SUBMITTAL AC048KN4DCH/AA

Samsung 360 Cassette, Single Zone, Split System

Page 1 of 5

Job Name	;			Location		
Purchase	r			Engineer		
Submitted				Reference	Approval	Construction
Unit Desig				Schedule #	, approval	Concuración
0		Specifications				
	Indoor Unit Model I		AC048KN4DCH/AA			SAMSUNG
Model	Outdoor Unit Mode	l Number	AC048JXADCH/AA			
Performance	Nominal Capacity	Cooling / Heating (Btu/h)	48,000 / 53,000	Constitutibilitation.		
	Capacity Range	Cooling (Btu/h)	18,600 - 51,000			
	SEER / EER	Heating (Btu/h)	15,300 - 55,000 19.00 / 8.90	***************************************		
	COP (nominal heat	ting)	3.02	Shown with PC4NUNMUN (open type panel)	Shown with PC4NUDMUN (ceiling type panel)	
	HSPF		9.5	(open type parter)	(coming type parter)	U Block spergy
	AHRI Certification		8860527	General Information		
	Condensate (pints/	,	14.8	• The indoor unit shall be a round	ceiling cassette with 360°, ev	en air distribution
	Voltage	ø / V / Hz	1 / 208-230 / 60	The outdoor unit shall supply po	ower to indoor unit via 14 AWG	X 3 power wire
Power	Working Voltage Range (VAC) Operating Current Cooling (A)		176 - 254 (max. 3% deviation from each) 6.40 / 23.80 / 24.00			
	(min. / std. / max.) Heating (A)		5.00 / 23.50 / 28.00	Auto-restart after power loss		
	Max. Breaker	Amps	35	· The outdoor unit shall have a snow accumulation prevention option setting to prevent snow drifting		
	Min. Circuit Ampac	ity (A)	22.56	against an idle outdoor unit.		
	WXHXD	Indoor Unit	37 1/4 X 14 3/8 X 37 1/4	• The indoor unit shall have a rem	novable EEPROM that stores	system programming information, unit
Dimensions	(in.)	Outdoor Unit	37 X 48 X 13	name, and other data		-)
	Weight (Ibs.)	Indoor Unit Outdoor Unit	52.91	. All indoor unit addressing and o	ntion settings shall be done di	gitally; the indoor unit does not contain
	、 ,		194	rotary dials or setting switches.	pilon settings shan be done di	gitally, the industrum does not contain
Sound Pressure Level	e Indoor Unit dB(A) Outdoor Unit dB(A)	L / M / H Cooling / Heating (high)	35 / 40 / 45 53 / 55		d filten en etematend (included u	
Level				• Electro-static, washable, pleated		. ,
Operating	Outdoor	Cooling	23 ~ 115°F (-5 ~ 46°C) 0 ~ 115°F (-18 ~ 46°C) W/Baffle	Built in condensate pump with maximum 29" lift from the bottom of the unit, check valve, an	m of the unit, check valve, and float	
Temperatures	Guidool	Heating	-4 ~ 76°F (-20 ~ 24°C)	switch that disables indoor unit during overflow detection		
°F (°C)	Indoor	Cooling	61 ~ 90°F (16 ~ 32°C)	 Knock-out for outside air capabi 	ility (with booster fan connectio	on)
	IIIdool	Heating	T ≤ 80°F (27°C)			e unit chassis. Refrigerant pipes can
	Indoor & Outdoor	High side (flare)	3/8"	exit through the front, side, rear	r, or bollom sides of the outdo	or unit.
