SAMSUNG

SUBMITTAL AM009KN4DCH/AA
Samsung DVM S Series, 360 Cassette

Job Name _____ Location _____

Purchaser _____ Engineer _____

Submitted to _____ Reference ☐ Approval ☐ Construction ☐

Unit Designation _____ Schedule # _____

Shown with PC4NUNMUN (open type panel)

Shown with PC4NUDMUN (ceiling type panel)

Specifications

Performance	Nominal Capacity	Cooling (Btu/h)	9,000
		Heating (Btu/h)	10,000
	Condensate (pints/hour)		6.80
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Nominal Running Current (A)		0.18
	MCA		0.4
	MOP		15
Dimensions	W X H X D	Inches	37 1/4 X 11 1/16 X 37 1/4
	Weight	lbs.	46.3
Sound Level	H / M / L	dB(a)	33 / 31 / 29
Pipe Connections	Liquid (flare)	Inches	1/4
	Suction (flare)	Inches	1/2
	Condensate Connection		1 1/4" OD, 1" ID
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
Evaporator Fan	Type		BLDC (1) With Turbo Type Fan (1)
	Air Volume	CFM (H/M/L)	565 / 530 / 495
	FLA	Amps	0.33
Fascia Panel	Ceiling Type (Square)	L X W X H (inches)	39 3/8 X 39 3/8 X 2 5/8
		Weight (lbs.)	7.94
	Open Type (Round)	Diameter X H (inches)	41 15/16 X 3 3/8
		Weight (lbs.)	5.95
Accessories	Fascia Panel	Ceiling Type (square, white)	☐ PC4NUDMUN
		Ceiling Type (square, black)	☐ PC4NBDMUN
		Open Type (round, white)	☐ PC4NUNMUN
		Open Type (round, black)	☐ PC4NBNMUN
	External Temperature Sensor		☐ MRW-TA
	Wireless Controller		☐ AR-KH03U
	External Contact Control		☐ MIM-B14
	CN83 Pigtail (for 12VDC VENT output)		☐ DB39-01263A
Safety	Certifications		ETL (UL 1995)

* Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.
* Nominal heating capacities are based on: Indoor temperature: 70 F DB, 60 F WB. Outdoor temperature: 47 F DB, 43 F WB.

General Information

- The indoor unit shall be compatible with Samsung DVM S and DVM Eco systems (AM****X*****AA).
- The indoor unit shall be a round ceiling cassette with 360°, even air distribution
- Auto-restart after power loss
- The indoor unit shall have a removable EEPROM that stores system programming information, unit name, and other data
- All indoor unit addressing and option settings shall be done digitally; the indoor unit does not contain rotary dials or setting switches.
- Electro-static, washable, pleated filter as standard (included with fascia panel).
- Built in condensate pump with maximum 29" lift from the bottom of the unit, check valve, and float switch that disables indoor unit during overflow detection
- Knock-out for outside air capability (with booster fan connection)
- Fascia panel shall have LED indicator lights and an infrared receiver
- The indoor unit shall have two (2) fascia panel types:
  1. Ceiling Type for installation applications where a ceiling textile is present (ex. tile ceiling, gypsum). The Ceiling Type fascia panel shall be square in shape.
  2. Open Type for installation applications where a ceiling textile is not present (ex. open ceiling). The Open Type fascia panel shall be circular in shape.
- The indoor unit shall not have air louvers or blades allowing full airflow without restriction. Air direction control shall be achieved by creating a low pressure area near air outlet causing discharge air to change direction angle.
- Fixed or auto-swing air direction shall be possible with wireless, touch, or premium wired controller (10° ~ 60° angle)
- Independent air distribution control shall be possible with wireless or premium wired controller (three directions, 10° ~ 60° angle)

Construction

The indoor unit shall be have a galvanized steel frame with HIPS chassis and fascia panel certified to UL94 V0.

Heat Exchanger

The indoor unit heat exchanger shall be mechanically bonded aluminum fin to copper tube

Controls

Control signal shall be a DDC type signal

The unit shall integrate with the Samsung NASA Controls Network Solution

Controls shall integrate with a BMS system

Control wiring shall be 2 X 16 AWG shielded wire

The indoor unit shall have a 12VDC output that is interlocked with fan to activate external devices (fan ON = 12VDC ON, fan OFF = 12VDC OFF, pigtail adapter plug required)

