



The Fujitsu S-Series VRF system is truly adaptable air conditioning technology, with a complete range of wall, ceiling and floor-standing models available. With capacities ranging from a compact 2.2kW to a powerful 17kW, the Fujitsu VRF range combines performance and reliability with complete flexibility of design. Both 2-pipe heat pump and 3-pipe heat recovery systems are available.

Excellent efficiencies and noise levels for a R407C VRF system are achieved by the use of multiple constant speed compressors, coupled with power accumulation technology (3-pipe) and gas density control technology (2-pipe).





Outdoor Units

Specification				AOY72PCMF	AOY90PCMF	AOY90MPBMF
Power Requirement		PH, Hz		3PH, 4W, 50Hz	3PH, 4W, 50Hz	3PH, 4W, 50Hz
		V		380 - 415	380 - 415	380 - 415
Total Capacity	Cooling	kW		22.4	28.0	28.0
	Heating			25.2	31.5	31.5
Total Input Power	Cooling	kW		7.23	9.03	9.40
	Heating			7.60	8.50	10.00
Total Current	Cooling	A		12.5	15.2	16.2
	Heating			13.0	14.3	17.0
Starting Current		A		70.0	81.0	75.0
E.E.R.	Cooling	-		3.10	3.10	2.98
	Heating			3.30	3.71	3.15
Fan Speed	High	r.p.m.		730	730	730
	Low			360	360	360
Air Volume	High	m ³ /h		9800	9800	9800
Heat Exchanger				Plate Fin Coil	Plate Fin Coil	Plate Fin Coil
Fan Type x Qty				Propeller x 2	Propeller x 2	Propeller x 2
Fan Motor Output		W		150 x 2	150 x 2	150 x 2
Compressor	Motor Output	kW		1.5/2.4/4.8	1.5/3.4/4.9	1.5/3.4/5.0
	Protection		Internal Protector (OCR) High Pressure Relief Valve		Internal Protector (OCR) High Pressure Relief Valve	Internal Protector (OCR) High Pressure Relief Valve
Dimensions (HxWxD)	Net	mm		1380 x 1300 x 650	1380 x 1300 x 650	1380 x 1300 x 650
	Gross			1535 x 1400 x 770	1535 x 1400 x 770	1535 x 1400 x 770
Weights	Net	kg		307	313	313
	Gross			343	349	350
Noise Level (Sound Pressure)		dB(A)		56	57	57
Conditions	Indoor Air Temp.	Cooling	DB/WB	27°C/19°C	27°C/19°C	27°C/19°C
		Heating		20°C/(15°C)	20°C/(15°C)	20°C/(15°C)
	Outdoor Air Temp.	Cooling	DB/WB	35°C/24°C	35°C/24°C	35°C/24°C
		Heating		7°C/6°C	7°C/6°C	7°C/6°C
Refrigerant	Type		R407C	R407C	R407C	
	Charge	kg	9.0	10.0	13.0	
Refrigerant Oil	Type		Emikarate RL 32CF	Emikarate RL 32CF	Emikarate RL 32CF	
	Charge	cc	1120/1242/1774+2000	1120/1360/1774+2000	1120/2130/1774+2000	
Pipe	Size	Liquid	inches	1/2 (12.70mm)	1/2 (12.70mm)	1/2 (12.70mm)
		Discharge Gas		N/A	N/A	3/4 (19.05mm)
		Suction Gas		1-1/8 (28.58mm)	1-1/8 (28.58mm)	1-1/8 (28.58mm)
	Max Length		m	100	100	100
	Max Height			50	50	50
Operation Range (Outdoor)	Cooling	°C		-15 ~ 52	-15 ~ 52	-5 ~ 52
	Heating			-15 ~ 21	-15 ~ 21	-15 ~ 21
Connectable Indoor Unit				13 Maximum	16 Maximum	16 Maximum
Connectable Indoor Unit Capacity				50% to 130%	50% to 130%	50% to 130%

Cooling & Heating capacities are based on the following conditions:

