5	3.42	39.3	33.6	3.98	38.2	32.9	4.20	36.7	32.2	4.46	35.5	31.4	4.61	33.5	31.0	4.99	31.1	29.9	5.10							
68(16)	71.6(22)	49.2	38.9	2.93	47.9	38.4	3.47	46.9	38.0	4.05	45.9	37.2	4.28	43.9	36.4	4.53	41.9	35.9	4.68	39.7	35.0	5.07	34.4	33.8	5.17							
63(17.2)	76(24.4)	53.0	42.2	2.96	51.4	41.7	3.51	50.2	40.6	4.08	48.7	39.5	4.31	46.9	38.6	4.59	45.3	37.6	4.74	42.7	37.2	5.12	38.7	35.9	5.23							
64(18)	77(25)	54.9	43.0	2.97	53.7	42.6	3.52	51.2	41.2	4.11	49.7	40.3	4.33	47.8	39.3	4.60	46.3	38.3	4.75	43.7	37.9	5.14	40.6	36.6	5.25							
66.2(19)	80.8(27)	57.5	44.9	3.02	56.2	44.0	3.58	53.6	42.6	4.16	52.0	41.6	4.40	50.1	40.5	4.68	48.4	39.5	4.83	44.9	38.6	5.20	41.6	37.4	5.31							
67(19.4)	82(28)	58.9	45.2	3.03	57.6	44.9	3.59	54.9	43.2	4.19	53.2	41.9	4.41	51.2	41.3	4.69	49.5	39.2	4.85	45.4	38.6	5.21	42.1	37.3	5.33							
66.2(19)	84.2(29)	59.1	45.3	3.03	57.9	44.7	3.60	55.2	43.3	4.19	53.5	42.3	4.42	51.5	41.2	4.70	49.8	40.1	4.85	45.6	39.2	5.23	42.2	37.8	5.34							
71.6(22)	86(30)	63.1	47.2	3.05	61.7	46.6	3.63	58.8	45.0	4.23	57.1	43.9	4.46	54.6	42.7	4.74	53.1	41.6	4.90	49.9	41.5	5.30	43.6	39.9	5.41							
76.2(24)	88(32)	65.4	48.0	3.11	64.1	47.3	3.68	61.8	45.8	4.29	59.2	44.6	4.52	57.0	43.3	4.81	55.2	42.1	4.94	51.8	41.9	5.37	45.0	40.5	5.48							
67(19.4)	84.2(29)	42.8	35.7	2.89	41.9	35.4	3.43	39.9	34.4	4.00	38.7	33.7	4.21	37.3	32.9	4.48	36.1	32.2	4.63	34.0	31.7	5.01	31.6	30.6	5.12							
68(16)	71.6(22)	49.6	40.5	2.94	48.9	40.1	3.48	46.6	38.8	4.06	45.6	38.8	4.28	43.9	37.2	4.55	42.1	36.3	4.70	39.3	35.9	5.09	36.6	34.6	5.19							
63(17.2)	76(24.4)	54.3	43.2	2.97	53.4	42.7	3.53	50.9	41.4	4.11	49.7	40.1	4.31	48.0	39.4	4.54	46.3	38.4	4.66	41.4	36.1	5.14	37.3	36.9	5.29							
64(18)	77(25)	55.7	44.1	2.98	54.6	43.6	3.54	52.0	42.2	4.12	50.4	41.3	4.34	48.6	40.2	4.62	47.0	39.2	4.77	44.4	38.8	5.16	41.1	37.5	5.27							
66.2(19)	80.8(27)	58.3	45.9	3.03	57.1	45.0	3.60	54.4	43.6	4.16	52.8	42.6	4.42	50.8	41.5	4.70	49.2	40.4	4.85	46.0	39.5	5.19	41.7	37.9	5.36							
67(19.4)	82(28)	59.9	46.2	3.04	58.7	44.7	3.61	55.9	43.8	4.17	54.1	42.8	4.43	52.2	41.3	4.72	50.5	40.7	4.86	46.4	39.6	5.24	42.6	37.9	5.38							
66.2(19)	84.2(29)	60.3	46.5	3.05	59.0	46.0	3.61	56.3	44.5	4.21	54.6	43.4	4.44	52.6	42.3	4.72	50.8	41.2	4.88	46.2	40.4	5.25	42.8	38.7	5.36							



