CONFIDENTIAL

MULTI V™ 5

AIR CONDITIONER

SERVICE MANUAL

(Exploded View)

MODEL : ARUM***LTE5

CAUTION

Before Servicing the unit, read the safety precautions in General SVC manual.
Only for authorized service personnel.

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ARUM***LTE5

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1. Specifications (For Europe)

50Hz/60Hz

HP			8	10	12
Model Name	Combination Unit		ARUM080LTE5	ARUM100LTE5	ARUM120LTE5
	Independent Unit		ARUM080LTE5	ARUM100LTE5	ARUM120LTE5
Capacity	Cooling (Rated)	kW	22.4	28	33.6
		kcal/h	19,300	24,100	28,900
		Btu/h	76,400	95,500	114,600
	Heating (Rated)	kW	22.4	28	33.6
		kcal/h	19,300	24,100	28,900
		Btu/h	76,400	95,500	114,600
	Heating (Max)	kW	25.2	31.5	37.8
		kcal/h	21,700	27,100	32,500
		Btu/h	86,000	107,500	129,000
Input	Cooling (Rated)	kW	4.49	5.8	7.58
	Heating (Rated)	kW	3.97	4.92	6.85
	Heating (Max)	kW	4.78	5.92	8.26
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	43.8	62.1	62.1
	Number of Revolution	rev/min	3,600	3,600	3,600
	Motor Output x Number	W x No.	4,200 x 1	5,300 x 1	5,300 x 1
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	2400	2400	2400
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	1,200 x 1	1,200 x 1	1,200 x 1
	Air Flow Rate(High)	m3/min	240 x 1	240 x 1	240 x 1
		ft3/min	8,476 x 1	8,476 x 1	8,476 x 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)
	Low Pressure Gas Pipe	mm(inch)	19.05(3/4)	22.2(7/8)	28.58(1-1/8)
	High Pressure Gas Pipe	mm(inch)	15.88(5/8)	19.05(3/4)	19.05(3/4)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)
	Gas Pipe	mm(inch)	19.05(3/4)	22.2(7/8)	28.58(1-1/8)
Dimensions(W x H x D)		mm	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1
		inch	(36-5/8 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	198 x 1	215 x 1	215 x 1
		lbs	437 x 1	474 x 1	474 x 1
Sound Pressure Level	Cooling	dB(A)	58	58	59
	Heating	dB(A)	59	59	60
Sound Power Level	Cooling	dB(A)	77	78	79
	Heating	dB(A)	78	79	80
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	7.5	9.5	9.5
	in factory	lbs	16.5	20.9	20.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			14	16	18
Model Name	Combination Unit		ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
	Independent Unit		ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
Capacity	Cooling (Rated)	kW	39.2	44.8	50.4
		kcal/h	33,700	38,500	43,300
		Btu/h	133,800	152,900	172,000
	Heating (Rated)	kW	39.2	44.8	50.4
		kcal/h	33,700	38,500	43,300
		Btu/h	133,800	152,900	172,000
	Heating (Max)	kW	44.1	50.4	56.7
		kcal/h	37,900	43,300	48,800
		Btu/h	150,500	172,000	193,500
Input	Cooling (Rated)	kW	8.68	10.89	10.91
	Heating (Rated)	kW	8.13	10.28	10.12
	Heating (Max)	kW	9.72	12.39	11.94
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1	62.1	62.1 × 1 + 43.8 × 1
	Number of Revolution	rev/min	3,600	3,600	3,600 × 2
	Motor Output x Number	W × No.	5,300 × 1	5,300 × 1	5,300 × 1 + 4,200 × 1
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	2400	2400	2800
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 2	900 × 2	900 × 2
	Air Flow Rate(High)	m3/min	320 × 1	320 × 1	320 × 1
		ft3/min	1,1301 × 1	1,1301 × 1	1,1301 × 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Low Pressure Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
	High Pressure Gas Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
Dimensions(W × H × D)		mm	(1,240 × 1,690 × 760)×1	(1,240 × 1,690 × 760)×1	(1,240 × 1,690 × 760)×1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	237 × 1	237 × 1	300 × 1
		lbs	522 × 1	522 × 1	661 × 1
Sound Pressure Level	Cooling	dB(A)	60	60.5	61
	Heating	dB(A)	61	61.5	62
Sound Power Level	Cooling	dB(A)	82	83	85
	Heating	dB(A)	84	85	86
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.xmm^2(VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	13.5	13.5	16
	in factory	lbs	29.8	29.8	35.3
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			14	16	18
Model Name	Combination Unit		ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
	Independent Unit		ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
Capacity	Cooling (Rated)	kW	39.2	44.8	50.4
		kcal/h	33,700	38,500	43,300
		Btu/h	133,800	152,900	172,000
	Heating (Rated)	kW	39.2	44.8	50.4
		kcal/h	33,700	38,500	43,300
		Btu/h	133,800	152,900	172,000
	Heating (Max)	kW	44.1	50.4	56.7
		kcal/h	37,900	43,300	48,800
		Btu/h	150,500	172,000	193,500
Input	Cooling (Rated)	kW	8.68	10.89	10.91
	Heating (Rated)	kW	8.18	10.44	9.87
	Heating (Max)	kW	9.75	12.5	11.66
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1	62.1	62.1 x 1 + 43.8 x 1
	Number of Revolution	rev/min	3,600	3,600	3,600 x 2
	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1	5,300 x 1 + 4,200 x 1
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	2400	2400	2800
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 2	900 x 2	900 x 2
	Air Flow Rate(High)	m3/min	320 x 1	320 x 1	320 x 1
		ft3/min	1,1301 x 1	1,1301 x 1	1,1301 x 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Low Pressure Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
	High Pressure Gas Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
Dimensions(W x H x D)		mm	(1,240 x 1,690 x 760)x1	(1,240 x 1,690 x 760)x1	(1,240 x 1,690 x 760)x1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	237 x 1	237 x 1	300 x 1
		lbs	522 x 1	522 x 1	661 x 1
Sound Pressure Level	Cooling	dB(A)	60	60.5	61
	Heating	dB(A)	61	61.5	62
Sound Power Level	Cooling	dB(A)	82	83	85
	Heating	dB(A)	84	85	86
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	13.5	13.5	16
	in factory	lbs	29.8	29.8	35.3
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			20	22	22
Model Name	Combination Unit		ARUM200LTE5	ARUM220LTE5	ARUM221LTE5
	Independent Unit		ARUM200LTE5	ARUM220LTE5	ARUM120LTE5
					ARUM100LTE5
Capacity	Cooling (Rated)	kW	56	61.6	61.6
		kcal/h	48,100	53,000	53,000
		Btu/h	191,100	210,200	210,200
	Heating (Rated)	kW	56	61.6	61.6
		kcal/h	48,100	53,000	53,000
		Btu/h	191,100	210,200	210,200
	Heating (Max)	kW	63	69.3	69.3
		kcal/h	54,200	59,600	59,600
		Btu/h	215,000	236,500	236,500
Input	Cooling (Rated)	kW	12.77	15.7	13.4
	Heating (Rated)	kW	12.2	14.15	12.1
	Heating (Max)	kW	14.69	16.76	14.8
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 x 1 + 43.8 x 1	62.1 x 1 + 43.8 x 1	62.1 x 2
	Number of Revolution	rev/min	3,600 x 2	3,600 x 2	3,600 x 2
	Motor Output x Number	W x No.	5,300 x 1 + 4,200 x 1	5,300 x 1 + 4,200 x 1	5,300 x 2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	2800	2800	4800
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 2	900 x 2	(1200 x 1) + (1,200 x 1)
	Air Flow Rate(High)	m3/min	320 x 1	320 x 1	(240 x 1) + (240 x 1)
		ft3/min	1,1301 x 1	1,1301 x 1	(8,476 x 1) + (8,476 x 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Low Pressure Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
	High Pressure Gas Pipe	mm(inch)	22.2(7/8)	28.58(1-1/8)	28.58(1-1/8)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
Dimensions(W x H x D)		mm	(1,240 x 1,690 x 760)x1	(1,240 x 1,690 x 760)x1	(930 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	300 x 1	300 x 1	(215 x 1) + (215 x 1)
		lbs	661 x 1	661 x 1	(474 x 1) + (474 x 1)
Sound Pressure Level	Cooling	dB(A)	62	64.5	61.5
	Heating	dB(A)	64.5	65.5	62.5
Sound Power Level	Cooling	dB(A)	86	86	81.5
	Heating	dB(A)	87	88	82.5
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	16	16	19
	in factory	lbs	35.3	35.3	41.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			24	24	26
Model Name	Combination Unit		ARUM240LTE5	ARUM241LTE5	ARUM260LTE5
	Independent Unit		ARUM240LTE5	ARUM120LTE5	ARUM260LTE5
				ARUM120LTE5	
Capacity	Cooling (Rated)	kW	67.2	67.2	72.8
		kcal/h	57,800	57,800	62,600
		Btu/h	229,300	229,300	248,400
	Heating (Rated)	kW	67.2	67.2	67.2
		kcal/h	57,800	57,800	57,800
		Btu/h	229,300	229,300	229,300
	Heating (Max)	kW	74.3	75.6	74.3
		kcal/h	63,800	65,000	63,800
		Btu/h	253,400	257,900	253,400
Input	Cooling (Rated)	kW	17.4	15.2	20.2
	Heating (Rated)	kW	15.89	14.4	15.99
	Heating (Max)	kW	18.8	17.7	19.15
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 x 2	62.1 x 2	62.1 x 2
	Number of Revolution	rev/min	3,600 x 2	3,600 x 2	3,600 x 2
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	5,300 x 2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	2800	4800	2800
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 2	(1200 x 1) + (1,200 x 1)	900 x 2
	Air Flow Rate(High)	m3/min	320 x 1	(240 x 1) + (240 x 1)	320 x 1
		ft3/min	1,1301 x 1	(8,476 x 1) + (8,476 x 1)	1,1301 x 1
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	15.88(5/8)	15.88(5/8)	19.05(3/4)
	Low Pressure Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
	High Pressure Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	15.88(5/8)	15.88(5/8)	19.05(3/4)
	Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
Dimensions(W x H x D)		mm	(1,240 x 1,690 x 760)x1	(930 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760)x1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	310 x 1	(215 x 1) + (215 x 1)	310 x 1
		lbs	683 x 1	(474 x 1) + (474 x 1)	683 x 1
Sound Pressure Level	Cooling	dB(A)	65	62	65
	Heating	dB(A)	67	63	67
Sound Power Level	Cooling	dB(A)	88	82	88
	Heating	dB(A)	90	83	90
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	17	19	17
	in factory	lbs	37.5	41.9	37.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			26	28	30
Model Name	Combination Unit		ARUM260LTE5	ARUM280LTE5	ARUM300LTE5
	Independent Unit		ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
			ARUM120LTE5	ARUM120LTE5	ARUM120LTE5
Capacity	Cooling (Rated)	kW	72.8	78.4	84
		kcal/h	62,600	67,400	72,200
		Btu/h	248,400	267,500	286,600
	Heating (Rated)	kW	72.8	78.4	84
		kcal/h	62,600	67,400	72,200
		Btu/h	248,400	267,500	286,600
	Heating (Max)	kW	81.9	88.2	94.5
		kcal/h	70,400	75,800	81,300
		Btu/h	279,400	300,900	322,400
Input	Cooling (Rated)	kW	16.3	18.5	18.5
	Heating (Rated)	kW	15	17.1	17
	Heating (Max)	kW	18	20.7	20.2
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 x 2	62.1 x 2	(62.1 x 2) + (43.8 x 1)
	Number of Revolution	rev/min	3,600 x 2	3,600 x 2	3,600 x 3
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	(5,300 x 2) + (4,200 x 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	4800	4800	5200
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)
	Air Flow Rate(High)	m3/min	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)
		ft3/min	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
	High Pressure Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
Dimensions(W x H x D)		mm	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	(237 x 1) + (215 x 1)	(237 x 1) + (215 x 1)	(300 x 1) + (215 x 1)
		lbs	(522 x 1) + (474 x 1)	(522 x 1) + (474 x 1)	(661 x 1) + (474 x 1)
Sound Pressure Level	Cooling	dB(A)	62.5	62.8	63.1
	Heating	dB(A)	63.5	63.8	64.1
Sound Power Level	Cooling	dB(A)	83.8	84.5	86
	Heating	dB(A)	85.5	86.2	87
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	23	23	25.5
	in factory	lbs	50.7	50.7	56.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			32	34	36
Model Name	Combination Unit		ARUM320LTE5	ARUM340LTE5	ARUM360LTE5
	Independent Unit		ARUM200LTE5	ARUM220LTE5	ARUM240LTE5
			ARUM120LTE5	ARUM120LTE5	ARUM120LTE5
Capacity	Cooling (Rated)	kW	89.6	95.2	100.8
		kcal/h	77,000	81,900	86,700
		Btu/h	305,700	324,800	343,900
	Heating (Rated)	kW	89.6	95.2	100.8
		kcal/h	77,000	81,900	86,700
		Btu/h	305,700	324,800	343,900
	Heating (Max)	kW	100.8	107.1	112.1
		kcal/h	86,700	92,100	96,300
		Btu/h	343,900	365,400	382,300
Input	Cooling (Rated)	kW	20.4	23.3	25
	Heating (Rated)	kW	19.1	21	22.7
	Heating (Max)	kW	22.9	25	27.1
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 x 2) + (43.8 x 1)	(62.1 x 2) + (43.8 x 1)	62.1 x 3
	Number of Revolution	rev/min	3,600 x 3	3,600 x 3	3,600 x 3
	Motor Output x Number	W x No.	(5,300 x 2) + (4,200 x 1)	(5,300 x 2) + (4,200 x 1)	5,300 x 3
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	5200	5200	5200
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)
	Air Flow Rate(High)	m3/min	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)
		ft3/min	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	41.3(1-5/8)
	High Pressure Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	41.3(1-5/8)
Dimensions(W x H x D)		mm	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	(300 x 1) + (215 x 1)	(300 x 1) + (215 x 1)	(310 x 1) + (215 x 1)
		lbs	(661 x 1) + (474 x 1)	(661 x 1) + (474 x 1)	(683 x 1) + (474 x 1)
Sound Pressure Level	Cooling	dB(A)	63.8	65.6	66
	Heating	dB(A)	65.8	66.6	67.8
Sound Power Level	Cooling	dB(A)	86.8	86.8	88.5
	Heating	dB(A)	87.8	88.6	90.4
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	25.5	25.5	26.5
	in factory	lbs	56.2	56.2	58.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			38	40	42
Model Name	Combination Unit		ARUM380LTE5	ARUM400LTE5	ARUM420LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
Capacity	Cooling (Rated)	kW	106.4	112	117.6
		kcal/h	91,500	96,300	101,100
		Btu/h	363,000	382,100	401,300
	Heating (Rated)	kW	106.4	112	117.6
		kcal/h	91,500	96,300	101,100
		Btu/h	363,000	382,100	401,300
	Heating (Max)	kW	118.4	124.7	131
		kcal/h	101,800	107,200	112,600
		Btu/h	403,800	425,300	446,800
Input	Cooling (Rated)	kW	26.1	28.3	28.3
	Heating (Rated)	kW	24	26.2	26
	Heating (Max)	kW	28.5	31.2	30.7
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 x 3	62.1 x 3	(62.1 x 3) + (43.8 x 1)
	Number of Revolution	rev/min	3,600 x 3	3,600 x 3	3,600 x 4
	Motor Output x Number	W x No.	5,300 x 3	5,300 x 3	(5,300 x 3) + (4,200 x 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	5200	5200	5600
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 4	900 x 4	900 x 4
	Air Flow Rate(High)	m3/min	320 x 2	320 x 2	320 x 2
		ft3/min	11,301 x 2	11,301 x 2	11,301 x 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
	High Pressure Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Dimensions(W x H x D)		mm	(1,240 x1,690 x 760) x 2	(1,240 x1,690 x 760) x 2	(1,240 x1,690 x 760) x 2
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 2
Net Weight		kg	(310 x 1) + (237 x 1)	(310 x 1) + (237 x 1)	(310 x 1) + (300 x 1)
		lbs	(683 x 1) + (522 x 1)	(683 x 1) + (522 x 1)	(683 x 1) + (661 x 1)
Sound Pressure Level	Cooling	dB(A)	66.2	66.3	66.5
	Heating	dB(A)	68	68.1	68.2
Sound Power Level	Cooling	dB(A)	89	89.2	89.8
	Heating	dB(A)	91	91.2	91.5
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.xmm²(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	30.5	30.5	33
	in factory	lbs	67.2	67.2	72.8
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			44	46	48
Model Name	Combination Unit		ARUM440LTE5	ARUM460LTE5	ARUM480LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM200LTE5	ARUM220LTE5	ARUM240LTE5
Capacity	Cooling (Rated)	kW	123.2	128.8	134.4
		kcal/h	105,900	110,700	115,600
		Btu/h	420,400	439,500	458,600
	Heating (Rated)	kW	123.2	128.8	134.4
		kcal/h	105,900	110,700	115,600
		Btu/h	420,400	439,500	458,600
	Heating (Max)	kW	137.3	143.6	148.5
		kcal/h	118,000	123,400	127,700
		Btu/h	468,300	489,800	506,700
Input	Cooling (Rated)	kW	30.2	33.1	34.8
	Heating (Rated)	kW	28.1	30	31.8
	Heating (Max)	kW	33.5	35.6	37.6
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 × 3) + (43.8 × 1)	(62.1 × 3) + (43.8 × 1)	62.1 × 4
	Number of Revolution	rev/min	3,600 × 4	3,600 × 4	3,600 × 4
	Motor Output x Number	W × No.	(5,300 × 3) + (4,200 × 1)	(5,300 × 3) + (4,200 × 1)	5,300 × 4
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	5600	5600	5600
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 4	900 × 4	900 × 4
	Air Flow Rate(High)	m3/min	320 × 2	320 × 2	320 × 2
		ft3/min	11,301 × 2	11,301 × 2	11,301 × 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
	High Pressure Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Dimensions(W × H × D)		mm	(1,240 ×1,690 × 760) × 2	(1,240 ×1,690 × 760) × 2	(1,240 ×1,690 × 760) × 2
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2	(48-13/16 × 66-17/32 × 29-29/32) × 2
Net Weight		kg	(310 × 1) + (300 × 1)	(310 × 1) + (300 × 1)	310 × 2
		lbs	(683 × 1) + (661 × 1)	(683 × 1) + (661 × 1)	683 × 2
Sound Pressure Level	Cooling	dB(A)	66.8	67.8	68
	Heating	dB(A)	68.9	69.3	70
Sound Power Level	Cooling	dB(A)	90.1	90.1	91
	Heating	dB(A)	91.8	92.1	93
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.×mm^2(VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	33	33	34
	in factory	lbs	72.8	72.8	75
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			50	52	54
Model Name	Combination Unit		ARUM500LTE5	ARUM520LTE5	ARUM540LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
			ARUM120LTE5	ARUM120LTE5	ARUM120LTE5
Capacity	Cooling (Rated)	kW	140	145.6	151.2
		kcal/h	120,400	125,200	130,000
		Btu/h	477,700	496,800	515,900
	Heating (Rated)	kW	140	145.6	151.2
		kcal/h	120,400	125,200	130,000
		Btu/h	477,700	496,800	515,900
	Heating (Max)	kW	156.2	162.5	168.8
		kcal/h	134,300	139,700	145,100
		Btu/h	532,800	554,300	575,800
Input	Cooling (Rated)	kW	33.7	35.9	35.9
	Heating (Rated)	kW	30.9	33	32.9
	Heating (Max)	kW	36.8	39.4	39
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 x 4	62.1 x 4	(62.1 x 4) + (43.8 x 1)
	Number of Revolution	rev/min	3,600 x 4	3,600 x 4	3,600 x 5
	Motor Output x Number	W x No.	5,300 x 4	5,300 x 4	(5,300 x 4) + (4,200 x 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	7600	7600	8000
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)
	Air Flow Rate(High)	m3/min	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)
		ft3/min	(11,301 x 2) + (8,476 x 1)	(11,301 x 2) + (8,476 x 1)	(11,301 x 2) + (8,476 x 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
	High Pressure Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Dimensions(W x H x D)		mm	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	(310 x 1) + (237 x 1) + (215 x 1)	(310 x 1) + (237 x 1) + (215 x 1)	(310 x 1) + (300 x 1) + (215 x 1)
		lbs	(683 x 1) + (522 x 1) + (474 x 1)	(683 x 1) + (522 x 1) + (474 x 1)	(683 x 1) + (661 x 1) + (474 x 1)
Sound Pressure Level	Cooling	dB(A)	67	67.1	67.2
	Heating	dB(A)	68.6	68.7	68.8
Sound Power Level	Cooling	dB(A)	89.4	89.6	90.1
	Heating	dB(A)	91.3	91.5	91.8
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	40	40	42.5
	in factory	lbs	88.2	88.2	93.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			56	58	60
Model Name	Combination Unit		ARUM560LTE5	ARUM580LTE5	ARUM600LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM200LTE5	ARUM220LTE5	ARUM240LTE5
			ARUM120LTE5	ARUM120LTE5	ARUM120LTE5
Capacity	Cooling (Rated)	kW	156.8	162.4	168
		kcal/h	134,800	139,600	144,400
		Btu/h	535,000	554,100	573,200
	Heating (Rated)	kW	156.8	162.4	168
		kcal/h	134,800	139,600	144,400
		Btu/h	535,000	554,100	573,200
	Heating (Max)	kW	175.1	181.4	186.3
		kcal/h	150,500	155,900	160,200
		Btu/h	597,300	618,800	635,700
Input	Cooling (Rated)	kW	37.8	40.7	42.4
	Heating (Rated)	kW	34.9	36.9	38.6
	Heating (Max)	kW	41.7	43.8	45.9
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 × 4) + (43.8 × 1)	(62.1 × 4) + (43.8 × 1)	62.1 × 5
	Number of Revolution	rev/min	3,600 × 5	3,600 × 5	3,600 × 5
	Motor Output x Number	W × No.	(5,300 × 4) + (4,200 × 1)	(5,300 × 4) + (4,200 × 1)	5,300 × 5
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	8000	8000	8000
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)
	Air Flow Rate(High)	m3/min	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)
		ft3/min	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
	High Pressure Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Dimensions(W × H × D)		mm	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 2 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(310 × 1) + (300 × 1) + (215 × 1)	(310 × 1) + (300 × 1) + (215 × 1)	(310 × 2) + (215 × 1)
		lbs	(683 × 1) + (661 × 1) + (474 × 1)	(683 × 1) + (661 × 1) + (474 × 1)	(683 × 2) + (474 × 1)
Sound Pressure Level	Cooling	dB(A)	67.4	68.3	68.5
	Heating	dB(A)	69.5	69.8	70.4
Sound Power Level	Cooling	dB(A)	90.4	90.4	91.3
	Heating	dB(A)	92	92.4	93.2
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.xmm^2(VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	42.5	42.5	43.5
	in factory	lbs	93.7	93.7	95.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			62	64	66
Model Name	Combination Unit		ARUM620LTE5	ARUM640LTE5	ARUM660LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
Capacity	Cooling (Rated)	kW	173.6	179.2	184.8
		kcal/h	149,300	154,100	158,900
		Btu/h	592,300	611,400	630,500
	Heating (Rated)	kW	173.6	179.2	184.8
		kcal/h	149,300	154,100	158,900
		Btu/h	592,300	611,400	630,500
	Heating (Max)	kW	192.6	198.9	205.2
		kcal/h	165,600	171,000	176,400
		Btu/h	657,200	678,700	700,200
Input	Cooling (Rated)	kW	43.5	45.7	45.7
	Heating (Rated)	kW	39.9	42.1	41.9
	Heating (Max)	kW	47.3	50	49.5
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 x 5	62.1 x 5	(62.1 x 5) + (43.8 x 1)
	Number of Revolution	rev/min	3,600 x 5	3,600 x 5	3,600 x 6
	Motor Output x Number	W x No.	5,300 x 5	5,300 x 5	(5,300 x 5) + (4,200 x 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	8000	8000	8400
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 6	900 x 6	900 x 6
	Air Flow Rate(High)	m3/min	320 x 3	320 x 3	320 x 3
		ft3/min	11,301 x 3	11,301 x 3	11,301 x 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Low Pressure Gas Pipe	mm(inch)	44.5(1-3/4)	44.5(1-3/4)	53.98(2-1/8)
	High Pressure Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	44.5(1-3/4)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm(inch)	44.5(1-3/4)	44.5(1-3/4)	53.98(2-1/8)
Dimensions(W x H x D)		mm	(1,240 x1,690 x 760) x 3	(1,240 x1,690 x 760) x 3	(1,240 x1,690 x 760) x 3
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 3	(48-13/16 x 66-17/32 x 29-29/32) x 3	(48-13/16 x 66-17/32 x 29-29/32) x 3
Net Weight		kg	(310 x 2) + (237 x 1)	(310 x 2) + (237 x 1)	(310 x 2) + (300 x 1)
		lbs	(683 x 2) + (522 x 1)	(683 x 2) + (522 x 1)	(683 x 2) + (661 x 1)
Sound Pressure Level	Cooling	dB(A)	68.6	68.7	68.8
	Heating	dB(A)	70.5	70.6	70.6
Sound Power Level	Cooling	dB(A)	91.5	91.6	92
	Heating	dB(A)	93.5	93.6	93.8
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	47.5	47.5	50
	in factory	lbs	104.7	104.7	110.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			68	70	72
Model Name	Combination Unit		ARUM680LTE5	ARUM700LTE5	ARUM720LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM200LTE5	ARUM220LTE5	ARUM240LTE5
Capacity	Cooling (Rated)	kW	190.4	196	201.6
		kcal/h	163,700	168,500	173,300
		Btu/h	649,600	668,800	687,900
	Heating (Rated)	kW	190.4	196	201.6
		kcal/h	163,700	168,500	173,300
		Btu/h	649,600	668,800	687,900
	Heating (Max)	kW	211.5	217.8	222.8
		kcal/h	181,900	187,300	191,500
		Btu/h	721,700	743,200	760,100
Input	Cooling (Rated)	kW	47.6	50.5	52.2
	Heating (Rated)	kW	44	45.9	47.7
	Heating (Max)	kW	52.3	54.4	56.4
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 × 5) + (43.8 × 1)	(62.1 × 5) + (43.8 × 1)	62.1 × 6
	Number of Revolution	rev/min	3,600 × 6	3,600 × 6	3,600 × 6
	Motor Output x Number	W × No.	(5,300 × 5) + (4,200 × 1)	(5,300 × 5) + (4,200 × 1)	5,300 × 6
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	8400	8400	8400
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 6	900 × 6	900 × 6
	Air Flow Rate(High)	m3/min	320 × 3	320 × 3	320 × 3
		ft3/min	11,301 × 3	11,301 × 3	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Low Pressure Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
	High Pressure Gas Pipe	mm(inch)	44.5(1-3/4)	44.5(1-3/4)	44.5(1-3/4)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W × H × D)		mm	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3	(1,240 ×1,690 × 760) × 3
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3	(48-13/16 × 66-17/32 × 29-29/32) × 3
Net Weight		kg	(310 × 2) + (300 × 1)	(310 × 2) + (300 × 1)	310 × 3
		lbs	(683 × 2) + (661 × 1)	(683 × 2) + (661 × 1)	683 × 3
Sound Pressure Level	Cooling	dB(A)	69	69.6	69.8
	Heating	dB(A)	71.1	71.3	71.8
Sound Power Level	Cooling	dB(A)	92.2	92.2	92.8
	Heating	dB(A)	94	94.2	94.8
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.xmm^2(VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	50	50	51
	in factory	lbs	110.2	110.2	112.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			74	76	78
Model Name	Combination Unit		ARUM740LTE5	ARUM760LTE5	ARUM780LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
			ARUM120LTE5	ARUM120LTE5	ARUM120LTE5
Capacity	Cooling (Rated)	kW	207.2	212.8	218.4
		kcal/h	178,200	183,000	187,800
		Btu/h	707,000	726,100	745,200
	Heating (Rated)	kW	207.2	212.8	218.4
		kcal/h	178,200	183,000	187,800
		Btu/h	707,000	726,100	745,200
	Heating (Max)	kW	230.4	236.7	243
		kcal/h	198,100	203,500	208,900
		Btu/h	786,200	807,700	829,200
Input	Cooling (Rated)	kW	51.1	53.3	53.3
	Heating (Rated)	kW	46.8	48.9	48.8
	Heating (Max)	kW	55.6	58.2	57.8
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 × 6	62.1 × 6	(62.1 × 6) + (43.8 × 1)
	Number of Revolution	rev/min	3,600 × 6	3,600 × 6	3,600 × 6
	Motor Output × Number	W × No.	5,300 × 6	5,300 × 6	(5,300 × 6) + (4,200 × 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	10400	10400	10800
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output × Number	W	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)
	Air Flow Rate(High)	m3/min	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)
		ft3/min	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Low Pressure Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
	High Pressure Gas Pipe	mm(inch)	44.5(1-3/4)	44.5(1-3/4)	44.5(1-3/4)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W × H × D)		mm	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(310 × 2) + (237 × 1) + (215 × 1)	(310 × 2) + (237 × 1) + (215 × 1)	(310 × 2) + (300 × 1) + (215 × 1)
		lbs	(683 × 2) + (522 × 1) + (474 × 1)	(683 × 2) + (522 × 1) + (474 × 1)	(683 × 2) + (661 × 1) + (474 × 1)
Sound Pressure Level	Cooling	dB(A)	69.1	69.2	69.2
	Heating	dB(A)	70.9	70.9	71
Sound Power Level	Cooling	dB(A)	91.8	91.9	92.2
	Heating	dB(A)	93.7	93.8	94
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.×mm^2(VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	57	57	59.5
	in factory	lbs	125.7	125.7	131.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			80	82	84
Model Name	Combination Unit		ARUM800LTE5	ARUM820LTE5	ARUM840LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM200LTE5	ARUM220LTE5	ARUM240LTE5
			ARUM120LTE5	ARUM120LTE5	ARUM120LTE5
Capacity	Cooling (Rated)	kW	224	229.6	235.2
		kcal/h	192,600	197,400	202,200
		Btu/h	764,300	783,400	802,500
	Heating (Rated)	kW	224	229.6	235.2
		kcal/h	192,600	197,400	202,200
		Btu/h	764,300	783,400	802,500
	Heating (Max)	kW	249.3	255.6	260.6
		kcal/h	214,400	219,800	224,000
		Btu/h	850,700	872,100	889,100
Input	Cooling (Rated)	kW	55.2	58.1	59.8
	Heating (Rated)	kW	50.8	52.8	54.5
	Heating (Max)	kW	60.5	62.6	64.7
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 × 6) + (43.8 × 1)	(62.1 × 6) + (43.8 × 1)	62.1 × 7
	Number of Revolution	rev/min	3,600 × 6	3,600 × 6	3,600 × 7
	Motor Output × Number	W × No.	(5,300 × 6) + (4,200 × 1)	(5,300 × 6) + (4,200 × 1)	5,300 × 7
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	10800	10800	10800
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output × Number	W	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)
	Air Flow Rate(High)	m3/min	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)
		ft3/min	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Low Pressure Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
	High Pressure Gas Pipe	mm(inch)	44.5(1-3/4)	44.5(1-3/4)	44.5(1-3/4)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W × H × D)		mm	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1	(48-13/16 × 66-17/32 × 29-29/32) × 3 + (36-5/8 × 66-17/32 × 29-29/32) × 1
Net Weight		kg	(310 × 2) + (300 × 1) + (215 × 1)	(310 × 2) + (300 × 1) + (215 × 1)	(310 × 3) + (215 × 1)
		lbs	(683 × 2) + (661 × 1) + (474 × 1)	(683 × 2) + (661 × 1) + (474 × 1)	(683 × 3) + (474 × 1)
Sound Pressure Level	Cooling	dB(A)	69.4	70	70.1
	Heating	dB(A)	71.4	71.6	72.1
Sound Power Level	Cooling	dB(A)	92.4	92.4	92.9
	Heating	dB(A)	94.2	94.4	94.9
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.×mm^2(VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	59.5	59.5	60.5
	in factory	lbs	131.2	131.2	133.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			86	88	90
Model Name	Combination Unit		ARUM860LTE5	ARUM880LTE5	ARUM900LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
Capacity	Cooling (Rated)	kW	240.8	246.4	252
		kcal/h	207,000	211,900	216,700
		Btu/h	821,600	840,700	859,800
	Heating (Rated)	kW	240.8	246.4	252
		kcal/h	207,000	211,900	216,700
		Btu/h	821,600	840,700	859,800
	Heating (Max)	kW	266.9	273.2	279.5
		kcal/h	229,500	234,900	240,300
		Btu/h	910,600	932,000	953,500
Input	Cooling (Rated)	kW	60.9	63.1	63.1
	Heating (Rated)	kW	55.8	58	57.8
	Heating (Max)	kW	66.1	68.8	68.3
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 x 7	62.1 x 7	(62.1 x 7) + (43.8 x 1)
	Number of Revolution	rev/min	3,600 x 7	3,600 x 7	3,600 x 8
	Motor Output x Number	W x No.	5,300 x 7	5,300 x 7	(5,300 x 7) + (4,200 x 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	10800	10800	11200
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 8	900 x 8	900 x 8
	Air Flow Rate(High)	m3/min	320 x 4	320 x 4	320 x 4
		ft3/min	11,301 x 4	11,301 x 4	11,301 x 4
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Low Pressure Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
	High Pressure Gas Pipe	mm(inch)	44.5(1-3/4)	44.5(1-3/4)	44.5(1-3/4)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W x H x D)		mm	(1,240 x1,690 x 760) x 4	(1,240 x1,690 x 760) x 4	(1,240 x1,690 x 760) x 4
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 4	(48-13/16 x 66-17/32 x 29-29/32) x 4	(48-13/16 x 66-17/32 x 29-29/32) x 4
Net Weight		kg	(310 x 3) + (237 x 1)	(310 x 3) + (237 x 1)	(310 x 3) + (300 x 1)
		lbs	(683 x 3) + (522 x 1)	(683 x 3) + (522 x 1)	(683 x 3) + (661 x 1)
Sound Pressure Level	Cooling	dB(A)	70.2	70.3	70.3
	Heating	dB(A)	72.1	72.2	72.2
Sound Power Level	Cooling	dB(A)	93.1	93.2	93.4
	Heating	dB(A)	95.1	95.2	95.3
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	64.5	64.5	67
	in factory	lbs	142.2	142.2	147.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacitie
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			92	94	96
Model Name	Combination Unit		ARUM920LTE5	ARUM940LTE5	ARUM960LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM200LTE5	ARUM220LTE5	ARUM240LTE5
Capacity	Cooling (Rated)	kW	257.6	263.2	268.8
		kcal/h	221,500	226,300	231,100
		Btu/h	878,900	898,000	917,100
	Heating (Rated)	kW	257.6	263.2	268.8
		kcal/h	221,500	226,300	231,100
		Btu/h	878,900	898,000	917,100
	Heating (Max)	kW	285.8	292.1	297
		kcal/h	245,700	251,100	255,400
		Btu/h	975,000	996,500	1,013,400
Input	Cooling (Rated)	kW	65	67.9	69.6
	Heating (Rated)	kW	59.9	61.8	63.6
	Heating (Max)	kW	71.1	73.2	75.2
Power Factor	Rated	-	0.93	0.93	0.93
Casing Color			Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
Heat Exchanger			Ocean Black Fin	Ocean Black Fin	Ocean Black Fin
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 × 7) + (43.8 × 1)	(62.1 × 7) + (43.8 × 1)	62.1 × 8
	Number of Revolution	rev/min	3,600 × 8	3,600 × 8	3,600 × 8
	Motor Output x Number	W × No.	(5,300 × 7) + (4,200 × 1)	(5,300 × 7) + (4,200 × 1)	5,300 × 8
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
	Oil Charge	cc	11200	11200	11200
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 × 8	900 × 8	900 × 8
	Air Flow Rate(High)	m3/min	320 × 4	320 × 4	320 × 4
		ft3/min	11,301 × 4	11,301 × 4	11,301 × 4
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Recovery	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Low Pressure Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
	High Pressure Gas Pipe	mm(inch)	44.5(1-3/4)	44.5(1-3/4)	44.5(1-3/4)
Pipe Connections For Heat Pump	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W × H × D)		mm	(1,240 ×1,690 × 760) × 4	(1,240 ×1,690 × 760) × 4	(1,240 ×1,690 × 760) × 4
		inch	(48-13/16 × 66-17/32 × 29-29/32) × 4	(48-13/16 × 66-17/32 × 29-29/32) × 4	(48-13/16 × 66-17/32 × 29-29/32) × 4
Net Weight		kg	(310 × 3) + (300 × 1)	(310 × 3) + (300 × 1)	310 × 4
		lbs	(683 × 3) + (661 × 1)	(683 × 3) + (661 × 1)	683 × 4
Sound Pressure Level	Cooling	dB(A)	70.4	70.9	71
	Heating	dB(A)	72.5	72.7	73
Sound Power Level	Cooling	dB(A)	93.6	93.6	94
	Heating	dB(A)	95.4	95.6	96
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch	High pressure sensor / High pressure switch
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector	Over-heat protection / Fan driver overload protector
	Inverter	-	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection	Over-heat protection / Over-current protection
Communication Cable		No.xmm^2(VCTF-SB)	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	67	67	68
	in factory	lbs	147.7	147.7	149.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
			3, 380, 60	3, 380, 60	3, 380, 60