Cooling: Indoor Temp.: 27°C DB/19°C WB, Outdoor Temp.: 35°C DB/24°C WB

Heating: Indoor Temp.: 20°C DB, Outdoor Temp.: 7°C DB

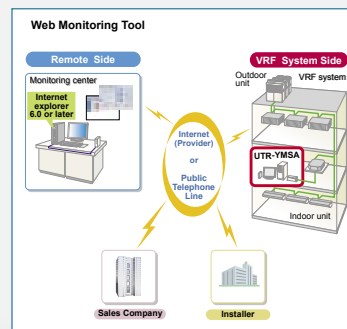
For full installation details please contact your local distributor

S-Series VRF



Indoor Units

			Compact Wall				Wall		
Model			ASY7TF	ASY9TF	ASY12TF	ASY14TF	ASY18TF	ASY24TF	ASY30TF
Power Supply	V - PH - HZ		230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
Cooling capacity	kW		2.15	2.80	3.50	3.80	5.40	6.90	8.00
	BTU/h		7400	9600	11900	13000	18400	23600	27300
Heating capacity	kW		2.45	3.10	4.10	4.50	5.60	7.80	8.80
	BTU/h		8400	10600	14000	15400	19100	26600	30000
Input Power	W		26	30	35	39	38	50	60
Running Current	A		0.15	0.16	0.18	0.20	0.18	0.24	0.28
Maximum Current	A		0.18	0.19	0.22	0.24	0.22	0.29	0.34
Air Circulation	High	m ³ /h	410	450	520	540	840	950	1050
	Med		380	410	500	510	700	800	940
	Low		350	370	470	490	600	670	780
Fan Motor Output	W		17	17	17	17	38	38	38
Noise Level (Sound Pressure)	High	dB(A)	30	33	37	38	42	45	48
	Med		28	30	36	37	39	42	45
	Low		26	27	34	35	35	38	42
Fan Type x Q'ty			Cross Flow x 1	Cross Flow x 1	Cross Flow x 1	Cross Flow x 1	Cross Flow x 1	Cross Flow x 1	Cross Flow x 1
Heat Exchanger			Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil
Dimensions (H x W x D)	Net	mm	257 x 808 x 187	257 x 808 x 187	257 x 808 x 187	257 x 808 x 187	320 x 1120 x 220	320 x 1120 x 220	320 x 1120 x 220
	Gross		270 x 850 x 310	270 x 850 x 310	270 x 850 x 310	270 x 850 x 310	348 x 1240 x 427	348 x 1240 x 427	348 x 1240 x 427
Weights	Net	kg	8	8	8	8	16	16	16
	Gross		10	10	10	10	25	25	25
Pipe size	Liquid	inches	1/4 (6.35mm)	1/4 (6.35mm)	1/4 (6.35mm)	1/4 (6.35mm)	1/4 (6.35mm)	1/4 (6.35mm)	3/8 (9.52mm)
	Gas		3/8 (9.52mm)	3/8 (9.52mm)	1/2 (12.70mm)	1/2 (12.70mm)	5/8 (15.88mm)	5/8 (15.88mm)	5/8 (15.88mm)
Pipe Connection Method			Flare	Flare	Flare	Flare	Flare	Flare	Flare





