

MODEL	AR12TSFZCWX/AX	AR18TSFZCWX/AX	AR24TSFZCWX/AX
Description	Mini Split Samsung Inverter Heat Pump 12,000 Btu/h (1.5 TON) SEER 20 Refrigerant R410A - 220-1-60. WiFi integration with Smart App - Artificial intelligence, voice recognition and diagnosis thru Samsung App. Triple protection Plus Anti-Corrosion Fin, Compressor Protector, PBA Protector. Pre filter, Auto Clean, Sleep and Quiet function. Operation range Cooling (°C) -5~46/Heating (°C) -10~24	Mini Split Samsung Inverter Heat Pump 18,000 Btu/h (1.5 TON) SEER 19 Refrigerant R410A - 220-1-60. WiFi integration with Smart App - Artificial intelligence, voice recognition and diagnosis thru Samsung App. Triple protection Plus Anti-Corrosion Fin, Compressor Protector, PBA Protector. Pre filter, Auto Clean, Sleep and Quiet function. Operation range Cooling (°C) -10~46/Heating (°C) -15~24	Mini Split Samsung Inverter Heat Pump 22,000 Btu/h (~2 TON) SEER 17 Refrigerant R410A - 220-1-60. WiFi integration with Smart App - Artificial intelligence, voice recognition and diagnosis thru Samsung App. Triple protection Plus Anti-Corrosion Fin, Compressor Protector, PBA Protector. Pre filter, Auto Clean, Sleep and Quiet function. Operation range Cooling (°C) -10~46/Heating (°C) -15~24

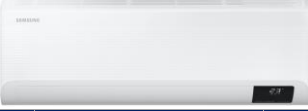
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MODEL		AR12TSFZCWX/AX	AR18TSFZCWX/AX	AR24TSFZCWX/AX		
IDU		AR12TSFZCWX/AX	AR18TSFZCWX/AX	AR24TSFZCWX/AX		
ODU		AR12TSFZCWX/AX	AR18TSFZCWX/AX	AR24TSFZCWX/AX		
Type		Inverter	Inverter	Inverter		
Cycle		HP	HP	HP		
Capacity		12K	18K	24K		
Performance	Capacity (Btu/h)	Cooling	12000 Btu/hr	18000 Btu/hr	22000 Btu/hr	
		Heating	12000 Btu/hr	19000 Btu/hr	24000 Btu/hr	
		Cooling, Min - Max, Btu/hr	2,200 ~ 13,600 Btu/hr	5,500 ~ 22,000 Btu/hr	5,450 ~ 27,000 Btu/hr	
	Capacity (kW)	Heating, Min - Max, Btu/hr	1,500 ~ 13,000 Btu/hr	4,000 ~ 21,500 Btu/hr	4,000 ~ 30,400 Btu/hr	
		Cooling, kW	3.52 kW	5.28 kW	6.45 kW	
		Heating, kW	3.52 kW	5.57 kW	7.03 kW	
	Energy Efficiency	Cooling, Min - Max, kW	0.64 ~ 3.99 kW	1.61 ~ 6.45 kW	1.6 ~ 7.91 kW	
		Heating, Min - Max, kW	0.44 ~ 3.81 kW	1.17 ~ 6.3 kW	1.17 ~ 8.91 kW	
		SEER(Btu/hW)	20.46	19.90	17.27	
		EER (Cooling, W/W)	2.62 W/W	3.24 W/W	3.24 W/W	
		COP (Heating, W/W)	3.48 W/W	3.42 W/W	3.20 W/W	
		EER (Cooling, Btu/hW)	8.96 Btu/hW	11.04 Btu/hW	11.06 Btu/hW	
Noise Level	COP (Heating, Btu/hW)	11.88 Btu/hW	11.66 Btu/hW	10.91 Btu/hW		
	Noise Level (Indoor, High/Low, dBA)	42 / 23 dBA	43 / 25 dBA	44 / 28 dBA		
Electrical Data	Noise Level (Outdoor, High/Low, dBA)	48 dBA	51 dBA	54 dBA		
	Power Source	V/Hz/Φ	220V~/60Hz / 1Φ	220V~/60Hz / 1Φ	220V~/60Hz / 1Φ	
	Power Consumption	Cooling, W	1340 W	1630 W	1990 W	