Wired or wireless controls must be purchased separately

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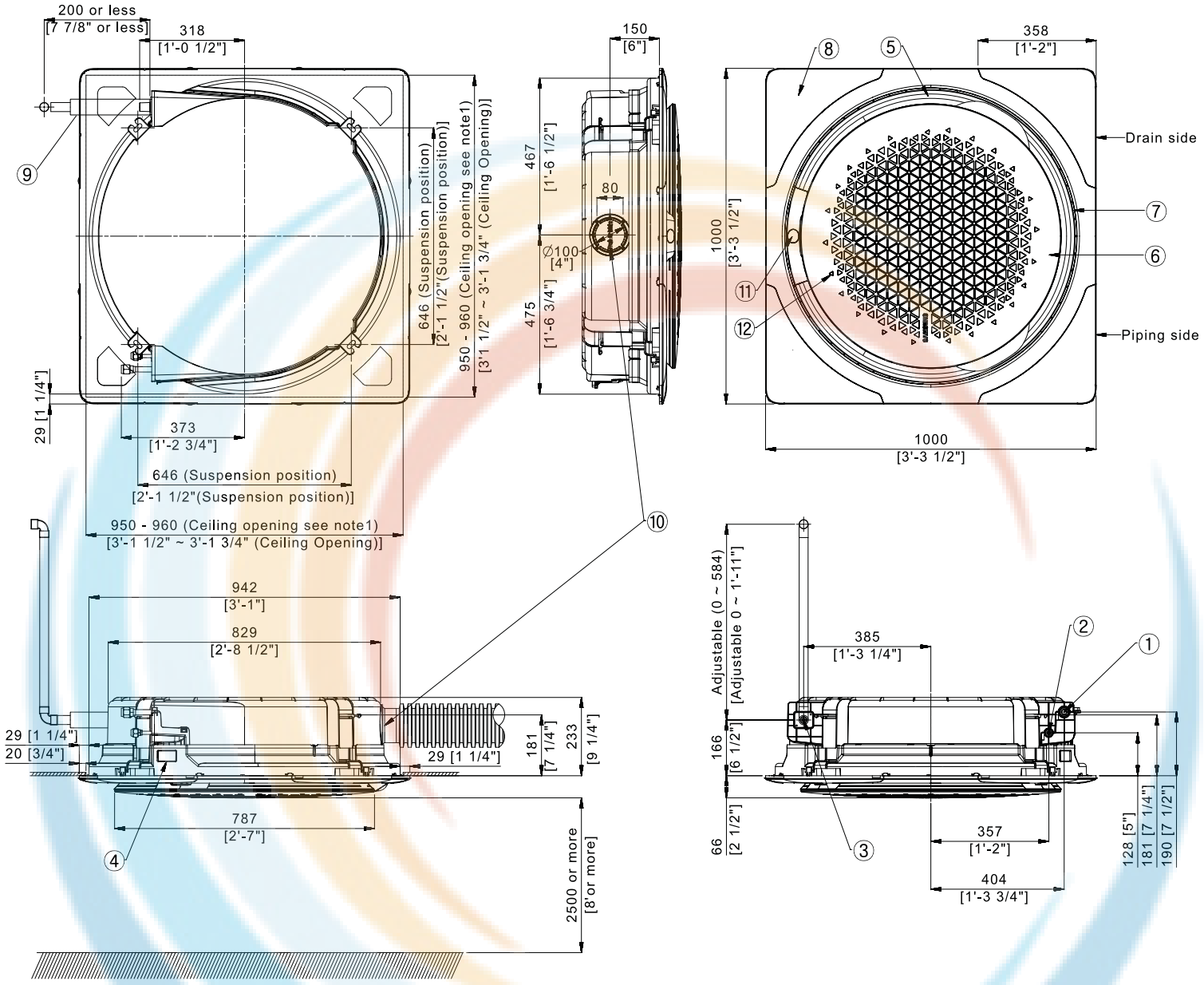
SUBMITTAL AM009KN4DCH/AA

Samsung DVM S Series, 360 Cassette

Dimensional Drawing With Ceiling 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

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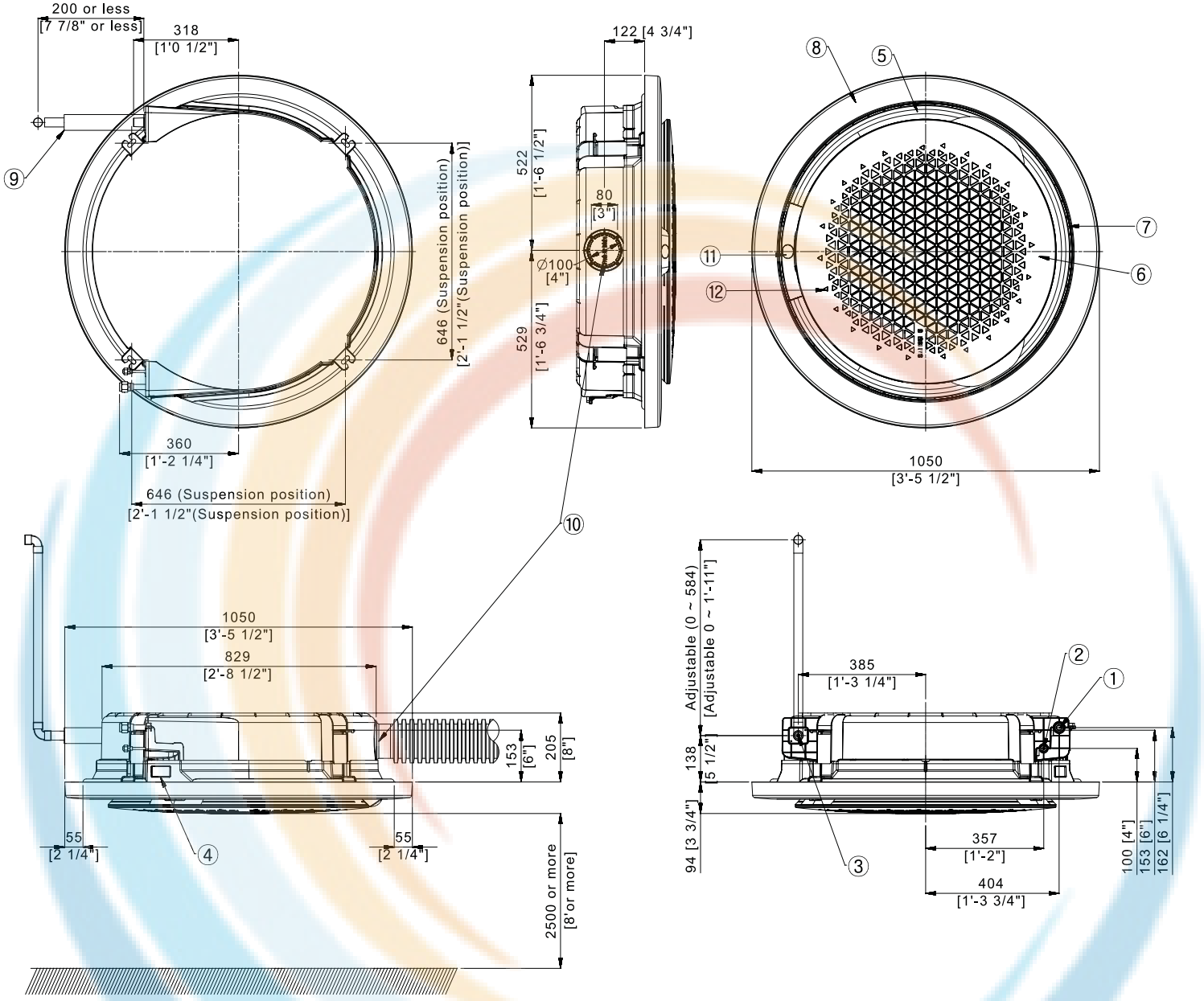
SUBMITTAL AM009KN4DCH/AA

