



# AB-TS24LS-230VO + AB-TS24DT-230VI

**Job Name:** \_\_\_\_\_  
**Location:** \_\_\_\_\_  
**Engineer:** \_\_\_\_\_  
**Submitted to:** \_\_\_\_\_  
**Submitted by:** \_\_\_\_\_  
**Reference:** \_\_\_\_\_

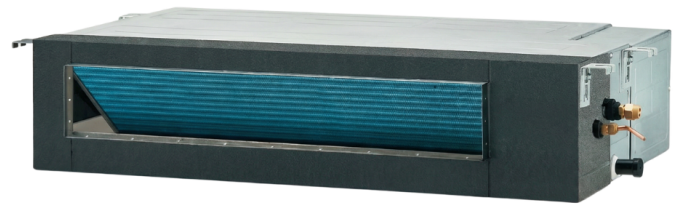
**Date:** \_\_\_\_\_  
**Approval:** \_\_\_\_\_  
**Construction:** \_\_\_\_\_  
**Unit #:** \_\_\_\_\_  
**Drawing #:** \_\_\_\_\_

## KEY FEATURES:

- Slim Duct Single-Zone System
- Inverter Technology
- Bluefin Coating Protection
- Wi-Fi Wall Thermostat Included
- Built-in Drain Pump
- Two Return Mode Options

## NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





# AB-TS24LS-230VO + AB-TS24DT-230VI

Indoor Model			AB-TS24DT-230VI
Power supply		V, Ph, Hz	208-230, 1PH, 60HZ
Communication wiring			AWG 16x4
Cooling	Capacity	Btu/h	24,000 (7550~24600)
	Input	w	1870
	Rated current	A	8.1
	EER/EER2	Btu/w	9.5
	SEER/SEER2	Btu/w	20.0
Heating at 47 °F	Capacity	Btu/h	8700~28500
	Input	W	2030
	Rated current	A	8.8
	COP	W/W	3.34
	HSPF4/HSPF2-4		9.5
	HSPF5/HSPF2-5		8.8
Indoor fan motor		Qty	1
		Input	60
		RLA	0.26
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	741/623/558/529/470
ESP (range)		In.wg.	0-.048 In.W.G
Indoor noise level (Hi/Med/Lo)		dB(A)	51/49/46/39/34
Dehumidification		L/H	5.49
Indoor unit	Dimensions (WxDxH)	inch	43 -1/4"×17 -3/4"×7 -7/8"
	Packing (WxDxH)	inch	50 -3/4"×22 -1/4"×9 -5/8"
	Net/Gross weight	lbs	50.7
Drainage water pipe diameter		inch	0.63
Refrigerant piping (Liquid side/Gas side)		inch	1/4" 1/2"
Design pressure		PSIG	609/174
Controller			Wired Controller
Room temperature	Cooling	F	62~89
	Heating	F	32~86

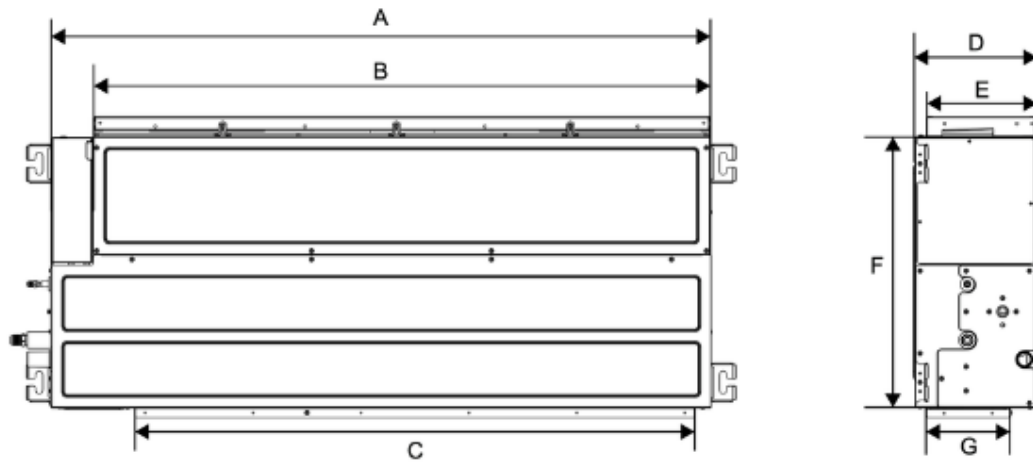


# AB-TS24LS-230VO + AB-TS24DT-230VI

Outdoor Model			AB-TS24LS-230VO
Power supply		V, Ph, Hz	208-230, 1PH, 60HZ
Min. circuit ampacity		A	17
Max. fuse		A	25
Compressor	Model		C-6RZ180H3BAF
	Type		Rotary
	Brand		SANYO
	Capacity	Btu/h	20199
	Input	w	1410
	Rated current (RLA)	A	0.37
	Refrigerant oil	oz	15.22
Outdoor fan motor	Qty		1
	Input	w	85
	RLA	A	0.37
	Speed	r/min	850
Outdoor air flow (Max)		CFM	1412
Outdoor noise level (Max)		dB(A)	60
Throttle type			EEV
Outdoor unit	Dimensions (WxDxH)	inch	36 -1/8"x14 -3/4"x27 -1/2"
	Packing (WxDxH)	inch	37 -3/8"x16 -1/2"x28 -7/8"
	Net/Gross weight	inch	88.2
Refrigerant	Type		R32
	Precharge	ft	25
Additional charge for 1/4 inch liquid pipe		oz	0.11
Additional charge for 3/8 inch liquid pipe		oz	
Refrigerant piping	Liquid side/Gas side	inch	1/4" 1/2"
	Max. pipe length	ft	65
	Max. difference in level	ft	49
Ambient temperature	Cooling	F	5~127
	Heating	F	-4~75



