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SUBMITTAL AC048KN4DCH/AA Samsung 360 Cassette, Single Zone, Split System

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Job Name				Location			
Purchaser				Engineer			
Submitted	to			Reference	Approval	Construction	
				Schedule #	, approval		
Unit Desig							
Model	Indoor Unit Model N Outdoor Unit Model		AC048KN4DCH/AA AC048JXADCH/AA	« O «	• 0 •		
	Nominal Capacity	Cooling / Heating (Btu/h)	48,000 / 53,000	and the second sec			
Performance	Capacity Range	Cooling (Btu/h)	18,600 - 51,000				
	SEER / EER	Heating (Btu/h)	15,300 - 55,000 19.00 / 8.90				
	COP (nominal heating)		3.02	Shown with PC4NUNMAN (open type panel)	Shown with PC4NUDMAN (ceiling type panel)	ROAMER	
	HSPF		9.5				
	AHRI Certification Number Condensate (pints/hour)		8860527 14.8	General Information			
	Voltage ø / V / Hz		1 / 208-230 / 60	The indoor unit shall be a round of	ceiling cassette with 360°, eve	n air distribution	
	Working Voltage Range (VAC)		176 - 254 (max. 3% deviation from each)	The outdoor unit shall supply pov	ver to indoor unit via 14 AWG	X 3 power wire	
Power		Cooling (A)	6.40 / 23.80 / 24.00	Auto-restart after power loss			
	(min. / std. / max.) Max. Breaker	Heating (A) Amps	5.00 / 23.50 / 28.00 35	The outdoor unit shall have a snow accumulation prevention option setting to prevent snow drifting			
	Min. Circuit Ampacit		22.56	against an idle outdoor unit.	ow accumulation prevention of	stion setting to prevent show drifting	
					wohle EEDROM that atoree as		
Dimensions	(inches)	Outdoor Unit	37 X 48 X 13	name, and other data	DVable EEPROIVI Inal Slores S	ystem programming information, unit	
Dimensions	Weight	Indoor Unit	52.91	All indoor unit addressing and option settings shall be done digitally; the indoor unit does not contain			
	(lbs.)	Outdoor Unit	194	rotary dials or setting switches.	uon settings shall be done dig	nany, the motor unit does not contain	
Sound Pressure Level	. ,	L / M / H Cooling / Heating (high)	35 / 40 / 45 53 / 55	Electro statio weekship placted	filter op standard (included wi	th fancia nanal)	
		cooling / neating (nigh)	23 ≤ T ≤ 115	Electro-static, washable, pleated	inter as standard (included wi	in fascia paner).	
Operating	Outdoor	Cooling	0 ≤ T ≤ 115 W/Baffle	Built in condensate pump and characteristics	eck valve with maximum 29" li	ift	
Temperatures		Heating	-4 ≤ T ≤ 76	Knock-out for outside air capabili	ty (with booster fan connectior	n)	
(⁰ F)	Indoor	Cooling	61 ≤ T ≤ 90	- Pipe connections at the outdoor	unit shall be made inside the	unit chassis . Pofrigorant pipes can	
		Heating	T ≤ 80	 Pipe connections at the outdoor unit shall be made inside the unit chassis. Refrigerant pipes can exit through the front, side, rear, or bottom sides of the outdoor unit. 			
	Indoor & Outdoor	High side (flare) Low side (flare)	3/8" 5/8"	Fascia panel shall have LED indi	actor lights and an infrared re-	a di var	
Pipe Connections	Maximum (ft.)		246				
Connections	Maximum Vertical S	1 ()	98			I airflow without restriction. Air direction air outlet causing discharge air to change	
	Condensate Connection		1" OD, 3/4" ID	direction angle.	ng a low pressure area hear a	in outlet causing discharge an to change	
D (1)	Type Factory Charge	oz.	R410A 98.77	Fixed or auto-swing air direction	shall be possible with wireless	, touch, or premium wired controller	
Refrigerant	Charged for		25 feet	(10° ~ 60° angle)		, , .	
	Additional Refrigerant		0.355 oz./ft. over 25 feet	Independent air distribution contr	ol shall be possible with wirele	ess or premium wired controller (three	
Compressor	Manufacturer		Samsung	directions, 10° ~ 60° angle)			
Compressor	Type RLA Amps		Inverter Driven, Twin BLDC Rotary 17.0	The outdoor unit shall have a nig	ht time quiet mode option to re	educe operating sound during the	
	Туре		BLDC (1) With Turbo Type Fan (1)	night (automatic or manual activa	ation with dry contact signal).		
Evaporator		CFM (L/M/H)	822 / 1,024 / 1,257	Construction			
Fan	Output	Watts	97 X 1	The outdoor unit shall be galvanize	ed steel with a baked on powe	der coated finish for durability	
Oradorea	FLA Amps		0.35	The indoor unit shall be have a galvanized steel frame with HIPS chassis and fascia panel certified to			
Condenser Fan	Motor FLA / Watts / CFM (max.)	BLDC With Axial Type Fan (2) 0.48 A X 2 / 125 W X 2 / 3,040 CFM	UL94 V0.			
<u> </u>	Ceiling Type	LXWXH	39 3/8 X 39 3/8 X 2 5/8	Heat Exchanger			
Fascia Panel	(Square)	Weight	7.94	The indoor unit heat exchanger sh	all be mechanically bonded al	uminum fin to copper tube	
1 43014 1 41101	Open Type	Diameter X H	41 5/16 X 3 3/8	The outdoor unit heat exchanger s	shall be aluminum, flat fin, mic	ro channel	
[(Round)	Weight	5.95	Controls			
		Ceiling Type (square, white) Ceiling Type (square, black)	PC4NUDMAN PC4NBDMAN	Control signal shall be a DDC type	e signal		
	Fascia Panel	Open Type (round, white)	PC4NUNMAN	The indoor unit shall have a 12VD	C output that is interlocked wi	th fan to activate external devices (fan	
		Open Type (round, black)	PC4NBNMAN	ON = 12VDC ON, fan OFF = 12VI			
	Wired Controller	Simplified Simplified Touch Controller	MWR-SH00N MWR-SH10N	Interconnect control wire between	outdoor indoor unit shall be 1	6AWG X 2 shielded	
		Premium w/scheduling	MWR-WE11N	Mined an using lange and the language in			
	Wi-Fi Adapter		MIM-H03UN	Wired or wireless controls must be	e purchased separately		
Accessories	External Temperature Sensor Wireless Controller		MRW-TA AR-KH00U	Connection to optional wired contr	ollers shall be 2 X 16AWG shi	elded wire	
	External Contact Control		MIM-B14	Controls shall integrate with a BMS	S system		
	Central Control Interface Module for Connection to		MIM-N01	No additional interface modulos/or	danters are required when con	nnecting to Samsung NASA DVM S	
	DVM Plus Controls (non-NASA) Wall Bracket (for outdoor unit)		CKN-250	central control options.	and required when the	meeting to canbung thron DVIII o	
	Wind Baffles		WBF-1 (requires 2)				
	Back		WBB-2		Refrigerant System The compressor shall be hermetically sealed, inverter controlled, twin BLDC Rotary		
	Line Sets - insulated and flared, interconnect cables included		25' - ILS2510 50' - ILS5010	Refrigerant flow shall be controlled	d by an electronic expansion y	alve at outdoor unit	
			L & ETLc	-			
Safety		PCB fuses, indoor unit te	rminal block thermal fuse, current	Soft-start to reduce current deman	a auring compressor start		
	Devices	transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing		Warranty 10 Years compressor, 10 years pa	arts. 1 year limited labor when	registered	
* Nominal cooling coor	acities are based on: Indoo		. Outdoor temperature: 95°F DB, 75°F WB	Samsung HVAC maintains a policy of ongo			
			B. Outdoor temperature: 47 F DB, 43 F V		C.com	QS-CAC-022017A CVISTED US	