	Power Consumption	Heating, W	1010 W	1630 W	2200 W	
	Operating Current	Cooling, A	6.0 A	7.5 A	9.2 A	
Physical Specification	Dimension	Operating Current	Heating, A	4.7 A	7.5 A	10.0 A
		Net Dimension (WxHxD)	Indoor (mm)	820 x 299 x 215	1055 x 299 x 215	1055 x 299 x 215
			Outdoor (mm)	660 x 475 x 242	790 x 548 x 285	880 x 638 x 310
		Gross Dimension (WxHxD)	Indoor (mm)	880 x 375 x 290	1115 x 375 x 290	1115 x 375 x 290
	Outdoor (mm)		778 x 550 x 331	913 x 622 x 371	1023 x 724 x 413	
	Weight(kg)	Net Weight (kg)	Indoor	9.2	11.5	11.5
		Outdoor	31.7	32.4	42.7	
	Loading Qty	Gross Weight (kg)	Indoor	10.5	13.2	13.2
		Outdoor	36.0	37.4	48.2	
	Technical Information	Piping	(20/40/40Hft without Pipe)	120 / 248 / 280	80 / 168 / 198	65 / 138 / 154
(20/40/40Hft with Pipe)			111 / 224 / 256	80 / 168 / 192	60 / 131 / 145	
SVC Valve		Length (Max, m)	15 m	30 m	30 m	
		Height (Max, m)	8 m	15 m	15 m	
Outdoor Unit & PBA		Liquid ODXL	Gas ODXL	6.4	6.4	6.4
			Gas ODXL	9.5	12.7	15.9
		Moisture removal (l/hr)	Moisture removal (l/hr)	1.5 l/hr	2.0 l/hr	2.5 l/hr
			Air Circulation (Cooling, m ³ /min)	11.9 m ³ /min	17.9 m ³ /min	17.2 m ³ /min
		Refrigerant (Type)	Refrigerant (Type)	R410A	R410A	R410A
			Refrigerant (Charging, kg)	0.88 kg	1.11 kg	1.40 kg
		Low Ambient (Cooling, °C)	Low Ambient (Cooling, °C)	-5~46 °C	-10~46 °C	-10~46 °C
			Low Ambient (Heating, °C)	-10~24 °C	-15~24 °C	-15~24 °C
		Compressor Type	Compressor Type	BLDC	BLDC	BLDC
			Anti-Corrosion Fin	YES	YES	YES
Compressor Protector		Compressor Protector	YES	YES	YES	
	PBA Protector	YES	YES	YES		
Condensator TYPE	Condensator TYPE	Φ7W*2R (1.5 4-4-2 (N-V2))	Φ7*2R L1.4 3-3-1 (N-SI)	Φ7*2R L1.4 4-4-1 (Q)		
	Wind-Free	NO	NO	NO		
Air Flow	Air Direction Control (Up/Down)	Auto	Auto	Auto		
	Air Direction Control (Left/Right)	Manual	Manual	Manual		
	Air Flow Control Step (Cool/Fan)	5/4	5/4	5/4		
	Auto Fan speed	YES	YES	YES		
Air Purification	Pre-Filter	Allergy Care / Anti-Bacteria / Anti-Virus	YES	YES		
	Eco-filter	Washable, Allergy Care / Anti-Bacteria / Anti-Virus	NO	NO		
General	Convenience	Auto Clean (Self Cleaning)	YES	YES	YES	
		Smart Things	YES	YES	YES	
		Filter Cleaning Indicator	YES	YES	YES	
		Indoor Temp. Display	YES	YES	YES	
		Remote Controller	RS-3	RS-3	RS-3	
		88 Display On/ Off	YES	YES	YES	
		Beep On/Off	YES	YES	YES	
		24-Hour Timer / Real Timer	24 Hr	24 Hr	24 Hr	
		Auto Changeover	YES	YES	YES	
		Auto Restart	YES	YES	YES	
	Operating Mode	AI Comfort with WiFi	YES	YES	YES	
		2 Step Cooling	YES	YES	YES	
		Fast Cool	YES	YES	YES	
		Good Sleep	YES	YES	YES	
		Single User Mode	YES	YES	YES	
Window Display	Dehumidification	YES	YES	YES		
	Fan Mode	YES	YES	YES		
	Quiet	YES	YES	YES		
Installation Parts	LED 3ea	AI/Sleep/Timer	88	88		
	Accessory Box	Accessory Box	YES	YES	YES	