Electrical Data - RX & DDP

Indoor Unit

Model	Power Supply	Fan Motor FLA	Fuse/Breaker Capacity	Min. Power Supply Cord
	V/Ph/Hz	A	A	mm ²
FCUDDP183PC052	220-240/1/50	0.36	5	3x2.5
FCUDDP243PC052		0.75	5	3x1.5
FCUDDP303PC052		2.45	5	3x1.5
FCUDDP363PC052		2.45	5	3x1.5
FCUDDP483PC052		2.1	5	3x1.5
FCUDDP603PC052		2.1	5	3x1.5

Table 15

Outdoor Unit

Model	Compressor				Fan Motor	Fuse/Breaker Capacity	Min. Power Supply Cord
	Power Supply	Qty	RLA	LRA			
	V/Ph/Hz	-	A	A			
RX18PS1HC052	220-240/1/50	1	6.9	35	0.6	/	3x2.5
RX24PS1HC052		1	8.5	48	0.73	/	3x2.5
RX30PS1HC052		1	9.4	55	0.73	/	3x4
RX36PS1HC052		1	12.05	53	0.75	/	3x4
RX48PYHC052	380-415/3/50	1	7.00	63	2x0.58	5	5x2.5
RX60PYHC052		1	7.20	63	2x0.58	5	5x2.5

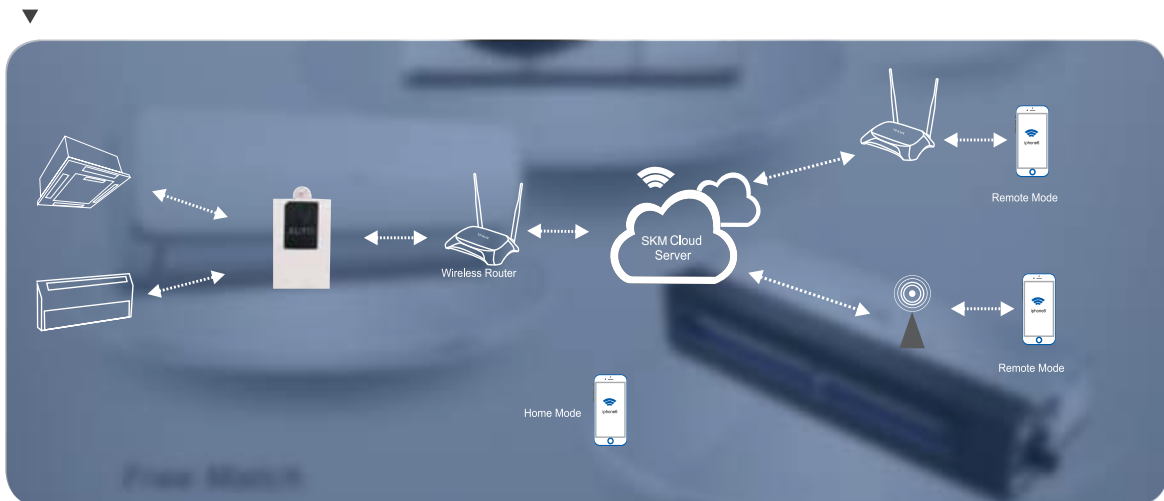
Table 16

Notes:

1. The specifications of the breaker and power cable listed in the table above are determined based on the Maximum Power (Maximum Amps) of the unit.
2. The specifications of the power cable are applied to the conduit-guarded multiwire copper cable (like, YJV copper cable, consisting of PE insulated wires and a PVC cable jacket) used at 40°C and resistible to 90°C (see IEC 60364-5-52). If the working condition changes, they should be modified according to the related national standard.
3. The specifications of the breaker listed in the table above are applied to the breaker with the working temperature at 40°C. If the working condition changes, they should be modified according to the related national standard.

Smart Control -WIFI Module and AC freedom App

Smart control WIFI Module connection diagram



WiFi module (for RX+DDP (052))	
Dimension	70×46×15.6mm
Powersupply	DC 12V
Introduction	Control only 1 IDU

AC freedom APP User Interface

▼ Remark

1. Wireless Router (field supplied) is necessary to be connected to achieve remote control
2. AC freedom APP can be search and download from APP store or Google store
3. Remote control indoor units mode, fan speed, set temperature, swing, timing ...