Samsung DVM S Series, 360 Cassette

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

SAMSUNG

SUBMITTAL AM012KN4DCH/AA
Samsung DVM S Series, 360 Cassette

Job Name _____ Location _____

Purchaser _____ Engineer _____

Submitted to _____ Reference ☐ Approval ☐ Construction ☐

Unit Designation _____ Schedule # _____

Shown with PC4NUNMUN (open type panel)

Shown with PC4NUDMUN (ceiling type panel)

Specifications

Performance	Nominal Capacity	Cooling (Btu/h)	12,000
		Heating (Btu/h)	13,500
	Condensate (pints/hour)		7.20
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Nominal Running Current (A)		0.18
	MCA		0.4
	MOP		15
Dimensions	W X H X D	Inches	37 1/4 X 11 1/16 X 37 1/4
	Weight	lbs.	46.3
Sound Level	H / M / L	dB(a)	33 / 31 / 29
Pipe Connections	Liquid (flare)	Inches	1/4
	Suction (flare)	Inches	1/2
	Condensate Connection		1 1/4" OD, 1" ID
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
Evaporator Fan	Type		BLDC (1) With Turbo Type Fan (1)
	Air Volume	CFM (H/M/L)	565 / 530 / 495
	FLA	Amps	0.33
Fascia Panel	Ceiling Type (Square)	L X W X H (inches)	39 3/8 X 39 3/8 X 2 5/8
		Weight (lbs.)	7.94
	Open Type (Round)	Diameter X H (inches)	41 15/16 X 3 3/8
		Weight (lbs.)	5.95
Accessories	Fascia Panel	Ceiling Type (square, white)	☐ PC4NUDMUN
		Ceiling Type (square, black)	☐ PC4NBDMUN
		Open Type (round, white)	☐ PC4NUNMUN
		Open Type (round, black)	☐ PC4NBNMUN
	External Temperature Sensor		☐ MRW-TA
	Wireless Controller		☐ AR-KH03U
	External Contact Control		☐ MIM-B14
	CN83 Pigtail (for 12VDC VENT output)		☐ DB39-01263A
Safety	Certifications		ETL (UL 1995)

* Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.
* Nominal heating capacities are based on: Indoor temperature: 70 F DB, 60 F WB. Outdoor temperature: 47 F DB, 43 F WB.

General Information

- The indoor unit shall be compatible with Samsung DVM S and DVM Eco systems (AM****X*****AA).
- The indoor unit shall be a round ceiling cassette with 360°, even air distribution
- Auto-restart after power loss
- The indoor unit shall have a removable EEPROM that stores system programming information, unit name, and other data
- All indoor unit addressing and option settings shall be done digitally; the indoor unit does not contain rotary dials or setting switches.
- Electro-static, washable, pleated filter as standard (included with fascia panel).
- Built in condensate pump with maximum 29" lift from the bottom of the unit, check valve, and float switch that disables indoor unit during overflow detection
- Knock-out for outside air capability (with booster fan connection)
- Fascia panel shall have LED indicator lights and an infrared receiver
- The indoor unit shall have two (2) fascia panel types:
  1. Ceiling Type for installation applications where a ceiling textile is present (ex. tile ceiling, gypsum). The Ceiling Type fascia panel shall be square in shape.
  2. Open Type for installation applications where a ceiling textile is not present (ex. open ceiling). The Open Type fascia panel shall be circular in shape.
- The indoor unit shall not have air louvers or blades allowing full airflow without restriction. Air direction control shall be achieved by creating a low pressure area near air outlet causing discharge air to change direction angle.
- Fixed or auto-swing air direction shall be possible with wireless, touch, or premium wired controller (10° ~ 60° angle)
- Independent air distribution control shall be possible with wireless or premium wired controller (three directions, 10° ~ 60° angle)

Construction

The indoor unit shall be have a galvanized steel frame with HIPS chassis and fascia panel certified to UL94 V0.

Heat Exchanger

The indoor unit heat exchanger shall be mechanically bonded aluminum fin to copper tube

Controls

Control signal shall be a DDC type signal

The unit shall integrate with the Samsung NASA Controls Network Solution

Controls shall integrate with a BMS system

Control wiring shall be 2 X 16 AWG shielded wire

The indoor unit shall have a 12VDC output that is interlocked with fan to activate external devices (fan ON = 12VDC ON, fan OFF = 12VDC OFF, pigtail adapter plug required)