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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2. Specifications (For Australia)

HP			8	10	12
Model Name	Combination Unit		ARUM080LTE5	ARUM100LTE5	ARUM120LTE5
	Independent Unit		ARUM080LTE5	ARUM100LTE5	ARUM120LTE5
Capacity	Cooling (Total)	kW	22.4	28.0	33.6
		Btu/h	76,400	95,500	114,600
	Cooling (Net/Rated)	kW	21.6	27.3	32.5
		Btu/h	73,700	93,200	110,900
	Heating (Total)	kW	25.2	31.5	37.8
		Btu/h	86,000	107,500	129,000
	Heating (Net/Rated)	kW	22.0	27.6	33.3
		Btu/h	75,100	94,200	113,600
Power Input	Cooling (Total)	kW	4.49	5.80	7.58
	Heating (Total)	kW	4.78	5.92	8.26
EER	Total		4.99	4.83	4.43
	Net		4.19	4.01	3.90
COP	Total		5.27	5.32	4.58
	Net		4.49	4.55	4.16
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	43.8	62.1	62.1
	Number of Revolution	rev/min	3,600	3,600	3,600
	Motor Output × Number	W × No.	4,200 x 1	5,300 x 1	5,300 x 1
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output × Number	W	1,200 x 1	1,200 x 1	1,200 x 1
	Air Flow Rate(High)	m^3/min	240 x 1	240 x 1	240 x 1
		ft^3/min	8,476 x 1	8,476 x 1	8,476 x 1
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)
	Low Pressure Gas Pipe	mm(inch)	19.05(3/4)	22.2(7/8)	28.58(1-1/8)
	High Pressure Gas Pipe	mm(inch)	15.88(5/8)	19.05(3/4)	19.05(3/4)
Pipe Connections #2	Liquid Pipe	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)
	Gas Pipe	mm(inch)	19.05(3/4)	22.2(7/8)	28.58(1-1/8)
Dimensions(W × H × D)		mm	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1
		inch	(36-5/8 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	198 x 1	215 x 1	215 x 1
		lbs	437 x 1	474 x 1	474 x 1
Sound Pressure Level	Cooling	dB(A)	58.0	58.0	59.0
	Heating	dB(A)	59.0	59.0	60.0
Sound Power Level	Cooling	dB(A)	84.0	85.0	86.0
	Heating	dB(A)	87.0	88.0	89.0
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	7.5	9.5	9.5
		lbs	16.5	20.9	20.9
	t-CO_2 eq		15.7	19.8	19.8
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			13(20)	16(25)	20(30)

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			14	16	18
Model Name	Combination Unit		ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
	Independent Unit		ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
Capacity	Cooling (Total)	kW	39.2	44.8	50.4
		Btu/h	133,800	152,900	172,000
	Cooling (Net/Rated)	kW	38.3	44.3	49.0
		Btu/h	130,700	151,200	167,200
	Heating (Total)	kW	44.1	50.4	56.7
		Btu/h	150,500	172,000	193,500
	Heating (Net/Rated)	kW	38.0	43.3	49.5
		Btu/h	129,700	147,700	168,900
Power Input	Cooling (Total)	kW	8.68	10.89	10.91
	Heating (Total)	kW	9.72	12.39	11.94
EER	Total		4.52	4.11	4.62
	Net		3.80	3.33	3.80
COP	Total		4.54	4.07	4.75
	Net		4.00	3.44	4.27
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1	62.1	62.1 x 1 + 43.8 x 1
	Number of Revolution	rev/min	3,600	3,600	3,600 x 2
	Motor Output x Number	W x No.	5,300 x 1	5,300 x 1	5,300 x 1 + 4,200 x 1
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 2	900 x 2	900 x 2
	Air Flow Rate(High)	m^3/min	320 x 1	320 x 1	320 x 1
		ft^3/min	1,1301 x 1	1,1301 x 1	1,1301 x 1
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Low Pressure Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
	High Pressure Gas Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
Pipe Connections #2	Liquid Pipe	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
Dimensions(W x H x D)		mm	(1,240 x 1,690 x 760)x1	(1,240 x 1,690 x 760)x1	(1,240 x 1,690 x 760)x1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	242 x 1	242 x 1	300 x 1
		lbs	534 x 1	534 x 1	661 x 1
Sound Pressure Level	Cooling	dB(A)	60.0	60.5	61.0
	Heating	dB(A)	61.0	61.5	62.0
Sound Power Level	Cooling	dB(A)	89.0	90.0	92.0
	Heating	dB(A)	93.0	94.0	95.0
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	13.5	13.5	16.0
		lbs	29.8	29.8	35.3
	t-CO_2 eq		28.2	28.2	33.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			23(35)	26(40)	29(45)

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			20	22	24
Model Name	Combination Unit		ARUM200LTE5	ARUM220LTE5	ARUM240LTE5
	Independent Unit		ARUM200LTE5	ARUM220LTE5	ARUM240LTE5
Capacity	Cooling (Total)	kW	56.0	61.6	67.2
		Btu/h	191,100	210,200	229,300
	Cooling (Net/Rated)	kW	54.8	60.0	66.0
		Btu/h	187,000	204,700	225,200
	Heating (Total)	kW	63.0	69.3	74.3
		Btu/h	215,000	236,500	253,400
	Heating (Net/Rated)	kW	55.5	59.5	65.3
		Btu/h	189,400	203,000	222,800
Power Input	Cooling (Total)	kW	12.77	15.70	17.40
	Heating (Total)	kW	14.69	16.76	18.80
EER	Total		4.39	3.92	3.86
	Net		3.66	3.34	3.34
COP	Total		4.29	4.13	3.95
	Net		3.97	3.84	4.32
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 x 1 + 43.8 x 1	62.1 x 1 + 43.8 x 1	62.1 x 2
	Number of Revolution	rev/min	3,600 x 2	3,600 x 2	3,600 x 2
	Motor Output x Number	W x No.	5,300 x 1 + 4,200 x 1	5,300 x 1 + 4,200 x 1	5,300 x 2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 2	900 x 2	900 x 2
	Air Flow Rate(High)	m^3/min	320 x 1	320 x 1	320 x 1
		ft^3/min	1,1301 x 1	1,1301 x 1	1,1301 x 1
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Low Pressure Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	34.9(1-3/8)
	High Pressure Gas Pipe	mm(inch)	22.2(7/8)	28.58(1-1/8)	28.58(1-1/8)
Pipe Connections #2	Liquid Pipe	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	34.9(1-3/8)
Dimensions(W x H x D)		mm	(1,240 x 1,690 x 760)x1	(1,240 x 1,690 x 760)x1	(1,240 x 1,690 x 760)x1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	300 x 1	300 x 1	310 x 1
		lbs	661 x 1	661 x 1	683 x 1
Sound Pressure Level	Cooling	dB(A)	62.0	64.5	65.0
	Heating	dB(A)	64.5	65.5	67.0
Sound Power Level	Cooling	dB(A)	93.0	93.0	95.0
	Heating	dB(A)	96.0	97.0	99.0
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	16.0	16.0	17.0
		lbs	35.3	35.3	37.5
	t-CO_2 eq		33.4	33.4	35.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			32(50)	35(56)	39(61)

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			26	22'	24'
Model Name	Combination Unit		ARUM260LTE5	ARUM221LTE5	ARUM241LTE5
	Independent Unit		ARUM260LTE5	ARUM120LTE5	ARUM120LTE5
				ARUM100LTE5	ARUM120LTE5
Capacity	Cooling (Total)	kW	72.8	61.6	67.2
		Btu/h	248,400	210,200	229,300
	Cooling (Net/Rated)	kW	70.5	59.8	65.0
		Btu/h	240,600	204,100	221,800
	Heating (Total)	kW	74.3	69.3	75.6
		Btu/h	253,400	236,500	257,900
	Heating (Net/Rated)	kW	65.8	60.9	66.6
		Btu/h	224,500	207,800	227,300
Power Input	Cooling (Total)	kW	20.20	13.38	15.16
	Heating (Total)	kW	19.15	14.18	16.52
EER	Total		3.60	4.60	4.43
	Net		3.11	3.95	3.90
COP	Total		3.88	4.89	4.58
	Net		4.45	4.33	4.16
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 x 2	62.1 x 2	62.1 x 2
	Number of Revolution	rev/min	3,600 x 2	3,600 x 2	3,600 x 2
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	5,300 x 2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 2	(1200 x 1) + (1,200 x 1)	(1200 x 1) + (1,200 x 1)
	Air Flow Rate(High)	m^3/min	320 x 1	(240 x 1) + (240 x 1)	(240 x 1) + (240 x 1)
		ft^3/min	1,1301 x 1	(8,476 x 1) + (8,476 x 1)	(8,476 x 1) + (8,476 x 1)
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	19.05(3/4)	15.88(5/8)	15.88(5/8)
	Low Pressure Gas Pipe	mm(inch)	34.9(1-3/8)	28.58(1-1/8)	34.9(1-3/8)
	High Pressure Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
Pipe Connections #2	Liquid Pipe	mm(inch)	19.05(3/4)	15.88(5/8)	15.88(5/8)
	Gas Pipe	mm(inch)	34.9(1-3/8)	28.58(1-1/8)	34.9(1-3/8)
Dimensions(W x H x D)		mm	(1,240 x 1,690 x 760)x1	(930 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(930 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(36-5/8 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	310 x 1	(215 x 1) + (215 x 1)	(215 x 1) + (215 x 1)
		lbs	683 x 1	(474 x 1) + (474 x 1)	(474 x 1) + (474 x 1)
Sound Pressure Level	Cooling	dB(A)	65.0	61.5	62.0
	Heating	dB(A)	67.0	62.5	63.0
Sound Power Level	Cooling	dB(A)	95.0	88.5	89.0
	Heating	dB(A)	99.0	91.5	92.0
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	17.0	19.0	19.0
		lbs	37.5	41.9	41.9
	t-CO_2 eq		35.5	39.7	39.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			42(64)	35(44)	39(48)

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			26'	28	30
Model Name	Combination Unit		ARUM261LTE5	ARUM280LTE5	ARUM300LTE5
	Independent Unit		ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
			ARUM120LTE5	ARUM120LTE5	ARUM120LTE5
Capacity	Cooling (Total)	kW	72.8	78.4	84.0
		Btu/h	248,400	267,500	286,600
	Cooling (Net/Rated)	kW	70.8	76.8	81.5
		Btu/h	241,600	262,100	278,100
	Heating (Total)	kW	81.9	88.2	94.5
		Btu/h	279,400	300,900	322,400
	Heating (Net/Rated)	kW	71.3	76.6	82.8
		Btu/h	243,300	261,400	282,600
Power Input	Cooling (Total)	kW	16.26	18.47	18.49
	Heating (Total)	kW	17.98	20.65	20.20
EER	Total		4.48	4.24	4.54
	Net		3.85	3.55	3.84
COP	Total		4.56	4.27	4.68
	Net		4.07	3.72	4.22
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 x 2	62.1 x 2	(62.1 x 2) + (43.8 x 1)
	Number of Revolution	rev/min	3,600 x 2	3,600 x 2	3,600 x 3
	Motor Output x Number	W x No.	5,300 x 2	5,300 x 2	(5,300 x 2) + (4,200 x 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)
	Air Flow Rate(High)	m^3/min	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)
		ft^3/min	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
	High Pressure Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
Pipe Connections #2	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
Dimensions(W x H x D)		mm	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	(242 x 1) + (215 x 1)	(242 x 1) + (215 x 1)	(300 x 1) + (215 x 1)
		lbs	(534 x 1) + (474 x 1)	(534 x 1) + (474 x 1)	(661 x 1) + (474 x 1)
Sound Pressure Level	Cooling	dB(A)	62.5	62.8	63.1
	Heating	dB(A)	63.5	63.8	64.1
Sound Power Level	Cooling	dB(A)	90.8	91.5	93.0
	Heating	dB(A)	94.5	95.2	96.0
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	23.0	23.0	25.5
		lbs	50.7	50.7	56.2
	t-CO_2 eq		48.0	48.0	53.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			42(52)	45(56)	49(60)

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			32	34	36
Model Name	Combination Unit		ARUM320LTE5	ARUM340LTE5	ARUM360LTE5
	Independent Unit		ARUM200LTE5	ARUM220LTE5	ARUM240LTE5
			ARUM120LTE5	ARUM120LTE5	ARUM120LTE5
Capacity	Cooling (Total)	kW	89.6	95.2	100.8
		Btu/h	305,700	324,800	343,900
	Cooling (Net/Rated)	kW	87.3	92.5	98.5
		Btu/h	297,900	315,700	336,100
	Heating (Total)	kW	100.8	107.1	112.1
		Btu/h	343,900	365,400	382,300
	Heating (Net/Rated)	kW	88.8	92.8	98.6
		Btu/h	303,000	316,700	336,500
Power Input	Cooling (Total)	kW	20.35	23.28	24.98
	Heating (Total)	kW	22.95	25.02	27.06
EER	Total		4.40	4.09	4.04
	Net		3.75	3.52	3.51
COP	Total		4.39	4.28	4.14
	Net		4.04	3.95	4.26
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 x 2) + (43.8 x 1)	(62.1 x 2) + (43.8 x 1)	62.1 x 3
	Number of Revolution	rev/min	3,600 x 3	3,600 x 3	3,600 x 3
	Motor Output x Number	W x No.	(5,300 x 2) + (4,200 x 1)	(5,300 x 2) + (4,200 x 1)	5,300 x 3
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)	(900 x 2) + (1,200 x 1)
	Air Flow Rate(High)	m^3/min	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)	(320 x 1) + (240 x 1)
		ft^3/min	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)	(11,301 x 1) + (8,476 x 1)
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	41.3(1-5/8)
	High Pressure Gas Pipe	mm(inch)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
Pipe Connections #2	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	41.3(1-5/8)
Dimensions(W x H x D)		mm	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 1 + (930 x 1,690 x 760) x 1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 1 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	(300 x 1) + (215 x 1)	(300 x 1) + (215 x 1)	(310 x 1) + (215 x 1)
		lbs	(661 x 1) + (474 x 1)	(661 x 1) + (474 x 1)	(683 x 1) + (474 x 1)
Sound Pressure Level	Cooling	dB(A)	63.8	65.6	66.0
	Heating	dB(A)	65.8	66.6	67.8
Sound Power Level	Cooling	dB(A)	93.8	93.8	95.5
	Heating	dB(A)	96.8	97.6	99.4
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	25.5	25.5	26.5
		lbs	56.2	56.2	58.4
	t-CO_2 eq		53.2	53.2	55.3
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			52(64)	55(64)	58(64)

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			38	40	42
Model Name	Combination Unit		ARUM380LTE5	ARUM400LTE5	ARUM420LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
Capacity	Cooling (Total)	kW	106.4	112.0	117.6
		Btu/h	363,000	382,100	401,300
	Cooling (Net/Rated)	kW	104.3	110.3	115.0
		Btu/h	355,900	376,400	392,400
	Heating (Total)	kW	118.4	124.7	131.0
		Btu/h	403,800	425,300	446,800
	Heating (Net/Rated)	kW	103.3	108.6	114.8
		Btu/h	352,500	370,600	391,700
Power Input	Cooling (Total)	kW	26.08	28.29	28.31
	Heating (Total)	kW	28.52	31.19	30.74
EER	Total		4.08	3.96	4.15
	Net		3.50	3.33	3.52
COP	Total		4.15	4.00	4.26
	Net		4.20	3.92	4.30
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 x 3	62.1 x 3	(62.1 x 3) + (43.8 x 1)
	Number of Revolution	rev/min	3,600 x 3	3,600 x 3	3,600 x 4
	Motor Output x Number	W x No.	5,300 x 3	5,300 x 3	(5,300 x 3) + (4,200 x 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 4	900 x 4	900 x 4
	Air Flow Rate(High)	m^3/min	320 x 2	320 x 2	320 x 2
		ft^3/min	11,301 x 2	11,301 x 2	11,301 x 2
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
	High Pressure Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
Pipe Connections #2	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Dimensions(W x H x D)		mm	(1,240 x1,690 x 760) x 2	(1,240 x1,690 x 760) x 2	(1,240 x1,690 x 760) x 2
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 2
Net Weight		kg	(310 x 1) + (242 x 1)	(310 x 1) + (242 x 1)	(310 x 1) + (300 x 1)
		lbs	(683 x 1) + (534 x 1)	(683 x 1) + (534 x 1)	(683 x 1) + (661 x 1)
Sound Pressure Level	Cooling	dB(A)	66.2	66.3	66.5
	Heating	dB(A)	68.0	68.1	68.2
Sound Power Level	Cooling	dB(A)	96.0	96.2	96.8
	Heating	dB(A)	100.0	100.2	100.5
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	30.5	30.5	33.0
		lbs	67.2	67.2	72.8
	t-CO_2 eq		63.7	63.7	68.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			61(64)	64	64

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			44	46	48
Model Name	Combination Unit		ARUM440LTE5	ARUM460LTE5	ARUM480LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM200LTE5	ARUM220LTE5	ARUM240LTE5
Capacity	Cooling (Total)	kW	123.2	128.8	134.4
		Btu/h	420,400	439,500	458,600
	Cooling (Net/Rated)	kW	120.8	126.0	132.0
		Btu/h	412,200	430,000	450,400
	Heating (Total)	kW	137.3	143.6	148.5
		Btu/h	468,300	489,800	506,700
	Heating (Net/Rated)	kW	120.8	124.8	130.6
		Btu/h	412,200	425,900	445,700
Power Input	Cooling (Total)	kW	30.17	33.10	34.80
	Heating (Total)	kW	33.49	35.56	37.60
EER	Total		4.08	3.89	3.86
	Net		3.48	3.34	3.34
COP	Total		4.10	4.04	3.95
	Net		4.15	4.07	4.32
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 x 3) + (43.8 x 1)	(62.1 x 3) + (43.8 x 1)	62.1 x 4
	Number of Revolution	rev/min	3,600 x 4	3,600 x 4	3,600 x 4
	Motor Output x Number	W x No.	(5,300 x 3) + (4,200 x 1)	(5,300 x 3) + (4,200 x 1)	5,300 x 4
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 4	900 x 4	900 x 4
	Air Flow Rate(High)	m^3/min	320 x 2	320 x 2	320 x 2
		ft^3/min	11,301 x 2	11,301 x 2	11,301 x 2
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
	High Pressure Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
Pipe Connections #2	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Dimensions(W x H x D)		mm	(1,240 x1,690 x 760) x 2	(1,240 x1,690 x 760) x 2	(1,240 x1,690 x 760) x 2
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 2	(48-13/16 x 66-17/32 x 29-29/32) x 2
Net Weight		kg	(310 x 1) + (300 x 1)	(310 x 1) + (300 x 1)	310 x 2
		lbs	(683 x 1) + (661 x 1)	(683 x 1) + (661 x 1)	683 x 2
Sound Pressure Level	Cooling	dB(A)	66.8	67.8	68.0
	Heating	dB(A)	68.9	69.3	70.0
Sound Power Level	Cooling	dB(A)	97.1	97.1	98.0
	Heating	dB(A)	100.8	101.1	102.0
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	33.0	33.0	34.0
		lbs	72.8	72.8	75.0
	t-CO_2 eq		68.9	68.9	71.0
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			64	64	64

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			50	52	54
Model Name	Combination Unit		ARUM500LTE5	ARUM520LTE5	ARUM540LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
			ARUM120LTE5	ARUM120LTE5	ARUM120LTE5
Capacity	Cooling (Total)	kW	140.0	145.6	151.2
		Btu/h	477,700	496,800	515,900
	Cooling (Net/Rated)	kW	136.8	142.8	147.5
		Btu/h	466,800	487,300	503,300
	Heating (Total)	kW	156.2	162.5	168.8
		Btu/h	532,800	554,300	575,800
	Heating (Net/Rated)	kW	136.6	141.9	148.1
		Btu/h	466,100	484,200	505,400
Power Input	Cooling (Total)	kW	33.66	35.87	35.89
	Heating (Total)	kW	36.78	39.45	39.00
EER	Total		4.16	4.06	4.21
	Net		3.58	3.45	3.60
COP	Total		4.25	4.12	4.33
	Net		4.19	3.97	4.27
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 x 4	62.1 x 4	(62.1 x 4) + (43.8 x 1)
	Number of Revolution	rev/min	3,600 x 4	3,600 x 4	3,600 x 5
	Motor Output x Number	W x No.	5,300 x 4	5,300 x 4	(5,300 x 4) + (4,200 x 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)
	Air Flow Rate(High)	m^3/min	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)
		ft^3/min	(11,301 x 2) + (8,476 x 1)	(11,301 x 2) + (8,476 x 1)	(11,301 x 2) + (8,476 x 1)
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
	High Pressure Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
Pipe Connections #2	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Dimensions(W x H x D)		mm	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	(310 x 1) + (242 x 1) + (215 x 1)	(310 x 1) + (242 x 1) + (215 x 1)	(310 x 1) + (300 x 1) + (215 x 1)
		lbs	(683 x 1) + (534 x 1) + (474 x 1)	(683 x 1) + (534 x 1) + (474 x 1)	(683 x 1) + (661 x 1) + (474 x 1)
Sound Pressure Level	Cooling	dB(A)	67.0	67.1	67.2
	Heating	dB(A)	68.6	68.7	68.8
Sound Power Level	Cooling	dB(A)	96.4	96.6	97.1
	Heating	dB(A)	100.3	100.5	100.8
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	40.0	40.0	42.5
		lbs	88.2	88.2	93.7
	t-CO_2 eq		83.5	83.5	88.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			64	64	64

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			56	58	60
Model Name	Combination Unit		ARUM560LTE5	ARUM580LTE5	ARUM600LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM200LTE5	ARUM220LTE5	ARUM240LTE5
			ARUM120LTE5	ARUM120LTE5	ARUM120LTE5
Capacity	Cooling (Total)	kW	156.8	162.4	168.0
		Btu/h	535,000	554,100	573,200
	Cooling (Net/Rated)	kW	153.3	158.5	164.5
		Btu/h	523,100	540,900	561,300
	Heating (Total)	kW	175.1	181.4	186.3
		Btu/h	597,300	618,800	635,700
	Heating (Net/Rated)	kW	154.1	158.1	163.9
		Btu/h	525,800	539,500	559,300
Power Input	Cooling (Total)	kW	37.75	40.68	42.38
	Heating (Total)	kW	41.75	43.82	45.86
EER	Total		4.15	3.99	3.96
	Net		3.56	3.44	3.44
COP	Total		4.19	4.14	4.06
	Net		4.15	4.09	4.29
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 x 4) + (43.8 x 1)	(62.1 x 4) + (43.8 x 1)	62.1 x 5
	Number of Revolution	rev/min	3,600 x 5	3,600 x 5	3,600 x 5
	Motor Output x Number	W x No.	(5,300 x 4) + (4,200 x 1)	(5,300 x 4) + (4,200 x 1)	5,300 x 5
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)	(900 x 4) + (1,200 x 1)
	Air Flow Rate(High)	m^3/min	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)	(320 x 2) + (240 x 1)
		ft^3/min	(11,301 x 2) + (8,476 x 1)	(11,301 x 2) + (8,476 x 1)	(11,301 x 2) + (8,476 x 1)
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
	High Pressure Gas Pipe	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
Pipe Connections #2	Liquid Pipe	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Dimensions(W x H x D)		mm	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 2 + (930 x 1,690 x 760) x 1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 2 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	(310 x 1) + (300 x 1) + (215 x 1)	(310 x 1) + (300 x 1) + (215 x 1)	(310 x 2) + (215 x 1)
		lbs	(683 x 1) + (661 x 1) + (474 x 1)	(683 x 1) + (661 x 1) + (474 x 1)	(683 x 2) + (474 x 1)
Sound Pressure Level	Cooling	dB(A)	67.4	68.3	68.5
	Heating	dB(A)	69.5	69.8	70.4
Sound Power Level	Cooling	dB(A)	97.4	97.4	98.3
	Heating	dB(A)	101.0	101.4	102.2
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	42.5	42.5	43.5
		lbs	93.7	93.7	95.9
	t-CO_2 eq		88.7	88.7	90.8
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			64	64	64

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			62	64	66
Model Name	Combination Unit		ARUM620LTE5	ARUM640LTE5	ARUM660LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
Capacity	Cooling (Total)	kW	173.6	179.2	184.8
		Btu/h	592,300	611,400	630,500
	Cooling (Net/Rated)	kW	170.3	176.3	181.0
		Btu/h	581,100	601,600	617,600
	Heating (Total)	kW	192.6	198.9	205.2
		Btu/h	657,200	678,700	700,200
	Heating (Net/Rated)	kW	168.6	173.9	180.1
		Btu/h	575,300	593,400	614,600
Power Input	Cooling (Total)	kW	43.48	45.69	45.71
	Heating (Total)	kW	47.32	49.99	49.54
EER	Total		3.99	3.92	4.04
	Net		3.43	3.34	3.45
COP	Total		4.07	3.98	4.14
	Net		4.24	4.06	4.30
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 x 5	62.1 x 5	(62.1 x 5) + (43.8 x 1)
	Number of Revolution	rev/min	3,600 x 5	3,600 x 5	3,600 x 6
	Motor Output x Number	W x No.	5,300 x 5	5,300 x 5	(5,300 x 5) + (4,200 x 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 6	900 x 6	900 x 6
	Air Flow Rate(High)	m^3/min	320 x 3	320 x 3	320 x 3
		ft^3/min	11,301 x 3	11,301 x 3	11,301 x 3
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Low Pressure Gas Pipe	mm(inch)	44.5(1-3/4)	44.5(1-3/4)	53.98(2-1/8)
	High Pressure Gas Pipe	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	44.5(1-3/4)
Pipe Connections #2	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm(inch)	44.5(1-3/4)	44.5(1-3/4)	53.98(2-1/8)
Dimensions(W x H x D)		mm	(1,240 x1,690 x 760) x 3	(1,240 x1,690 x 760) x 3	(1,240 x1,690 x 760) x 3
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 3	(48-13/16 x 66-17/32 x 29-29/32) x 3	(48-13/16 x 66-17/32 x 29-29/32) x 3
Net Weight		kg	(310 x 2) + (242 x 1)	(310 x 2) + (242 x 1)	(310 x 2) + (300 x 1)
		lbs	(683 x 2) + (534 x 1)	(683 x 2) + (534 x 1)	(683 x 2) + (661 x 1)
Sound Pressure Level	Cooling	dB(A)	68.6	68.7	68.8
	Heating	dB(A)	70.5	70.6	70.6
Sound Power Level	Cooling	dB(A)	98.5	98.6	99.0
	Heating	dB(A)	102.5	102.6	102.8
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	47.5	47.5	50.0
		lbs	104.7	104.7	110.2
	t-CO_2 eq		99.2	99.2	104.4
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			64	64	64

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			68	70	72
Model Name	Combination Unit		ARUM680LTE5	ARUM700LTE5	ARUM720LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM200LTE5	ARUM220LTE5	ARUM240LTE5
Capacity	Cooling (Total)	kW	190.4	196.0	201.6
		Btu/h	649,600	668,800	687,900
	Cooling (Net/Rated)	kW	186.8	192.0	198.0
		Btu/h	637,400	655,200	675,600
	Heating (Total)	kW	211.5	217.8	222.8
		Btu/h	721,700	743,200	760,100
	Heating (Net/Rated)	kW	186.1	190.1	195.9
		Btu/h	635,000	648,700	668,500
Power Input	Cooling (Total)	kW	47.57	50.50	52.20
	Heating (Total)	kW	52.29	54.36	56.40
EER	Total		4.00	3.88	3.86
	Net		3.43	3.34	3.34
COP	Total		4.05	4.01	3.95
	Net		4.21	4.16	4.32
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 x 5) + (43.8 x 1)	(62.1 x 5) + (43.8 x 1)	62.1 x 6
	Number of Revolution	rev/min	3,600 x 6	3,600 x 6	3,600 x 6
	Motor Output x Number	W x No.	(5,300 x 5) + (4,200 x 1)	(5,300 x 5) + (4,200 x 1)	5,300 x 6
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 6	900 x 6	900 x 6
	Air Flow Rate(High)	m^3/min	320 x 3	320 x 3	320 x 3
		ft^3/min	11,301 x 3	11,301 x 3	11,301 x 3
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Low Pressure Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
	High Pressure Gas Pipe	mm(inch)	44.5(1-3/4)	44.5(1-3/4)	44.5(1-3/4)
Pipe Connections #2	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W x H x D)		mm	(1,240 x1,690 x 760) x 3	(1,240 x1,690 x 760) x 3	(1,240 x1,690 x 760) x 3
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 3	(48-13/16 x 66-17/32 x 29-29/32) x 3	(48-13/16 x 66-17/32 x 29-29/32) x 3
Net Weight		kg	(310 x 2) + (300 x 1)	(310 x 2) + (300 x 1)	310 x 3
		lbs	(683 x 2) + (661 x 1)	(683 x 2) + (661 x 1)	683 x 3
Sound Pressure Level	Cooling	dB(A)	69.0	69.6	69.8
	Heating	dB(A)	71.1	71.3	71.8
Sound Power Level	Cooling	dB(A)	99.2	99.2	99.8
	Heating	dB(A)	103.0	103.2	103.8
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	50.0	50.0	51.0
		lbs	110.2	110.2	112.4
	t-CO_2 eq		104.4	104.4	106.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			64	64	64