		Connecting Pipe	YES	YES	YES	
Connecting Wire		NO	NO	NO		
Smart	Connection	WiFi Type	YES	YES	YES	
		SmartThings	YES	YES	YES	
	Voice Recognition	OTN	YES	YES	YES	
		Mobile only	YES	YES	YES	
	Mobile App.	Artificial Intelligence	YES	YES	YES	
		Power monitoring	YES	YES	YES	
Diagnosis	YES	YES	YES			

MODEL	AR12TVFCWK/AX	AR18TVFCWK/AX	AR24TVFCWK/AX
Description	Mini Split Samsung Inverter Cooling only 12,000 Btu/h (1 TON) SEER 20 Refrigerant R410A - 220-1-60. Wi Fi integration with Smart App - Artificial intelligence, voice recognition and diagnosis thru Samsung App. Triple protection Plus Anti-Corrosion Fin, Compressor Protector, PBA Protector. Pre filter, Auto Clean, Sleep and Quiet function. Operation range Cooling (°C) 16~46	Mini Split Samsung Inverter Cooling Only 18,000 Btu/h (1.5 TON) SEER 19 Refrigerant R410A 220-1-60. Wi Fi integration with Smart App - Artificial intelligence, voice recognition and diagnosis thru Samsung App. Triple protection Plus Anti-Corrosion Fin, Compressor Protector, PBA Protector. Pre filter, Auto Clean, Sleep and Quiet function. Operation range Cooling (°C) 16~46	Mini Split Samsung Inverter Cooling Only 21,000 Btu/h (~2 TON) SEER 18 Refrigerant R410A 220-1-60. Wi Fi integration with Smart App - Artificial intelligence, voice recognition and diagnosis thru Samsung App. Triple protection Plus Anti-Corrosion Fin, Compressor Protector, PBA Protector. Pre filter, Auto Clean, Sleep and Quiet function. Operation range Cooling (°C) 16~46

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MODEL		AR12TVFCWK/AX	AR18TVFCWK/AX	AR24TVFCWK/AX		
IDU		AR12TVFCWK/NAX	AR18TVFCWK/NAX	AR24TVFCWK/NAX		
ODU		AR12TVFCWK/XAX	AR18TVFCWK/XAX	AR24TVFCWK/XAX		
Type		Inverter	Inverter	Inverter		
Cycle		CO	CO	CO		
Capacity						
Performance	Capacity (Btu/h)	Cooling	12000 Btu/hr	18000 Btu/hr	21000 Btu/hr	
		Heating	-	-	-	
		Cooling, Min - Max, Btu/hr	3,000 ~ 13,600 Btu/hr	5,450 ~ 21,500 Btu/hr	5,620 ~ 24,000 Btu/hr	
	Capacity (kW)	Cooling, kW	3.52 kW	5.28 kW	6.15 kW	
		Heating, kW	-	-	-	
		Cooling, Min - Max, kW	0.88 ~ 3.99 kW	1.6 ~ 6.3 kW	1.65 ~ 7.03 kW	
	Energy Efficiency	SEER(Btu/hW)	20.17	19.02	18.84	
		EER (Cooling, W/W)	3.21 W/W	3.26 W/W	3.24 W/W	
		COP (Heating, W/W)	-	-	-	
		EER (Cooling, Btu/hW)	10.96 Btu/hW	11.11 Btu/hW	11.05 Btu/hW	
COP (Heating, Btu/hW)		-	-	-		
Noise Level	Noise Level (Indoor, High/Low, dBA)	38 / 22 dBA	43 / 25 dBA	44 / 29 dBA		
	Noise Level (Outdoor, High/Low, dBA)	48 dBA	50 dBA	55 dBA		
Electrical Data	Power Source	V/Hz/Φ	220V~/60Hz / 1Φ	220V~/60Hz / 1Φ		
	Power Consumption	Cooling, W	1095 W	1620 W	1900 W	
	Power Consumption	Heating, W	-	-	-	
	Operating Current	Cooling, A	5.2 A	7.5 A	8.7 A	