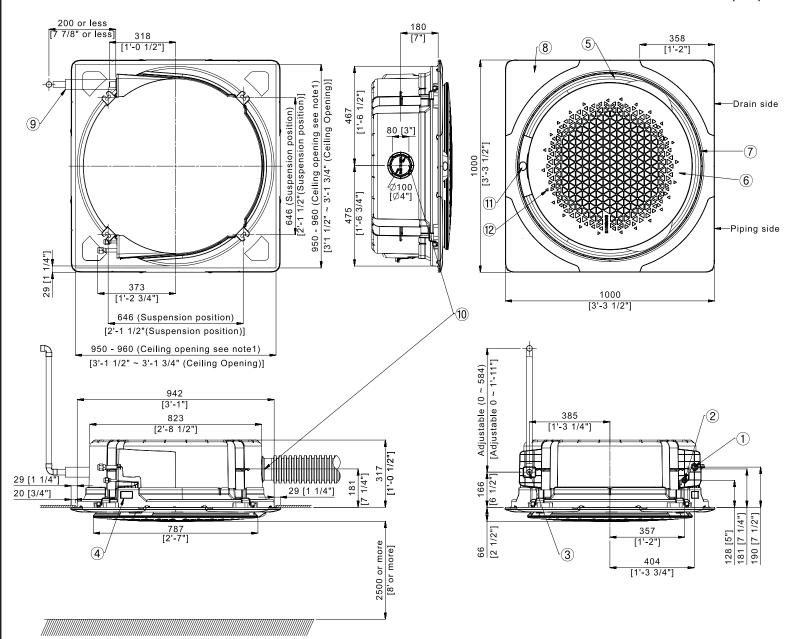
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SUBMITTAL AC048KN4DCH/AA

