

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

Specifications

Performance	Nominal Capacity*	Cooling (Btu/h)	33,000
		Heating (Btu/h)	34,000
	Capacity Range	Cooling (Btu/h)	9,000 - 38,000
		Heating (Btu/h)	9,000 - 45,000
	SEER / EER		18.0 / 10.8
	HSPF		9.0
Condensate (pints/h)		8.45	
Power	Voltage (øV/Hz)		1 / 208-230 / 60
	Working Voltage Range (VAC)		176 - 254 (max. 3% deviation from each)
	Rated Current (Low/Std./Max.)	Cooling (A)	3.6 / 14.2 / 18.0
		Heating (A)	3.3 / 15.0 / 21.0
	Max. Breaker (A)		30
	Min. Circuit Ampacity (A)		19.5
Dimensions	W X H X D (in.)	Indoor Unit	50 3/8 X 13 9/16 X 10
		Outdoor Unit	36 11/16 X 45 7/8 X 14 3/4
	Weight (lbs.)	Indoor Unit	40.12
		Outdoor Unit	191.80
	Condensate Connection		1 1/16" OD
	Heat Exchanger	Indoor & Outdoor Unit	Type
FPI			18
Pipe Diameter			1/4 inch
Indoor Unit		2 row / 18 step	
		Outdoor Unit	2 row / 52 step
Sound Pressure Level		Indoor Unit (dB)	(L / H)
	Outdoor Unit (dB)	High	59
Operating Temperatures °F(°C)	Outdoor	Cooling	14 ~ 115°F(-10 ~ 46°C)
		Heating	0 ~ 115°F(-18 ~ 46°C) w/ wind baffle
	Indoor	Cooling	5 ~ 75°F(-15 ~ 24°C)
		Heating	61 ~ 90°F(16 ~ 32°C) T ≤ 80°F(27°C)
Pipe Connections	Indoor & Outdoor	High side (flare)	1/4"
		Low side (flare)	5/8"
	Maximum / Minimum Line Set Length (ft.)		164 / 10
	Maximum Vertical Separation (ft.)		98
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
	Factory Charge (oz.)		88.1
	Charged for		25 ft.
	Additional Refrigerant		0.43 oz./ft. over 25 ft.
Compressor	Manufacturer		Samsung
	Type		DC, Inverter Driven, Rotary
	RLA (A)		13.8
	Operating Frequency (Hz)	Cooling (low/std./high)	15 / 55 / 63
		Heating (low/std./high)	15 / 50 / 69
Evaporator Fan	Type		BLDC motor with cross-flow fan (1)
	Air Volume (L / M / H)		580 / 750 / 920
	Consumption	W	58
	Operating Current (A)		0.22
Condenser Fan	Motor		BLDC motor with axial fan (2)
	Output	W	248
	FLA	Amps	1.04
Accessories	Condensate pump		ASP-MO-UNIV 110-250
	Wired Controller (includes sub-PCB and MWR-WE13U controller with scheduling)		AQN-WRP2
	Wall bracket (for outdoor unit)		CKN-250
	Line sets - insulated and flared, interconnect cables included		25' - ILS2509
			50' - ILS5009
	Wind Baffle	Front	WBF-4M (2 required)
Back		WBB-9M	
Safety	Certifications		ETL (UL 1995)
	Devices	PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing	
Warranty	10 Year compressor, 10 Year Parts, 1 year limited labor (conditions apply)**		



- Low ambient control built in
- Outdoor unit shall provide 208/230V power to indoor unit via 14 AWG X 3 interconnect power cable
- Electro-static, washable, HD (high density) main filter as standard

Construction

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 heat exchanger shall be mechanically bonded fin to copper tube

Refrigerant System

The compressor shall be hermetically sealed, inverter controlled, Twin BLDC Rotary

Refrigerant flow shall be controlled by EEV (electronic expansion valve) at outdoor unit

Indoor Fan

The indoor fan shall be a single, antibacterial cross-flow type

Three fan speed settings and auto setting

Controls

Control signal shall be DDC type signal

Interconnect control wiring shall be 16 AWG X 2 shielded wire between outdoor and indoor unit

Unit shall be operated via wireless controller (included)

Optional wired control available

Convenience

- Auto restart
- Turbo mode (during cooling operation only)
- Auto changeover
- 24 hour timer
- Good'sleep mode
- Quiet mode
- Dry mode

*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.