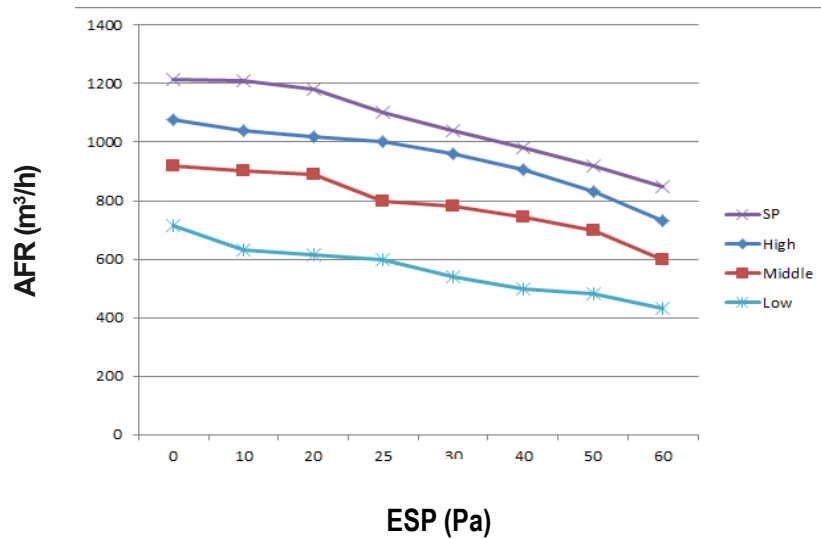
Thermostat

SKM Wired Controller is a wall mounted decorative type controller, with large LCD and back light. The touch buttons are provided for power on/off, fan speed selection, cooling or heating mode selection, set point adjustment, sleep mode function, air swing mode and timer function for the comfort of the user. Apart from that the large display provides the user icons of the functions that is currently active for easy reference.

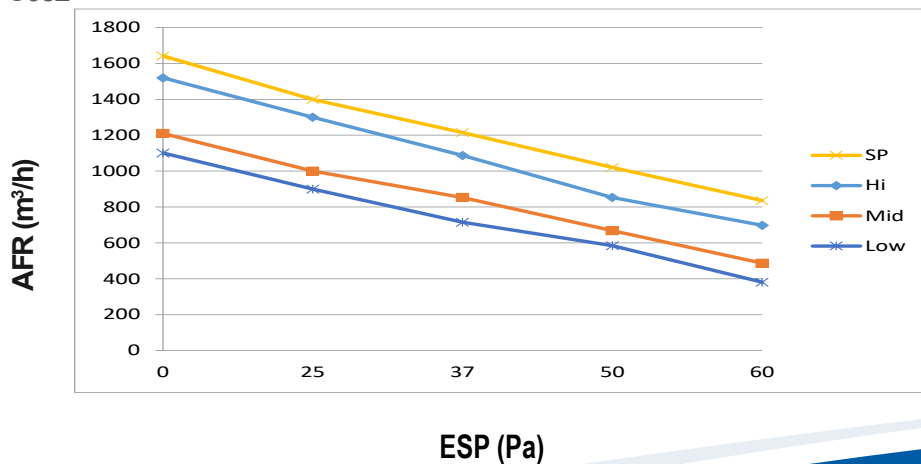


Fan Performance (Cooling Only)