			Compact Cassette					Cassette					
Model			AUY7TF	AUY9TF	AUY12TF	AUY14TF	AUY18TF	AUY20TF	AUY25TF	AUY30TF	AUY36TF	AUY45TF	AUY54TF
Power Supply	V - PH - HZ		230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	
Cooling capacity	kW		2.15	2.80	3.60	4.00	5.00	5.70	7.05	8.80	10.50	12.70	14.10
	BTU/h		7400	9600	12300	13700	17100	19500	24100	30000	35800	43400	48100
Heating capacity	kW		2.45	3.10	4.10	4.50	5.45	5.80	7.85	9.10	10.70	13.70	15.80
	BTU/h		8400	10600	14000	15400	18600	19800	26800	31100	36500	46800	53900
Input Power	W		28	28	52	52	50	104	124	140	175	190	219
Running Current	A		0.13	0.13	0.23	0.23	0.22	0.60	0.64	0.67	0.92	0.94	0.95
Maximum Current	A		0.15	0.15	0.27	0.27	0.26	0.72	0.77	0.80	1.10	1.12	1.14
Air Circulation	High	m ³ /h	530	530	580	580	640	1000	1100	1200	1500	1650	1780
	Med		480	480	520	520	540	840	940	1050	1300	1450	1550
	Low		410	410	460	460	470	700	780	840	1100	1200	1300
Fan Motor Output	W		9	9	10	10	15	42	42	42	90	90	90
Noise Level (Sound Pressure)	High	dB(A)	38	38	41	41	44	42	44	46	48	49	52
	Med		35	35	37	37	38	38	42	44	44	47	49
	Low		31	31	34	34	35	35	39	41	41	43	45
Fan Type x Q'ty			Turbo x 1	Turbo x 1	Turbo x 1	Turbo x 1	Turbo x 1	Turbo x 1	Turbo x 1	Turbo x 1	Turbo x 1	Turbo x 1	Turbo x 1
Heat Exchanger			Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil
Dimensions (H x W x D)	Net	mm	230 x 570 x 570	230 x 570 x 570	230 x 570 x 570	230 x 570 x 570	230 x 570 x 570	246 x 830 x 830	246 x 830 x 830	246 x 830 x 830	296 x 830 x 830	296 x 830 x 830	296 x 830 x 830
	Gross		280 x 710 x 750	280 x 710 x 750	280 x 710 x 750	280 x 710 x 750	280 x 710 x 750	355 x 1060 x 1025	355 x 1060 x 1025	355 x 1060 x 1025	455 x 1060 x 1025	455 x 1060 x 1025	455 x 1060 x 1025
Weights	Net	kg	18	18	18	18	18	34	34	34	40	40	40
	Gross		23	23	23	23	23	45	45	45	60	60	60
Pipe size	Liquid	inches	1/4 (6.35mm)	1/4 (6.35mm)	1/4 (6.35mm)	1/4 (6.35mm)	1/4 (6.35mm)	1/4 (6.35mm)	1/4 (6.35mm)	3/8 (9.52mm)	3/8 (9.52mm)	3/8 (9.52mm)	3/8 (9.52mm)
	Gas		3/8 (9.52mm)	3/8 (9.52mm)	1/2 (12.70mm)	1/2 (12.70mm)	5/8 (15.88mm)	5/8 (15.88mm)	5/8 (15.88mm)	5/8 (15.88mm)	3/4 (19.05mm)	3/4 (19.05mm)	3/4 (19.05mm)
Pipe Connection Method			Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare

Cooling & Heating capacities are based on the following conditions:
Cooling: Indoor Temp.: 27°C DB/19°C WB, Outdoor Temp.: 35°C DB/24°C WB
Heating: Indoor Temp.: 20°C DB, Outdoor Temp.: 7°C DB

For full installation details please contact your local distributor

PC controller



Central remote controller



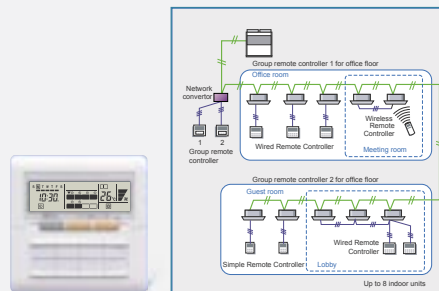
S-Series VRF (indoor)