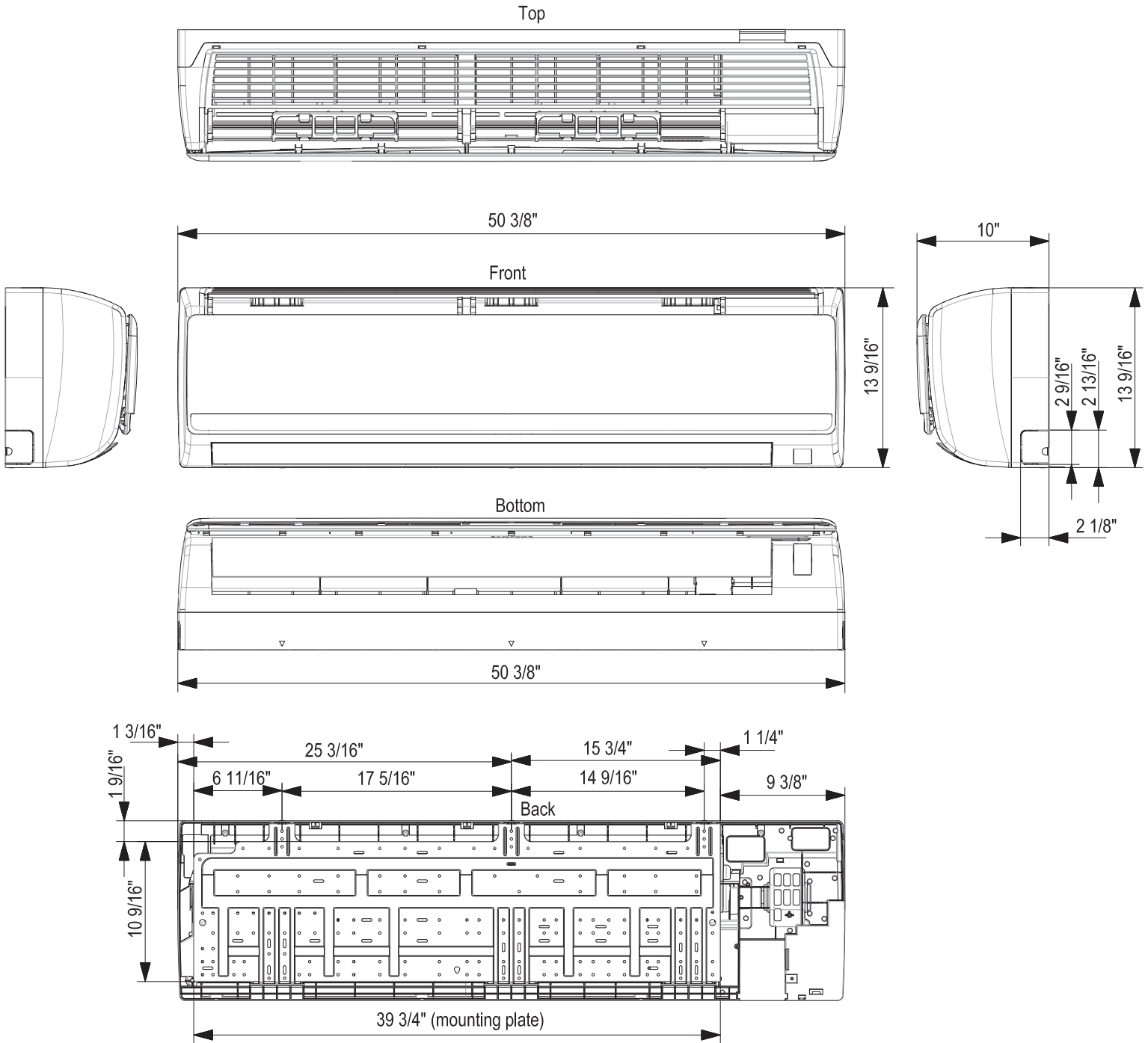
**If registered within 60 days of installation and applies to units manufactured after 2015. Standard warranty is 7 year compressor, 5 year parts. Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.

Refer to www.AHRIdirectory.org for current reference numbers.



