## SUBMITTAL AR18KSFPDWQXCV / AR18KSFPDWQNCV

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Samsung "Quantum", wall mounted evaporator, split system

Job Name	Location			
Purchaser	Engineer			
Submitted to	Reference	Approval	Construction	
Unit Designation	Schedule #			

	Specifications	
System Model Num		AR18KSFPDWQ
Indoor Unit Model N Outdoor Unit Mode		AR18KSFPDWQNCV AR18KSFPDWQXCV
Nominal Capacity*		18,000 / 21,000 5,500 - 20,500
Capacity Range		4,100 - 23,200
SEER / EER	riealing (Blu/II)	17.00 / 11.45
COP		3.44
HSPF		9.00
AHRI Reference Number		9047826
Voltage	ø/V/Hz	1 / 208-230 / 60
		176 - 254
		1.9 / 7.0 / 8.5
, ,	• , ,	2.2 / 7.8 / 8.5
		20
	ity (A)	14.5
	Indoor Unit	41 15/16 X 11 3/4 X 9 1/16
(in.)		34 5/8 X 25 1/8 X 12 3/16
Weight (lbs.)		25.35
		95.9
Condensate Conne		11/16" OD
Indoor Unit (dB)	Low / High	23 / 42
Outdoor Unit (dB)	High	51
0.44	Cooling	14 ~ 115°F(-10 ~ 46°C)
Outdoor	Heating	5 ~ 75°F(-15 ~ 24°C)
Indoor	Cooling	61 ~ 90°F(16 ~ 32°C)
mador	Heating	T ≤ 80°F(27°C)
Indoor & Outdoor	High side (flare)	1/4"
	Low side (flare)	1/2"
		98 / 10
	Separation (it.)	49
Туре		R410A
		Electronic Expansion Valve
		40.6 25 feet
		0.16 oz./ft. over 25 ft.
1		
		BLDC Rotary
	А	10.5
- 71		BLDC motor with cross-flow fan (
	, ,	400 / 480 / 520 / 570
		25
FLA	Amps	0.12
Motor		BLDC motor with axial fan (1)
Output		39
		0.17
Air Volume	CFM (max.)	1,700
Wireless controller	holder	DB61-06087A
Condensate nump	Aspen Mini Orange	ASP-MO-UNIV 110-250
		BD-BLUE-230
		AR-WRP2 1
		DB93-11412A DB93-11405A
External contract control interface module		
(requires sub-PCB and sub-PCB harness)		MIM-B14
Wall bracket (for outdoor unit)		CKN-250
Line sets - insulated and flared, interconnect		25' - ILS2507
and the second second		50' - ILS5007
cables included		
Wind Baffle /	Front	WBF-4M
	Back	WBF-4M WBB-6M-B
Wind Baffle /	Back	WBF-4M WBB-6M-B TL (UL 1995)
Wind Baffle / Guard	Back ET PCB fuses, indoor unit terr	WBF-4M WBB-6M-B TL (UL 1995) minal block thermal fuse, current
Wind Baffle / Guard	Back  ET  PCB fuses, indoor unit terr transformer, over-voltage	WBF-4M WBB-6M-B TL (UL 1995) minal block thermal fuse, current protection, crankcase heating,
Wind Baffle / Guard Certifications	Back  ET  PCB fuses, indoor unit terr transformer, over-voltage	WBF-4M WBB-6M-B TL (UL 1995) minal block thermal fuse, current
	Nominal Capacity* Capacity Range SEER / EER COP HSPF AHRI Reference No Voltage Working Voltage R. Operating Current (Min./Std./Max.) Max. Breaker Min. Circuit Ampac W X H X D (in.) Weight (lbs.) Condensate Connel Indoor Unit (dB) Outdoor Unit (dB) Outdoor Indoor Waximum / Minimu Maximum Vertical S Type Control Method Factory Charge Charged for Additional Refrigera Type RLA Type Air Volume Consumption FLA Motor Output FLA Air Volume Wired controller Su External contract cor	Nominal Capacity*   Cooling / Heating (Btu/h)

Warranty 7 Years compressor, 5 years parts, 90 day limited labor (registration required) Certified in accordance with the AHRI Unitary Small Air-Source Heat Pumps (USHP) Certification Program which is based on the latest edition of AHRI Standard 210/240.