Wired or wireless controls must be purchased separately

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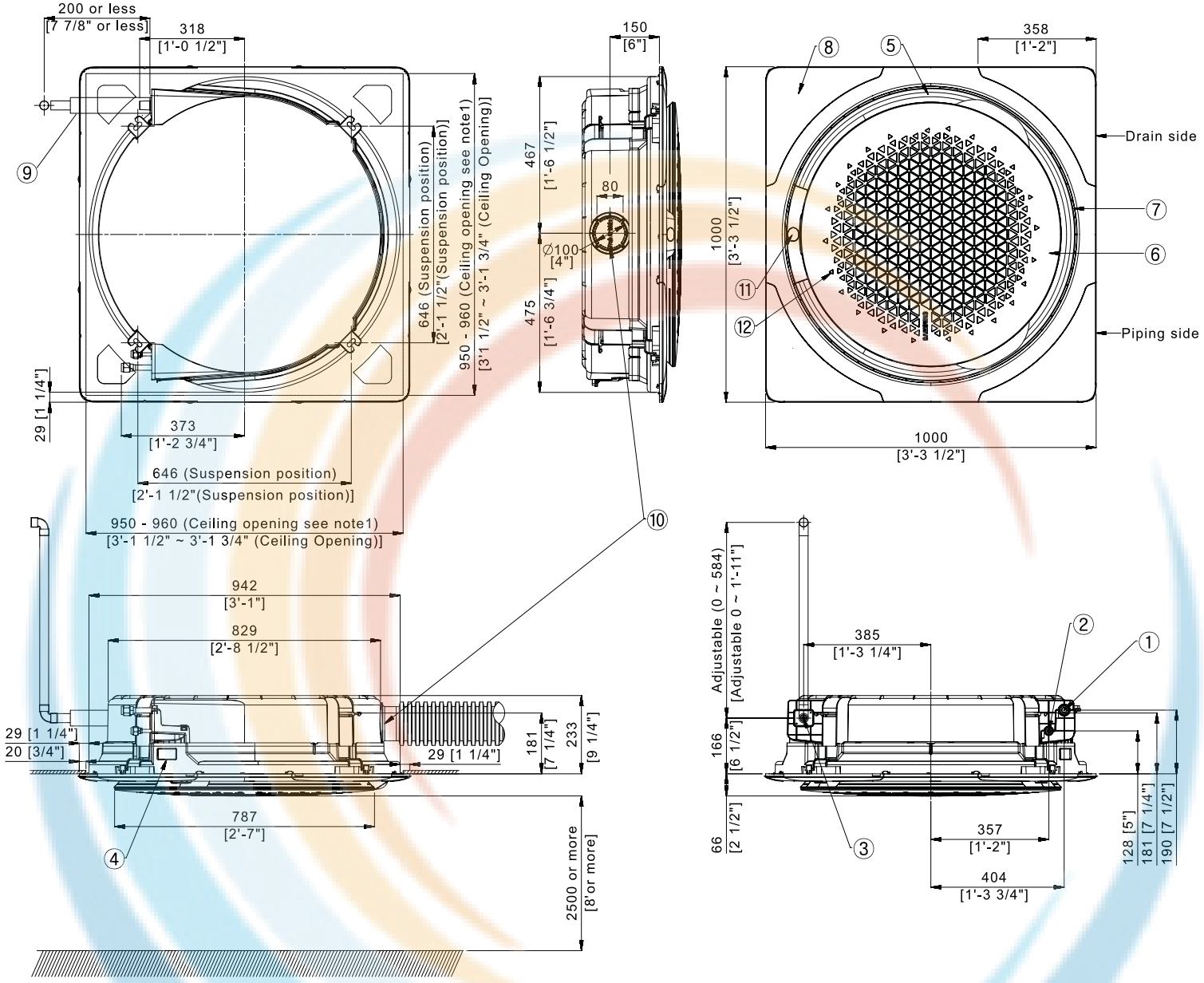
SUBMITTAL AM012KN4DCH/AA

Samsung DVM S Series, 360 Cassette

Dimensional Drawing With Ceiling 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