FCUDDP183PC052

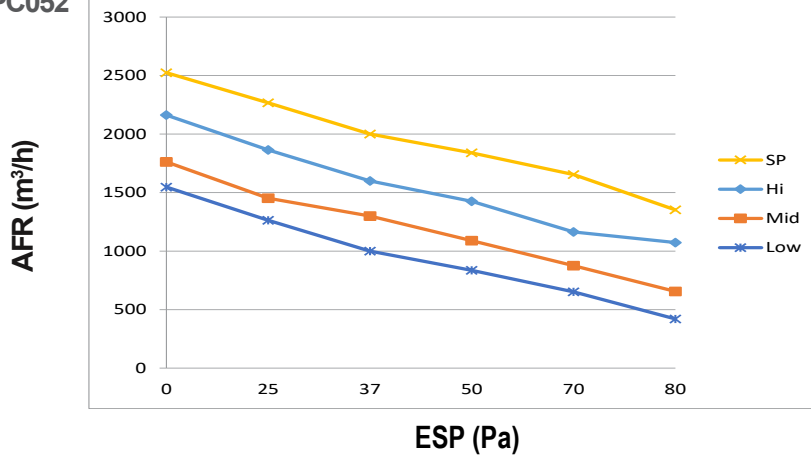


FCUDDP243PC052

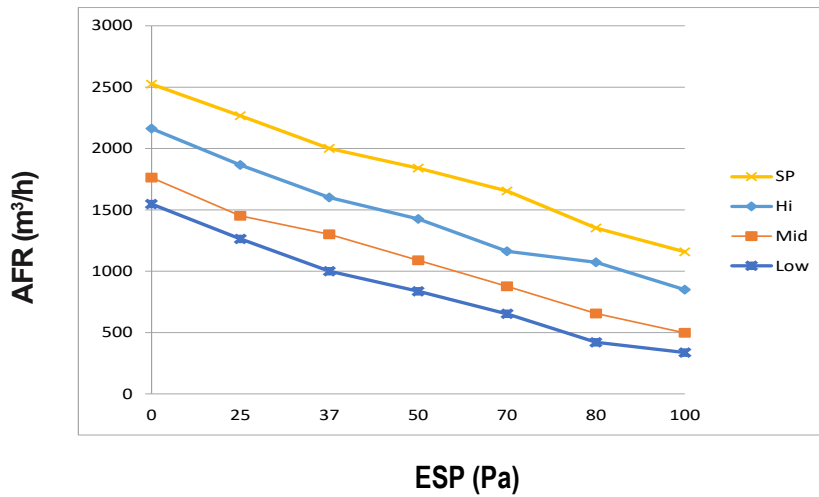


Fan Performance (Cooling Only)

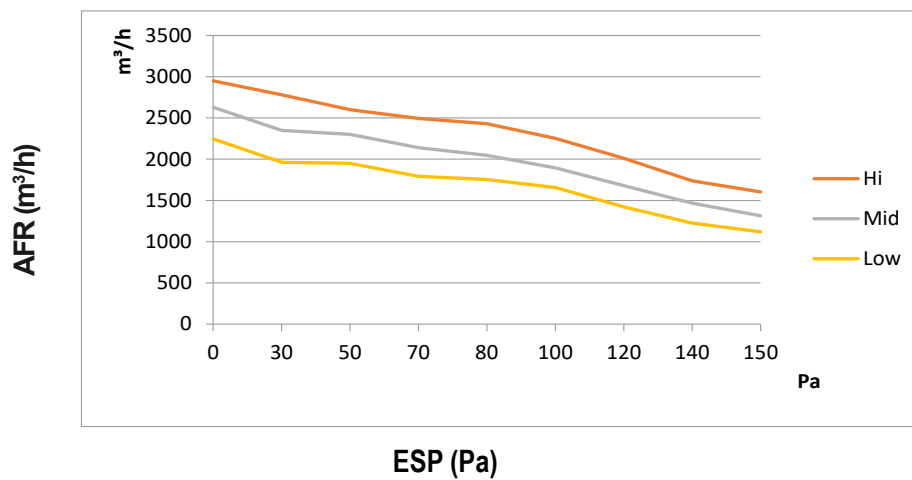
FCUDDP303PC052



FCUDDP363PC052



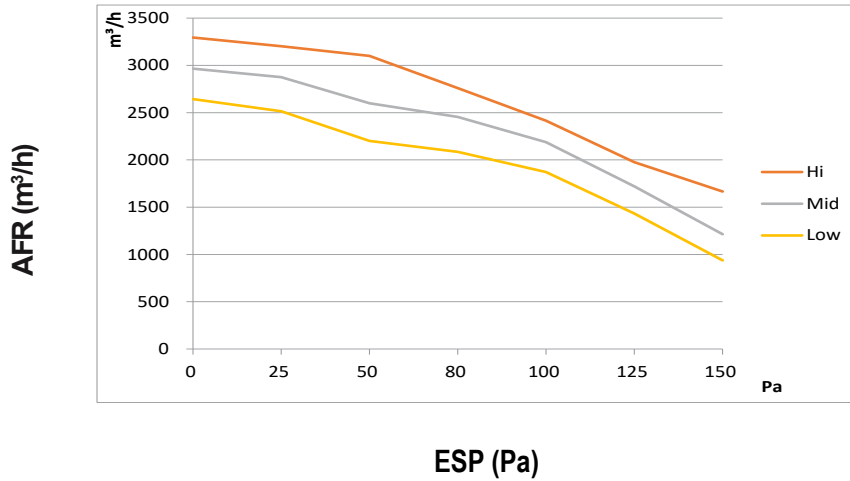
FCUDDP483PC052





Fan Performance (Cooling Only)

FCUDDP603PC052



Recommended Suction and Liquid Line length

Model	Max. Length	Max. Height
RX	meter	
18PS1HC052	30	15
24PS1HC052	30	15
30PS1HC052	30	15
36PS1HC052	50	30
48PYHC052	50	30
60PYHC052	50	30

Table 17

Above table is applicable regardless if indoor unit is above outdoor unit or vice versa.