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			74	76	78
Model Name	Combination Unit		ARUM740LTE5	ARUM760LTE5	ARUM780LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
			ARUM120LTE5	ARUM120LTE5	ARUM120LTE5
Capacity	Cooling (Total)	kW	207.2	212.8	218.4
		Btu/h	707,000	726,100	745,200
	Cooling (Net/Rated)	kW	202.8	208.8	213.5
		Btu/h	692,000	712,500	728,500
	Heating (Total)	kW	230.4	236.7	243.0
		Btu/h	786,200	807,700	829,200
	Heating (Net/Rated)	kW	201.9	207.2	213.4
		Btu/h	688,900	707,000	728,200
Power Input	Cooling (Total)	kW	51.06	53.27	53.29
	Heating (Total)	kW	55.58	58.25	57.80
EER	Total		4.06	3.99	4.10
	Net		3.50	3.41	3.52
COP	Total		4.15	4.06	4.20
	Net		4.23	4.08	4.28
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 x 6	62.1 x 6	(62.1 x 6) + (43.8 x 1)
	Number of Revolution	rev/min	3,600 x 6	3,600 x 6	3,600 x 6
	Motor Output x Number	W x No.	5,300 x 6	5,300 x 6	(5,300 x 6) + (4,200 x 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)
	Air Flow Rate(High)	m^3/min	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)
		ft^3/min	(11,301 x 3) + (8,476 x 1)	(11,301 x 3) + (8,476 x 1)	(11,301 x 3) + (8,476 x 1)
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Low Pressure Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
	High Pressure Gas Pipe	mm(inch)	44.5(1-3/4)	44.5(1-3/4)	44.5(1-3/4)
Pipe Connections #2	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W x H x D)		mm	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 3 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 3 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 3 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	(310 x 2) + (242 x 1) + (215 x 1)	(310 x 2) + (242 x 1) + (215 x 1)	(310 x 2) + (300 x 1) + (215 x 1)
		lbs	(683 x 2) + (534 x 1) + (474 x 1)	(683 x 2) + (534 x 1) + (474 x 1)	(683 x 2) + (661 x 1) + (474 x 1)
Sound Pressure Level	Cooling	dB(A)	69.1	69.2	69.2
	Heating	dB(A)	70.9	70.9	71.0
Sound Power Level	Cooling	dB(A)	98.8	98.9	99.2
	Heating	dB(A)	102.7	102.8	103.0
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	57.0	57.0	59.5
		lbs	125.7	125.7	131.2
	t-CO_2 eq		119.0	119.0	124.2
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			64	64	64

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			80	82	84
Model Name	Combination Unit		ARUM800LTE5	ARUM820LTE5	ARUM840LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM200LTE5	ARUM220LTE5	ARUM240LTE5
			ARUM120LTE5	ARUM120LTE5	ARUM120LTE5
Capacity	Cooling (Total)	kW	224.0	229.6	235.2
		Btu/h	764,300	783,400	802,500
	Cooling (Net/Rated)	kW	219.3	224.5	230.5
		Btu/h	748,300	766,000	786,500
	Heating (Total)	kW	249.3	255.6	260.6
		Btu/h	850,700	872,100	889,100
	Heating (Net/Rated)	kW	219.4	223.4	229.2
		Btu/h	748,600	762,300	782,100
Power Input	Cooling (Total)	kW	55.15	58.08	59.78
	Heating (Total)	kW	60.55	62.62	64.66
EER	Total		4.06	3.95	3.93
	Net		3.49	3.41	3.41
COP	Total		4.12	4.08	4.03
	Net		4.20	4.16	4.30
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 x 6) + (43.8 x 1)	(62.1 x 6) + (43.8 x 1)	62.1 x 7
	Number of Revolution	rev/min	3,600 x 6	3,600 x 6	3,600 x 7
	Motor Output x Number	W x No.	(5,300 x 6) + (4,200 x 1)	(5,300 x 6) + (4,200 x 1)	5,300 x 7
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)	(900 x 6) + (1,200 x 1)
	Air Flow Rate(High)	m^3/min	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)	(320 x 3) + (240 x 1)
		ft^3/min	(11,301 x 3) + (8,476 x 1)	(11,301 x 3) + (8,476 x 1)	(11,301 x 3) + (8,476 x 1)
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Low Pressure Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
	High Pressure Gas Pipe	mm(inch)	44.5(1-3/4)	44.5(1-3/4)	44.5(1-3/4)
Pipe Connections #2	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W x H x D)		mm	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1	(1,240 x 1,690 x 760) x 3 + (930 x 1,690 x 760) x 1
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 3 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 3 + (36-5/8 x 66-17/32 x 29-29/32) x 1	(48-13/16 x 66-17/32 x 29-29/32) x 3 + (36-5/8 x 66-17/32 x 29-29/32) x 1
Net Weight		kg	(310 x 2) + (300 x 1) + (215 x 1)	(310 x 2) + (300 x 1) + (215 x 1)	(310 x 3) + (215 x 1)
		lbs	(683 x 2) + (661 x 1) + (474 x 1)	(683 x 2) + (661 x 1) + (474 x 1)	(683 x 3) + (474 x 1)
Sound Pressure Level	Cooling	dB(A)	69.4	70.0	70.1
	Heating	dB(A)	71.4	71.6	72.1
Sound Power Level	Cooling	dB(A)	99.4	99.4	99.9
	Heating	dB(A)	103.2	103.4	103.9
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	59.5	59.5	60.5
		lbs	131.2	131.2	133.4
	t-CO_2 eq		124.2	124.2	126.3
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			64	64	64

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			86	88	90
Model Name	Combination Unit		ARUM860LTE5	ARUM880LTE5	ARUM900LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM140LTE5	ARUM160LTE5	ARUM180LTE5
Capacity	Cooling (Total)	kW	240.8	246.4	252.0
		Btu/h	821,600	840,700	859,800
	Cooling (Net/Rated)	kW	236.3	242.3	247.0
		Btu/h	806,300	826,800	842,800
	Heating (Total)	kW	266.9	273.2	279.5
		Btu/h	910,600	932,000	953,500
	Heating (Net/Rated)	kW	233.9	239.2	245.4
		Btu/h	798,100	816,200	837,400
Power Input	Cooling (Total)	kW	60.88	63.09	63.11
	Heating (Total)	kW	66.12	68.79	68.34
EER	Total		3.96	3.91	3.99
	Net		3.41	3.34	3.42
COP	Total		4.04	3.97	4.09
	Net		4.26	4.13	4.31
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	62.1 x 7	62.1 x 7	(62.1 x 7) + (43.8 x 1)
	Number of Revolution	rev/min	3,600 x 7	3,600 x 7	3,600 x 8
	Motor Output x Number	W x No.	5,300 x 7	5,300 x 7	(5,300 x 7) + (4,200 x 1)
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 8	900 x 8	900 x 8
	Air Flow Rate(High)	m^3/min	320 x 4	320 x 4	320 x 4
		ft^3/min	11,301 x 4	11,301 x 4	11,301 x 4
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Low Pressure Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
	High Pressure Gas Pipe	mm(inch)	44.5(1-3/4)	44.5(1-3/4)	44.5(1-3/4)
Pipe Connections #2	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W x H x D)		mm	(1,240 x1,690 x 760) x 4	(1,240 x1,690 x 760) x 4	(1,240 x1,690 x 760) x 4
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 4	(48-13/16 x 66-17/32 x 29-29/32) x 4	(48-13/16 x 66-17/32 x 29-29/32) x 4
Net Weight		kg	(310 x 3) + (242 x 1)	(310 x 3) + (242 x 1)	(310 x 3) + (300 x 1)
		lbs	(683 x 3) + (534 x 1)	(683 x 3) + (534 x 1)	(683 x 3) + (661 x 1)
Sound Pressure Level	Cooling	dB(A)	70.2	70.3	70.3
	Heating	dB(A)	72.1	72.2	72.2
Sound Power Level	Cooling	dB(A)	100.1	100.2	100.4
	Heating	dB(A)	104.1	104.2	104.3
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	64.5	64.5	67.0
		lbs	142.2	142.2	147.7
	t-CO_2 eq		134.6	134.6	139.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			64	64	64

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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HP			92	94	96
Model Name	Combination Unit		ARUM920LTE5	ARUM940LTE5	ARUM960LTE5
	Independent Unit		ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM240LTE5	ARUM240LTE5	ARUM240LTE5
			ARUM200LTE5	ARUM220LTE5	ARUM240LTE5
Capacity	Cooling (Total)	kW	257.6	263.2	268.8
		Btu/h	878,900	898,000	917,100
	Cooling (Net/Rated)	kW	252.8	258.0	264.0
		Btu/h	862,600	880,300	900,800
	Heating (Total)	kW	285.8	292.1	297.0
		Btu/h	975,000	996,500	1,013,400
	Heating (Net/Rated)	kW	251.4	255.4	261.2
		Btu/h	857,800	871,500	891,300
Power Input	Cooling (Total)	kW	64.97	67.90	69.60
	Heating (Total)	kW	71.09	73.16	75.20
EER	Total		3.96	3.88	3.86
	Net		3.40	3.34	3.34
COP	Total		4.02	3.99	3.95
	Net		4.24	4.20	4.32
Power Factor	Rated	-	0.93	0.93	0.93
Heat Exchanger			Wide Louver Puls	Wide Louver Puls	Wide Louver Puls
Exterior	Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Piston Displacement	cm^3/rev	(62.1 x 7) + (43.8 x 1)	(62.1 x 7) + (43.8 x 1)	62.1 x 8
	Number of Revolution	rev/min	3,600 x 8	3,600 x 8	3,600 x 8
	Motor Output x Number	W x No.	(5,300 x 7) + (4,200 x 1)	(5,300 x 7) + (4,200 x 1)	5,300 x 8
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor Output x Number	W	900 x 8	900 x 8	900 x 8
	Air Flow Rate(High)	m^3/min	320 x 4	320 x 4	320 x 4
		ft^3/min	11,301 x 4	11,301 x 4	11,301 x 4
	External Static Perssure	Max., Pa	80	80	80
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections #1	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Low Pressure Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
	High Pressure Gas Pipe	mm(inch)	44.5(1-3/4)	44.5(1-3/4)	44.5(1-3/4)
Pipe Connections #2	Liquid Pipe	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions(W x H x D)		mm	(1,240 x1,690 x 760) x 4	(1,240 x1,690 x 760) x 4	(1,240 x1,690 x 760) x 4
		inch	(48-13/16 x 66-17/32 x 29-29/32) x 4	(48-13/16 x 66-17/32 x 29-29/32) x 4	(48-13/16 x 66-17/32 x 29-29/32) x 4
Net Weight		kg	(310 x 3) + (300 x 1)	(310 x 3) + (300 x 1)	310 x 4
		lbs	(683 x 3) + (661 x 1)	(683 x 3) + (661 x 1)	683 x 4
Sound Pressure Level	Cooling	dB(A)	70.4	70.9	71.0
	Heating	dB(A)	72.5	72.7	73.0
Sound Power Level	Cooling	dB(A)	100.6	100.6	101.0
	Heating	dB(A)	104.4	104.6	105.0
Protection Devices	High pressure protection	-	High pressure sensor / High pressure switch		
	Compressor/Fan	-	Over-heat protection / Fan driver overload protector		
	Inverter	-	Over-heat protection / Over-current protection		
Communication Cable (VCTF-SB)		No.xmm^2	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount	kg	67.0	67.0	68.0
		lbs	147.7	147.7	149.9
	t-CO_2 eq		139.9	139.9	142.0
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply		Ø , V, Hz	380~415, 3, 50	380~415, 3, 50	380~415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units ***			64	64	64

Notes:

1. Capacities are based on the following conditions:
   Cooling: - Indoor Temperature 27°C(80.6°F) DB/19°C(66.2°F) WB
   - Outdoor Temperature 35°C(95°F) DB/24°C(75.2°F) WB
   Heating: - Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB
   - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB
   Piping Length: - Interconnecting Piping Length 7.5m
   - Level Difference of Zero
2. Capacities are net capacity
3. EEV : Electronic Expansion Valve
4. Wiring cable size must comply with the applicable local and national code.
5. Due to our policy of innovation some specifications may be changed without prior notification

Conversion Formula
RT = kW x 0.284
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m^3/min x 35.3

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3. Functions

Category	Functions	Multi V 5
Reliability	Defrost / Deicing	O
	High pressure switch	O
	Phase protection	O
	Restart delay (3-minutes)	O
	Self diagnosis	O
	Soft start	O
	Test function	O
Convenience	Night Silent Operation	O
CAC network function	Network soluation(LGAP)	O
	Power Distribution Indicator	O

[Note]
O : Applied, X : Not applied
* Option : Model name & price are different according to options, and assembled in factory with main unit.
Accessory model name : Installed at field, ordered and purchased separately by the corresponding model name, supplied with separate package.
ex) Group control is not available for 4 way cassette which is connected with synchro models.

Device		Multi V 5
Central Controller	AC EZ	PQCSZ250S0
	AC EZ Touch	PACEZA000
	AC Smart IV	PACS4B000
	ACP IV	PACP4B000
	AC Manager IV **	PACM4B000
BNU (Building Network Unit)	ACP BACnet	PQNFB17C0
	ACP Lonworks	PLNWKB000
Installation	Y branch	Accessory
	Header branch	Accessory
	Air Guide	Accessory
Cool / Heat Selector		PRDSBM
Program	LG MV	Option

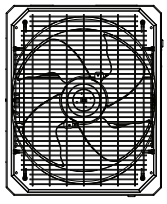
[Note]
O : Applied, X : Not applied
* Option : Model name & price are different according to options, and assembled in factory with main unit.
Accessory model name : Installed at field, ordered and purchased separately by the corresponding model name, supplied with separate package.
ex) Group control is not available for 4 way cassette which is connected with synchro models.

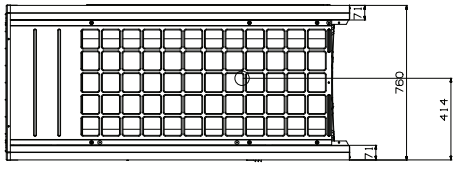
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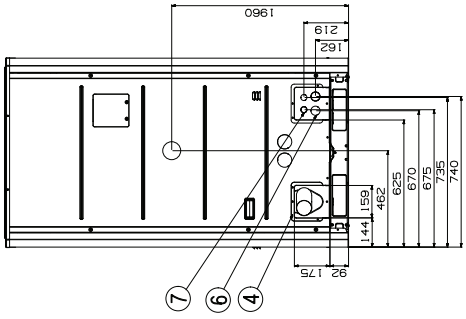
4. Dimensions

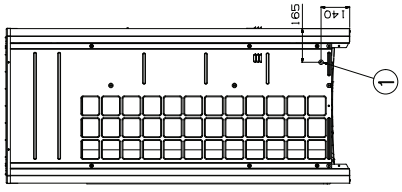
Outdoor Unit

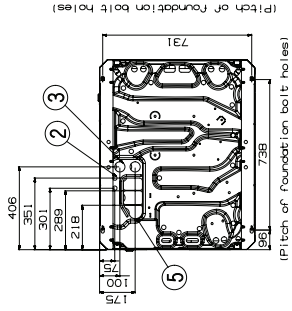
ARUM080LTE5
ARUM100LTE5
ARUM120LTE5











No.	Part Name	Description
7	Wire routing hole(front)	2-Ø30
6	Power cord routing hole(front)	2-Ø45
5	Pipe routing hole(bottom)	-
4	Pipe routing hole(front)	-
3	Power cord routing hole(bottom)	3-Ø50
2	Wire routiong hole(bottom)	2-Ø22.2
1	Leakage test hole(side)	Ø22.2

[Unit : mm]

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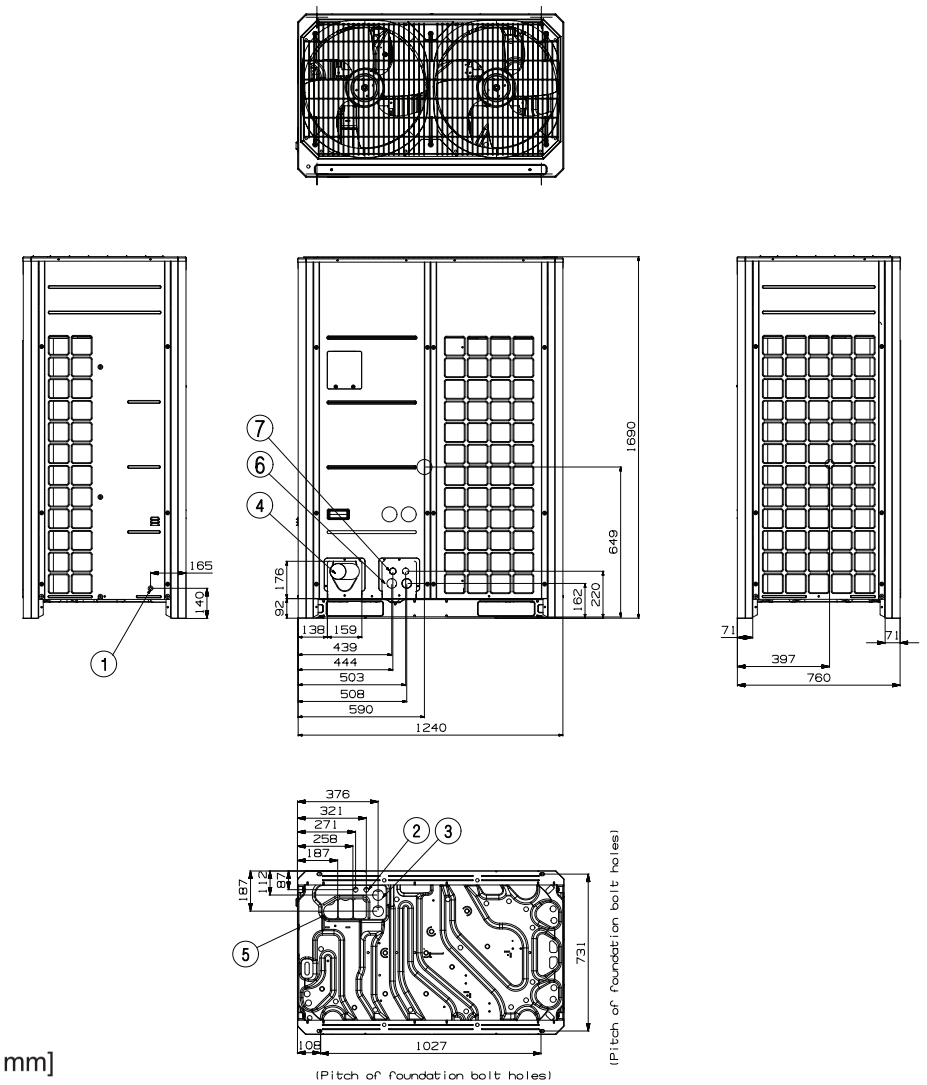
76, Seongsan-dong, Changwon City, Gyeongnam,
641-713, Korea

CHASSIS CODE: UXA

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Outdoor Unit

ARUM140LTE5 / ARUM160LTE5
ARUM180LTE5 / ARUM200LTE5
ARUM220LTE5 / ARUM240LTE5
ARUM260LTE5



[Unit : mm]

No.	Part Name	Description
5	Pipe routing hole(bottom)	-
4	Pipe routing hole(front)	-
3	Power cord routing hole(bottom)	2- Ø50
2	Wire routing hole(bottom)	2- Ø22.2
1	Leakage test hole(side)	Ø22.2

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76, Seongsan-dong, Changwon City, Gyeongnam,
641-713, Korea

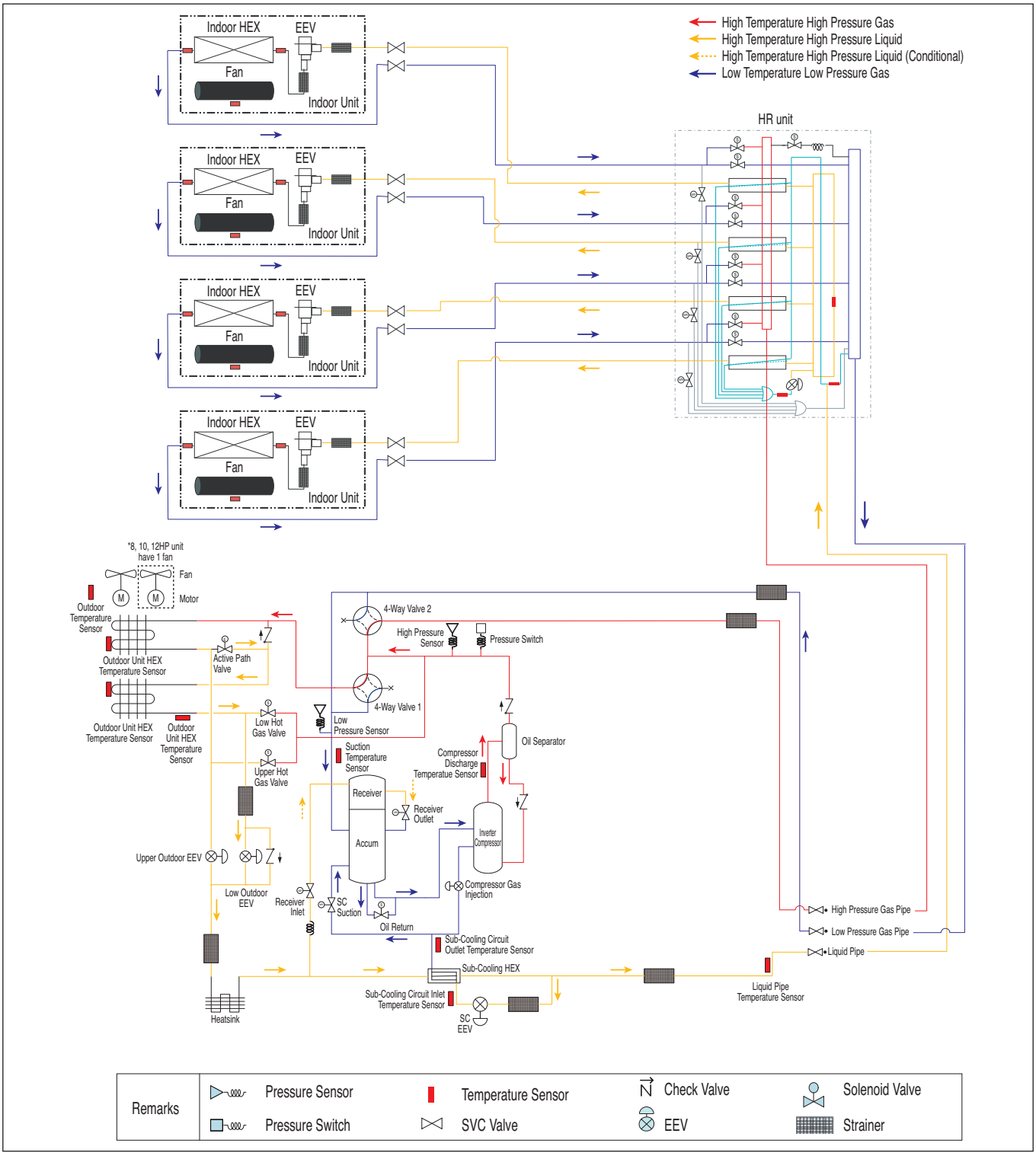
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5. Piping Diagrams

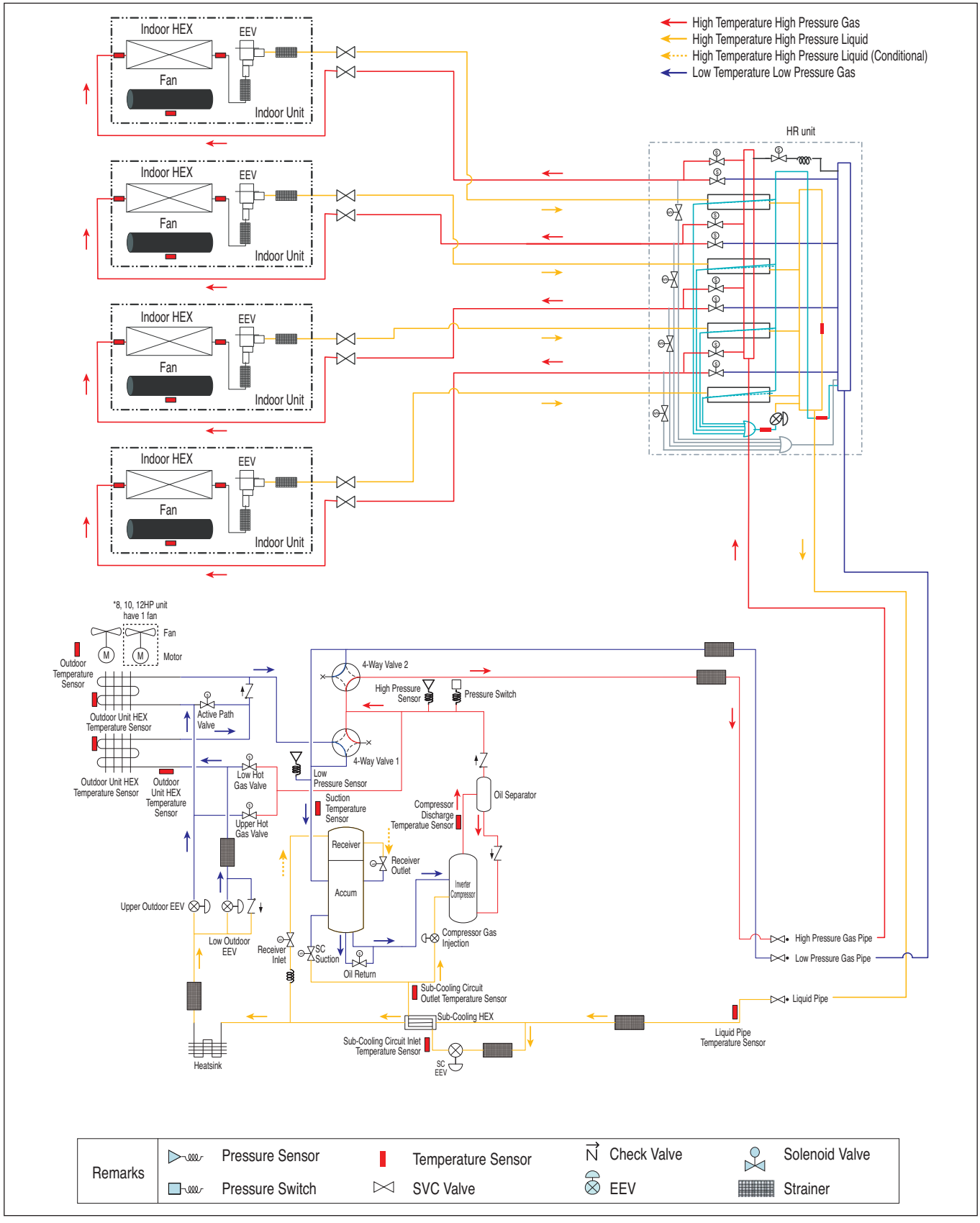
4.1.1 8~16HP

Heat Recovery – Cooling Mode



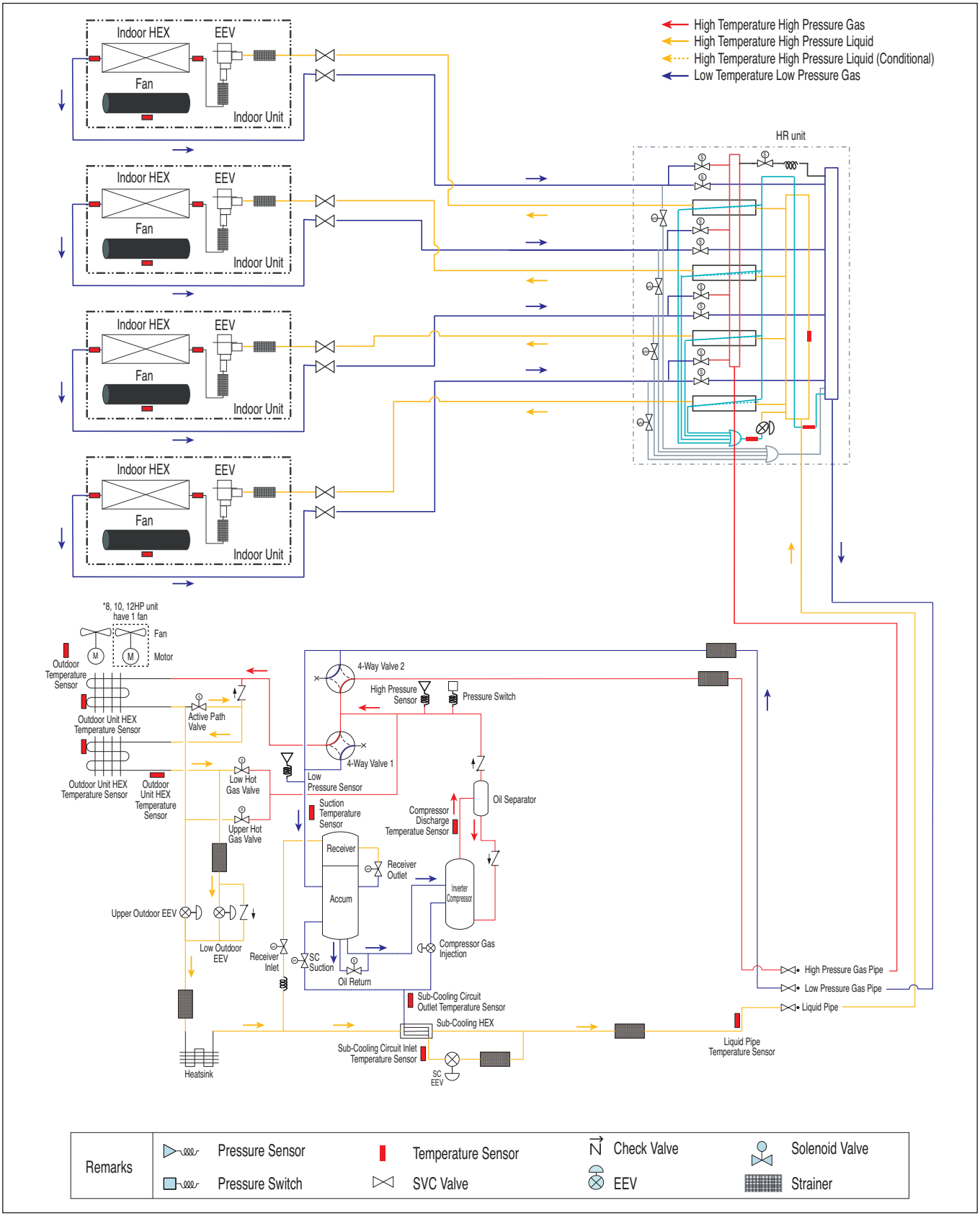
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Heat Recovery – Heating Mode



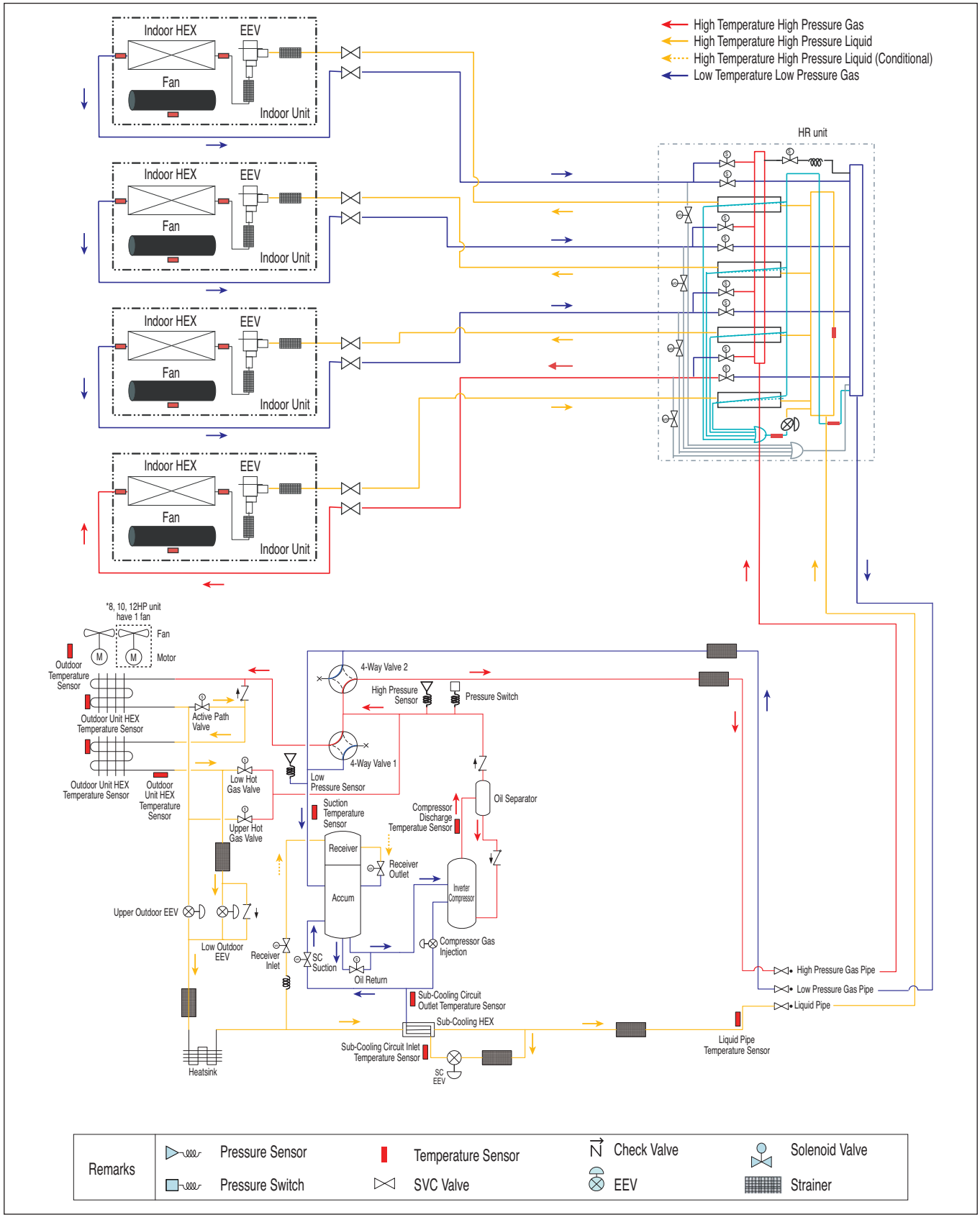
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Heat Recovery – Oil Return and Defrost Operation