			Compact Duct				
Model			ARY7TF	ARY9TF	ARY12TF	ARY14TF	ARY18TF
Power Supply	V - PH - HZ		230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
Cooling capacity	kW		2.15	2.80	3.50	4.00	5.30
	BTU/h		7300	9600	11900	13700	18100
Heating capacity	kW		2.45	3.10	4.10	4.80	5.60
	BTU/h		8400	10600	14000	16400	19100
Input Power	W		40	43	34	50	62
Running Current	A		0.21	0.21	0.20	0.23	0.27
Maximum Current	A		0.25	0.25	0.24	0.27	0.32
Air Circulation	High	m ³ /h	340	420	460	640	750
	Med		320	390	430	560	700
	Low		290	360	390	480	640
Fan Motor Output	W		12	14	16	18	21
Noise Level (Sound Pressure)	High	dB(A)	31	35	28	34	36
	Med		28	33	27	32	35
	Low		26	31	26	30	33
Fan Type x Q'ty			Sirocco x 1	Sirocco x 1	Sirocco x 2	Sirocco x 2	Sirocco x 2
Heat Exchanger			Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil
Dimensions (H x W x D)	Net	mm	217 x 663 x 595	217 x 663 x 595	217 x 953 x 595	217 x 953 x 595	217 x 953 x 595
	Gross		324 x 785 x 686	324 x 785 x 686	324 x 1075 x 686	324 x 1075 x 686	324 x 1075 x 686
Weights	Net	kg	18	18	25	25	25
	Gross		22	22	29	29	29
Pipe size	Liquid	inches	1/4 (6.35mm)	1/4 (6.35mm)	1/4 (6.35mm)	1/4 (6.35mm)	1/4 (6.35mm)
	Gas		3/8 (9.52mm)	3/8 (9.52mm)	1/2 (12.70mm)	1/2 (12.70mm)	5/8 (15.88mm)
Pipe Connection Method			Flare	Flare	Flare	Flare	Flare

Air volume of ARY7TF to ARY18TF models is given when external static pressure is 0Pa

Group remote controller





Model			Duct				Duct (HSP)	Universal Floor / Ceiling			
			ARY25TF	ARY30TF	ARY36TF	ARY45TF	ARY60H	ABY12TF	ABY14TF	ABY18TF	ABY24TF
Power Supply		V - PH - HZ	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
Cooling capacity		kW	7.05	8.80	10.50	12.70	17.00	3.50	4.05	5.30	6.60
		BTU/h	24100	30000	36000	43500	58000	11900	13800	18100	22500
Heating capacity		kW	7.85	9.10	10.70	13.70	17.60	4.10	5.00	5.60	7.70
		BTU/h	26800	31000	36500	47000	60100	14000	17100	19100	26300
Input Power		W	155	240	265	315	733	57	57	88	88
Running Current		A	0.68	1.06	1.16	1.44	3.58	0.25	0.25	0.38	0.38
Maximum Current		A	0.84	1.58	1.58	1.84	4.81	0.30	0.30	0.45	0.45
Air Circulation		High	1200	1650	2000	2200	3000	640	640	770	900
		Med	1100	1550	1800	2000	2750	560	560	680	780
		Low	1000	1350	1600	1800	2500	480	480	560	660
Fan Motor Output		W	70	275	275	275	500	16	16	30	40
Noise Level (Sound Pressure)		High	44	47	47	49	53	40	40	46	49
		Med	42	45	45	47	52	37	37	42	45
		Low	40	43	43	45	51	34	34	37	41
Fan Type x Q'ty			Sirocco x 2	Sirocco x 2	Sirocco x 2	Sirocco x 2	Sirocco x 2	Sirocco x 2	Sirocco x 2	Sirocco x 2	Sirocco x 2
Heat Exchanger			Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil
Dimensions (H x W x D)		Net	270 x 1210 x 700	270 x 1210 x 700	270 x 1210 x 700	270 x 1210 x 700	400 x 1250 x 800	199 x 990 x 655	199 x 990 x 655	199 x 990 x 655	199 x 990 x 655
		Gross	330 x 1300 x 790	330 x 1300 x 790	330 x 1300 x 790	330 x 1300 x 790	500 x 1430 x 930	320 x 1150 x 790	320 x 1150 x 790	320 x 1150 x 790	320 x 1150 x 790
Weights		Net	43	43	45	45	75	28	28	28	30
		Gross	58	58	60	60	90	39	39	39	39
Pipe size		Liquid	1/4 (6.35mm)	3/8 (9.52mm)	3/8 (9.52mm)	3/8 (9.52mm)	3/8 (9.52mm)	1/4 (6.35mm)	1/4 (6.35mm)	1/4 (6.35mm)	1/4 (6.35mm)
		Gas	5/8 (15.88mm)	5/8 (15.88mm)	3/4 (19.05mm)	3/4 (19.05mm)	3/4 (19.05mm)	1/2 (12.70mm)	1/2 (12.70mm)	5/8 (15.88mm)	5/8 (15.88mm)
Pipe Connection Method			Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare

Cooling & Heating capacities are based on the following conditions:

Cooling: Indoor Temp.: 27°C DB/19°C WB, Outdoor Temp.: 35°C DB/24°C WB

Heating: Indoor Temp.: 20°C DB, Outdoor Temp.: 7°C DB

Air volume of ARY25TF to ARY45TF models is given when external static pressure is 100Pa

Air volume of ARY60H model is given when external static pressure is 200Pa

For full installation details please contact your local distributor



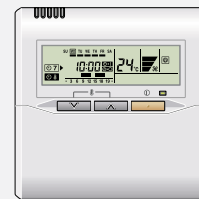
Wireless remote controller



Simple remote controller w/o mode control

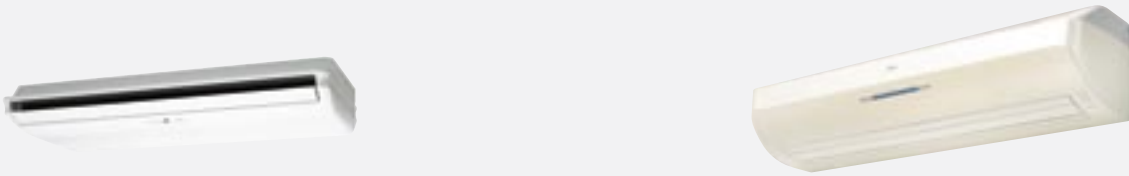


Simple remote controller

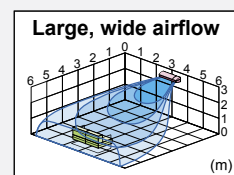
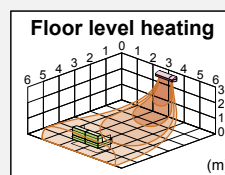
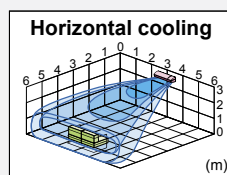
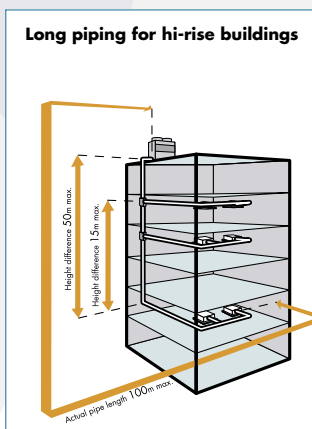


Wired remote controller

S-Series VRF (indoor)