Samsung 360 Cassette, Single Zone, Split System AC048KN4DCH/AA Dimensional Drawing With Ceiling Type Fascia Panel

Units: mm [inches]

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No.	Description	
1	Refrigerant Gas Pipe	
2	Refrigerant Liquid Pipe	
3	Condensate drain	
4	Power and wiring entry	
5	Air discharge opening	
6	Air suction grille	

No.	Description	
7	Suction rim for air direction booster fan	
8	Decoration fascia panel	
9	Drain hose	
10	Fresh air knockout hole	
11	Status display	
12	Infrared receiver	

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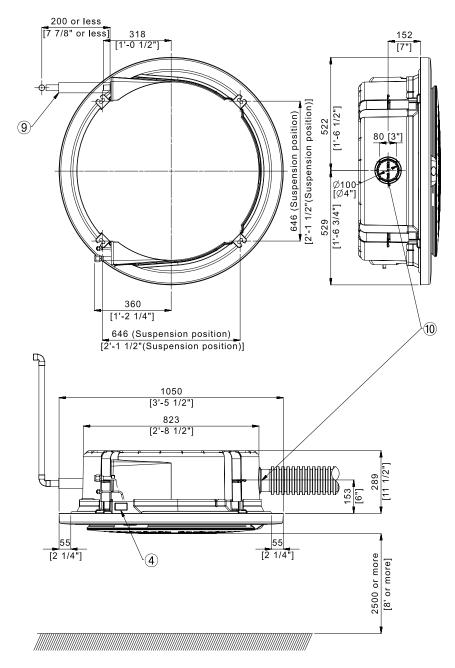
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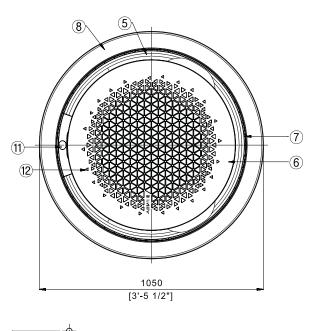
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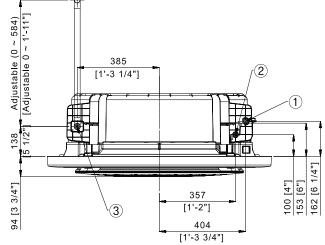
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Samsung 360 Cassette, Single Zone, Split System AC048KN4DCH/AA Dimensional Drawing With Open Type Fascia Panel

Units: mm [inches]







No.	Description	
1	Refrigerant Gas Pipe	
2	Refrigerant Liquid Pipe	
3	Condensate drain	
4	Power and wiring entry	
5	Air discharge opening	
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No.	Description	
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