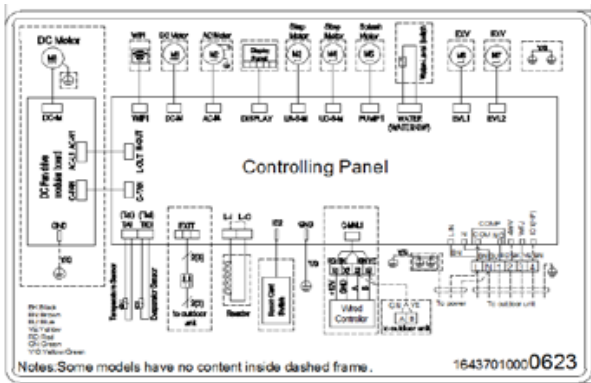
Refrigerant Piping

Correct design and size of refrigerant piping is necessary for proper operation. The refrigerant piping generally should be designed to accomplish the following:

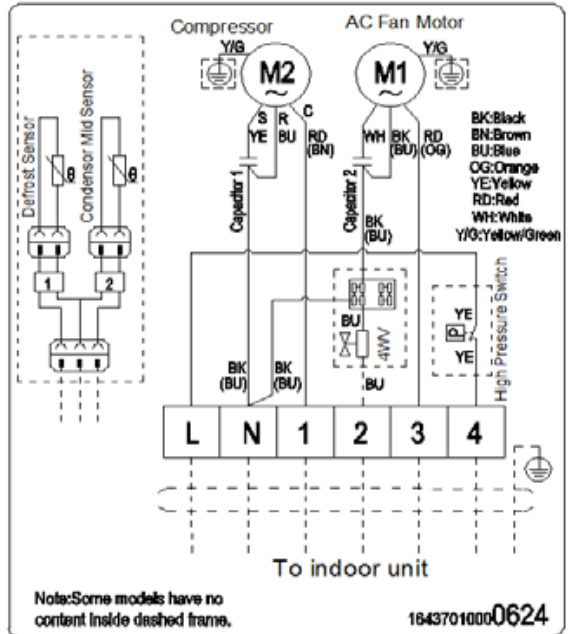
- To ensure proper refrigerant feed to the evaporator.
- To provide practical refrigerant line sizes without excessive pressure drop.
- To maintain uniform return of lubricating oil to the compressor.
- To prevent refrigerant from entering the compressor and causing compressor damage due to "slugging".

Typical Wiring Diagram :