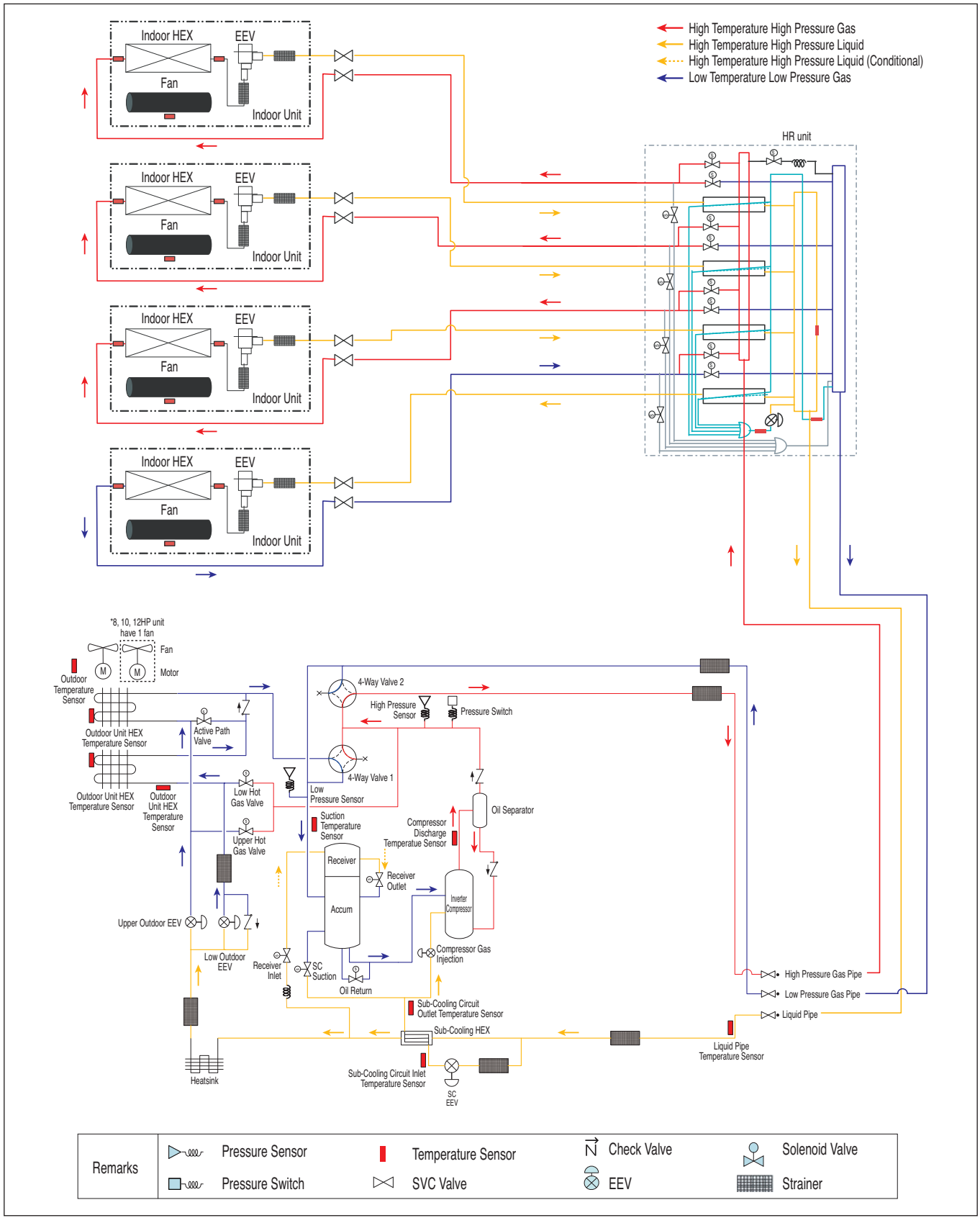
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Heat Recovery – Cooling-based Simul. Operation



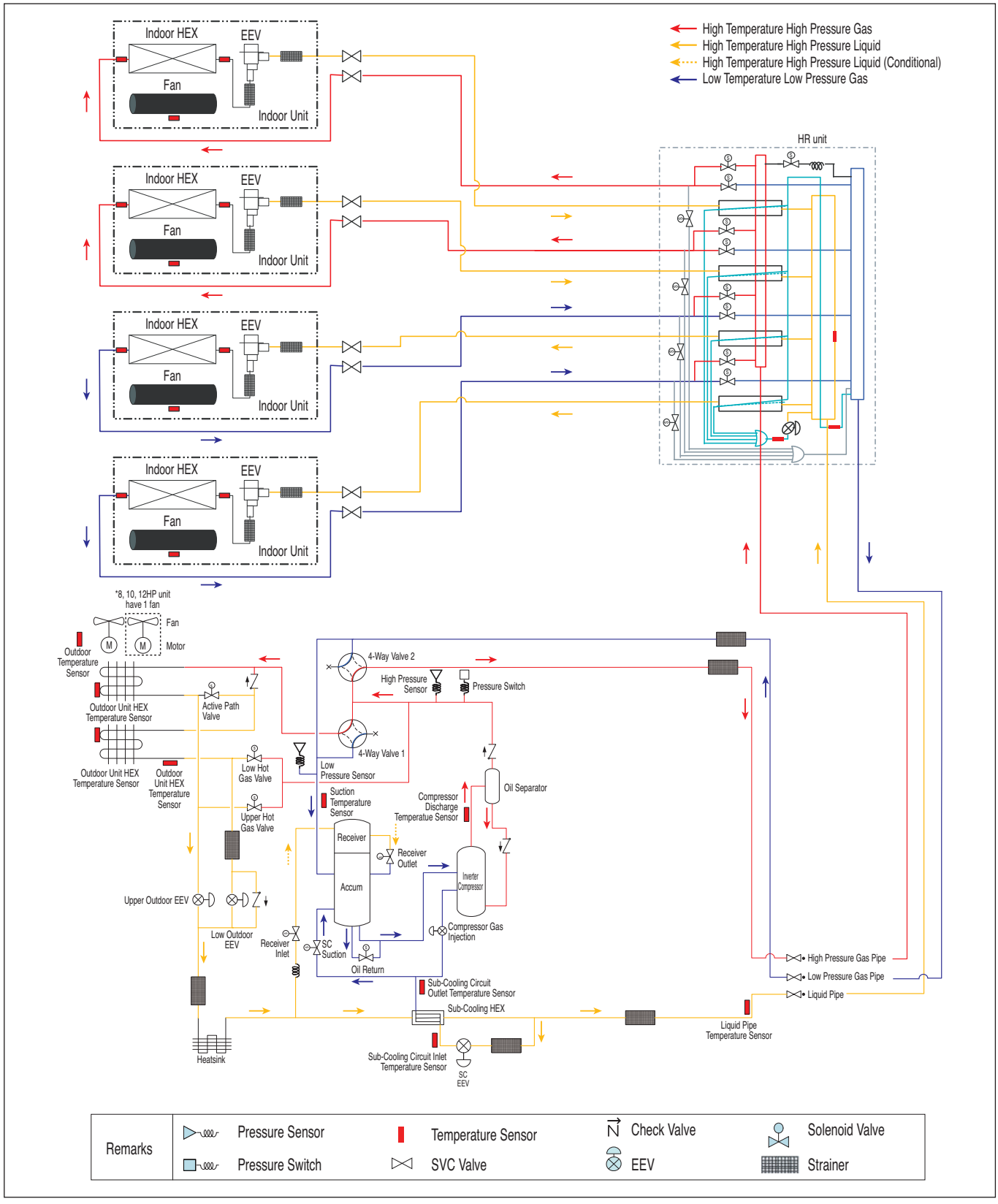
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Heat Recovery – Heating-based Simul. Operation



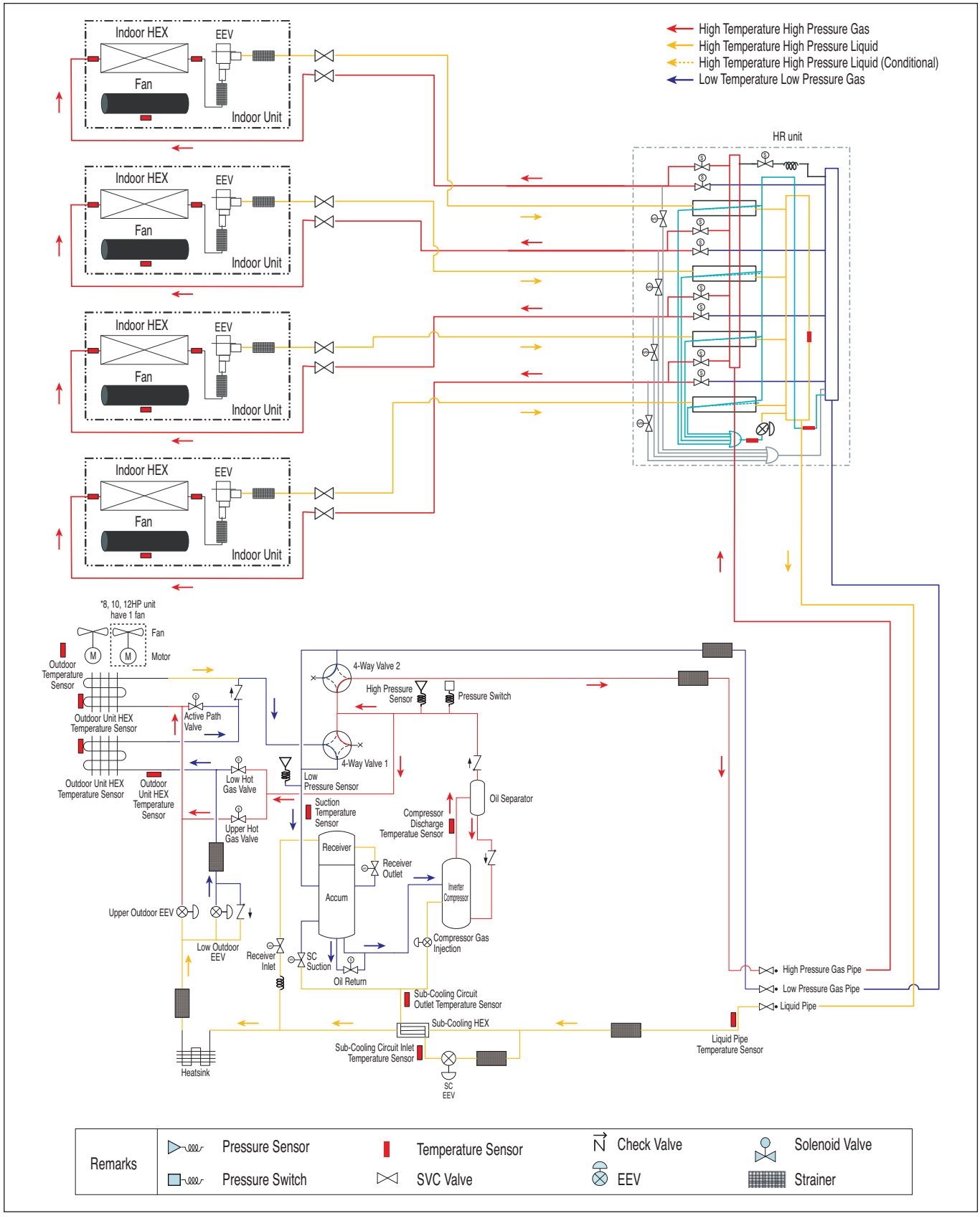
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Heat Recovery – Balanced Simul. Operation



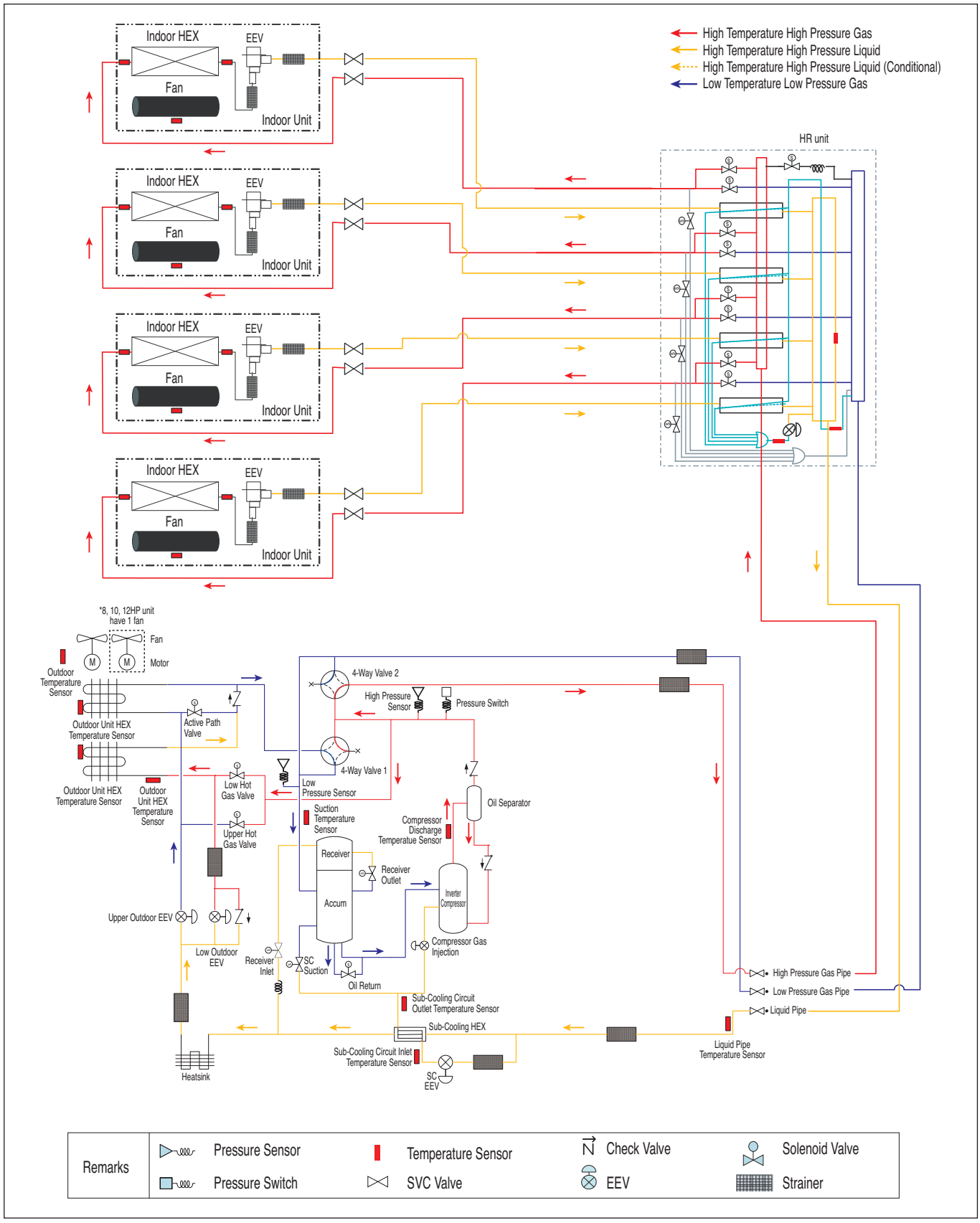
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Heat Recovery – Upper HEX Defrost Operation



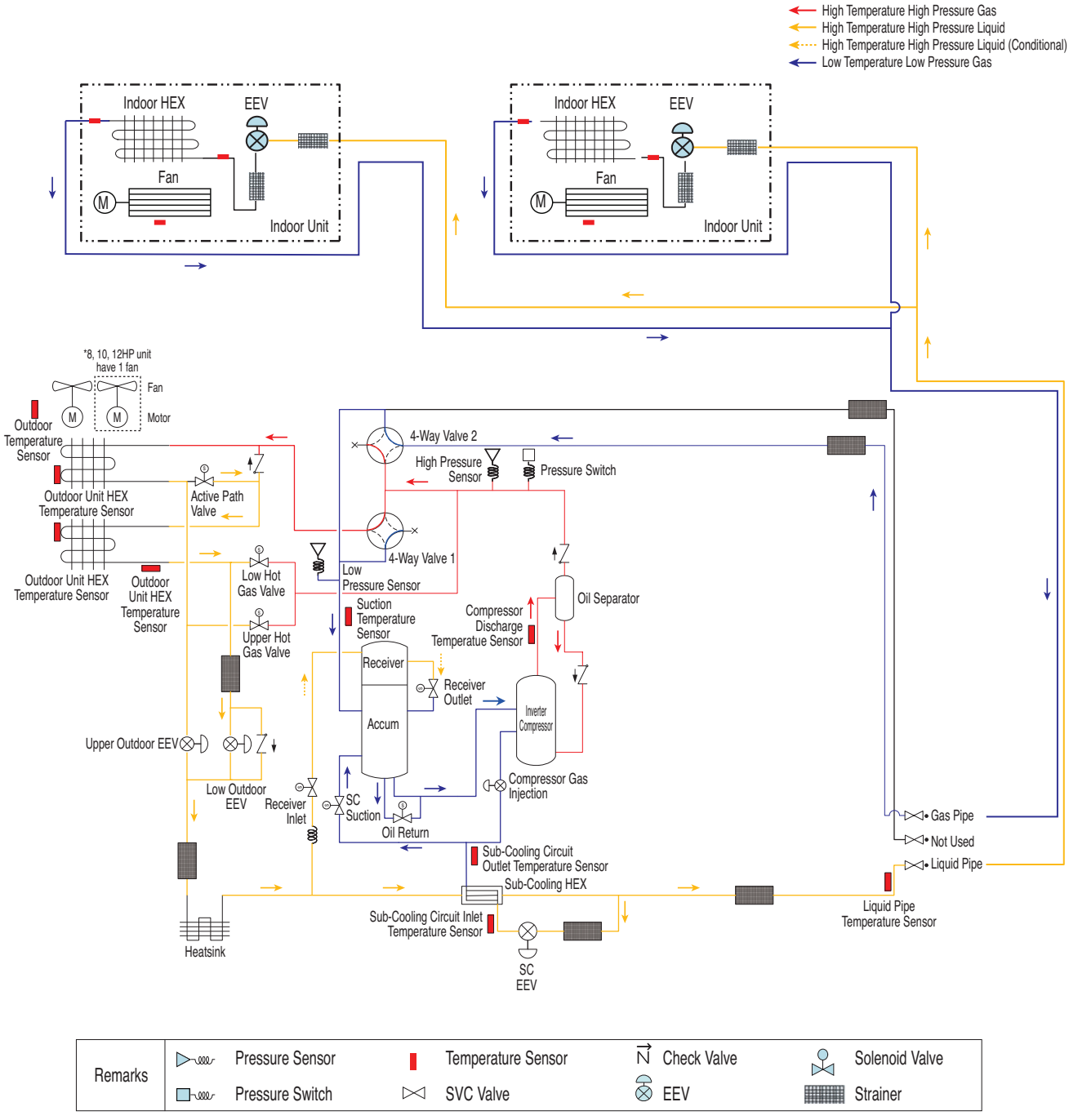
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Heat Recovery – Low HEX Defrost Operation



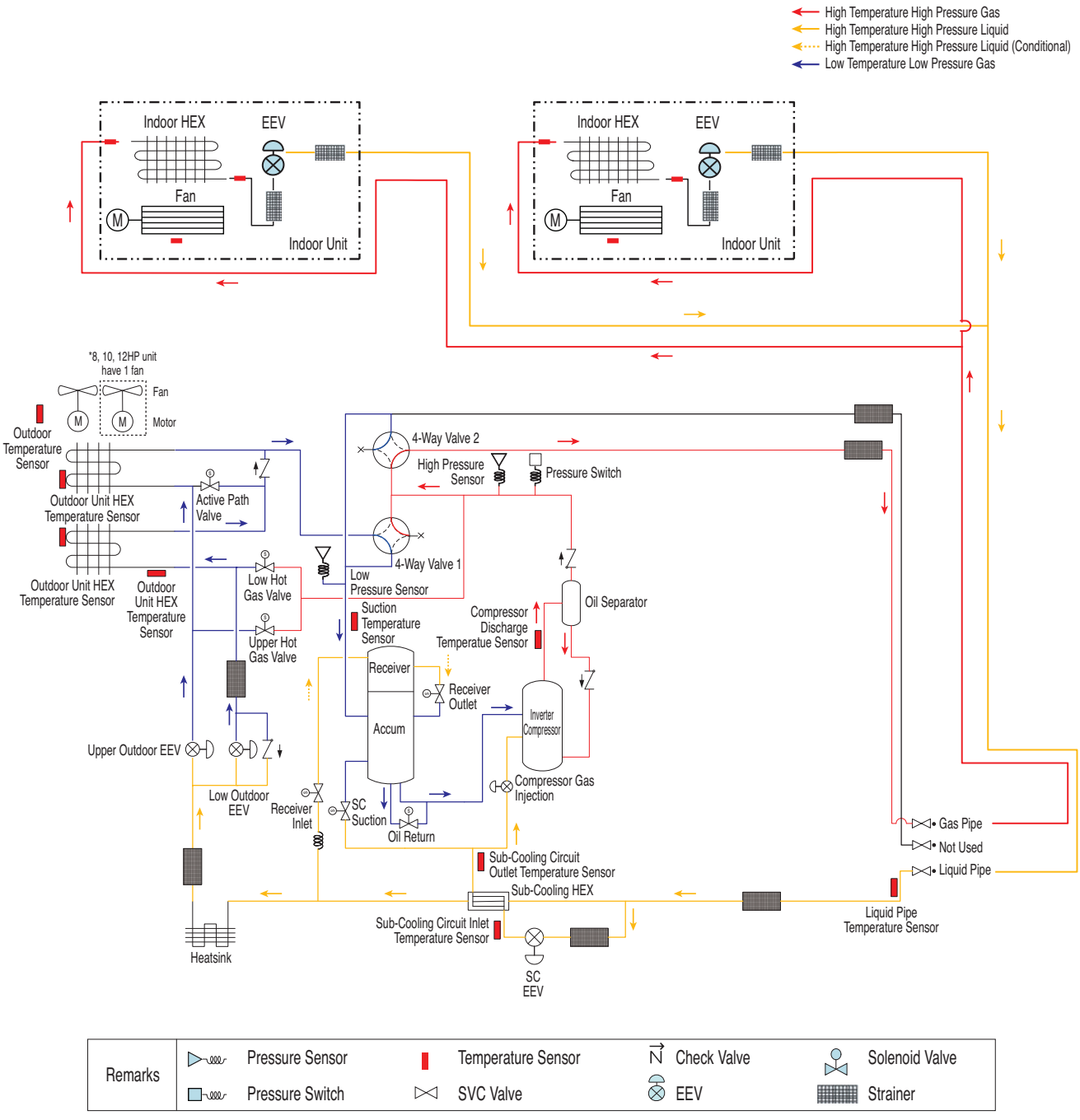
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Heat Pump – Cooling Mode



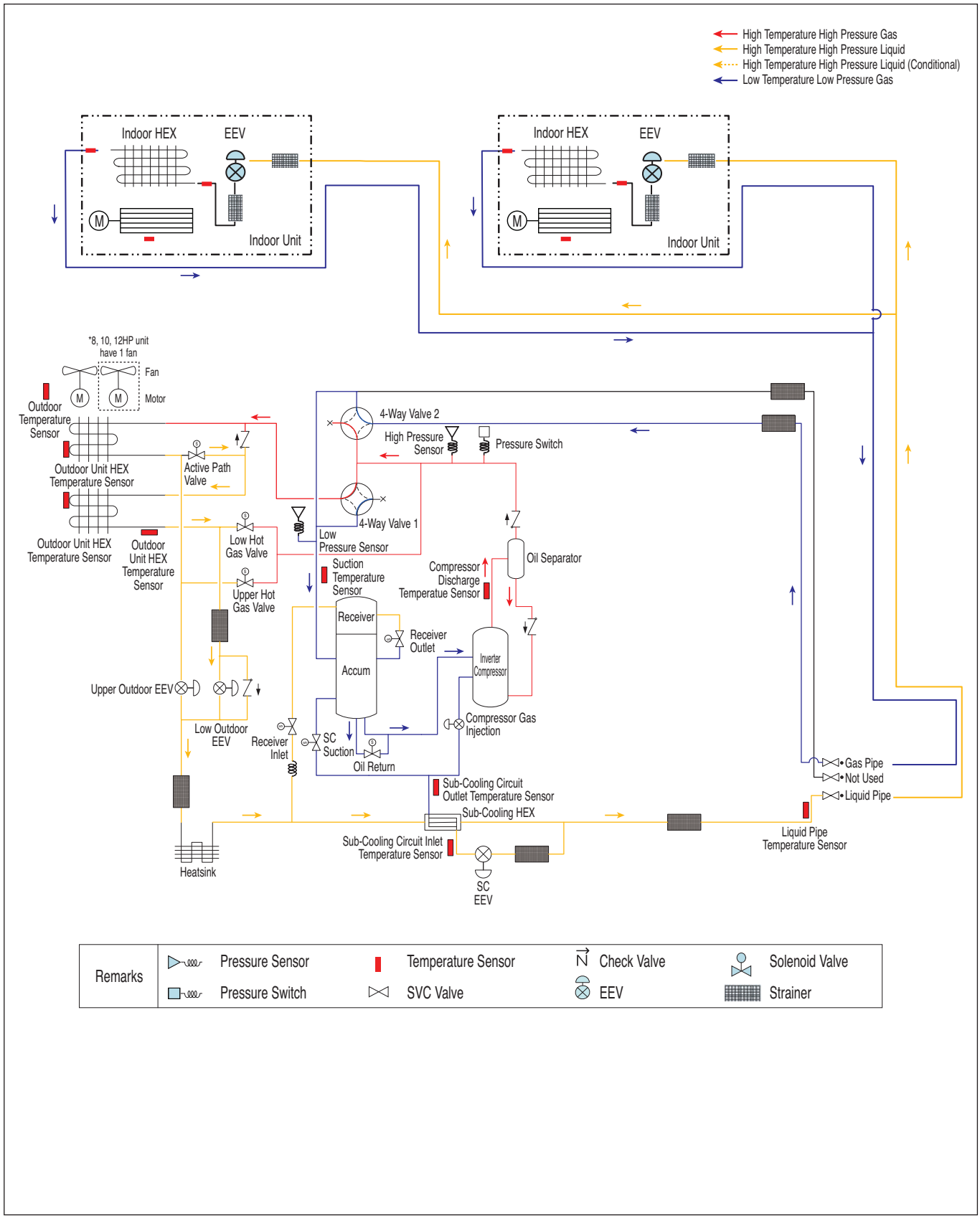
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Heat Pump – Heating Mode



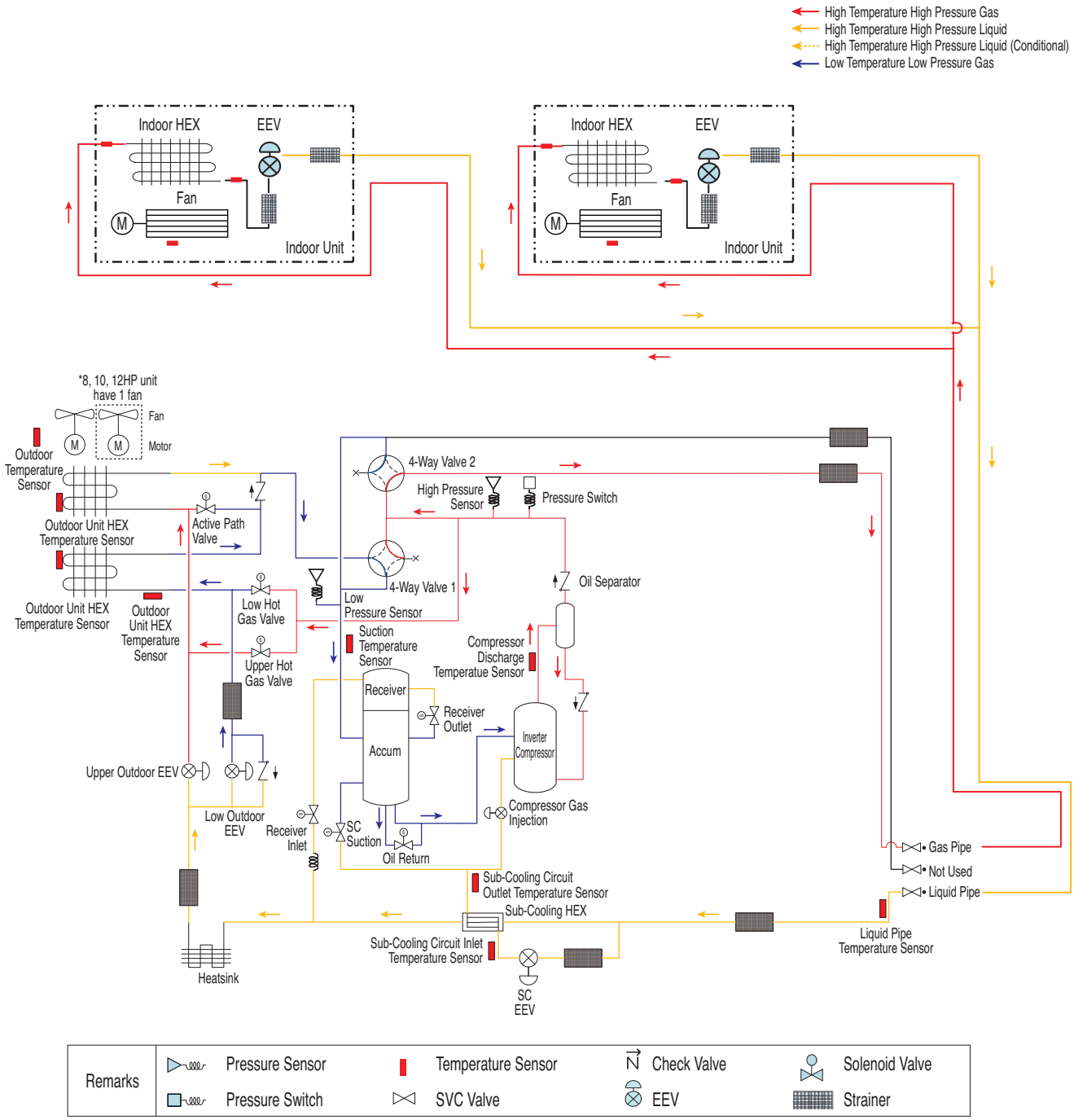
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Heat Pump – Oil Return and Defrost Operation



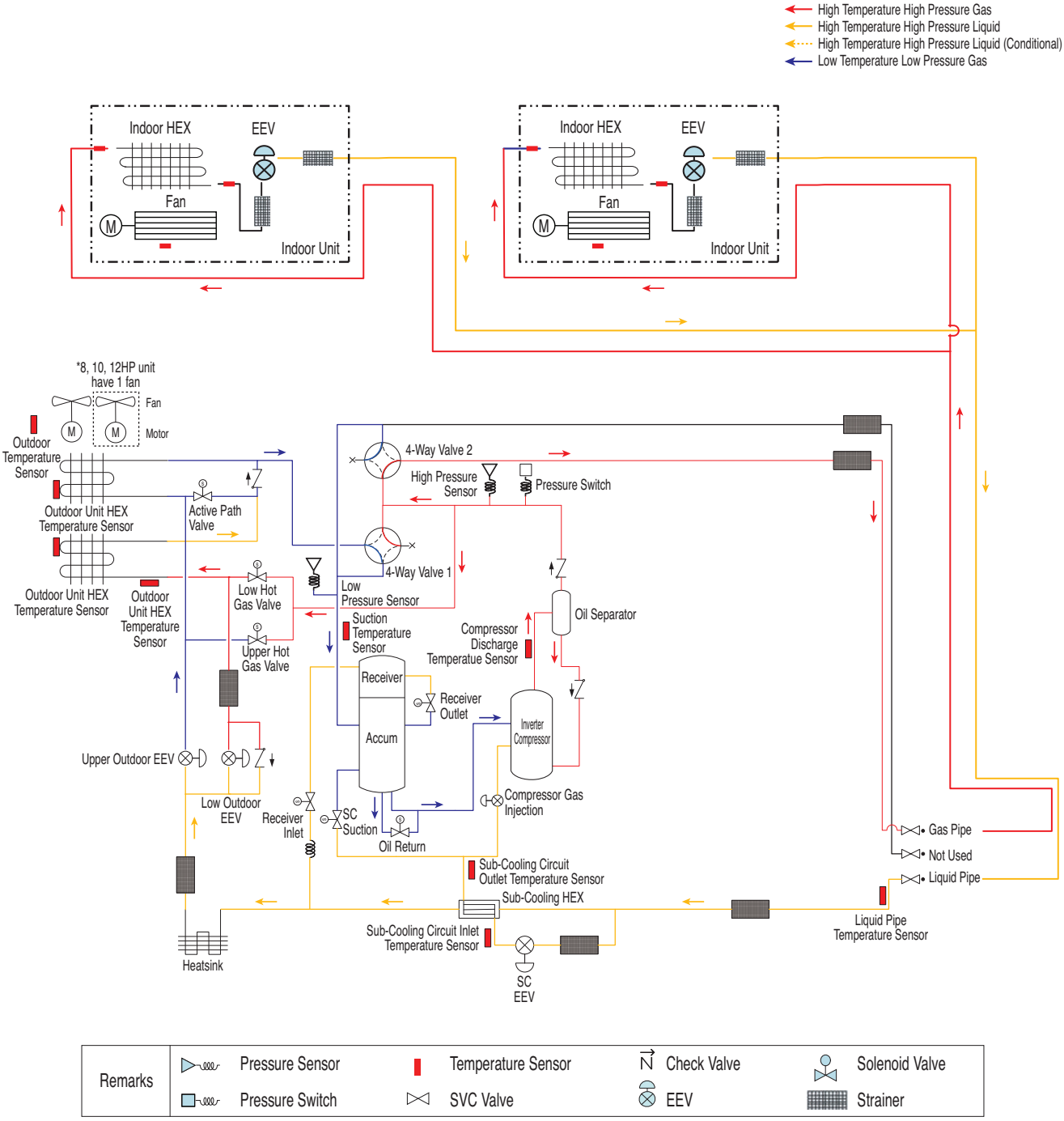
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Heat Pump – Upper HEX Defrost Operation