Pipe		Low side (flare)	5/8"	Fascia panel shall have LED inc	dicator lights and an infrared re	eceiver
Connections	Maximum (ft.) Maximum Vertical 3	Senaration (ft.)	246 98	. The indoor unit shall not have a	ir louvers or blades allowing fu	III airflow without restriction. Air directio
	Condensate Conne	1 ()	1 1/4" OD, 1" ID			air outlet causing discharge air to chang
	Туре		R410A	direction angle.		
	Factory Charge	OZ.	98.77	 Fixed or auto-swing air direction 	shall be possible with wireles	s, touch, or premium wired controller
Refrigerant	Charged for		25 ft	(10° ~ 60° angle)	·	
	Additional Refrigera	ant	0.355 oz./ft. over 25 ft	· Independent air distribution com	trol shall be possible with wire	less or premium wired controller (three
_	Manufacturer		Samsung	directions, 10° ~ 60° angle)		
Compressor	Туре		Inverter Driven, Twin BLDC Rotary	. The outdoor unit shall have a ni	abt time quiet mode option to	reduce operating sound during the
	RLA	Amps	17.0	night (automatic or manual activ		sease operating sound during the
Evaporator	Type Air Volume	CFM (L/M/H)	BLDC (1) With Turbo Type Fan (1)	Construction		
Fan	Output	Watts	822 / 1,024 / 1,257 97 X 1	The outdoor unit shall be galvani	zed steel with a baked on pow	vder coated finish for durability
	FLA	Amps	0.35	The indeer unit shall be have a g	alvanized steel from with HIE	S changing and family hand cortified to
Condenser	Motor	·	BLDC With Axial Type Fan (2)	UL94 V0.		PS chassis and fascia panel certified to
Fan	FLA / Watts / CFM	(max.)	0.48 A X 2 / 125 W X 2 / 3,040 CFM			
	Ceiling Type	LXWXH	39 3/8 X 39 3/8 X 2 5/8	Heat Exchanger The indoor unit heat exchanger s	shall be mechanically bonded a	aluminum fin to copper tube
Fascia Panel	(Square)	Weight	7.94	The outdoor unit heat exchanger		
	Open Type	Diameter X H	41 5/16 X 3 3/8	Ŭ	·····, ·····, ·····	
	(Round)	Weight	5.95	Controls Control signal shall be a DDC typ	be signal	
Safety	Certifications ETL (UL 1995)			• • • •		vith fan to activate external devices (fan
	Devices PCB fuses, indoor unit terminal block thermal fuse, current transformer, over-voltage protection, crankcase heating, temperature limit protection logic, compressor overload sensing		ON = 12VDC ON, fan OFF = 12\	/DC OFF, pigtail adapter plug	required)	
			P) Certification Program which is based on	Interconnect control wire between	n outdoor indoor unit shall be	16AWG X 2 shielded
the latest edition of A	HRI Standard 210/240.			Wired or wireless controls must b	pe purchased separately	
	intains a policy of ongoing directory.org for current re	development, specifications are su ference numbers.	ibject to change Without notice.	Connection to optional wired con	trollers shall be 2 X 16AWG sl	nielded wire
				No additional interface modules/a central control options.	adapters are required when co	nnecting to Samsung NASA DVM S