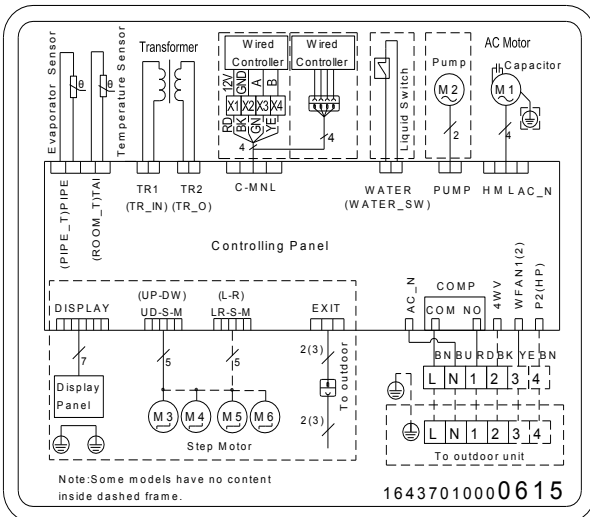
FCUDDP183PC052



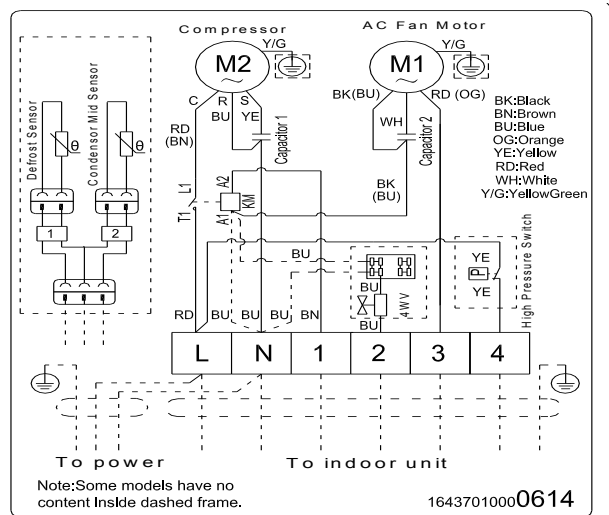
RX18PS1HC052



FCUDDP243PC052



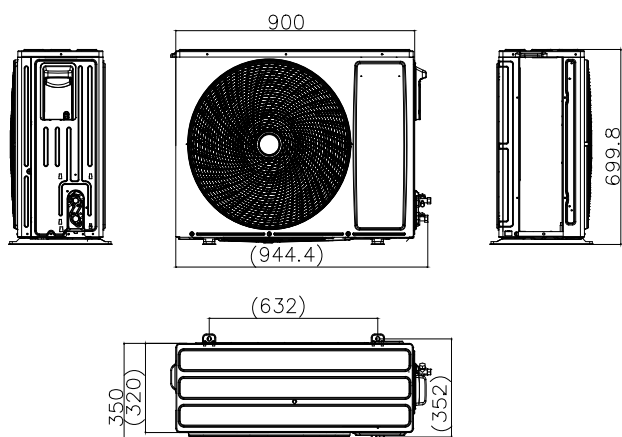
RX24PS1HC052/ RX30PS1HC052



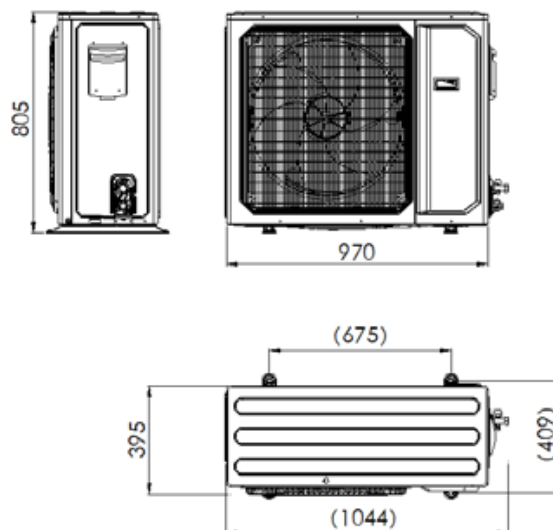


Dimensional Data

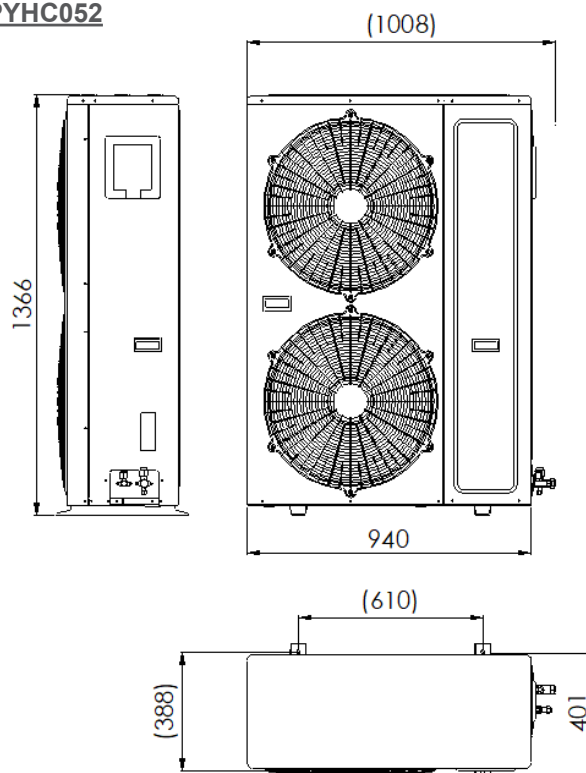
OUTDOOR UNITS RX24PS1HC052 & RX30PS1HC052