# AB-TS24LS-230VO + AB-TS24DT-230VI



Unit: mm

Model	Indoor unit						
	A	B	C	D	E	F	G
9K-12K	700	600	513	200	189	452	146
18K	920	820	733	200	189	452	146
24K	1100	1030	934	200	189	452	146

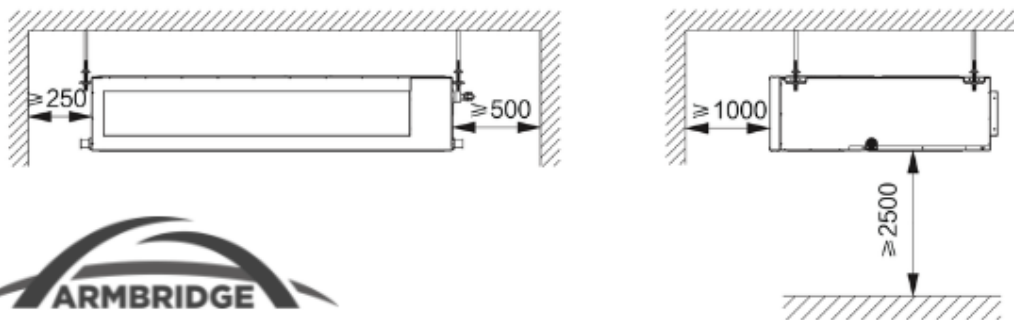
Unit: in

Model	Indoor unit						
	A	B	C	D	E	F	G
9K-12K	27.6	23.6	20.2	7.9	7.4	17.8	5.7
18K	36.2	32.3	28.8	7.9	7.4	17.8	5.7
24K	43.3	40.5	36.8	7.9	7.4	17.8	5.7

## INSTALLATION SPACE

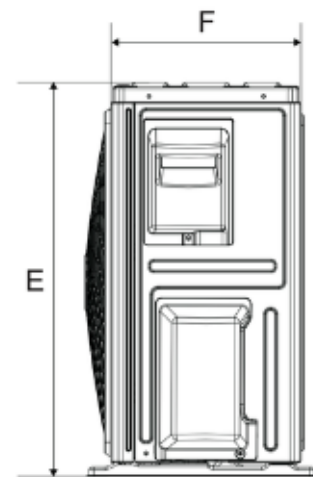
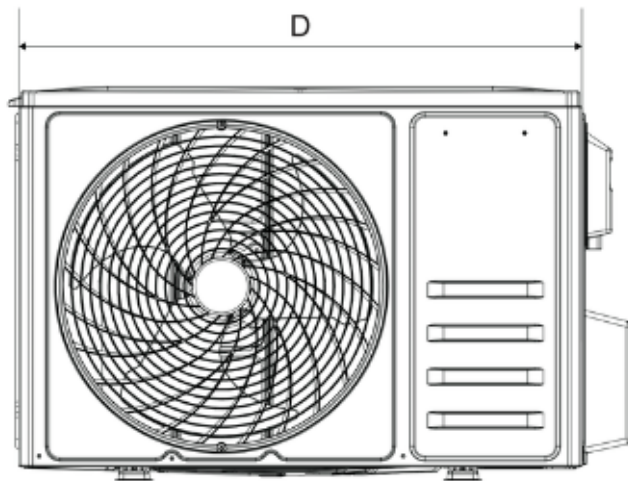
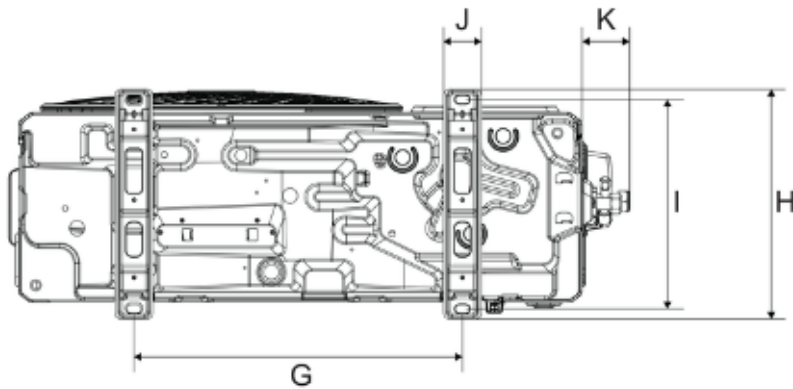
Diagram of installation location and space for indoor unit (Notice: for the best performance of indoor unit, make sure its installation space conforms to the following installation dimensions).

Unit:mm





# AB-TS24LS-230VO + AB-TS24DT-230VI



Unit: mm

Model	Outdoor unit							
	D	E	F	G	H	I	J	K
9K	721	498	240	415	290	263	48	59
12K	742	551	257	434	305	278	48	59
18K	794	602	292	516	349	314	54	58
24K	843	700	330	586	375	348	59	48

Unit: in

Model	Outdoor unit							
	D	E	F	G	H	I	J	K
9K	28.4	19.6	9.44	16.3	11.4	10.4	1.9	2.3
12K	29.2	21.7	10.1	17.1	12.0	10.9	1.9	2.3
18K	31.2	23.7	11.5	20.3	13.7	12.4	2.1	2.3
24K	33.1	27.5	13.0	23.1	14.8	13.7	2.3	1.9