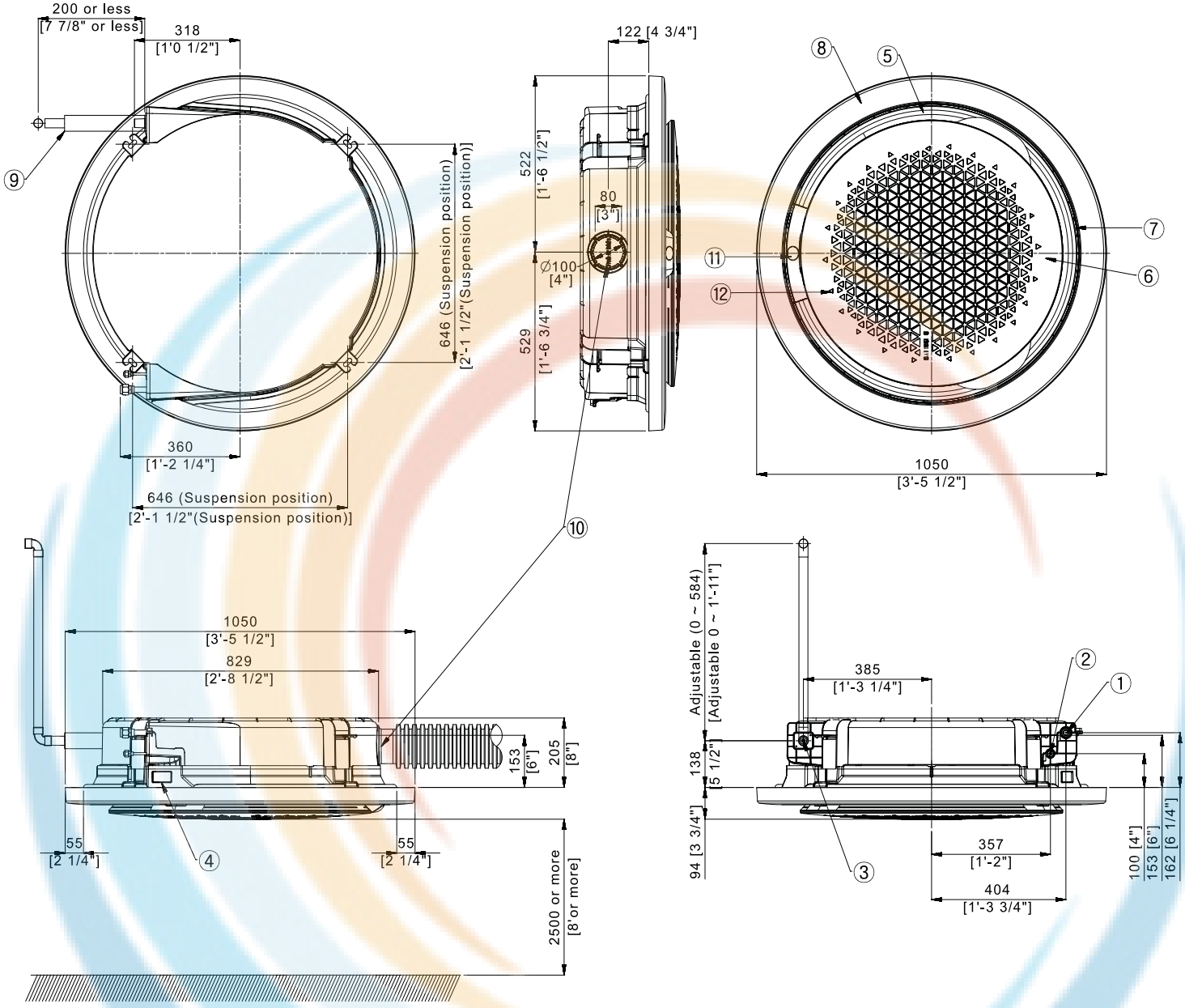
SAMSUNG

SUBMITTAL AM012KN4DCH/AA

Samsung DVM S Series, 360 Cassette

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

SAMSUNG

SUBMITTAL AM018KN4DCH/AA
Samsung DVM S Series, 360 Cassette

Job Name _____ Location _____

Purchaser _____ Engineer _____

Submitted to _____ Reference ☐ Approval ☐ Construction ☐

Unit Designation _____ Schedule # _____

Shown with PC4NUNMUN (open type panel)

Shown with PC4NUDMUN (ceiling type panel)

Specifications

Performance	Nominal Capacity	Cooling (Btu/h)	18,000
		Heating (Btu/h)	20,000
	Condensate (pints/hour)		7.70
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Nominal Running Current (A)		0.18
	MCA		0.4
	MOP		15
Dimensions	W X H X D	Inches	37 1/4 X 11 1/16 X 37 1/4
	Weight	lbs.	46.3
Sound Level	H / M / L	dB(a)	33 / 31 / 29
Pipe Connections	Liquid (flare)	Inches	1/4
	Suction (flare)	Inches	1/2
	Condensate Connection		1 1/4" OD, 1" ID
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
Evaporator Fan	Type		BLDC (1) With Turbo Type Fan (1)
	Air Volume	CFM (H/M/L)	565 / 530 / 495
	FLA	Amps	0.33
Fascia Panel	Ceiling Type (Square)	L X W X H (inches)	39 3/8 X 39 3/8 X 2 5/8
		Weight (lbs.)	7.94
	Open Type (Round)	Diameter X H (inches)	41 15/16 X 3 3/8
		Weight (lbs.)	5.95
Accessories	Fascia Panel	Ceiling Type (square, white)	☐ PC4NUDMUN
		Ceiling Type (square, black)	☐ PC4NBDMUN
		Open Type (round, white)	☐ PC4NUNMUN
		Open Type (round, black)	☐ PC4NBNMUN
	External Temperature Sensor		☐ MRW-TA
	Wireless Controller		☐ AR-KH03U
	External Contact Control		☐ MIM-B14
	CN83 Pigtail (for 12VDC VENT output)		☐ DB39-01263A
Safety	Certifications		ETL (UL 1995)

* Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.
* Nominal heating capacities are based on: Indoor temperature: 70 F DB, 60 F WB. Outdoor temperature: 47 F DB, 43 F WB.

General Information

- The indoor unit shall be compatible with Samsung DVM S and DVM Eco systems (AM****X*****AA).
- The indoor unit shall be a round ceiling cassette with 360°, even air distribution
- Auto-restart after power loss
- The indoor unit shall have a removable EEPROM that stores system programming information, unit name, and other data
- All indoor unit addressing and option settings shall be done digitally; the indoor unit does not contain rotary dials or setting switches.
- Electro-static, washable, pleated filter as standard (included with fascia panel).
- Built in condensate pump with maximum 29" lift from the bottom of the unit, check valve, and float switch that disables indoor unit during overflow detection
- Knock-out for outside air capability (with booster fan connection)
- Fascia panel shall have LED indicator lights and an infrared receiver
- The indoor unit shall have two (2) fascia panel types:
  1. Ceiling Type for installation applications where a ceiling textile is present (ex. tile ceiling, gypsum). The Ceiling Type fascia panel shall be square in shape.
  2. Open Type for installation applications where a ceiling textile is not present (ex. open ceiling). The Open Type fascia panel shall be circular in shape.
- The indoor unit shall not have air louvers or blades allowing full airflow without restriction. Air direction control shall be achieved by creating a low pressure area near air outlet causing discharge air to change direction angle.
- Fixed or auto-swing air direction shall be possible with wireless, touch, or premium wired controller (10° ~ 60° angle)
- Independent air distribution control shall be possible with wireless or premium wired controller (three directions, 10° ~ 60° angle)

Construction

The indoor unit shall be have a galvanized steel frame with HIPS chassis and fascia panel certified to UL94 V0.