les/adapters are required when connecting central control options.

Refrigerant System

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

Soft-start to reduce current demand during compressor start

Warranty 10 Years compressor, 10 years parts, 1 year limited labor when registered



www.SamsungHVAC.com

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

Required Accessories

PC4NUDMUN
PC4NBDMUN
PC4NUNMUN
PC4NBNMUN

*A fascia panel is required for cassette unit operation and is sold separately.

Optional Accessories

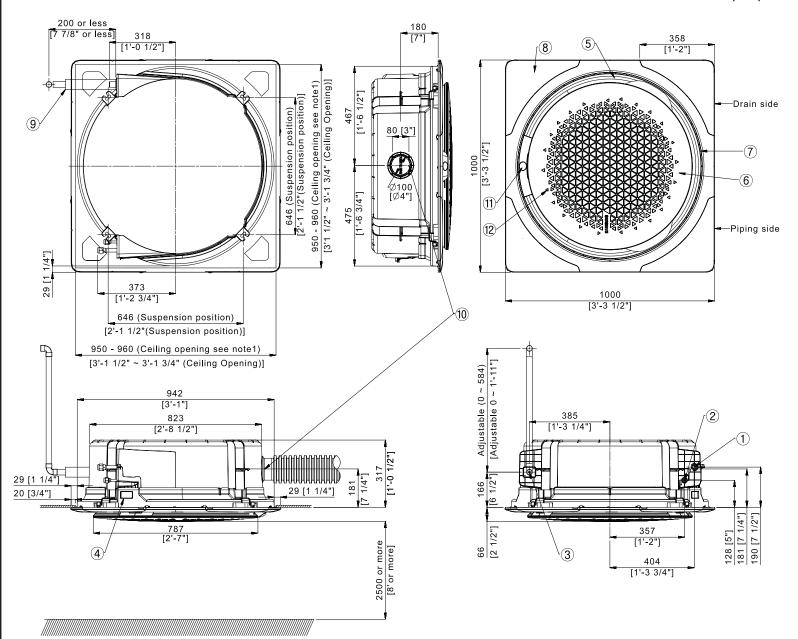
	Simplified	MWR-SH00N	
Wired Controller	Simplified Touch Controller	MWR-SH11UN	
	Premium w/scheduling	MWR-WE13UN	
Wi-Fi Adapter		MIM-H03UN	
External Temperature Sen	sor	MRW-TA	
Wireless Controller		AR-KH03U	
External Contact Control		MIM-B14	
Central Control Interface M DVM Plus Controls (non-N		MIM-N01	
Wall Bracket (for outdoor u	init)	CKN-250	
Wind Baffles	Front	WBF-1M2	
Wind Dames	Back	WBB-2M	
		25' - ILS-2510	
Line Sets - insulated and flared, interconnect cables included		50' - ILS-5010	
Thermostat Adaptor		TADPT2	
Motion Detection Sensor		MCR-SME	

SUBMITTAL AC048KN4DCH/AA

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

Units: mm [inches]

Page 3 of 5



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	

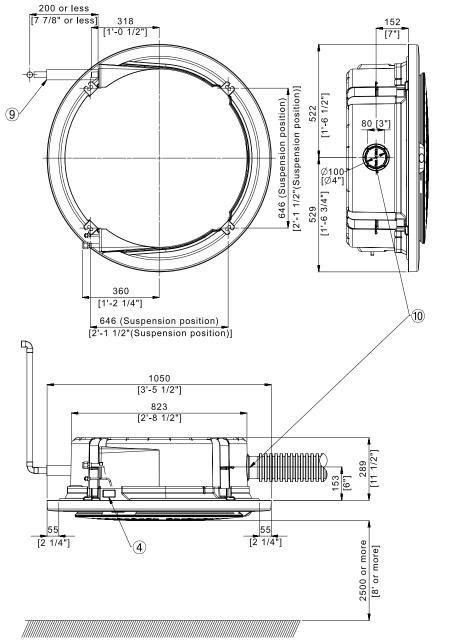
888-699-6067 www.SamsungHVAC.com

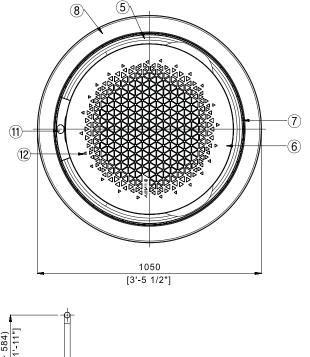
SUBMITTAL AC048KN4DCH/AA

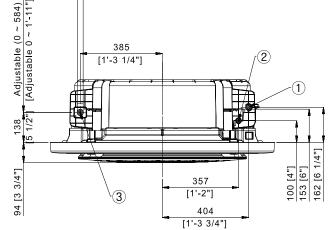
Page 4 of 5

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	
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	

888-699-6067 www.SamsungHVAC.com