OUTDOOR UNITS RX36PS1HC052



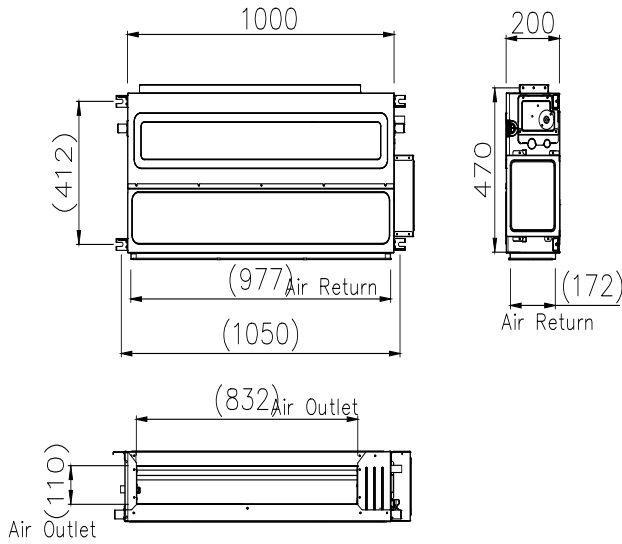
OUTDOOR UNITS RX48PYHC052 & RX60PYHC052



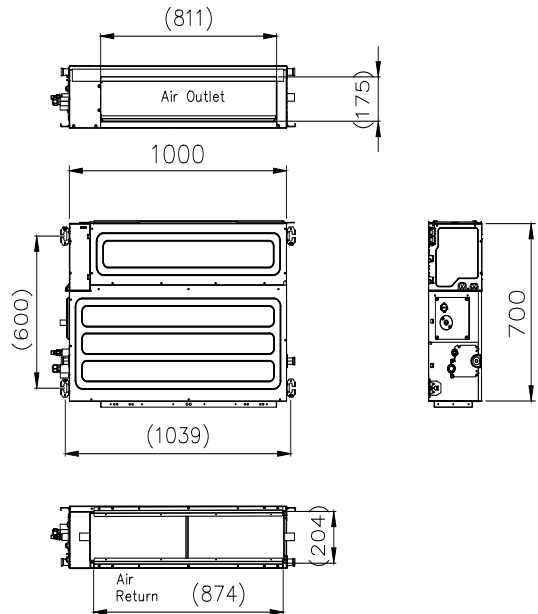
Dimensional Data

INDOOR UNITS

FCUDDP183PC052

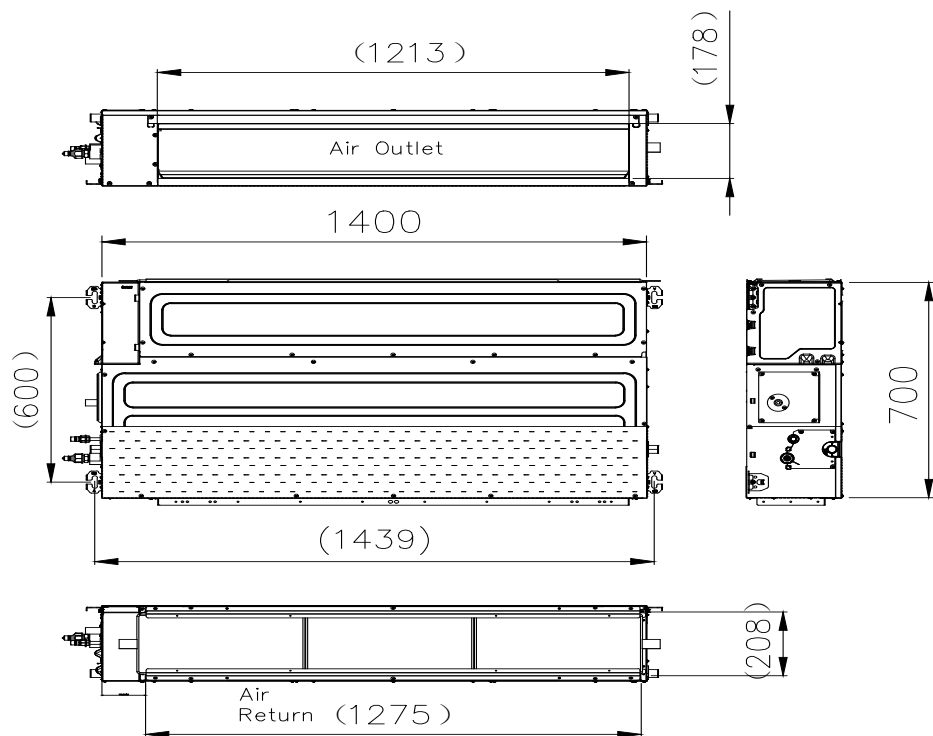


FCUDDP243PC052



INDOOR UNITS

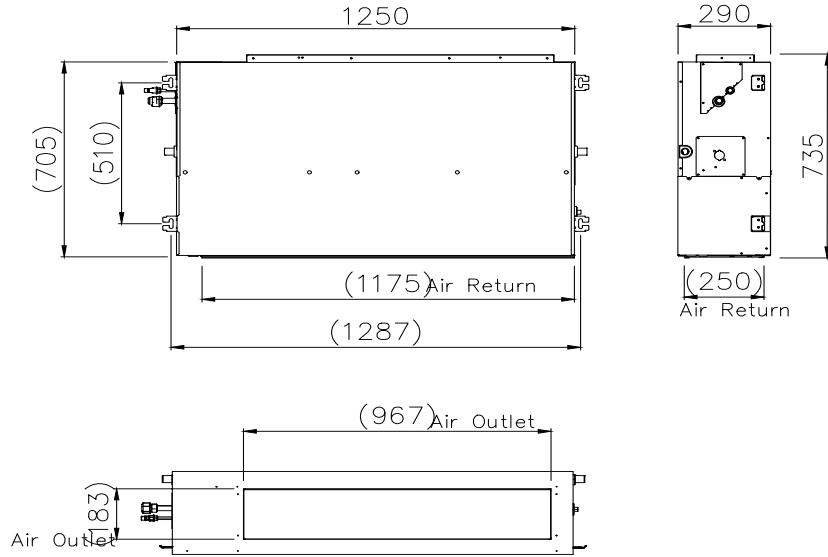
FCUDDP303PC052 & FCUDDP363PC052



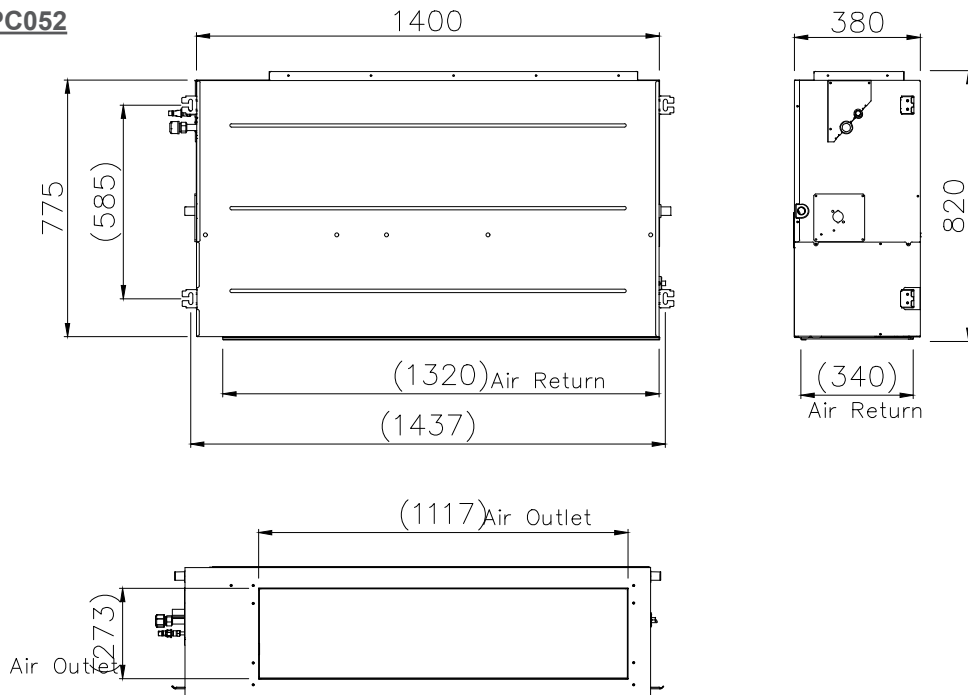


Dimensional Data

INDOOR UNITS FCUDDP483PC052



INDOOR UNITS FCUDDP603PC052



GUIDE SPECIFICATIONS

Ducted mini split Air Conditioning system shall be composed of a compact design indoor fan coil unit and floor or Rooftop mounted outside air cooled condensing unit.

CONDENSING UNIT:

The condensing unit shall be composed of compressor, condenser, coil, condenser fan, motor and the metering device.

CONDENSER COIL

The condenser coil shall be air cooled constructed of high efficiency inner grooved copper tube mechanically expanded into high efficiency pre coated Aluminum fins and tested against leakage by high pressure under water.

COMPRESSOR

Compressor shall be hermetic Rotary & Scroll types, refrigerant gas cooled, furnished with internal high temperature motor overload protection device.

CONDENSER FAN

For Side discharge air delivery, the fan shall be equipped with statically and dynamically balanced hard plastic blades, and inherent corrosion resistant shaft. Complete fan assembly is mounted Sideward on the strong plastic fan guard.

INDOOR UNIT:

The indoor unit shall be composed of evaporator coil, fan motor assembly.

EVAPORATOR COIL

Evaporator coil shall be constructed of high efficiency copper tubes, mechanically bonded to Aluminum fins.

EVAPORATOR FAN

Fan shall be double inlet, double width, direct driven with centrifugal type wheel. Fan wheel shall be with multi forward curved blades.

MOTOR

Motor shall be single phase, 3 speed permanent split capacitor type, suitable for 220-240V/1Ph/50Hz. Highly efficient with integral thermal protection.