Heat Exchanger

The indoor unit heat exchanger shall be mechanically bonded aluminum fin to copper tube

Controls

Control signal shall be a DDC type signal

The unit shall integrate with the Samsung NASA Controls Network Solution

Controls shall integrate with a BMS system

Control wiring shall be 2 X 16 AWG shielded wire

The indoor unit shall have a 12VDC output that is interlocked with fan to activate external devices (fan ON = 12VDC ON, fan OFF = 12VDC OFF, pigtail adapter plug required)

Wired or wireless controls must be purchased separately

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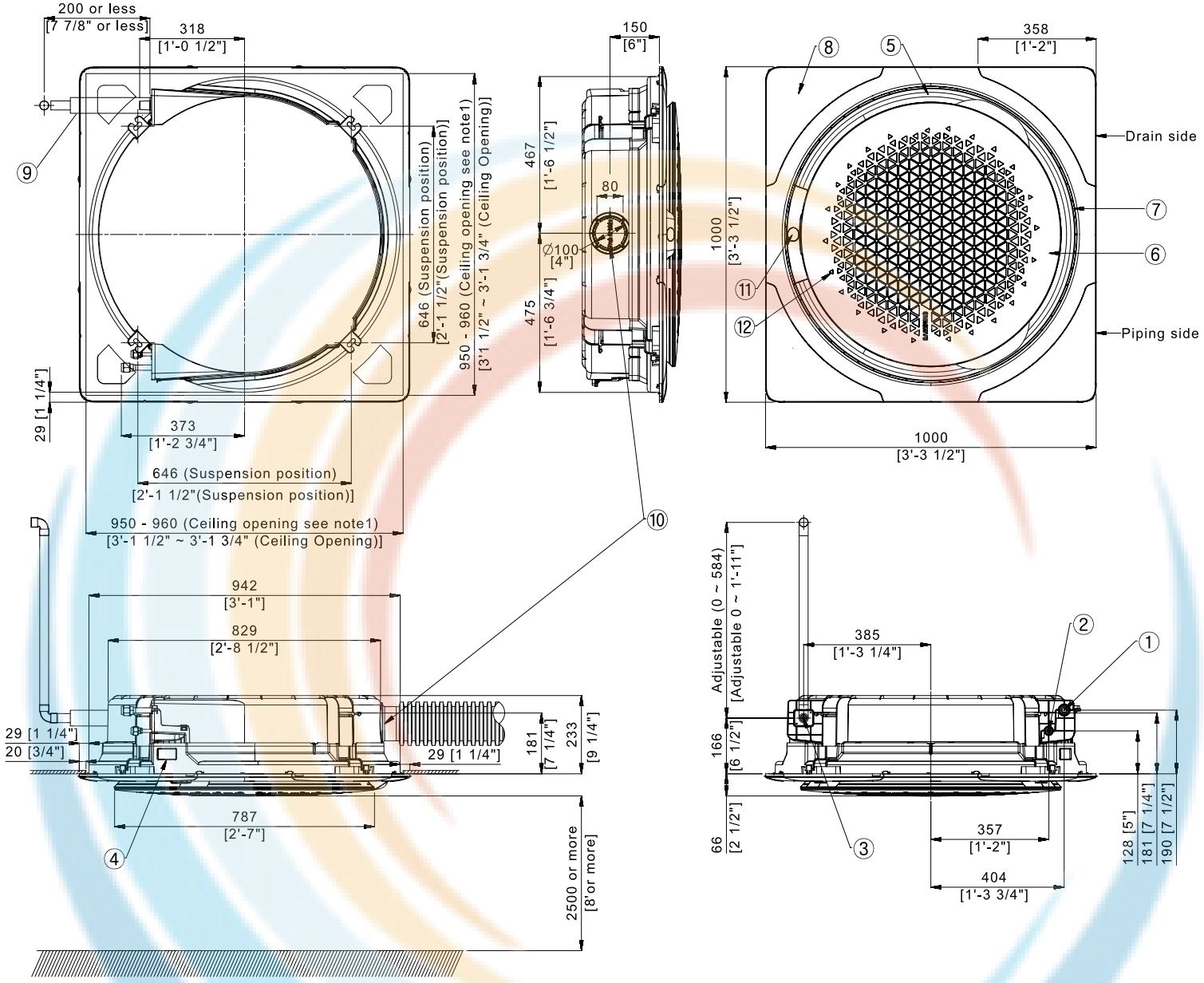
SAMSUNG

SUBMITTAL AM018KN4DCH/AA

Samsung DVM S Series, 360 Cassette

Dimensional Drawing With Ceiling 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