Physical Specification	Dimension	Net Dimension (WxHxD)	Indoor (mm)	820 x 299 x 215	889 x 299 x 215	1055 x 299 x 215
		Outdoor (mm)	720 x 548 x 265	790 x 548 x 285	880 x 638 x 310	
		Gross Dimension (WxHxD)	Indoor (mm)	880 x 375 x 290	950 x 375 x 290	1115 x 375 x 290
		Outdoor (mm)	844 x 622 x 353	913 x 622 x 371	1023 x 724 x 413	
	Weight(kg)	Net Weight (kg)	Indoor	9.2	11.5	11.5
		Outdoor	25.1	32.4	38.1	
	Gross Weight (kg)	Indoor	10.5	13.2	13.2	
		Outdoor	29.3	37.1	43.1	
	Loading Qty	(20/40/40Hft without Pipe)	96 / 197 / 232	85 / 180 / 208	65 / 138 / 154	
		(20/40/40Hft with Pipe)	92 / 192 / 228	85 / 178 / 204	60 / 131 / 145	
Technical Information	Piping	Length (Max, m)	15 m	30 m	30 m	
		Height (Max, m)	8 m	15 m	15 m	
	SVC Valve	Liquid ODXL	6.4	6.4	6.4	
		Gas ODXL	9.5	12.7	15.9	
	Moisture removal (l/hr)	1.5 l/hr	2.0 l/hr	2.5 l/hr		
	Air Circulation (Cooling, m ³ /min)	10.9 m ³ /min	17.9 m ³ /min	17.9 m ³ /min		
	Refrigerant (Type)	R410A	R410A	R410A		
	Refrigerant (Charging, kg)	1.00 kg	1.25 kg	1.40 kg		
	Low Ambient (Cooling, °C)	16~46 °C	16~46 °C	16~46 °C		
	Low Ambient (Heating, °C)	-	-	-		
Outdoor Unit & PBA	Triple Protector	Compressor Type	BLDC	BLDC	BLDC	
		Anti-Corrosion Fin	YES	YES	YES	
		Compressor Protector	YES	YES	YES	
		PBA Protector	YES	YES	YES	
Condensor TYPE	Φ7*2R L1.4 3-3-1 (N-WW)	Φ7*2R L1.4 3-3-1 (N-SI)	Φ7*2R L1.4 4-4-1 (Q)			
Air Flow	Wind-Free	NO	NO	NO		
		Air Direction Control (Up/Down)	Auto	Auto	Auto	
		Air Direction Control (Left/Right)	Manual	Manual	Manual	
		Air Flow Control Step (Cool/Fan)	5/4	5/4	5/4	
		Auto Fan speed	YES	YES	YES	
Air Purification	Pre-Filter	Allergy Care / Anti-Bacteria / Anti-Virus	YES	YES	YES	
	Eco-filter	Washable, Allergy Care / Anti-Bacteria / Anti-Virus	NO	NO	NO	
General	Convenience	Auto Clean (Self Cleaning)	YES	YES	YES	
		Smart Things	YES	YES	YES	
		Filter Cleaning Indicator	YES	YES	YES	
		Indoor Temp. Display	YES	YES	YES	
		Remote Controller	RS-3	RS-3	RS-3	
	88 Display On/ Off	YES	YES	YES		
	Beep On/Off	YES	YES	YES		
	24-Hour Timer / Real Timer	24 Hr	24 Hr	24 Hr		
	Auto Changeover	NO	NO	NO		
	Auto Restart	YES	YES	YES		
Operating Mode	AI Comfort with WiFi	YES	YES	YES		
	2 Step Cooling	YES	YES	YES		
	Fast Cool	YES	YES	YES		
	Good Sleep	YES	YES	YES		
	Single User Mode	YES	YES	YES		
Window Display	LED 3ea	Dehumidification	YES	YES	YES	
		Fan Mode	YES	YES	YES	
		Quiet	YES	YES	YES	
		AI/Sleep/Timer	88	88	88	
Installation Parts	Accessory Box	Accessory Box	YES	YES	YES	
		Connecting Pipe	YES	YES	YES	
		Connecting Wire	NO	NO	NO	
Smart	Connection	WiFi Type	YES	YES	YES	
		SmartThings	YES	YES	YES	
	Voice Recognition	OTN	YES	YES	YES	
		Mobile only	YES	YES	YES	
	Mobile App.	Artificial Intelligence	YES	YES	YES	
Power monitoring		YES	YES	YES		
Diagnosis	YES	YES	YES			