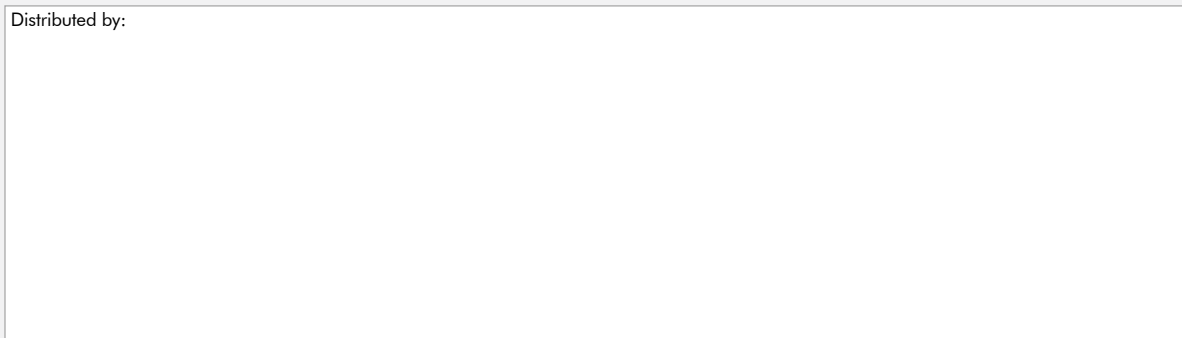


		Large Ceiling				Ceiling Wall				
Model		ABY30TF	ABY36TF	ABY45TF	ABY54TF	AWY14TF	AWY18TF	AWY24TF	AWY30TF	
Power Supply	V - PH - HZ	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	
Cooling capacity	kW	8.80	10.50	12.70	14.10	4.30	5.40	6.90	8.00	
	BTU/h	30000	36000	43500	48200	14700	18400	23600	27300	
Heating capacity	kW	9.10	10.70	13.70	15.80	4.90	5.60	7.80	8.80	
	BTU/h	31000	36500	47000	54000	16700	19100	26600	30000	
Input Power	W	124	144	160	180	21	30	40	50	
Running Current	A	1.14	1.16	1.17	1.17	0.10	0.14	0.19	0.24	
Maximum Current	A	1.36	1.39	1.40	1.40	0.12	0.17	0.23	0.29	
Air Circulation	High	m ³ /h	1620	1890	2110	2350	650	760	900	950
	Med		1540	1710	1890	2180	570	660	780	870
	Low		1360	1450	1630	1900	490	560	650	780
Fan Motor Output	W	160	160	160	160	32	32	32	32	
Noise Level (Sound Pressure)	High	dB(A)	42	47	50	52	37	40	44	47
	Med		38	44	48	50	35	37	41	45
	Low		35	39	44	46	32	34	37	42
Fan Type x Q'ty		Sirocco x 4	Sirocco x 4	Sirocco x 4	Sirocco x 4	Cross Flow x 1	Cross Flow x 1	Cross Flow x 1	Cross Flow x 1	
Heat Exchanger		Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	Plate Fin Coil	
Dimensions (H x W x D)	Net	mm	240 x 1660 x 700	240 x 1660 x 700	240 x 1660 x 700	240 x 1660 x 700	270 x 1150 x 285	270 x 1150 x 285	270 x 1150 x 285	270 x 1150 x 285
	Gross		318 x 1800 x 790	318 x 1800 x 790	318 x 1800 x 790	318 x 1800 x 790	400 x 1260 x 380	400 x 1260 x 380	400 x 1260 x 380	400 x 1260 x 380
Weights	Net	kg	48	48	48	49	16	16	16	16
	Gross		61	61	61	62	20	20	20	20
Pipe size	Liquid	inches	3/8 (9.52mm)	3/8 (9.52mm)	3/8 (9.52mm)	3/8 (9.52mm)	1/4 (6.35mm)	1/4 (6.35mm)	1/4 (6.35mm)	3/8 (9.52mm)
	Gas		5/8 (15.88mm)	3/4 (19.05mm)	3/4 (19.05mm)	3/4 (19.05mm)	1/2 (12.70mm)	5/8 (15.88mm)	5/8 (15.88mm)	5/8 (15.88mm)
Pipe Connection Method		Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	



S-SERIES VRF ACCESSORIES	
Description	Part Number
Wired Remote Controller	UTB-YUB
Simple Wired Remote Controller (with Mode Control)	UTB-YPB
Simple Wired Remote Controller (without Mode Control)	UTB-YRA
Group Remote Controller (Requires Network Converter)	UTB-YDB
External Switch Controller	UTR-YESA
Wireless Remote Controller	UTB-YVB
Central Remote Controller	UTB-YCA
PC Controller Software	UTR-YOTB
Signal Amplifier	UTR-YRPC
BMS Interface Convertors	On Application
Network Converter*	UTR-YRDA
*(Also require Wired Remote Controller or Group Remote Controller)	
Web Monitoring Tool	UTR-YMSA
Refrigerant Branch (RB) Unit - 4 Way	UTF-Y90A4A
Refrigerant Branch (RB) Unit - 1 Way	UTF-Y54A1A
Separation Tube	UTR-BP54TA
Separation Tube	UTR-BP54MA
Separation Tube	UTR-BP90TA
Separation Tube	UTR-BP90MA
Remote Sensor	UTD-RS100
Header	UTR-HD906A
Header	UTR-HD906R
Header	UTR-HD908A
Header	UTR-HD908R
Filter for ARY25 to ARY45	UTD-LF270
Round Outlet Flange for ARY25 to ARY45	UTD-RF204
Outlet Chamber for ARY60TFBMF	UTD-BC200
"Drain Up" Kit for Ceiling Type	UTR-DPB241

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