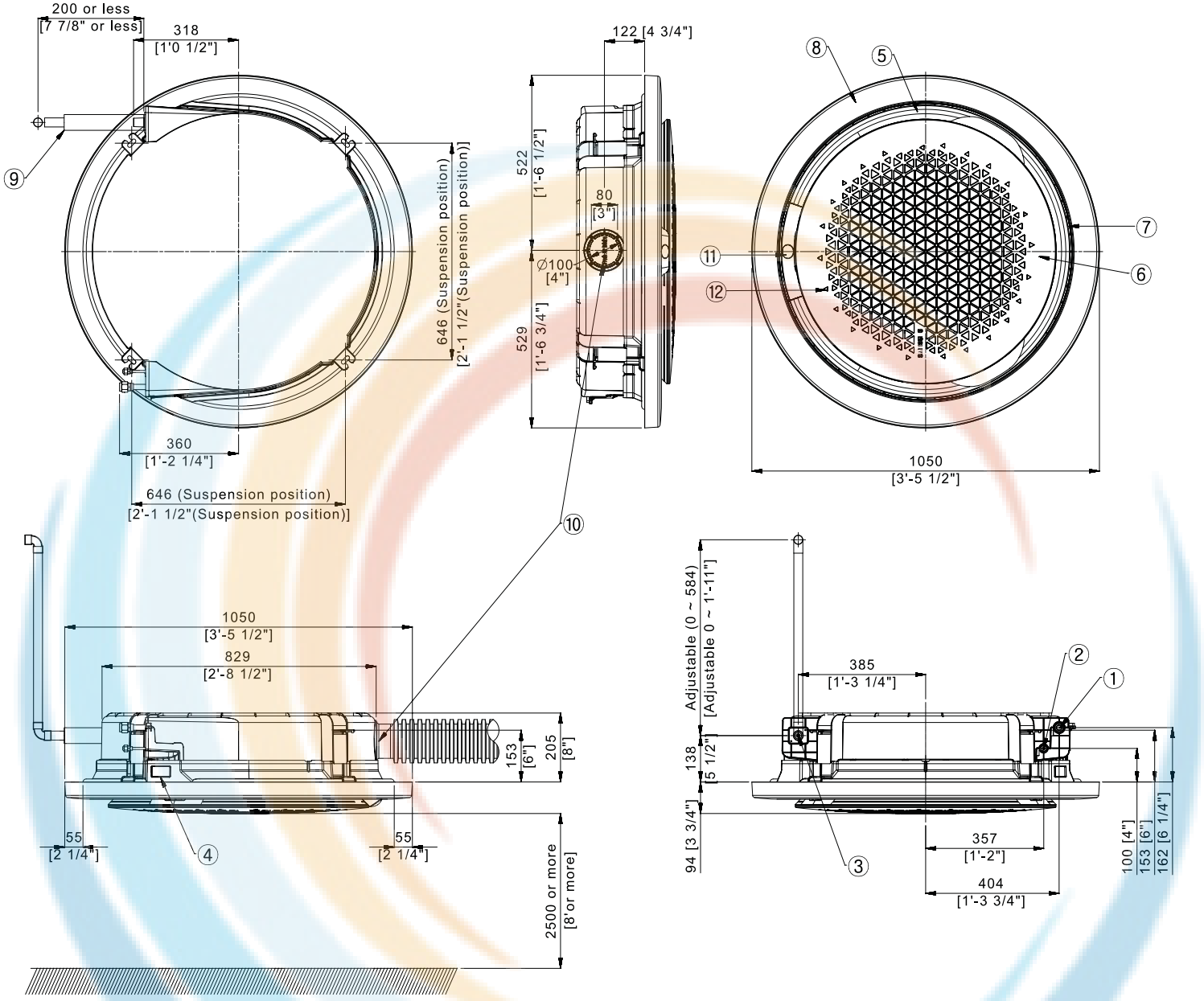
SAMSUNG

SUBMITTAL AM018KN4DCH/AA

Samsung DVM S Series, 360 Cassette

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

SAMSUNG

SUBMITTAL AM024KN4DCH/AA
Samsung DVM S Series, 360 Cassette

Job Name _____ Location _____

Purchaser _____ Engineer _____

Submitted to _____ Reference ☐ Approval ☐ Construction ☐

Unit Designation _____ Schedule # _____

Shown with PC4NUNMUN (open type panel)

Shown with PC4NUDMUN (ceiling type panel)

Specifications

Performance	Nominal Capacity	Cooling (Btu/h)	24,000
		Heating (Btu/h)	27,000
	Condensate (pints/hour)		8.10
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Nominal Running Current (A)		0.28
	MCA		0.4
	MOP		15
Dimensions	W X H X D	Inches	37 1/4 X 11 1/16 X 37 1/4
	Weight	lbs.	46.3
Sound Level	H / M / L	dB(a)	38 / 35 / 32
Pipe Connections	Liquid (flare)	Inches	3/8
	Suction (flare)	Inches	5/8
	Condensate Connection		1 1/4" OD, 1" ID
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
Evaporator Fan	Type		BLDC (1) With Turbo Type Fan (1)
	Air Volume	CFM (H/M/L)	671 / 583 / 512
	FLA	Amps	0.33
Fascia Panel	Ceiling Type (Square)	L X W X H (inches)	39 3/8 X 39 3/8 X 2 5/8
		Weight (lbs.)	7.94
	Open Type (Round)	Diameter X H (inches)	41 15/16 X 3 3/8
		Weight (lbs.)	5.95
Accessories	Fascia Panel	Ceiling Type (square, white)	☐ PC4NUDMUN
		Ceiling Type (square, black)	☐ PC4NBDMUN
		Open Type (round, white)	☐ PC4NUNMUN
		Open Type (round, black)	☐ PC4NBNMUN
	External Temperature Sensor		☐ MRW-TA
	Wireless Controller		☐ AR-KH03U
	External Contact Control		☐ MIM-B14
	CN83 Pigtail (for 12VDC VENT output)		☐ DB39-01263A
Safety	Certifications		ETL (UL 1995)

* Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.
* Nominal heating capacities are based on: Indoor temperature: 70 F DB, 60 F WB. Outdoor temperature: 47 F DB, 43 F WB.