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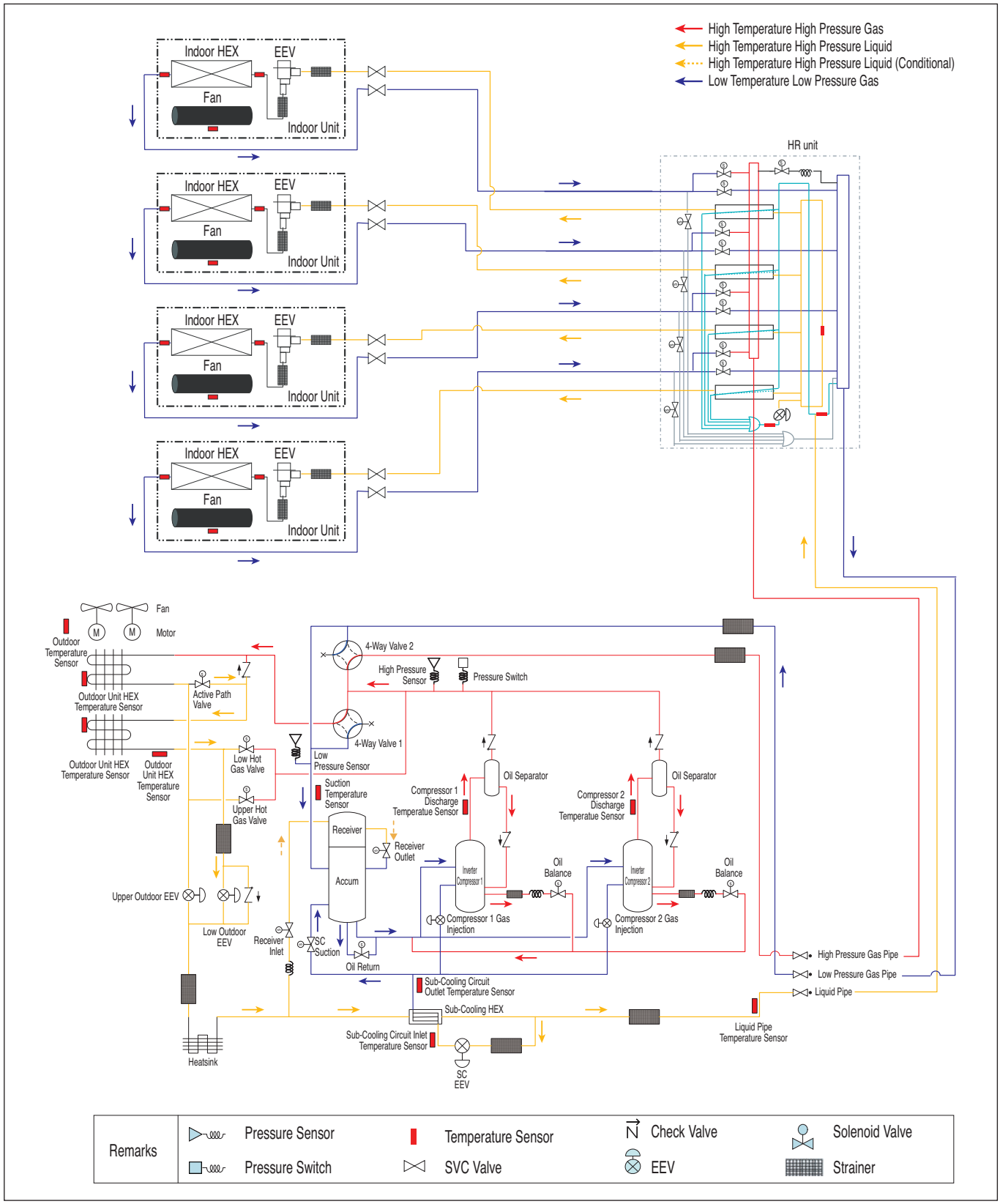
Heat Pump – Low HEX Defrost Operation



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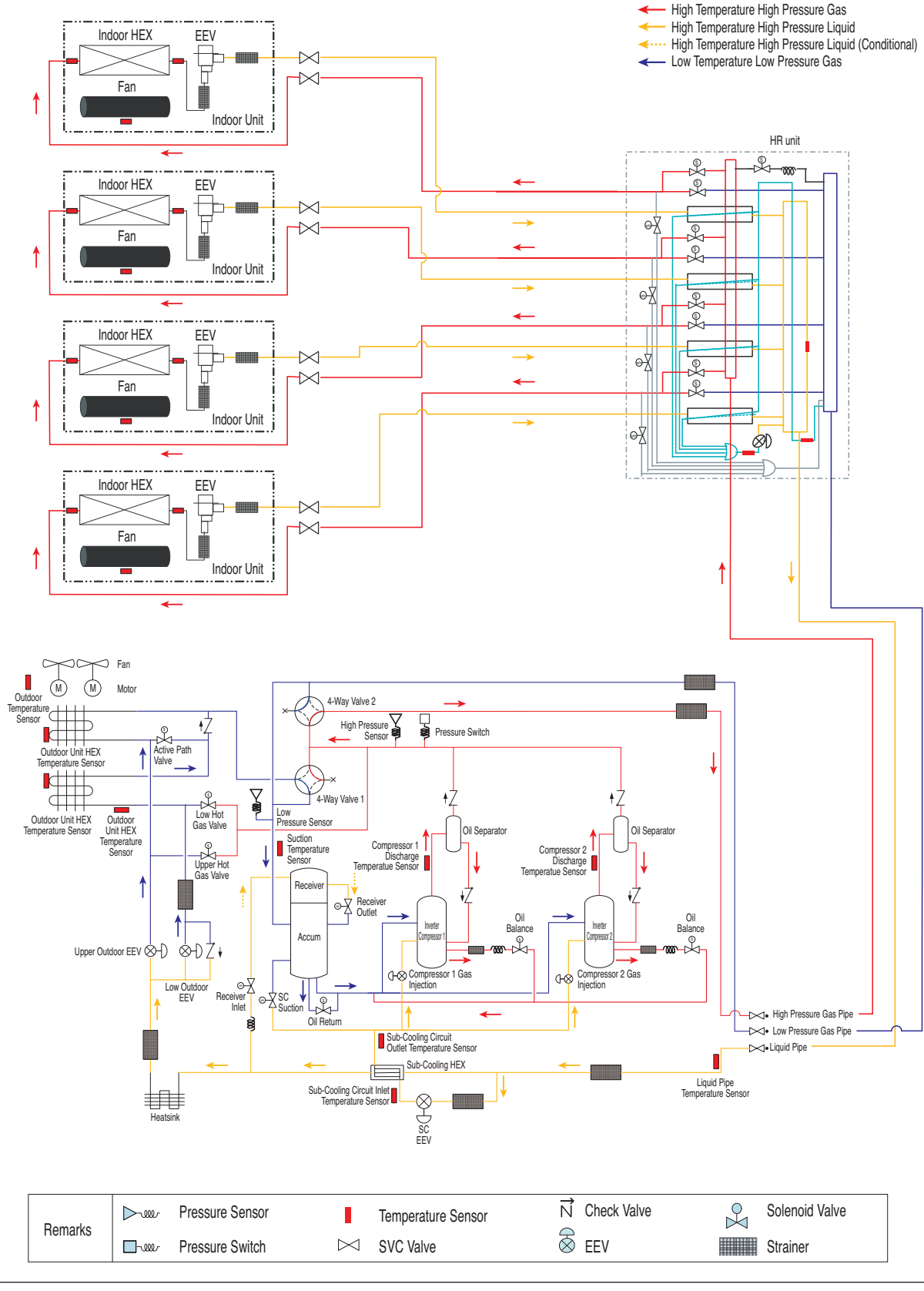
4.1.2 18~26HP

Heat Recovery – Cooling Mode



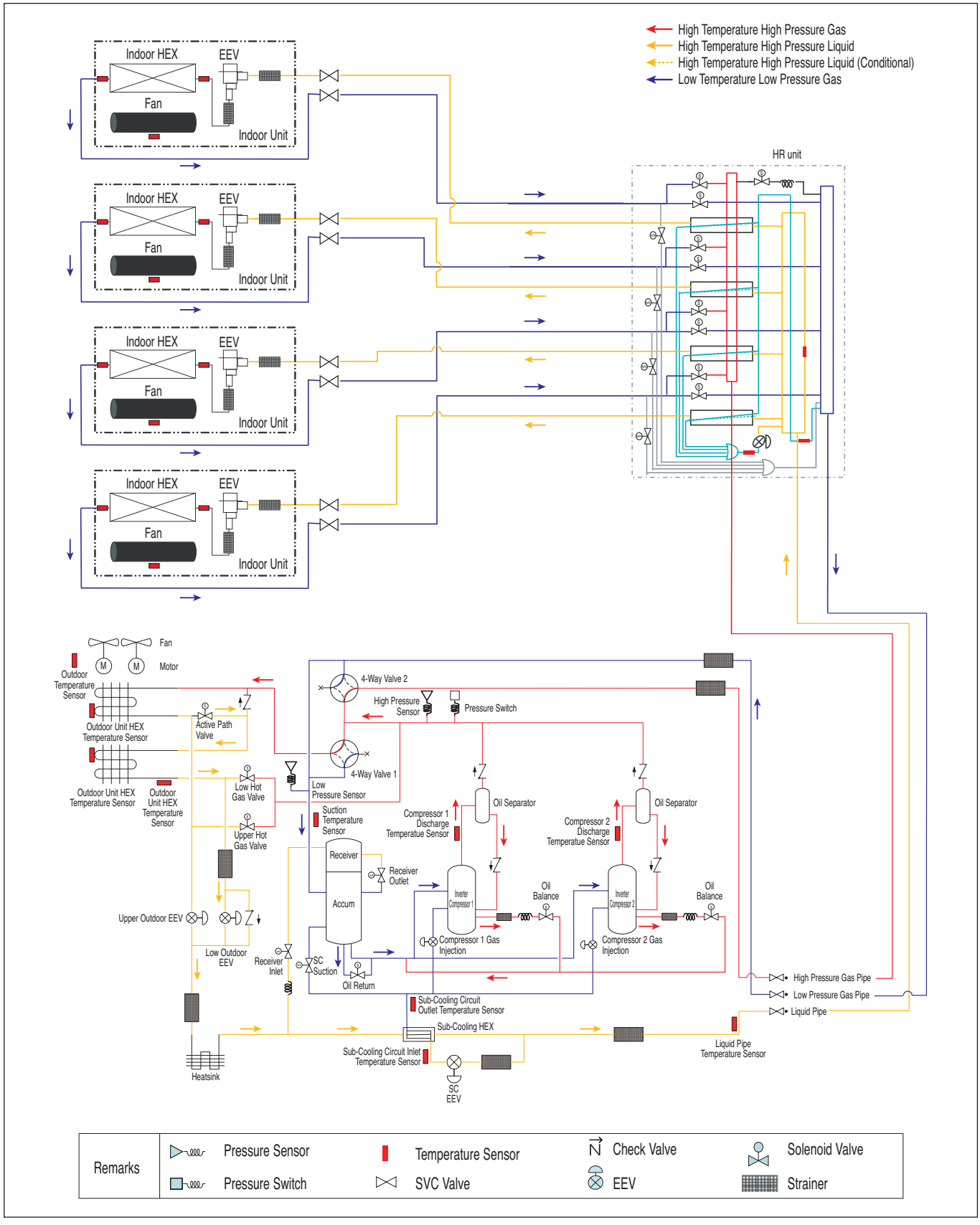
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Heat Recovery – Heating Mode



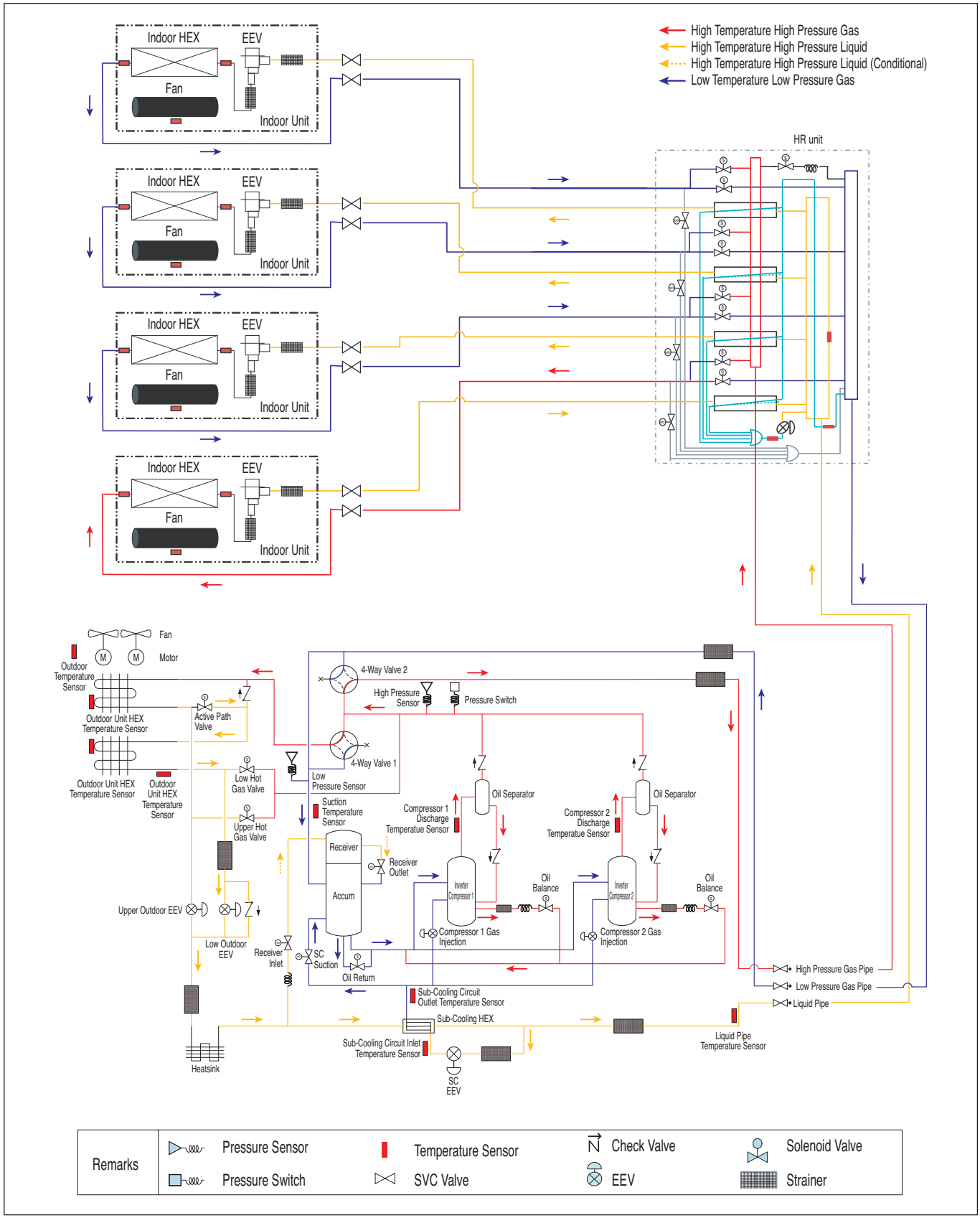
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Heat Recovery – Oil Return and Defrost Operation



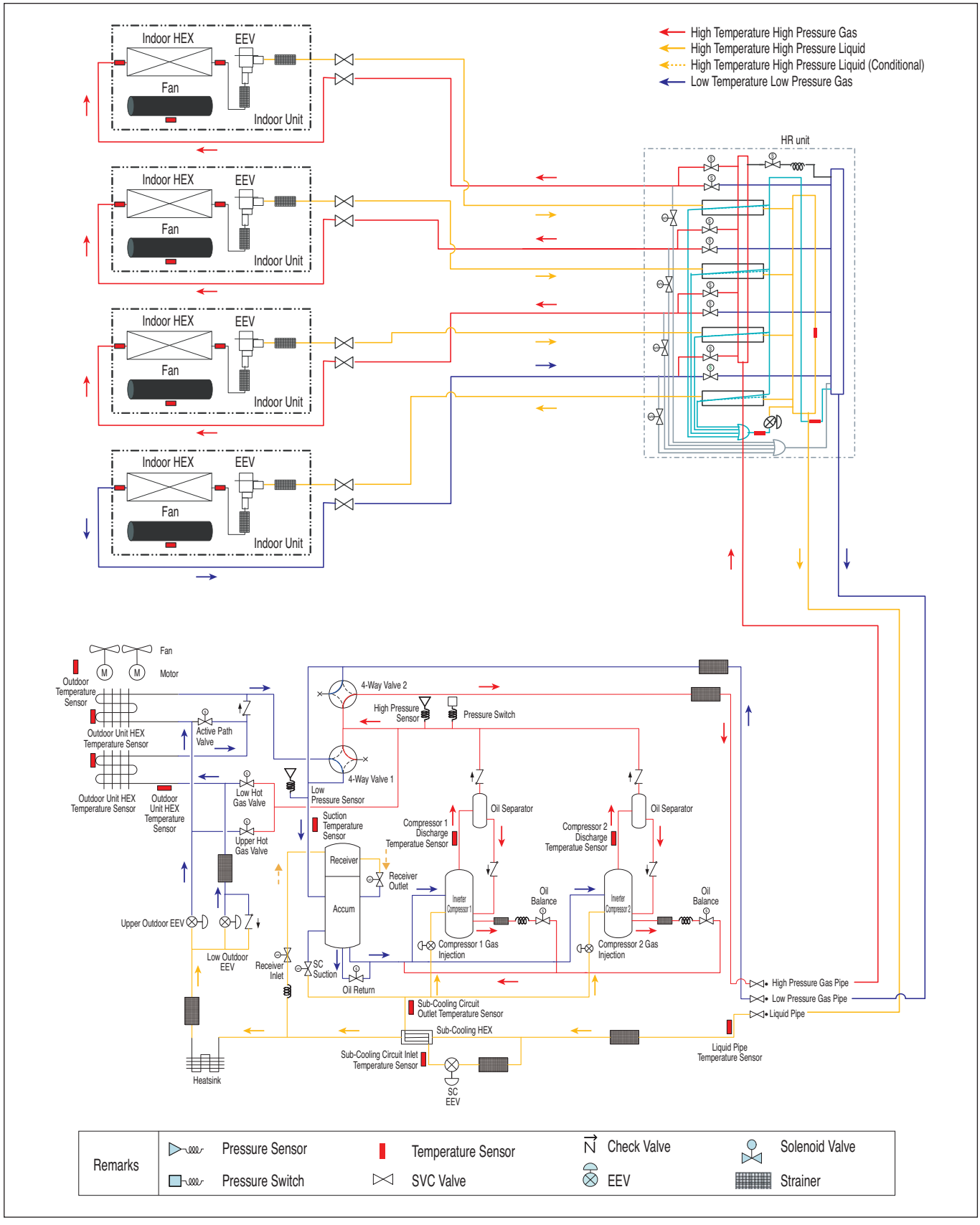
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Heat Recovery – Cooling-based Simul. Operation



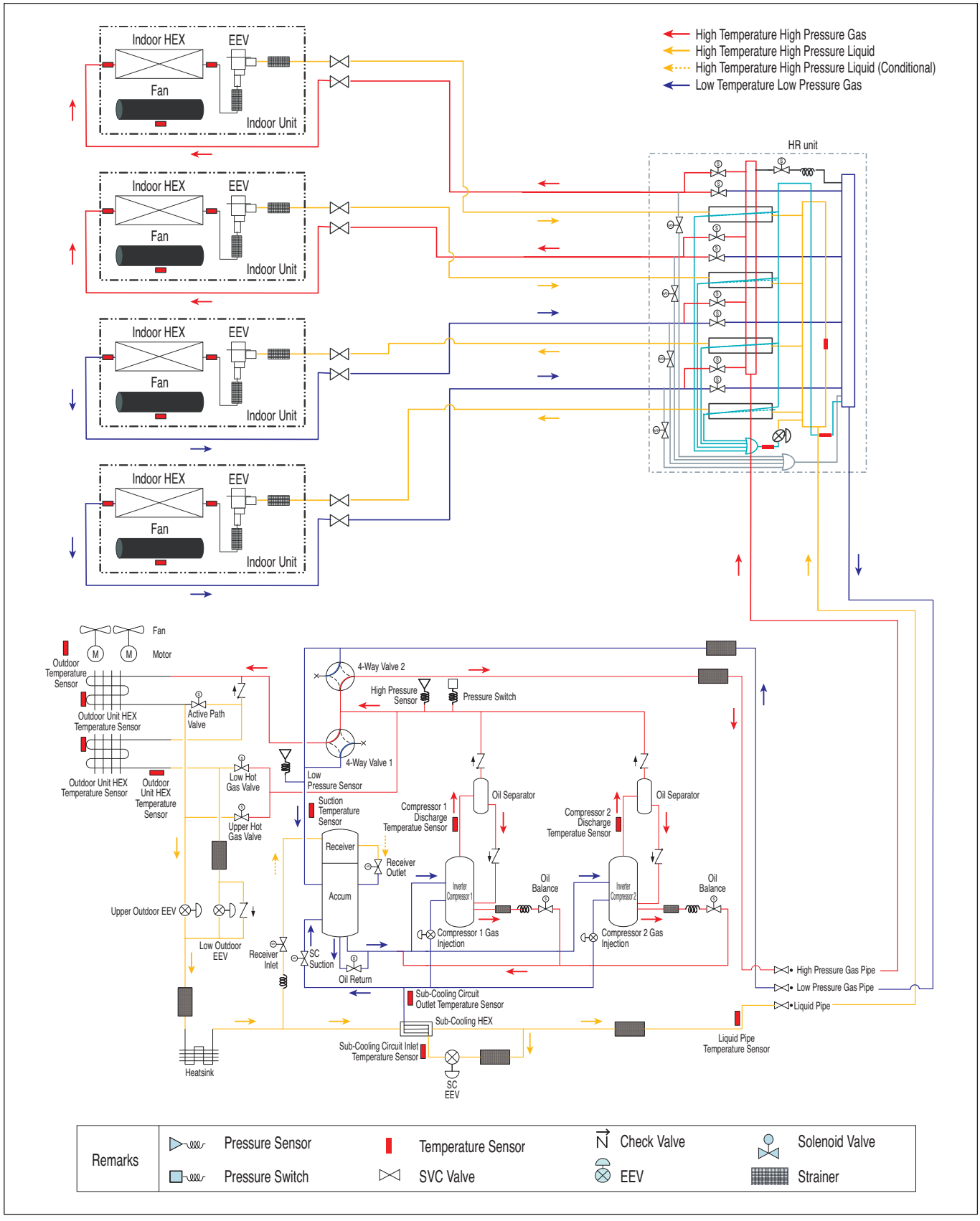
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Heat Recovery – Heating-based Simul. Operation



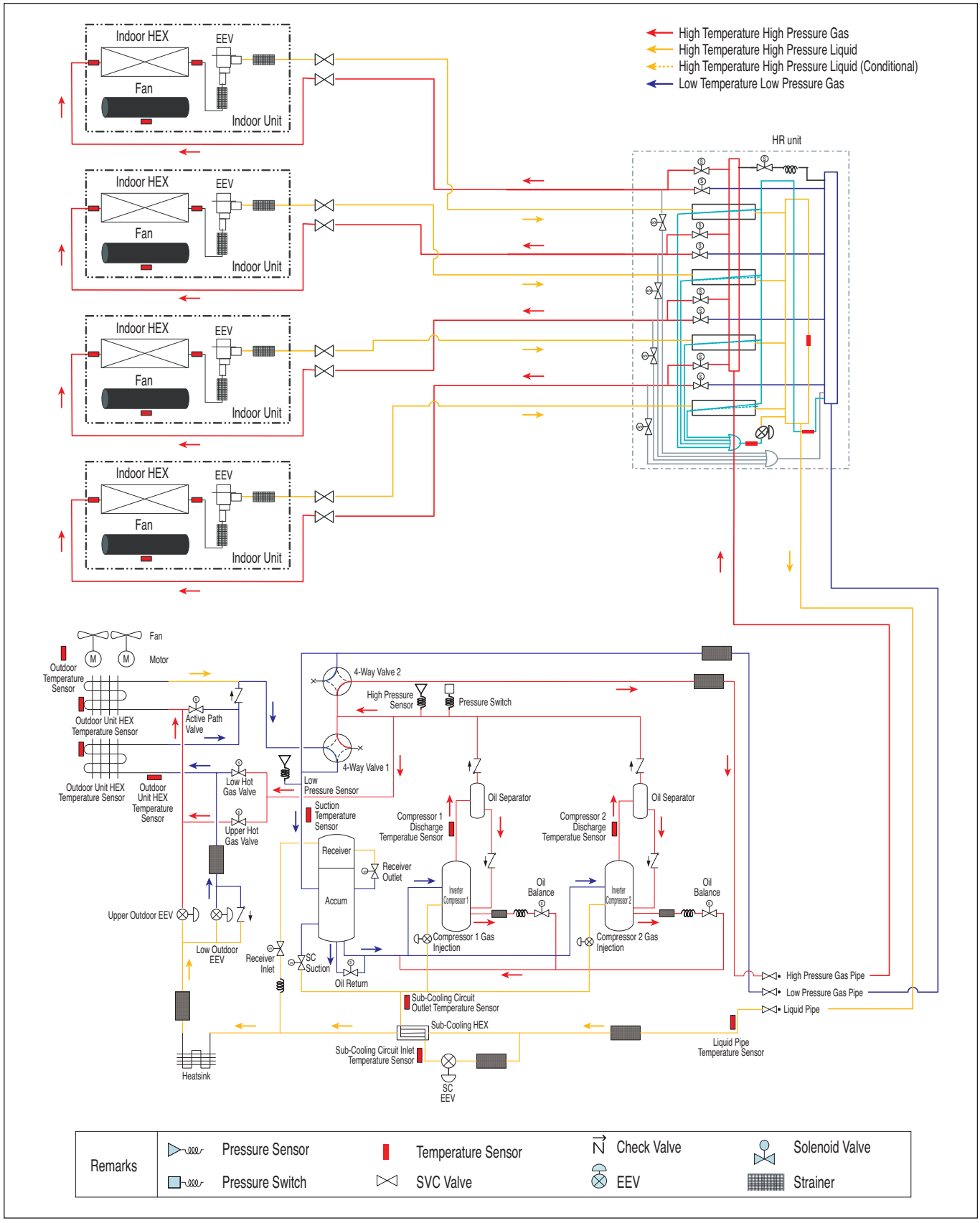
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Heat Recovery – Balanced Simul. Operation



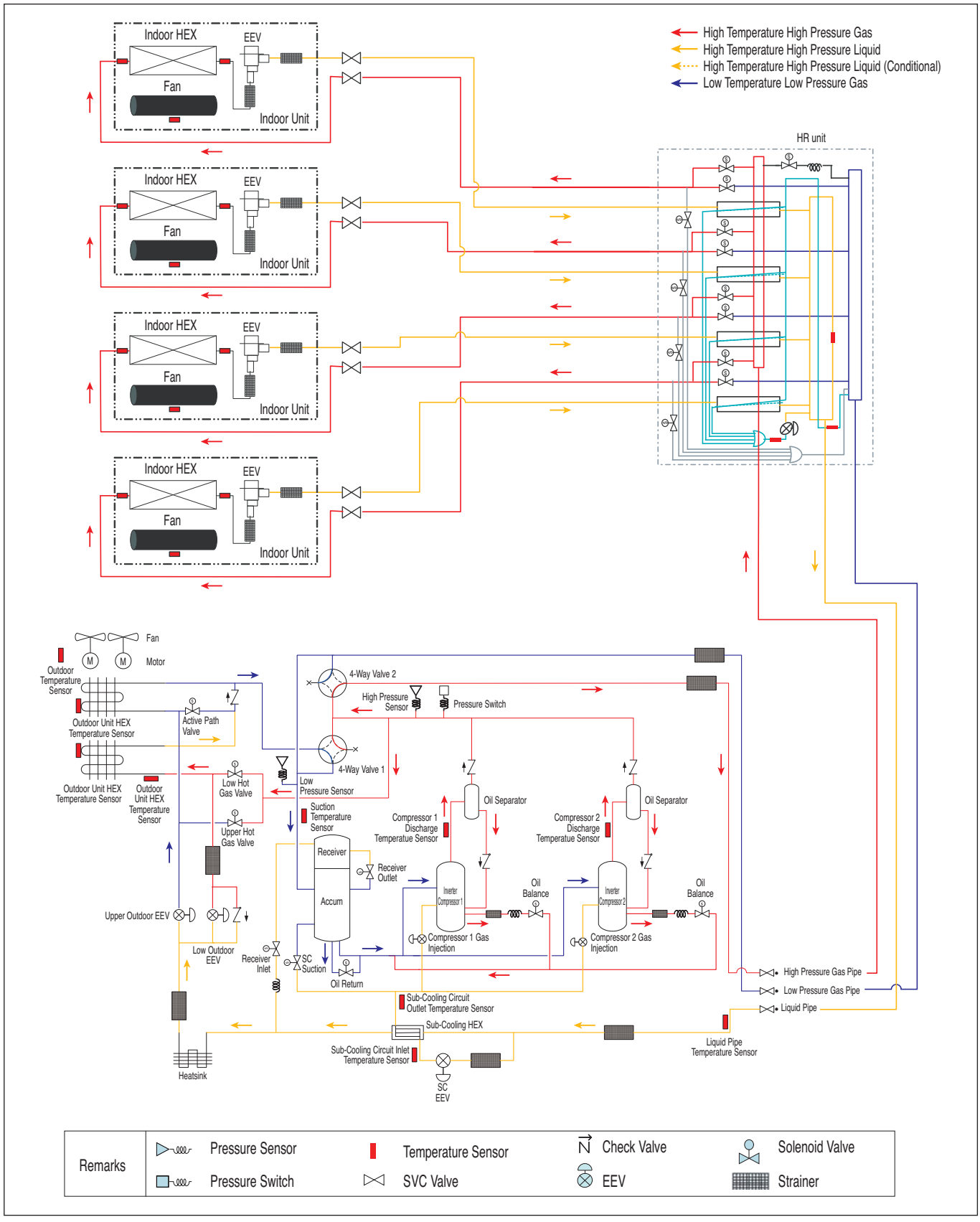
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Heat Recovery – Upper HEX Defrost Operation



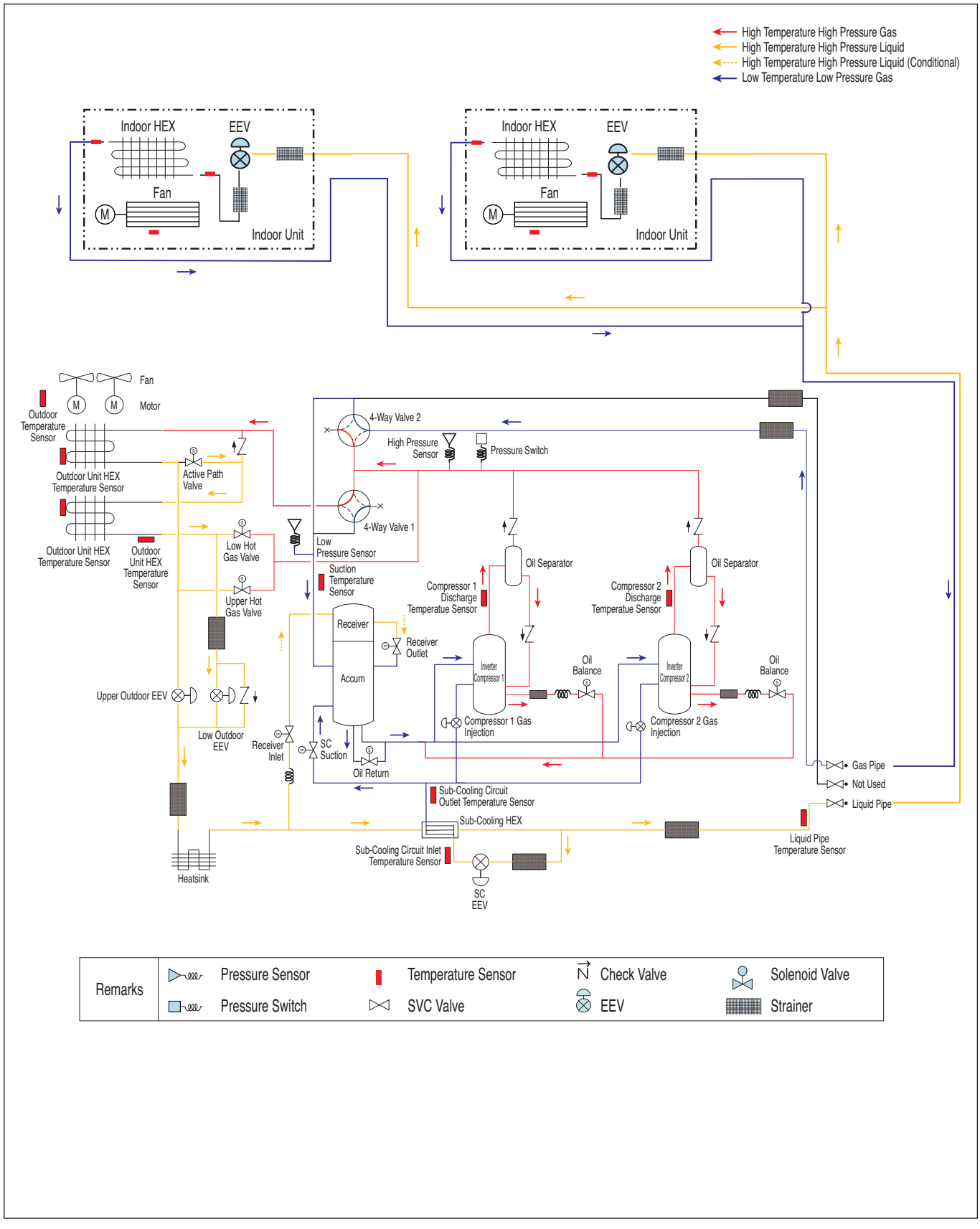
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Heat Recovery – Low HEX Defrost Operation