AR-WRP2 includes MWR-WE13U wired controller, sub-PCB (DB93-11412A), and sub-PCB harness (DB93-11405A)

Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice. Refer to www.AHRIdirectory.org for current reference numbers





(actual equipment appearance may vary)

### **General Information**

- Outdoor unit shall provide 208/230V power to indoor unit via 14 AWG X 3 interconnect power cable
- · Electro-static, washable, main filter as standard

- Indoor unit chassis shall be UL94 V0 with a galvanized steel mounting bracket
- The outdoor unit shall be galvanized steel with a baked on powder coated finish for durability

## Heat Exchanger

- The indoor unit heat exchanger shall be mechanically bonded fin to copper tube
- The outdoor unit heat exchanger shall be aluminum, flat fin, micro channel

## Refrigerant System

- The compressor shall be hermetically sealed, inverter controlled, BLDC Rotary
- Refrigerant flow shall be controlled by electronic expansion valve at outdoor unit

- The indoor fan shall be a single, antibacterial cross-flow type
- Three fan speed settings and auto setting
- Automatic (motorized) vertical swing louver (up/down)

# Controls

- Control signal shall be DDC type signal
- Interconnect control wiring shall be 16 AWG X 2 shielded wire between outdoor
- The indoor unit shall ship with a wireless controller and batteries as standard
- · Optional wired control options available

# Convenience

- · Auto restart
- LED status indicator lights on front of the indoor unit to display unit operation and error status
- "Fast Comfort" mode to quickly reach set temperature
- · Auto changeover
- 24 hour, single event timer
- Good sleep mode Quiet mode
- · Drv mode
- · Single event, ON/OFF timer
- Single User Mode to reduce energy consumption during low demand operation
- Air filter cleaning can be done easily without opening the indoor unit
- Beep ON/OFF with included wireless controller

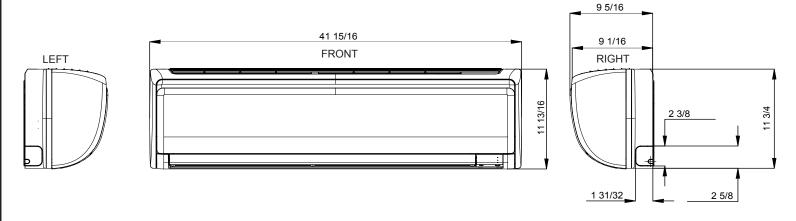


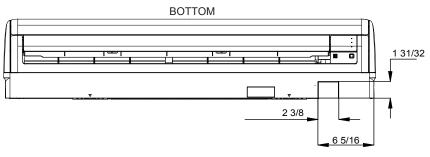


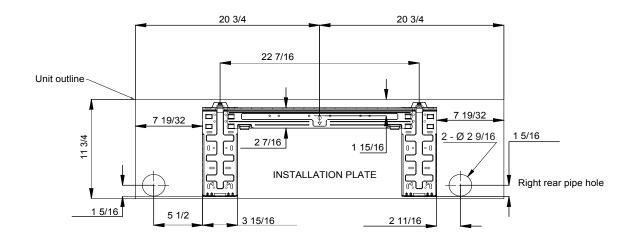
Samsung "Quantum", wall mounted evaporator, split system Indoor unit dimensional drawing

Unit: inches

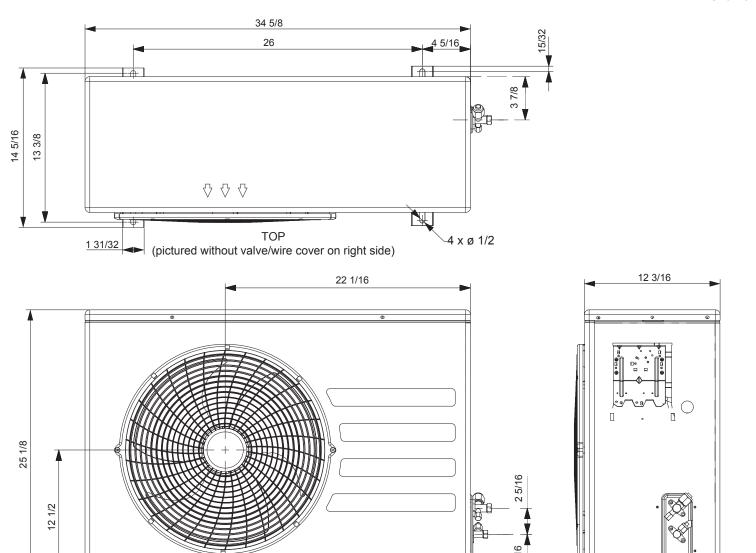












FRONT (pictured without valve/wire cover on right side)

RIGHT (pictured without valve/wire cover)