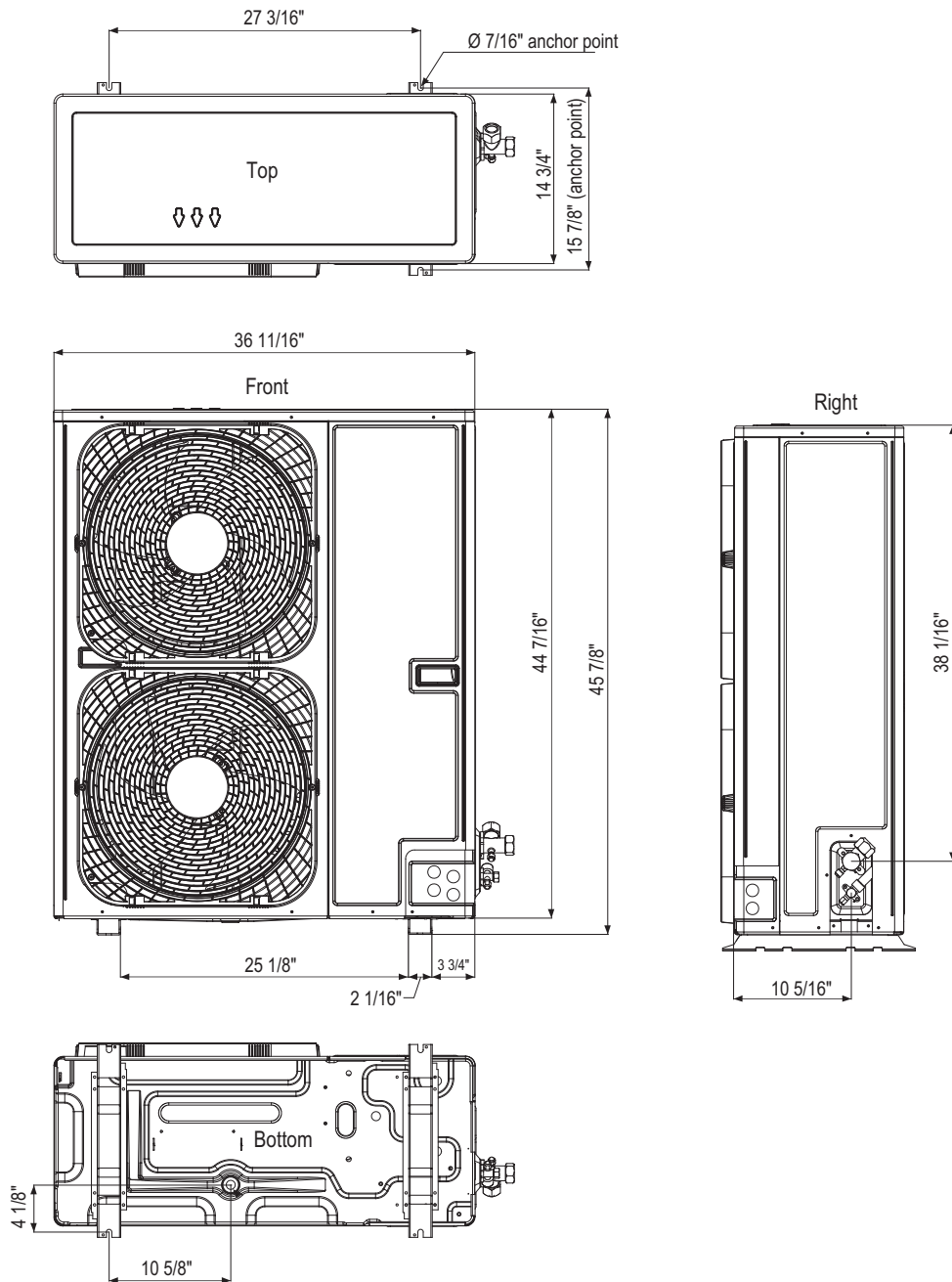
SUBMITTAL AQN36VFUAGM / AQX36VFUAGM

AQN36VFUAGM Max, wall mounted evaporator, single zone split system



SUBMITTAL AQN36VFUAGM / AQX36VFUAGM

AQN36VFUAGM Max, wall mounted evaporator, single zone split system



For reference only. Always refer to installation manual for complete details.