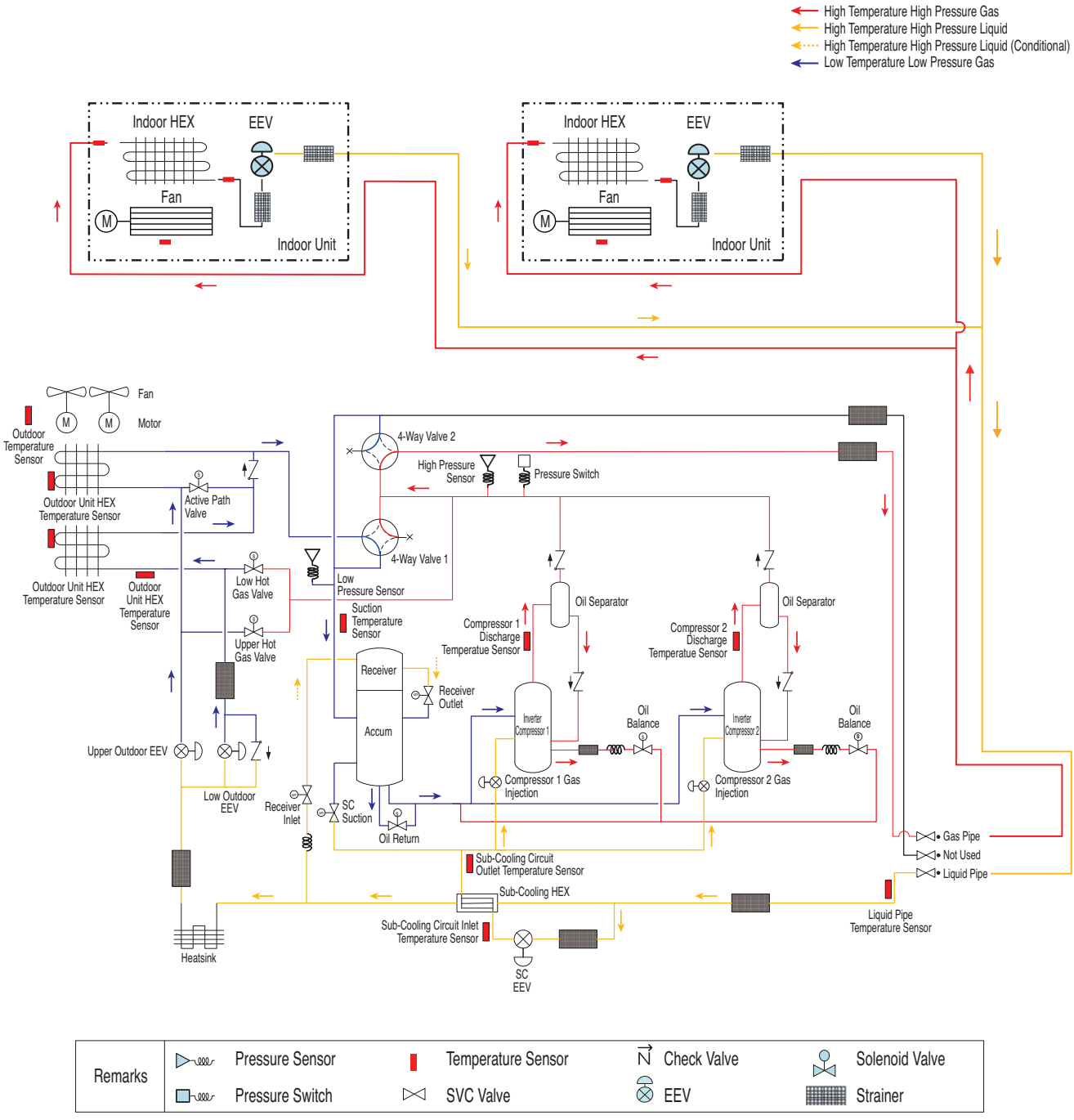
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Heat Pump – Cooling Mode



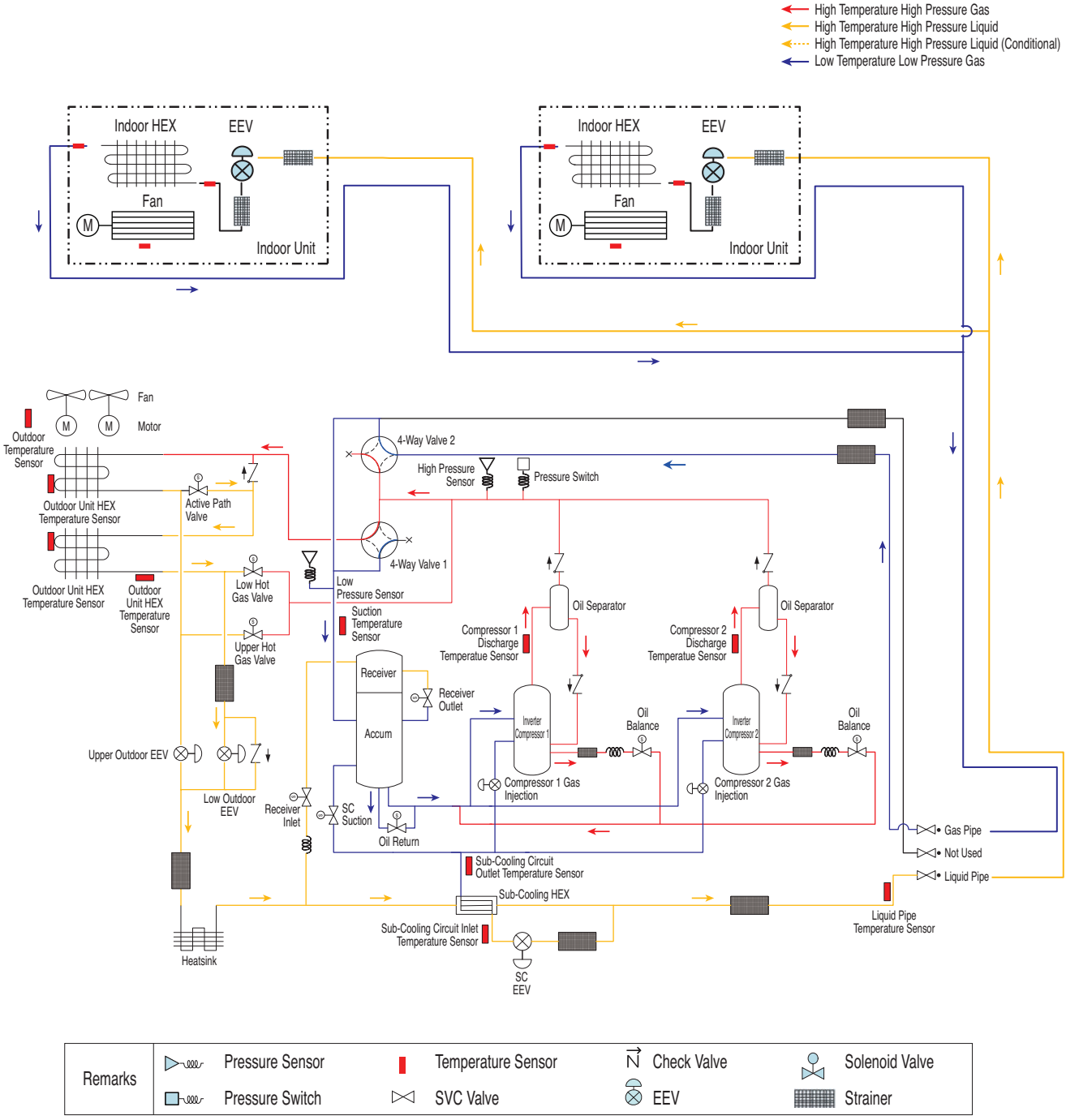
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Heat Pump – Heating Mode



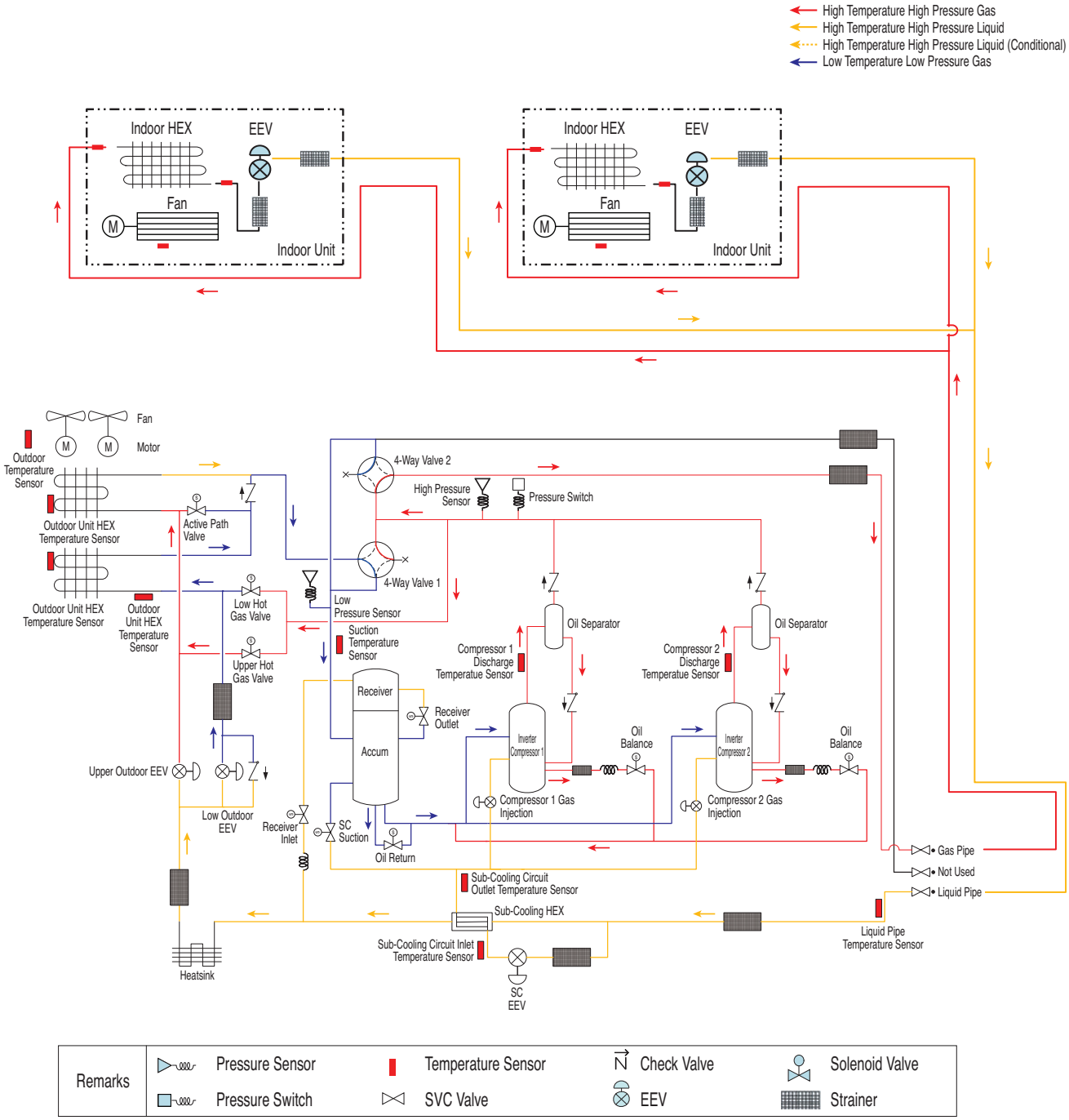
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Heat Pump – Oil Return and Defrost Operation



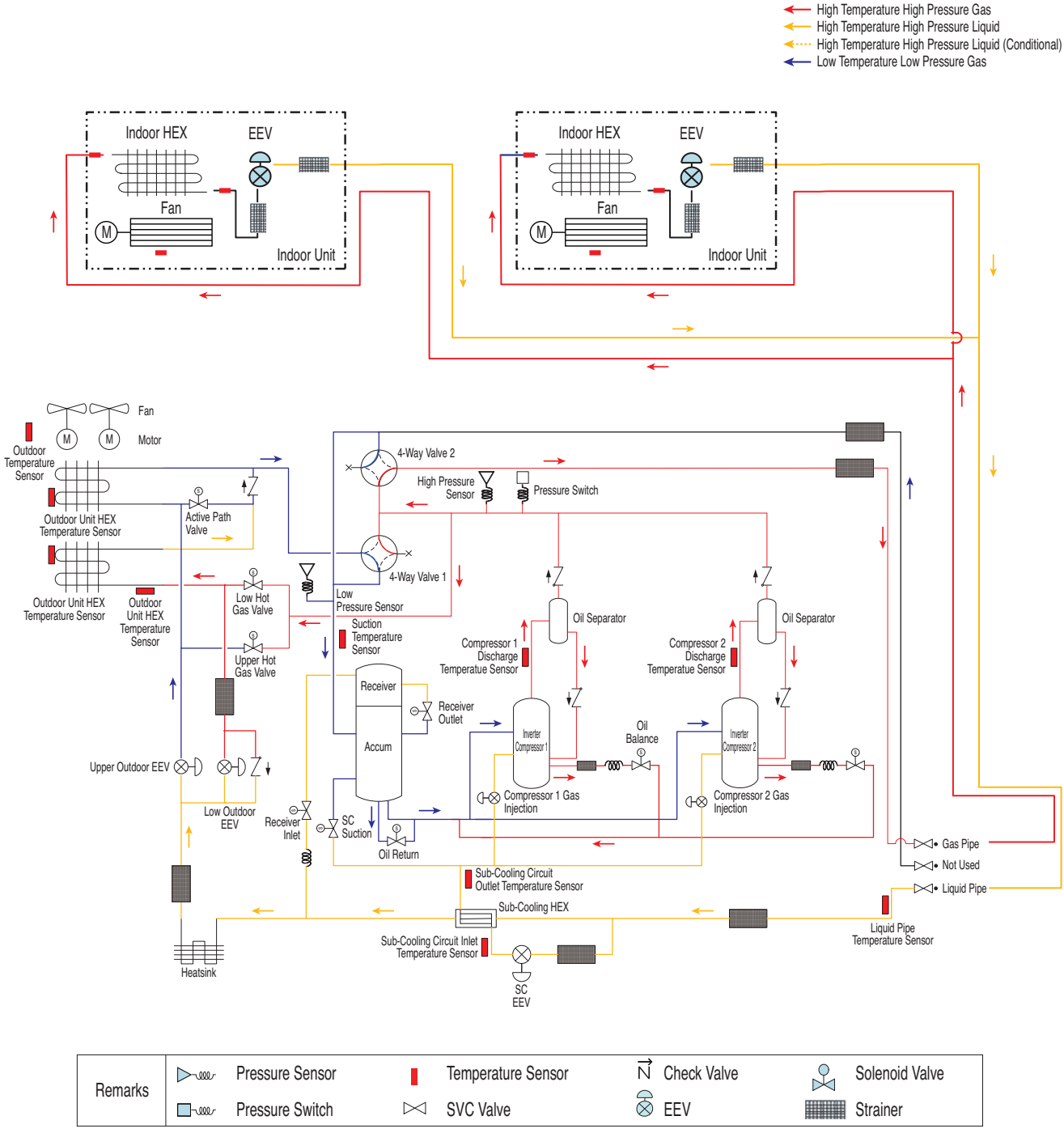
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Heat Pump – Upper HEX Defrost Operation



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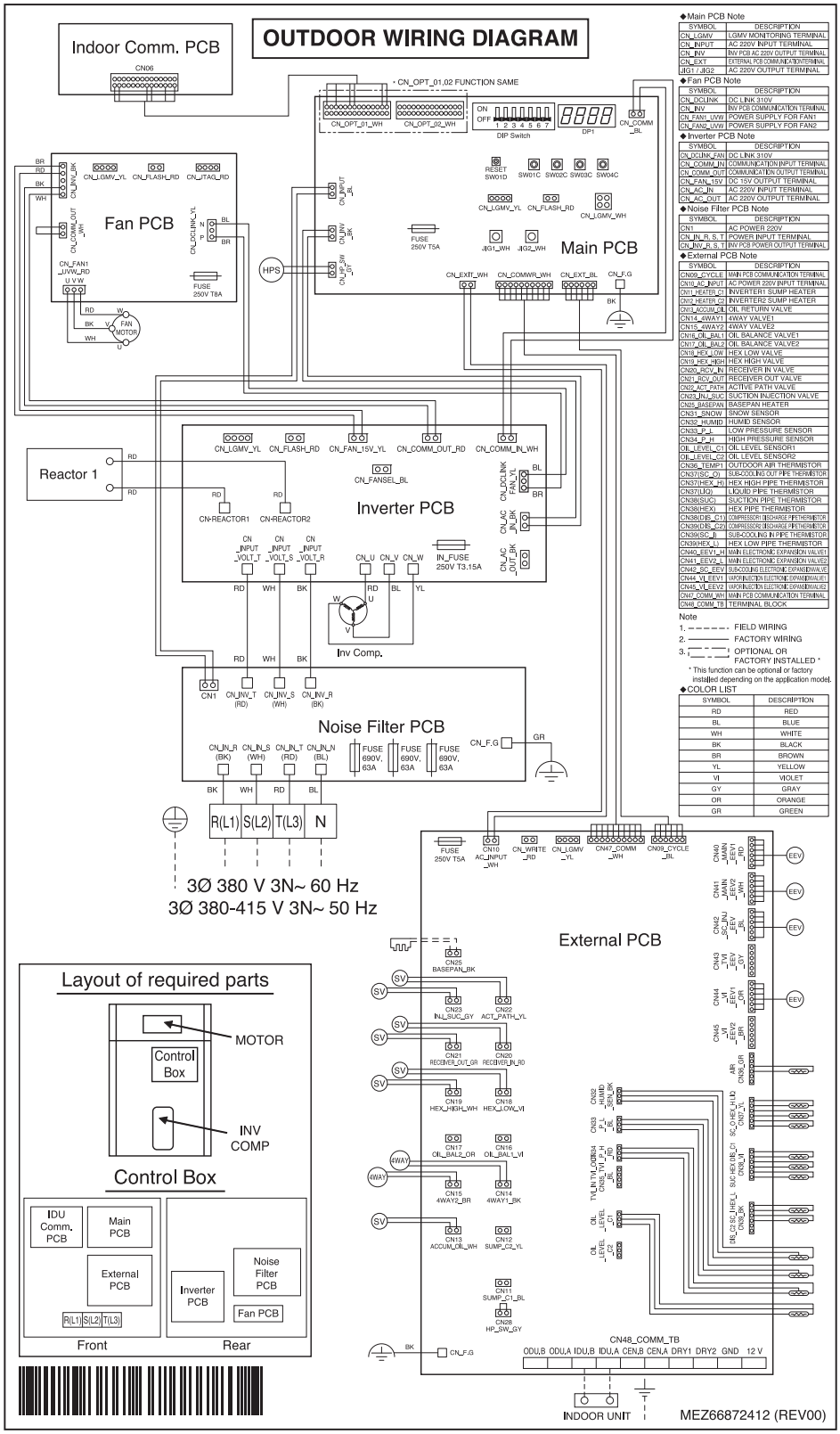
Heat Pump – Low HEX Defrost Operation



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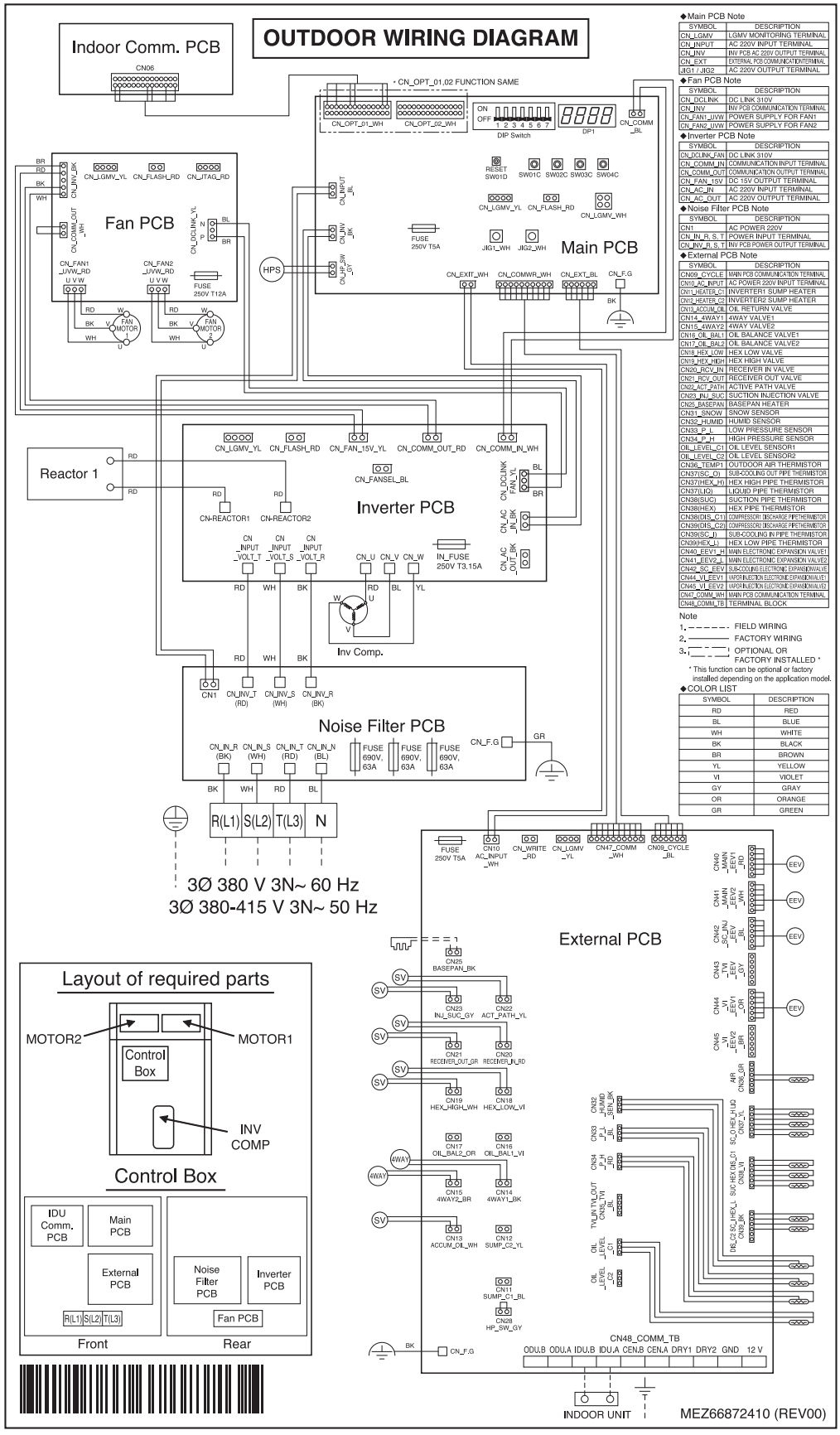
6. Wiring Diagrams

5.1.1 8~12HP



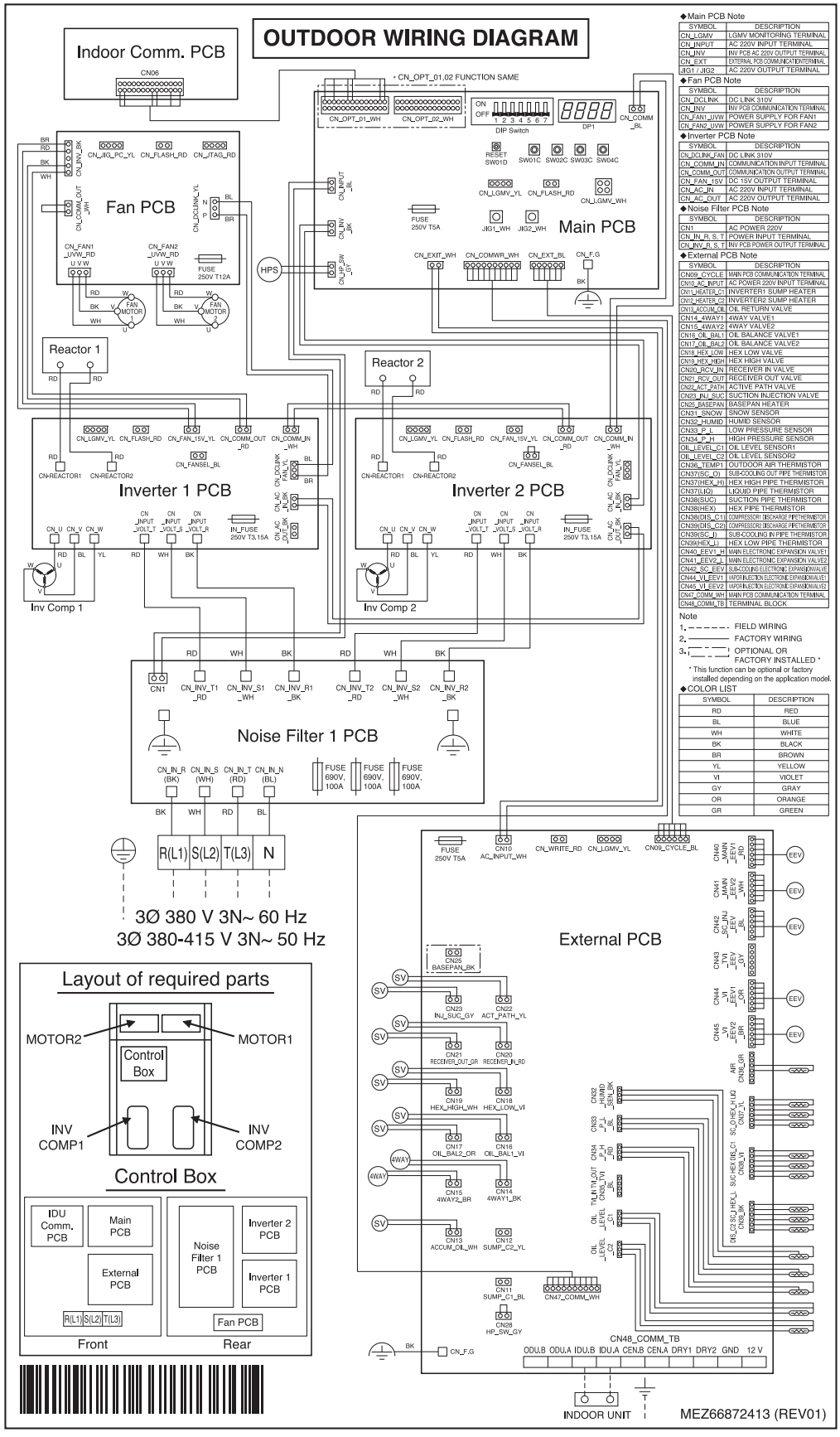
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5.1.2 14~16HP



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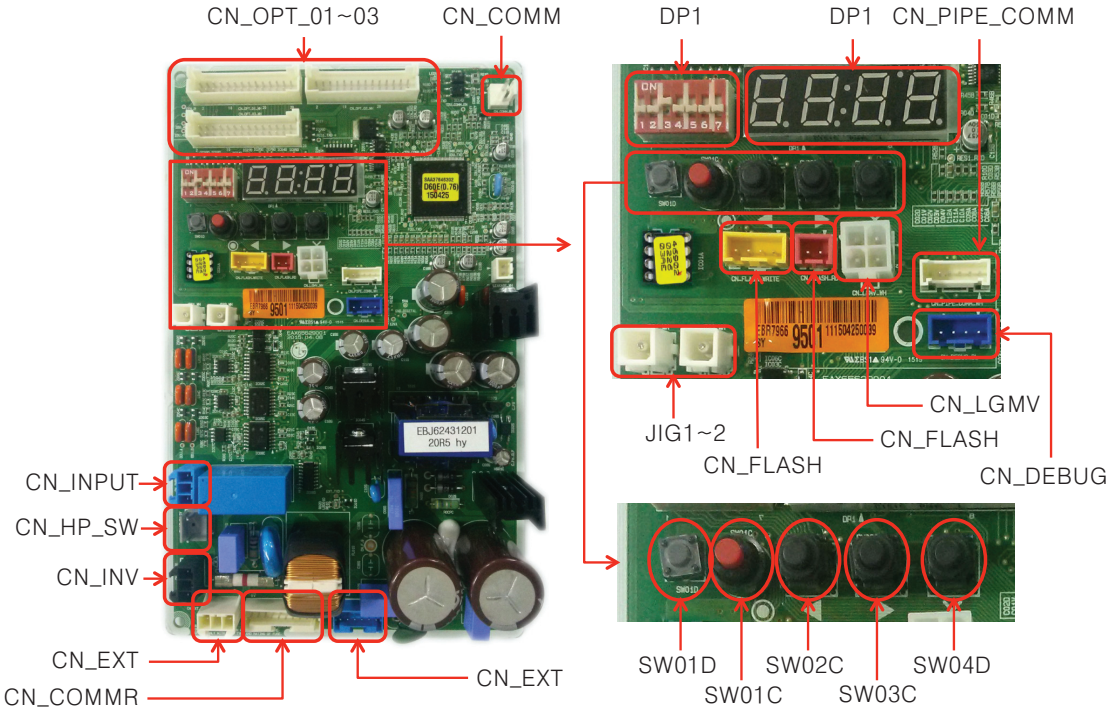
5.1.3 18~26HP



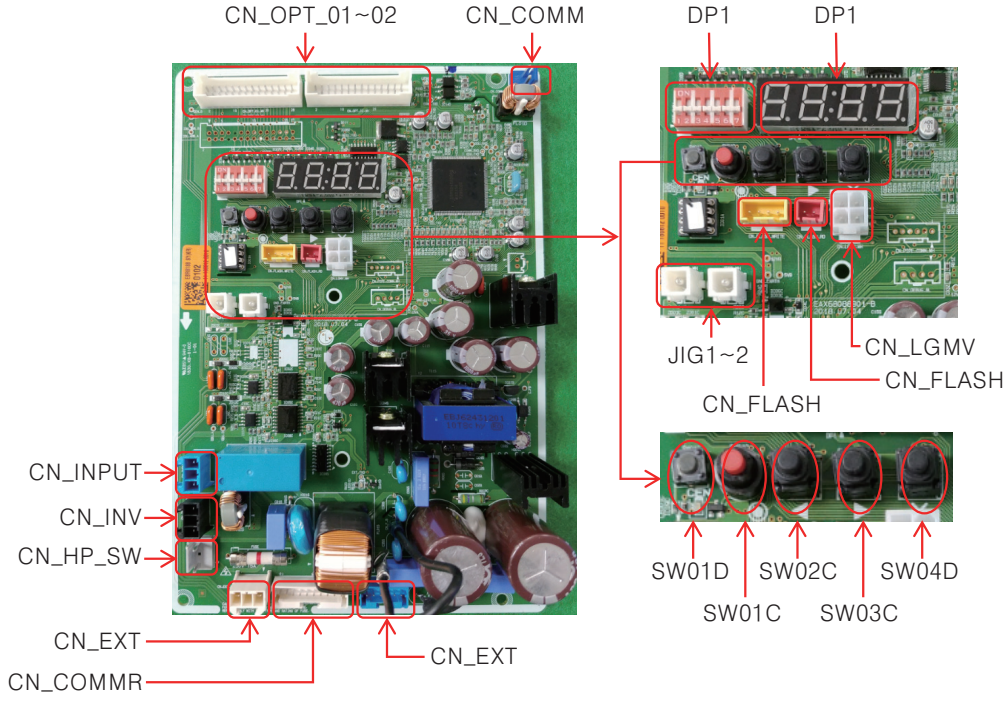
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■ Main PCB

1) EBR81880101

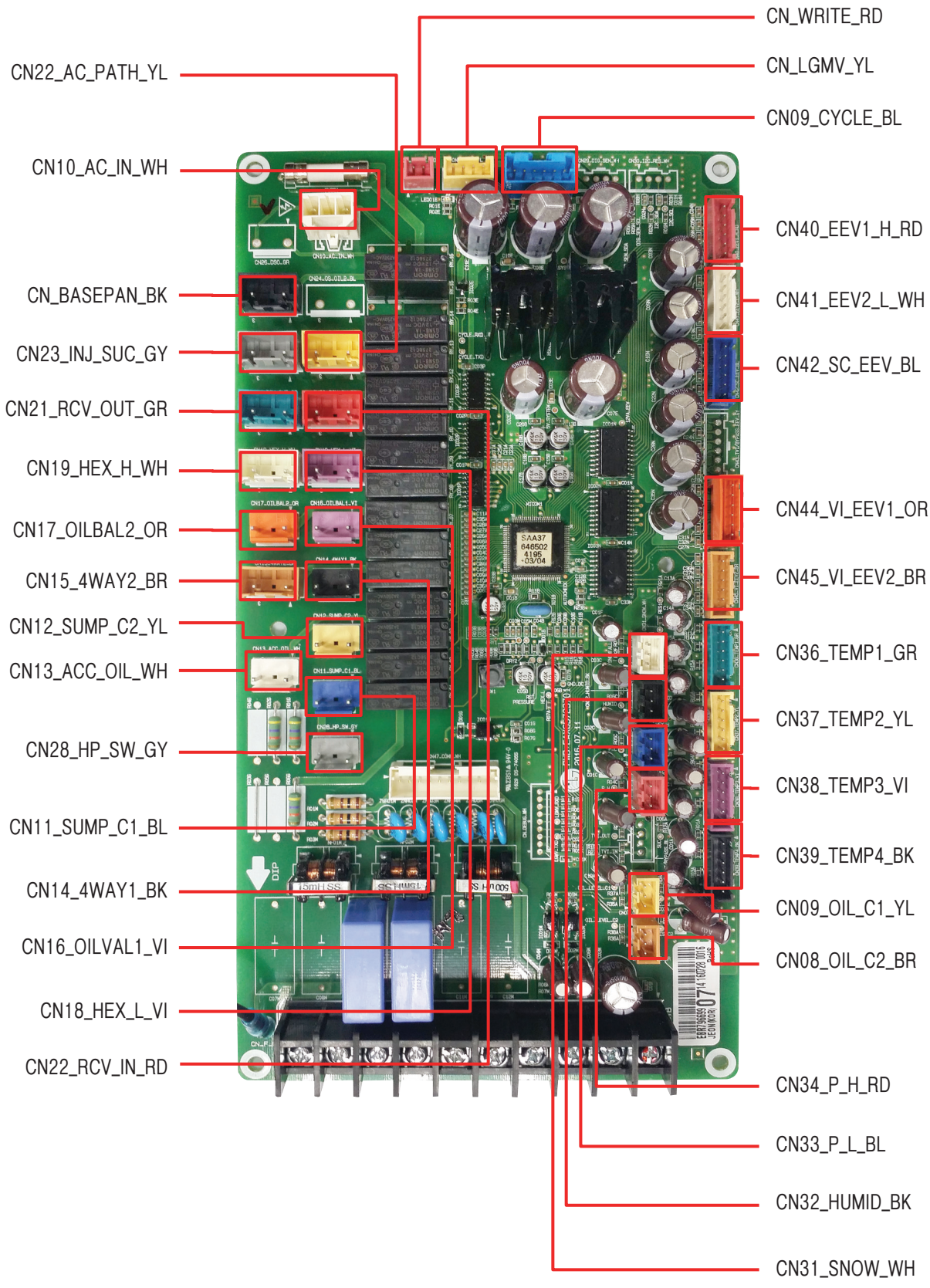


2) EBR81880102 / EBR81880103



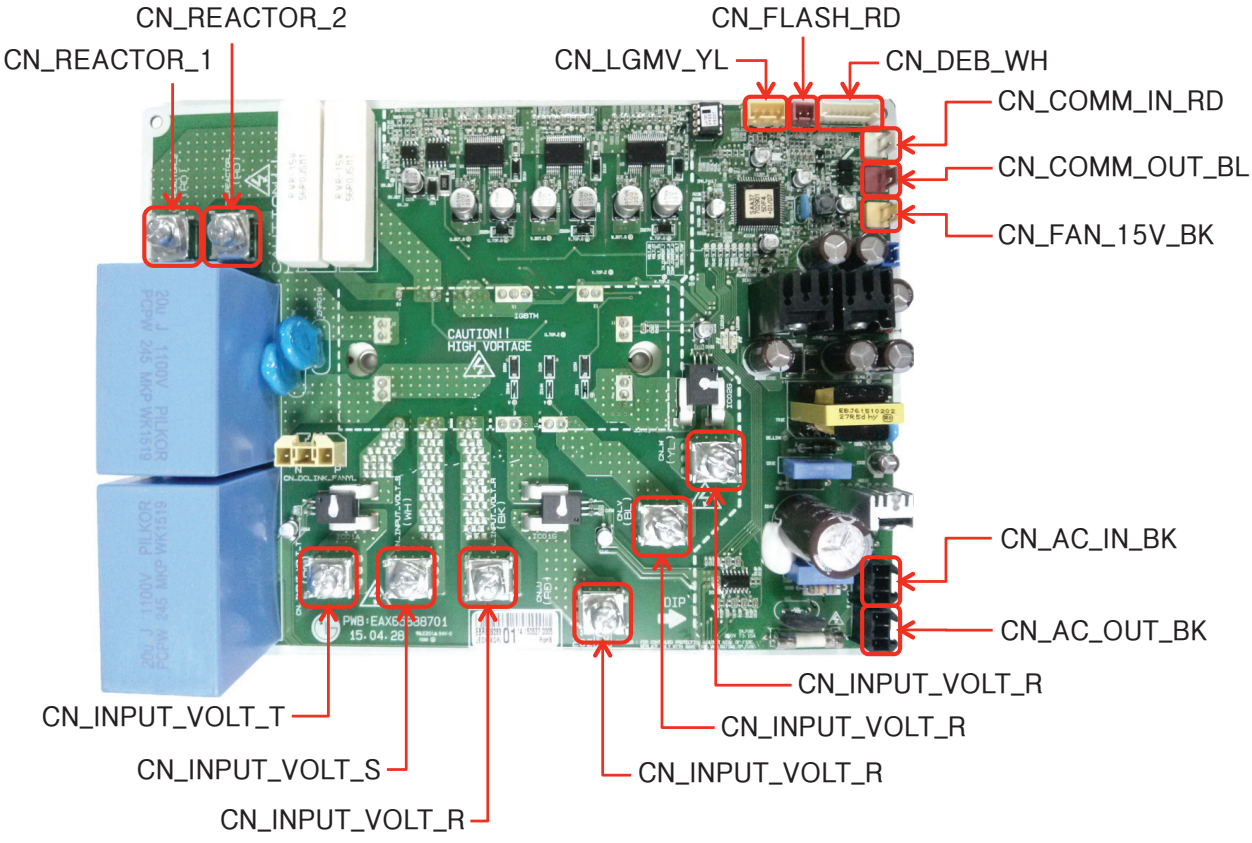
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■ External PCB

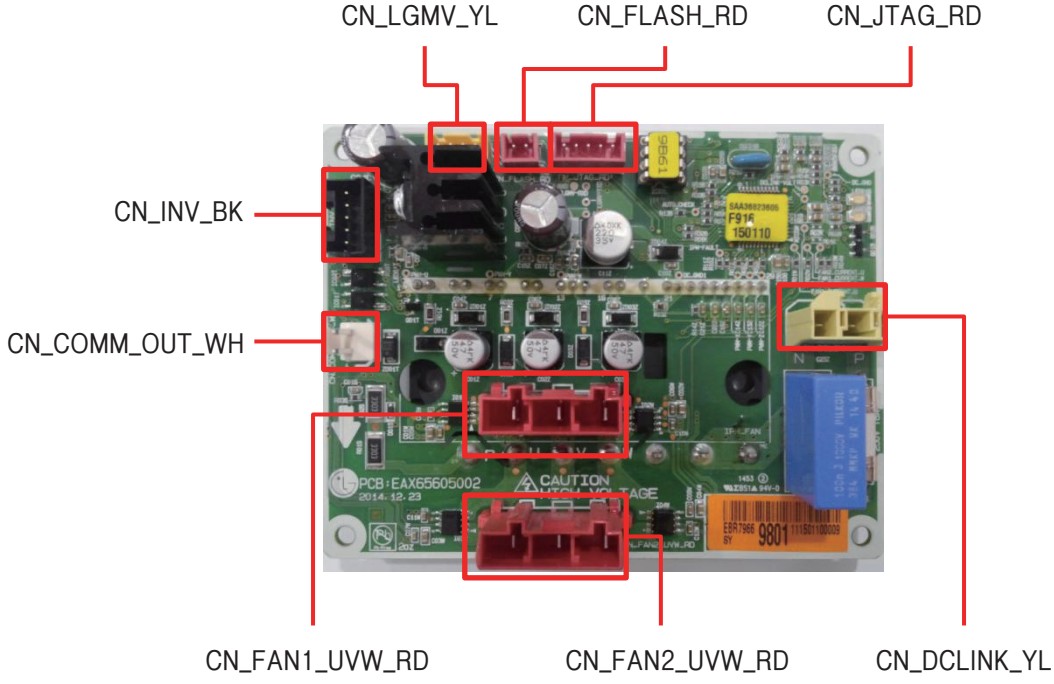


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■ Inverter PCB

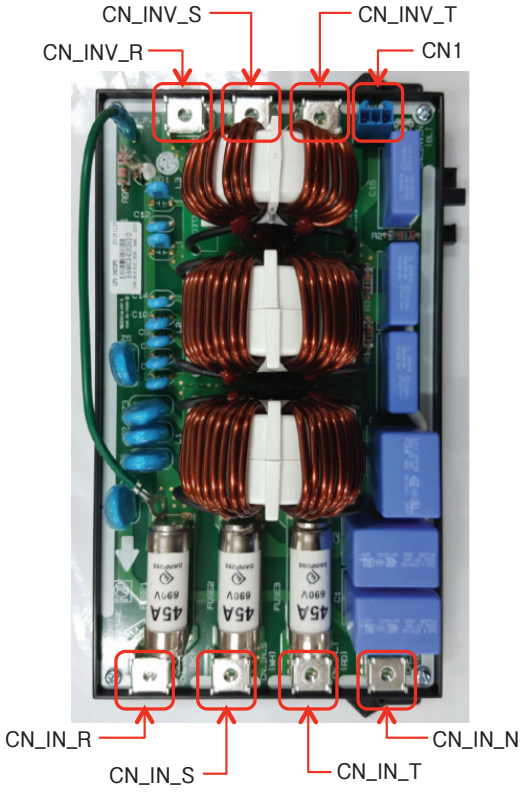


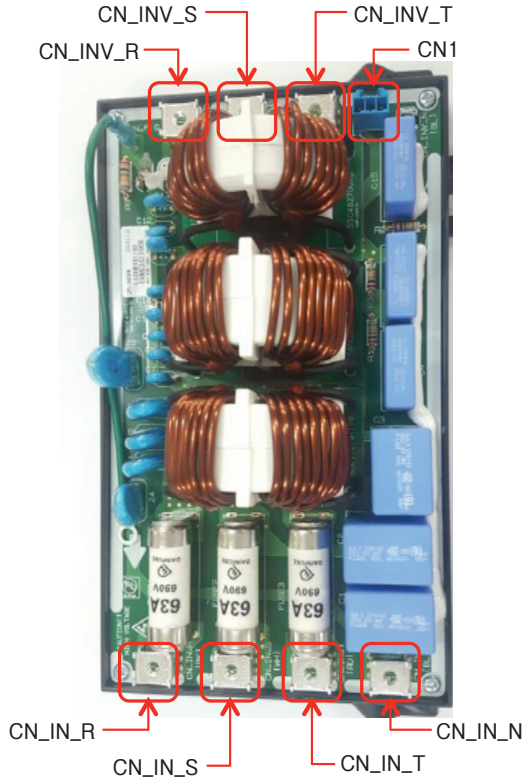
■ Fan PCB



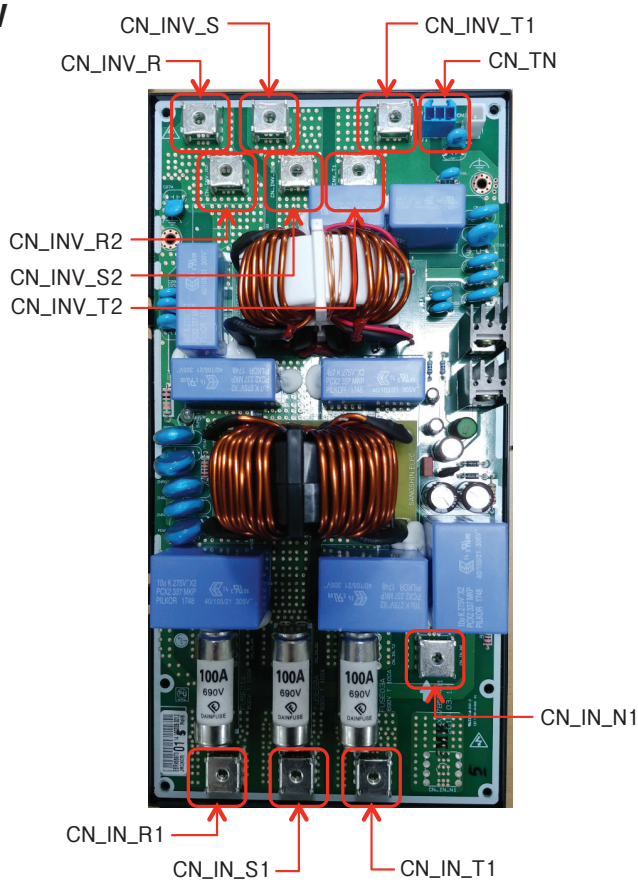
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■ Noise filter





34 kW

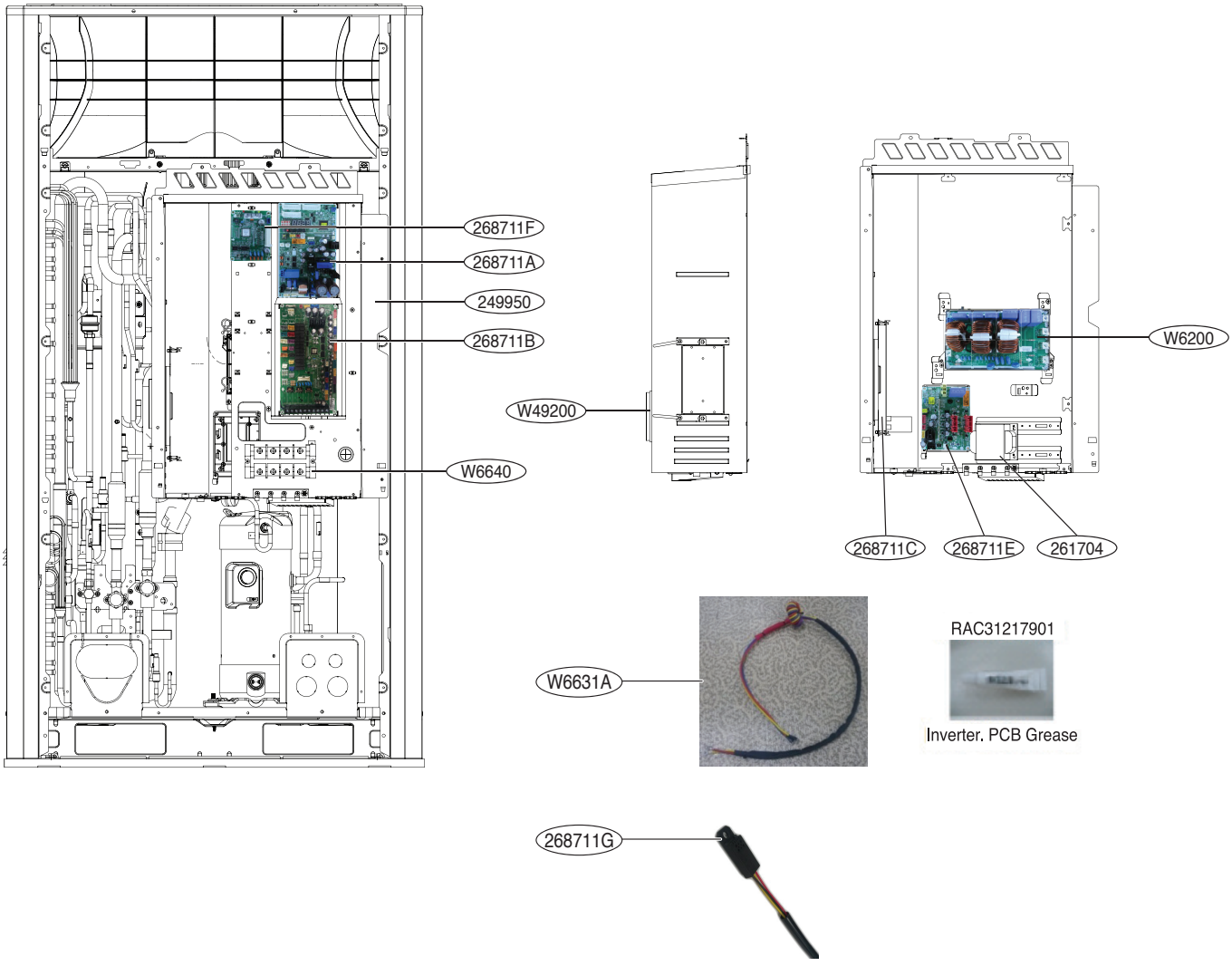


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7. Exploded View

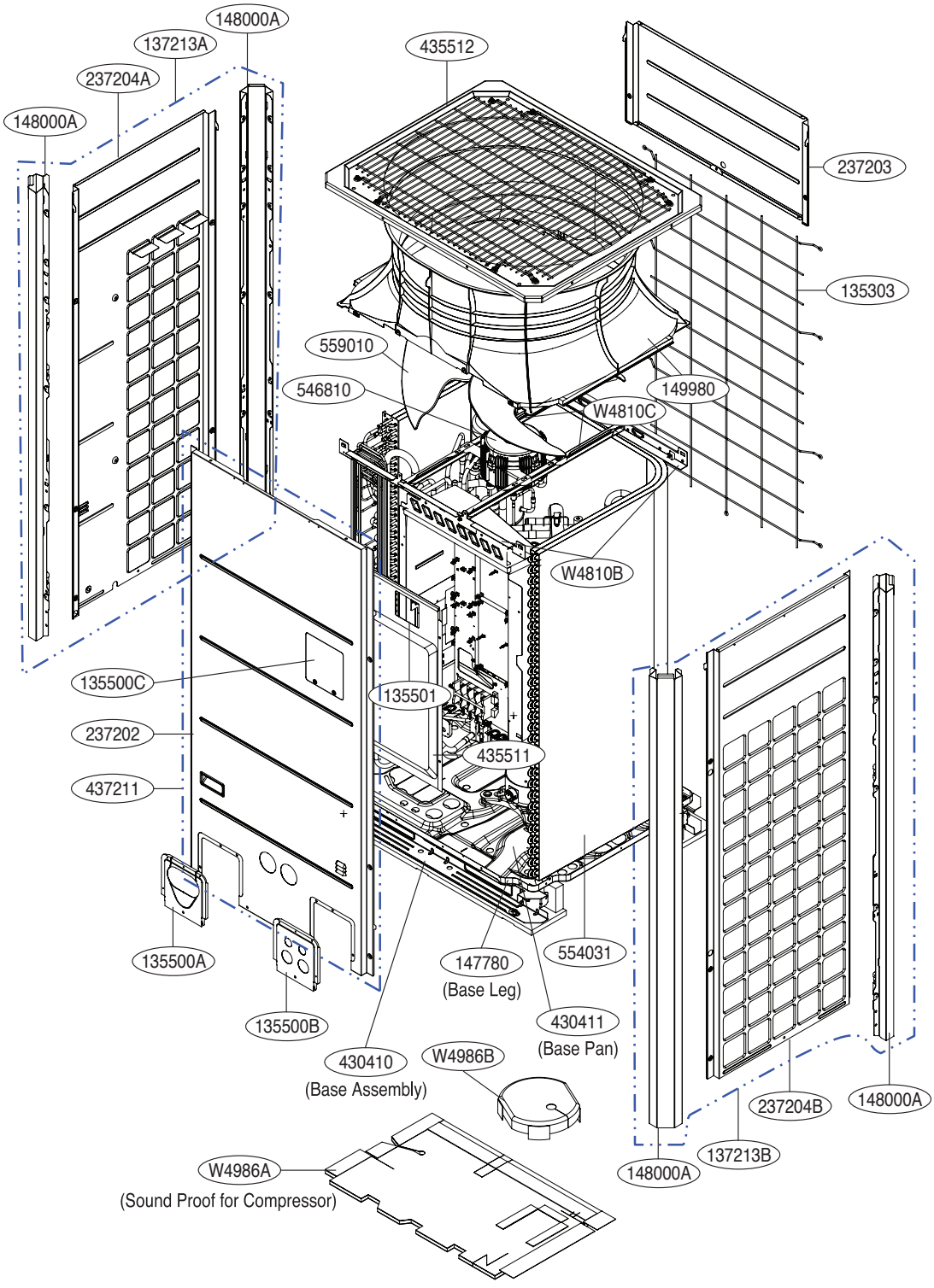
Outdoor Unit

6.1.1 8~12 HP (UXA)



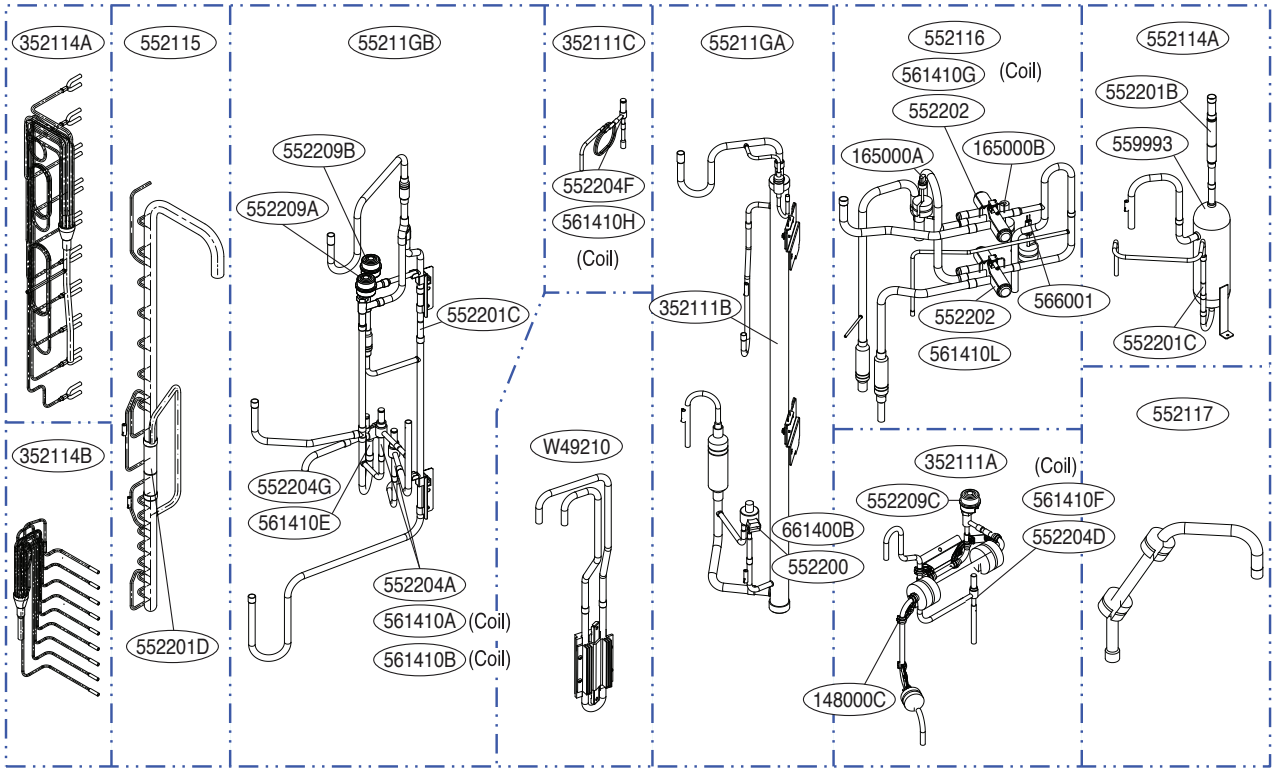
Part	SVC Location NO.	Description
Control Box	249950	Case Assembly, Control Box
Main PCB	268711A	PCB Assembly,Cycle(Onboarding)
External PCB	268711B	PCB Assembly,Main
Inverter PCB	268711C	PCB Assembly,Inv(Onboarding)
Fan PCB	268711E	PCB Assembly,Fan(Onboarding)
Option PCB	268711F	PCB Assembly,Sub
Noise Filter PCB	W6200	Filter,AC Line

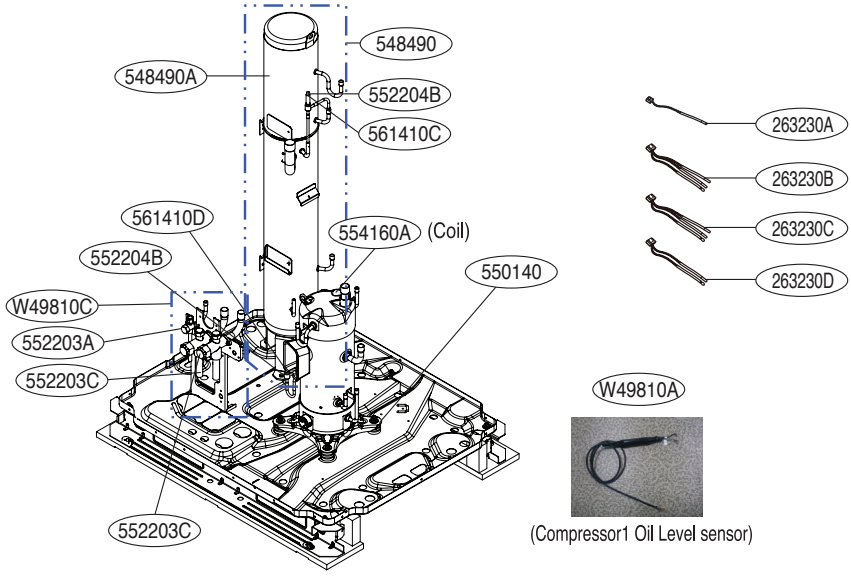
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8 HP (UXA)

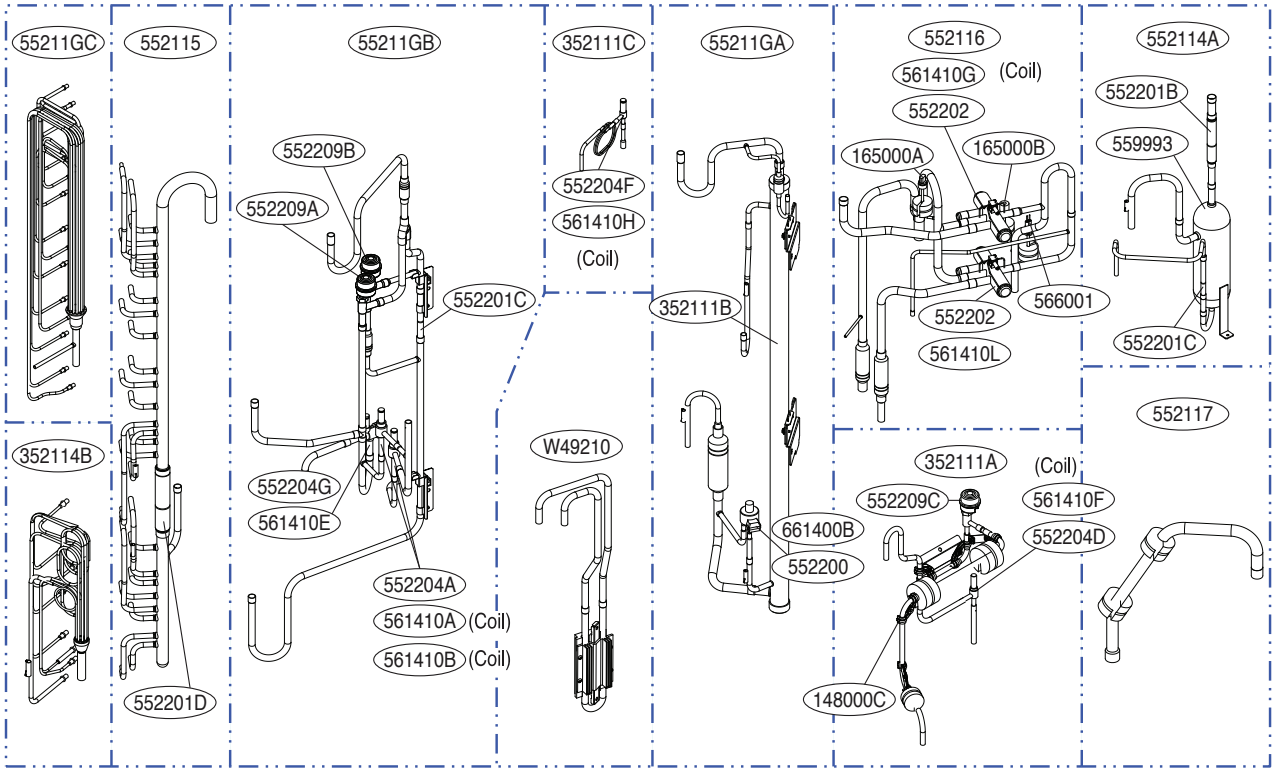


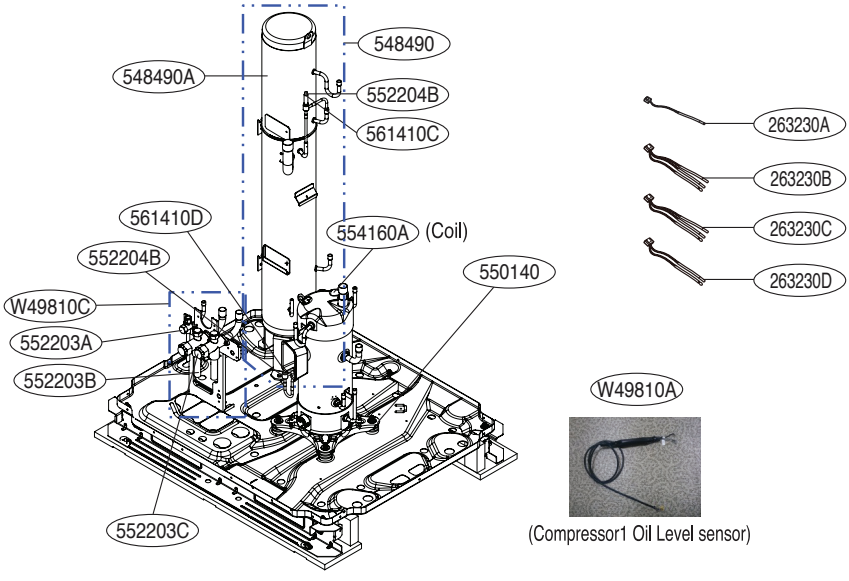


Part	L/No	Sensor location	Housing color
Temp. Sensor 1	263230A	Air	Green
Temp. Sensor 2	263230B	Suction Pipe + HEX1(Temp. Sensor) + Inverter1 Discharge	Violet
Temp. Sensor 3	263230C	Sub Cool Out + HEX2(Upper Temp. Sensor) + Liquid Pipe	Yellow
Temp. Sensor 4	263230D	HEX3(Low Temp. Sensor) + Sub Cool In	Black

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10,12 HP (UXA)



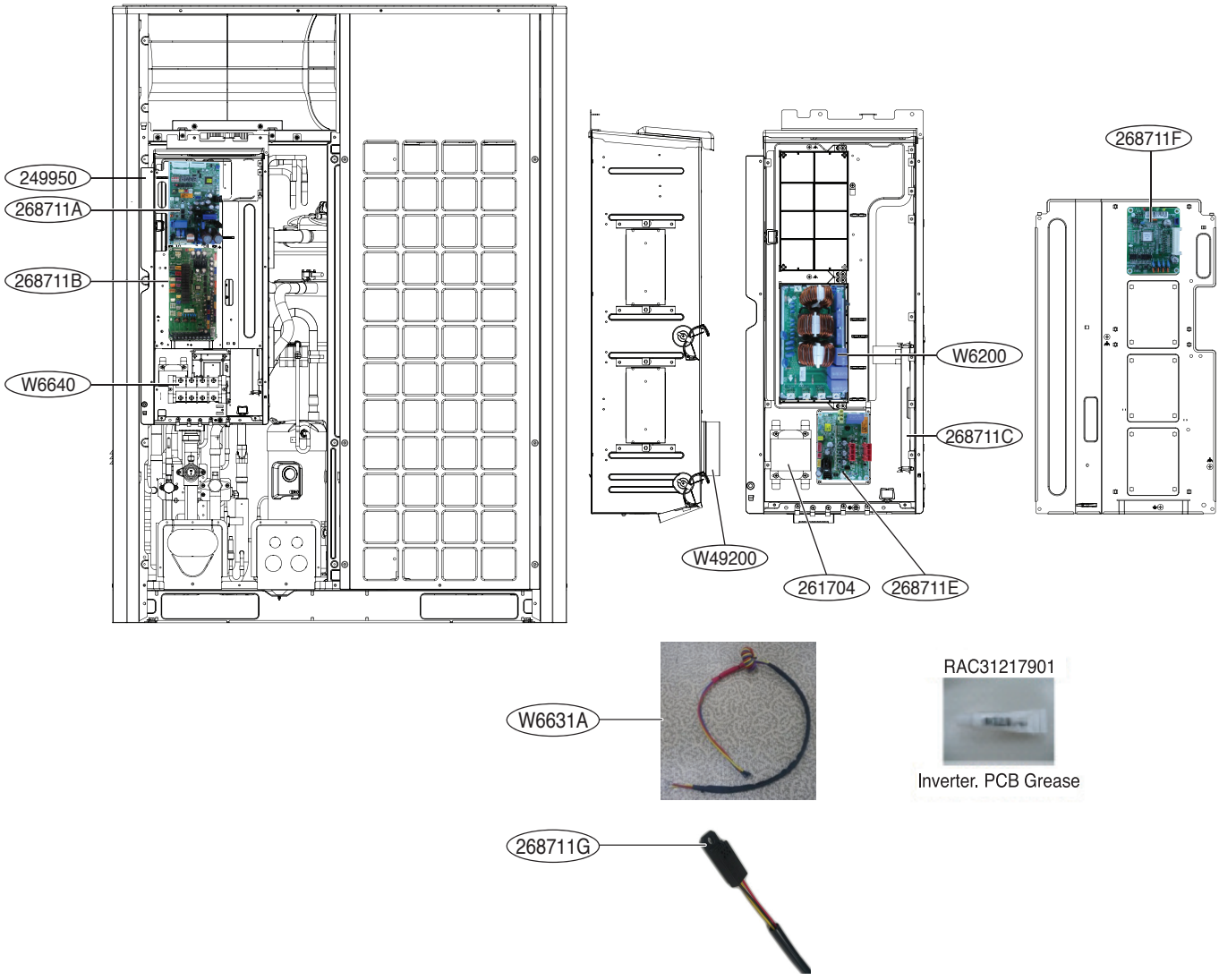


(Compressor1 Oil Level sensor)

Part	L/No	Sensor location	Housing color
Temp. Sensor 1	263230A	Air	Green
Temp. Sensor 2	263230B	Suction Pipe + HEX1(Temp. Sensor) + Inverter1 Discharge	Violet
Temp. Sensor 3	263230C	Sub Cool Out + HEX2(Upper Temp. Sensor) + Liquid Pipe	Yellow
Temp. Sensor 4	263230D	HEX3(Low Temp. Sensor) + Sub Cool In	Black

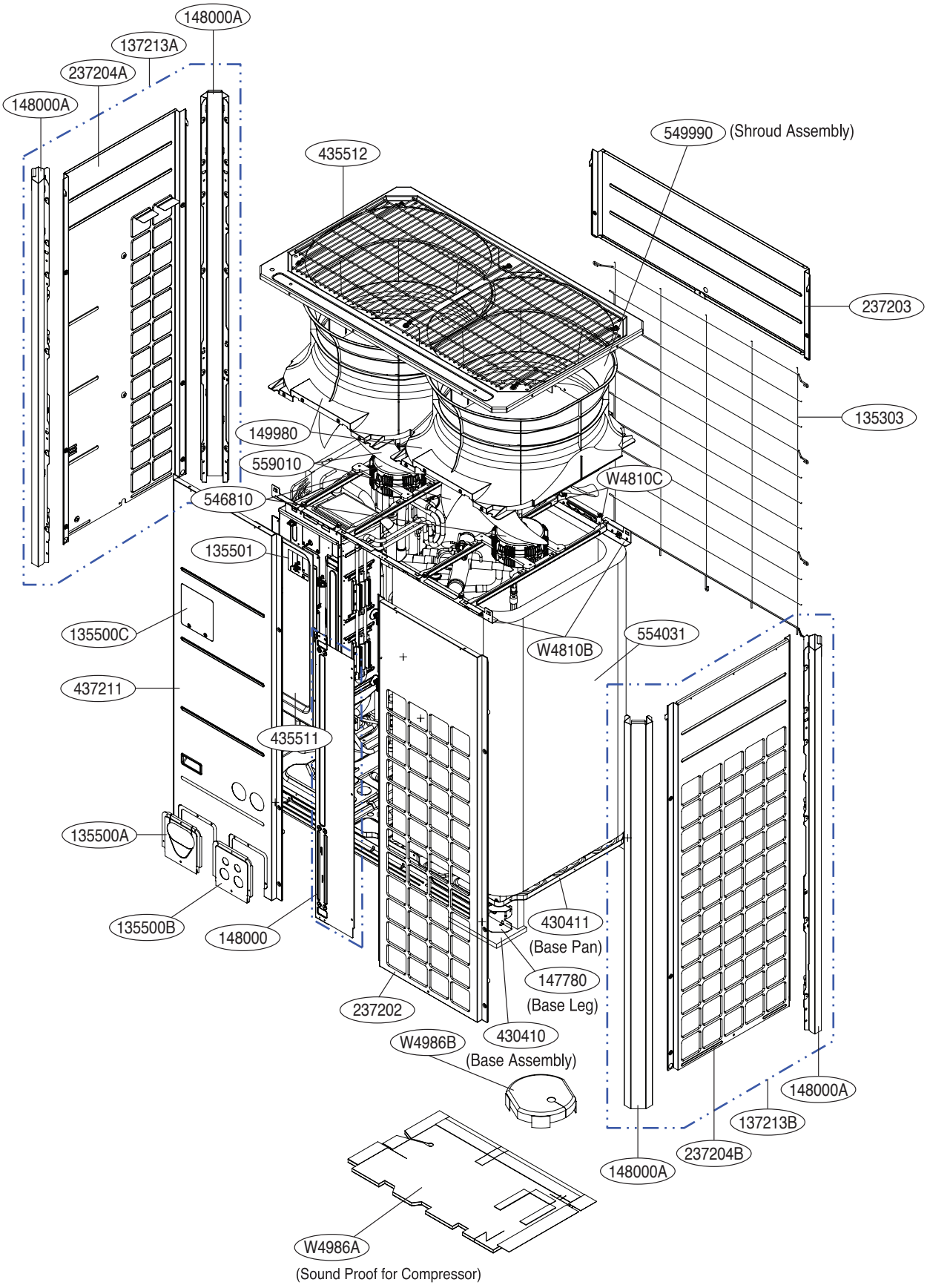
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6.1.2 14,16 HP (UXB 1 Comp)

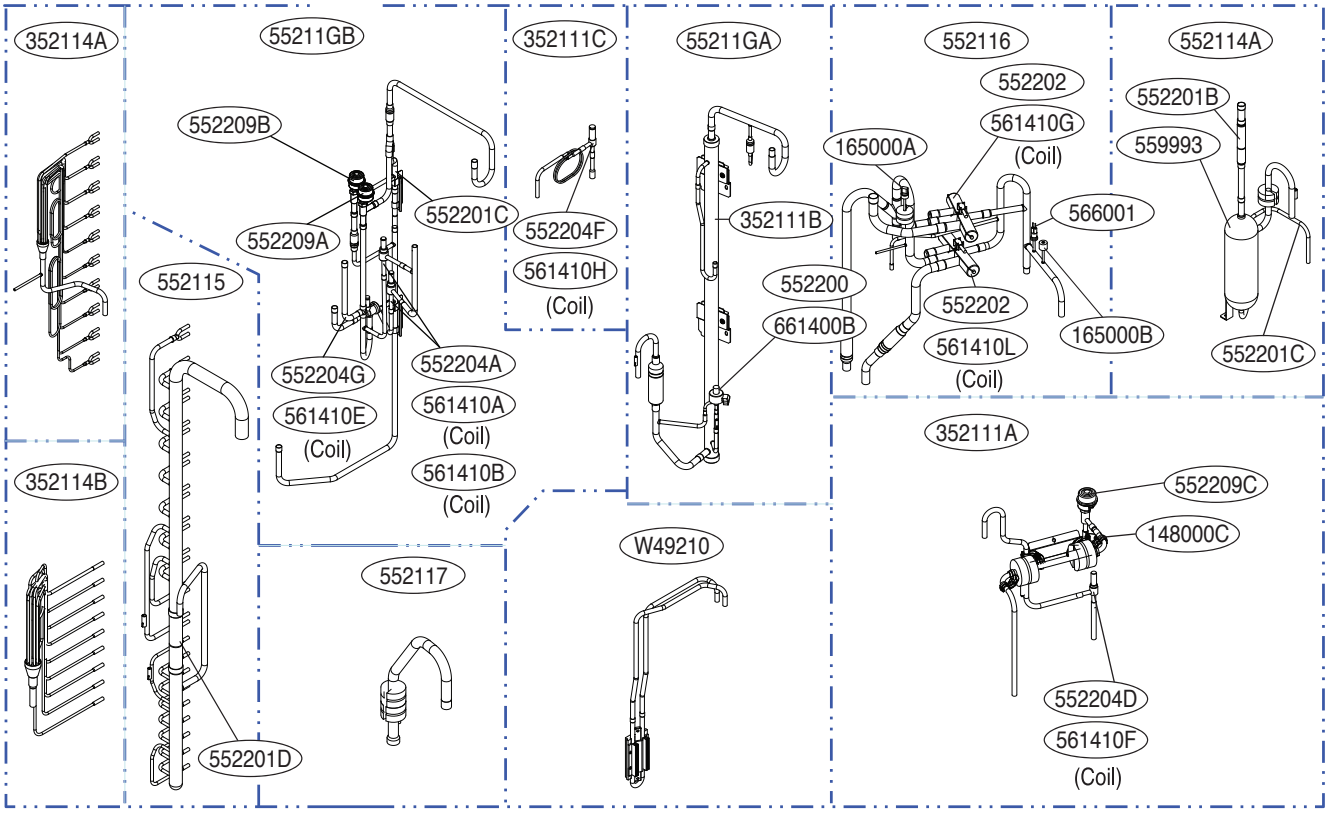


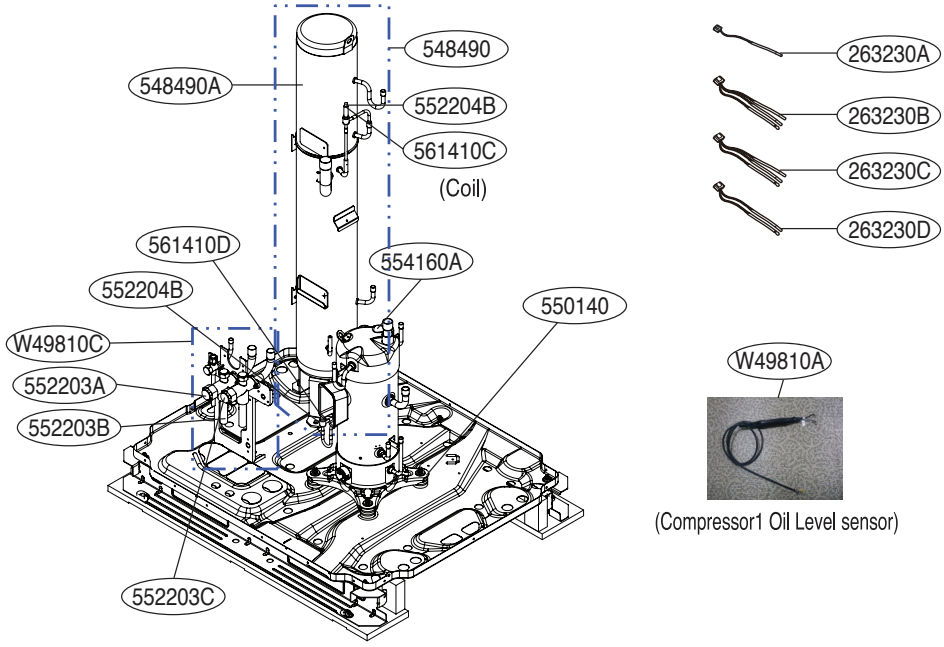
Part	SVC Location NO.	Description
Control Box	249950	Case Assembly, Control Box
Main PCB	268711A	PCB Assembly,Cycle(Onboarding)
External PCB	268711B	PCB Assembly,Main
Inverter PCB	268711C	PCB Assembly,Inv(Onboarding)
Fan PCB	268711E	PCB Assembly,Fan(Onboarding)
Option PCB	268711F	PCB Assembly,Sub
Noise Filter PCB	W6200	Filter,AC Line

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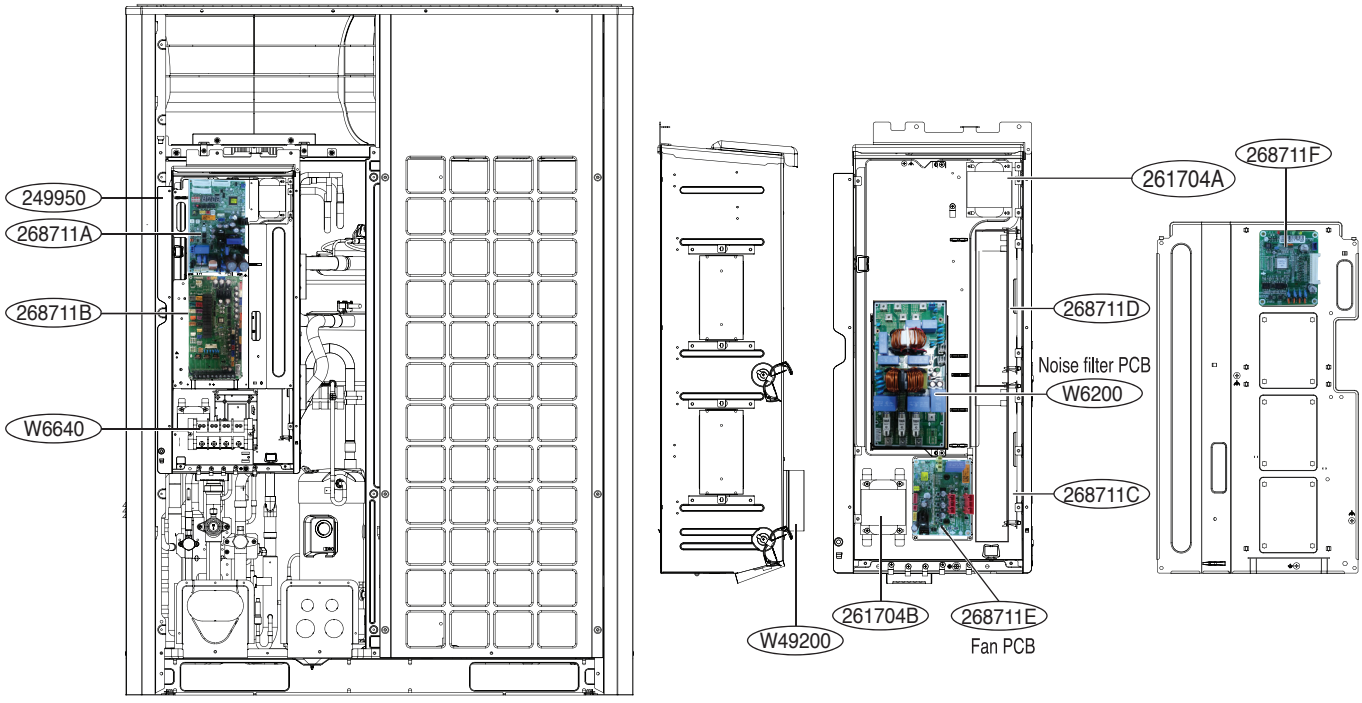


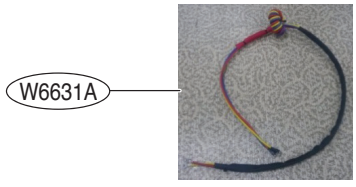
(Compressor1 Oil Level sensor)

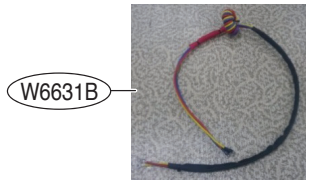
Part	L/No	Sensor location	Housing color
Temp. Sensor 1	263230A	Air	Green
Temp. Sensor 2	263230B	Suction Pipe + HEX1(Temp. Sensor) + Inverter1 Discharge	Purple
Temp. Sensor 3	263230C	Sub Cool Out + HEX2(Upper Temp. Sensor) + Liquid Pipe	Yellow
Temp. Sensor 4	263230D	HEX3(Low Temp. Sensor) + Sub Cool In	Black

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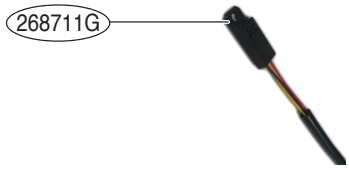
6.1.3 18~22 HP (UXB 2 Comp)







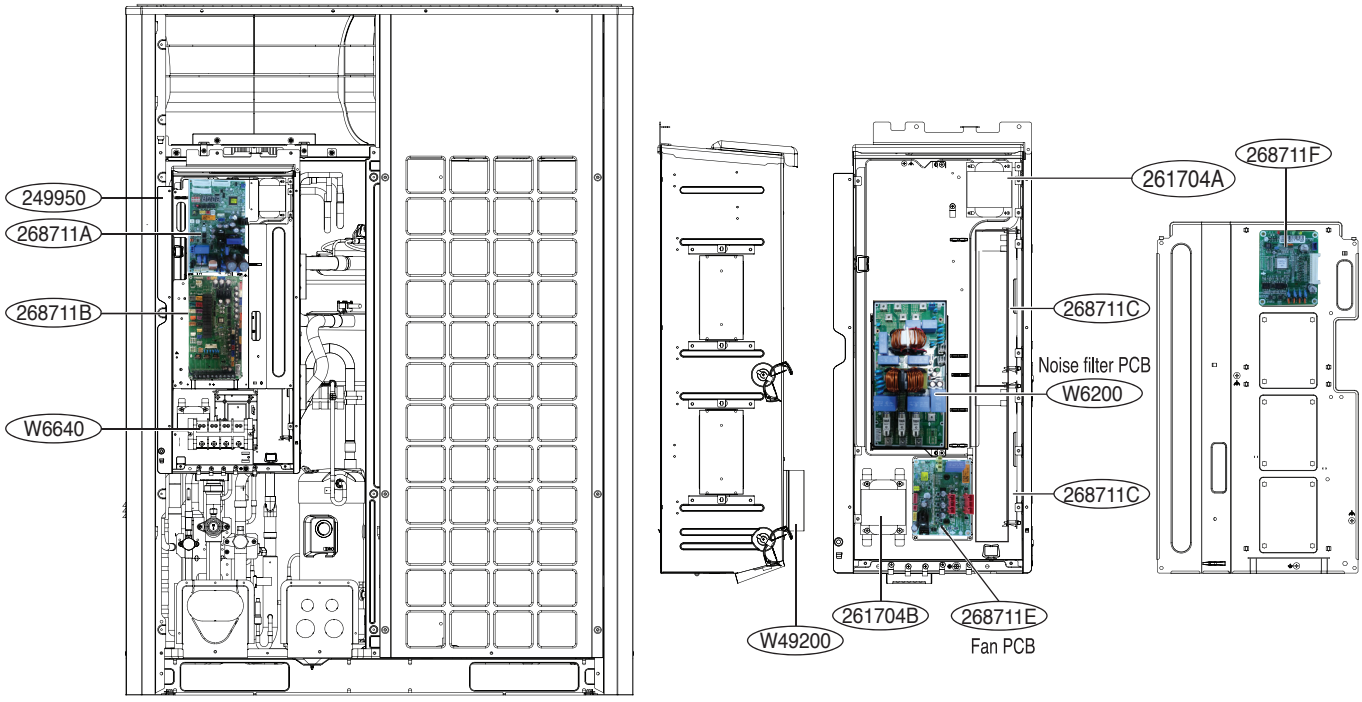




Part	SVC Location NO.	Description
Control Box	249950	Case Assembly, Control Box
Main PCB	268711A	PCB Assembly,Cycle(Onboarding)
External PCB	268711B	PCB Assembly,Main
Inverter PCB	268711C	PCB Assembly,Inv(Onboarding)
Inverter PCB	268711D	PCB Assembly,Inv(Onboarding)
Fan PCB	268711E	PCB Assembly,Fan(Onboarding)
Option PCB	268711F	PCB Assembly,Sub
Noise Filter PCB	W6200	Filter,AC Line

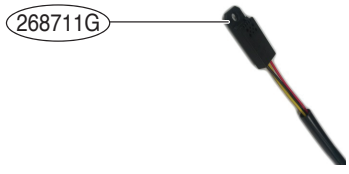
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6.1.4 24, 26 HP (UXB 2 Comp)



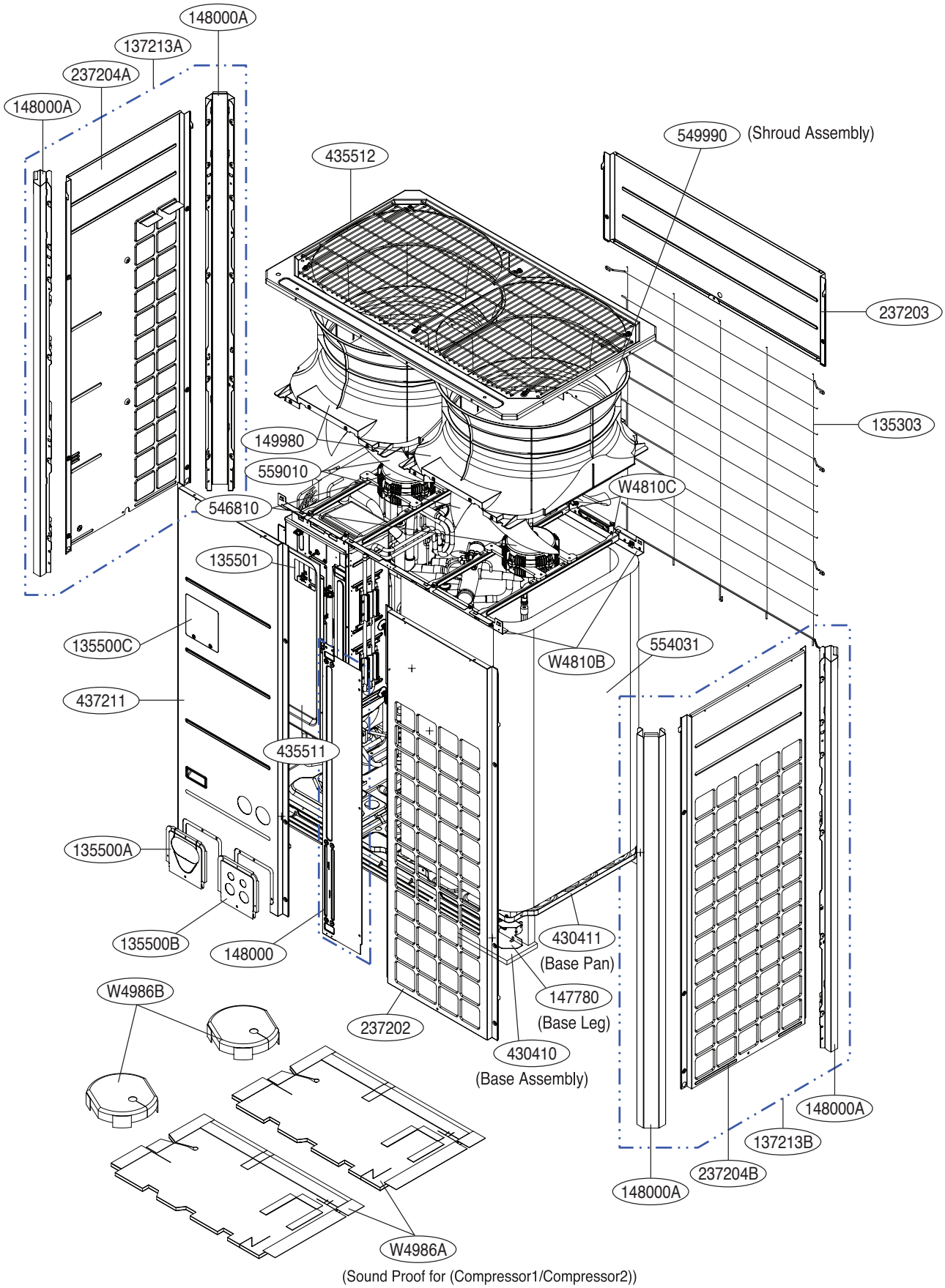






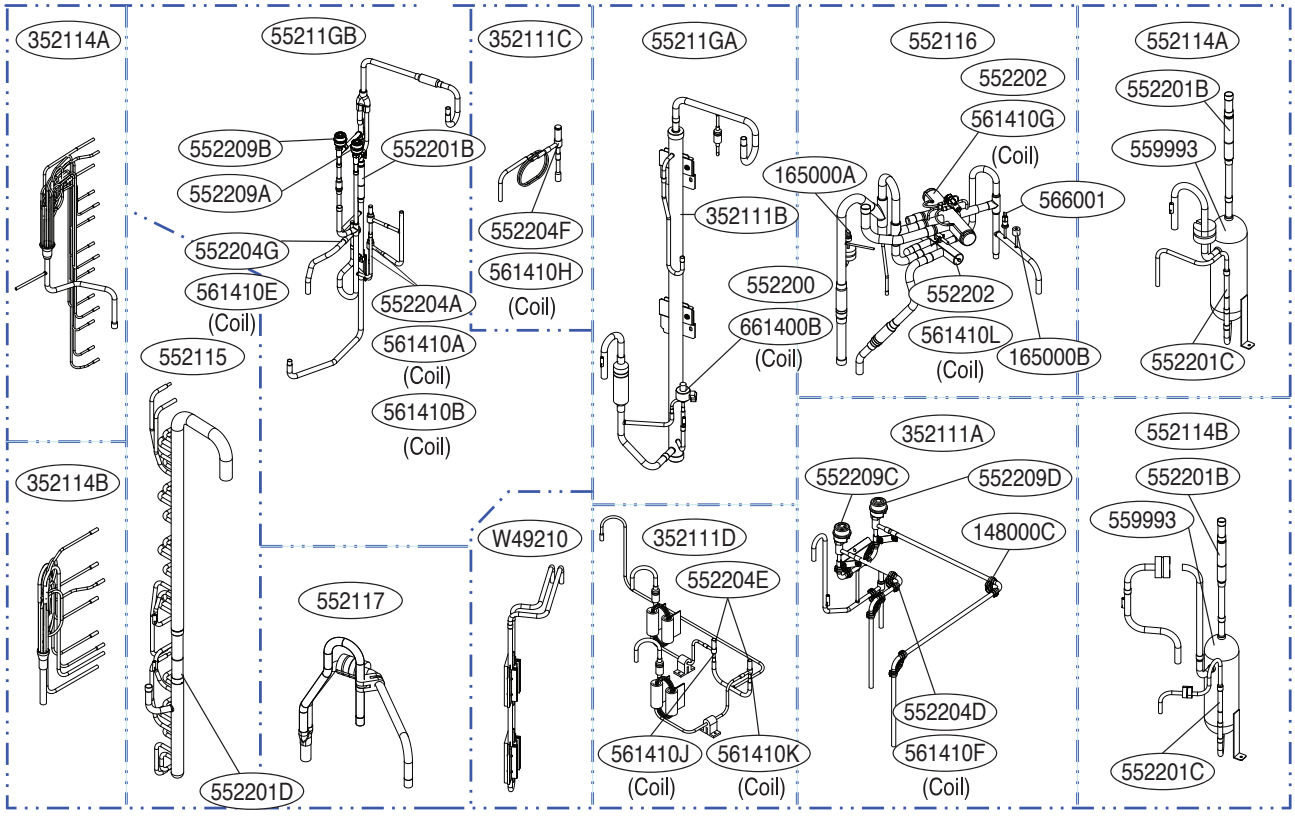
Part	SVC Location NO.	Description
Control Box	249950	Case Assembly, Control Box
Main PCB	268711A	PCB Assembly,Cycle(Onboarding)
External PCB	268711B	PCB Assembly,Main
Inverter PCB	268711C	PCB Assembly,Inv(Onboarding)
Fan PCB	268711E	PCB Assembly,Fan(Onboarding)
Option PCB	268711F	PCB Assembly,Sub
Noise Filter PCB	W6200	Filter,AC Line

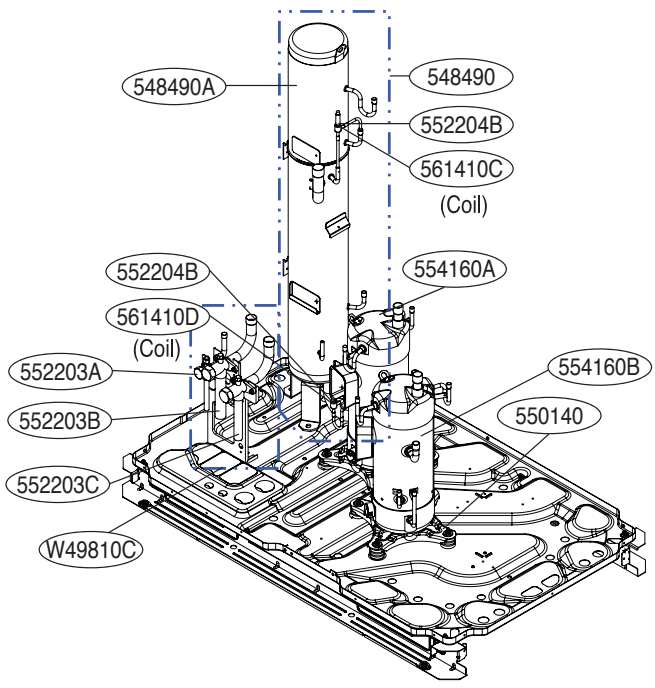
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18~22 HP (UXB 2 Comp)







W49810A



(Compressor1 Oil Level sensor)

W49810B

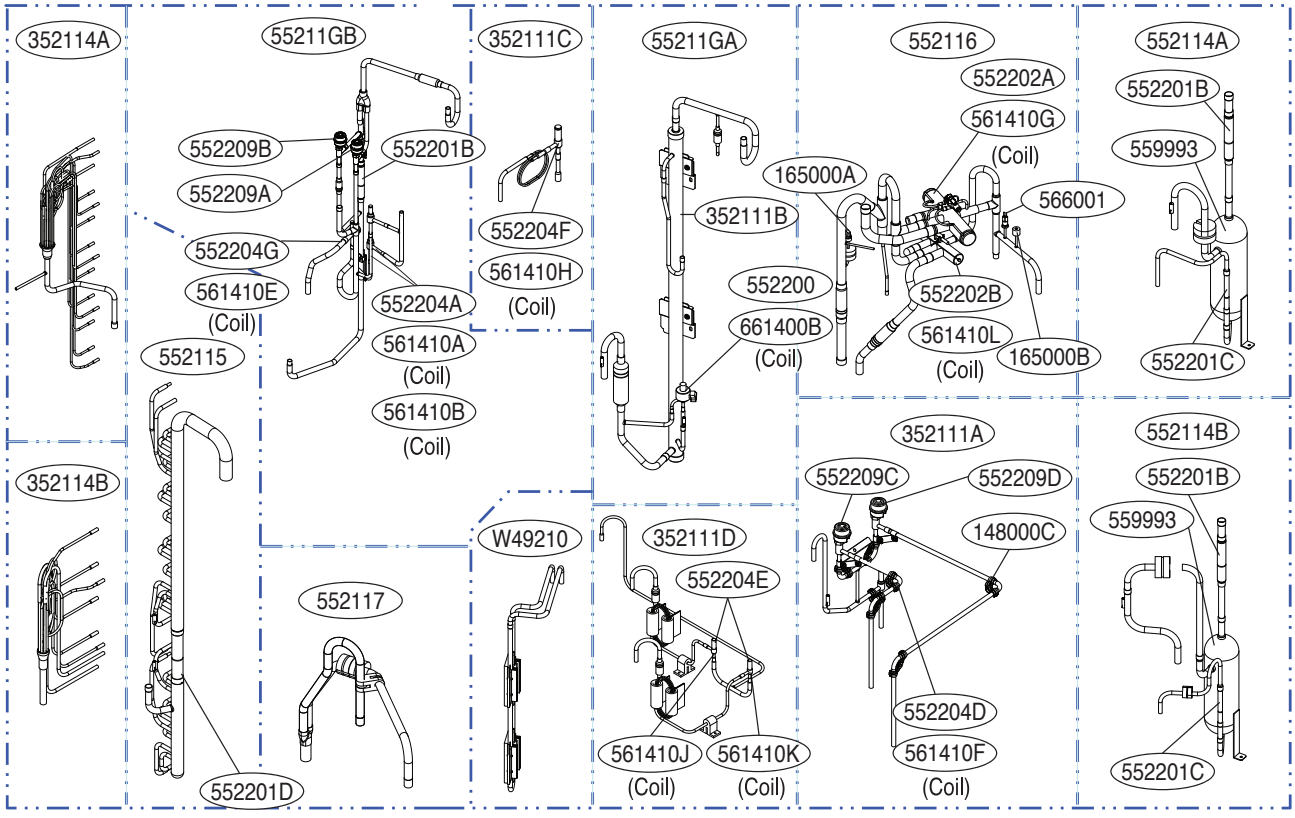


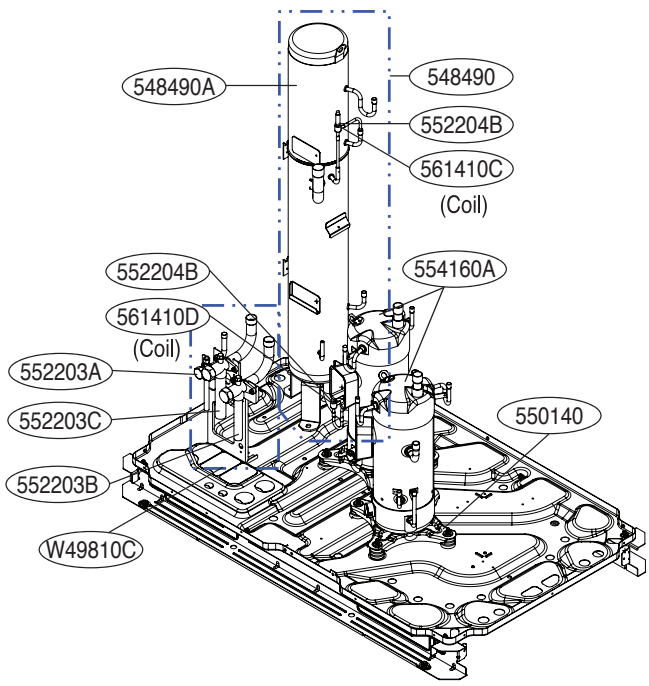
(Compressor2 Oil Level sensor)

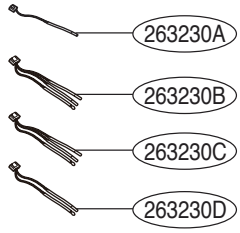
Part	L/No	Sensor location	Housing color
Temp. Sensor 1	263230A	Air	Green
Temp. Sensor 2	263230B	Suction Pipe + HEX1(Temp. Sensor) + Inverter1 Discharge	Purple
Temp. Sensor 3	263230C	Sub Cool Out + HEX2(Upper Temp. Sensor) + Liquid Pipe	Yellow
Temp. Sensor 4	263230D	HEX3(Low Temp. Sensor) + Inverter2 Discharge + Sub Cool In	Black

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24, 26 HP (UXB 2 Comp)







W49810A



(Compressor1 Oil Level sensor)

W49810B



(Compressor2 Oil Level sensor)

Part	L/No	Sensor location	Housing color
Temp. Sensor 1	263230A	Air	Green
Temp. Sensor 2	263230B	Suction Pipe + HEX1(Temp. Sensor) + Inverter1 Discharge	Purple
Temp. Sensor 3	263230C	Sub Cool Out + HEX2(Upper Temp. Sensor) + Liquid Pipe	Yellow
Temp. Sensor 4	263230D	HEX3(Low Temp. Sensor) + Inverter2 Discharge + Sub Cool In	Black

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