General Information

- The indoor unit shall be compatible with Samsung DVM S and DVM Eco systems (AM****X*****AA).
- The indoor unit shall be a round ceiling cassette with 360°, even air distribution
- Auto-restart after power loss
- The indoor unit shall have a removable EEPROM that stores system programming information, unit name, and other data
- All indoor unit addressing and option settings shall be done digitally; the indoor unit does not contain rotary dials or setting switches.
- Electro-static, washable, pleated filter as standard (included with fascia panel).
- Built in condensate pump with maximum 29" lift from the bottom of the unit, check valve, and float switch that disables indoor unit during overflow detection
- Knock-out for outside air capability (with booster fan connection)
- Fascia panel shall have LED indicator lights and an infrared receiver
- The indoor unit shall have two (2) fascia panel types:
  1. Ceiling Type for installation applications where a ceiling textile is present (ex. tile ceiling, gypsum). The Ceiling Type fascia panel shall be square in shape.
  2. Open Type for installation applications where a ceiling textile is not present (ex. open ceiling). The Open Type fascia panel shall be circular in shape.
- The indoor unit shall not have air louvers or blades allowing full airflow without restriction. Air direction control shall be achieved by creating a low pressure area near air outlet causing discharge air to change direction angle.
- Fixed or auto-swing air direction shall be possible with wireless, touch, or premium wired controller (10° ~ 60° angle)
- Independent air distribution control shall be possible with wireless or premium wired controller (three directions, 10° ~ 60° angle)

Construction

The indoor unit shall be have a galvanized steel frame with HIPS chassis and fascia panel certified to UL94 V0.

Heat Exchanger

The indoor unit heat exchanger shall be mechanically bonded aluminum fin to copper tube

Controls

Control signal shall be a DDC type signal

The unit shall integrate with the Samsung NASA Controls Network Solution

Controls shall integrate with a BMS system

Control wiring shall be 2 X 16 AWG shielded wire

The indoor unit shall have a 12VDC output that is interlocked with fan to activate external devices (fan ON = 12VDC ON, fan OFF = 12VDC OFF, pigtail adapter plug required)

Wired or wireless controls must be purchased separately

C ETL LISTED US Intertek

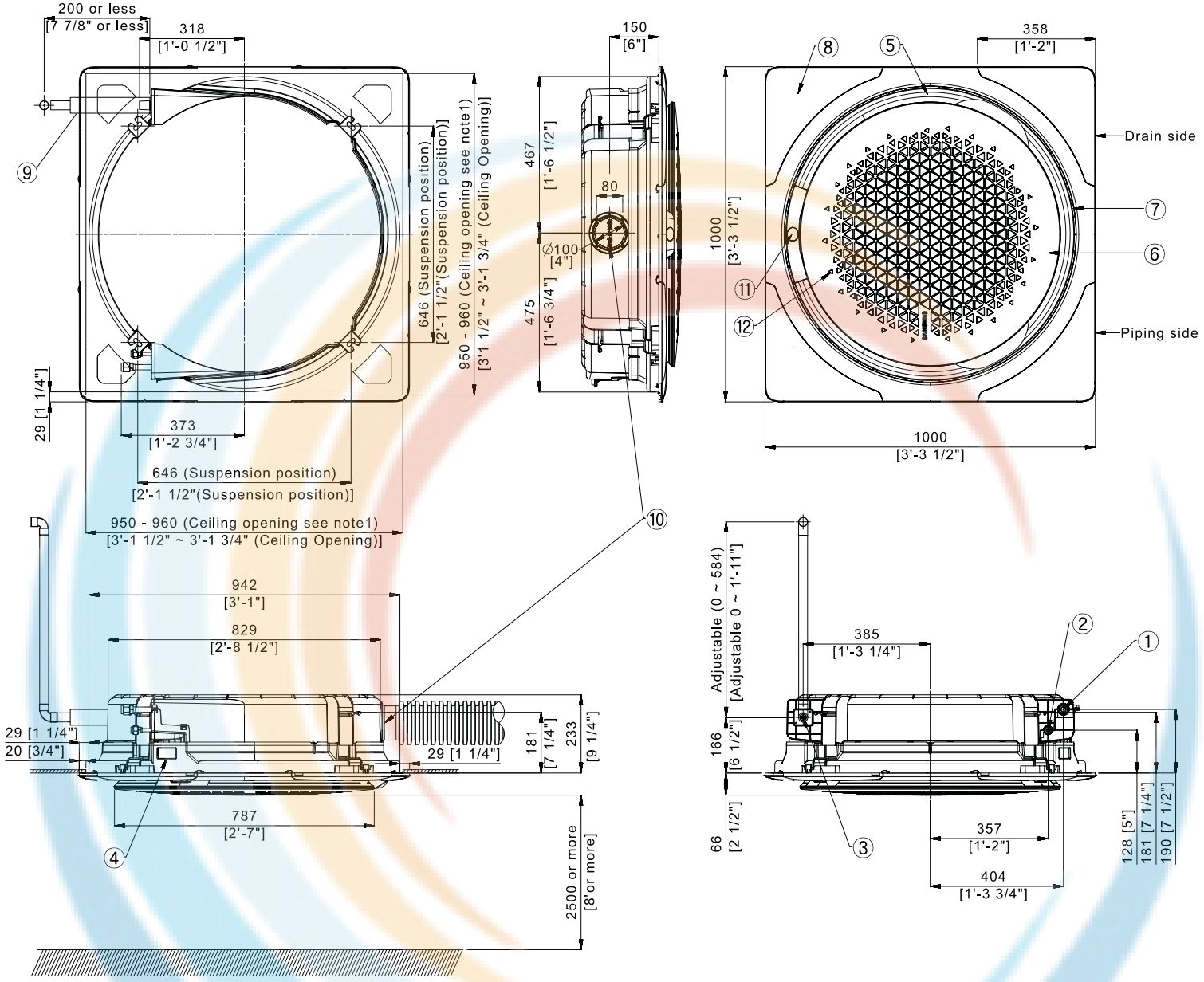
SAMSUNG

SUBMITTAL AM024KN4DCH/AA

Samsung DVM S Series, 360 Cassette

Dimensional Drawing With Ceiling 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

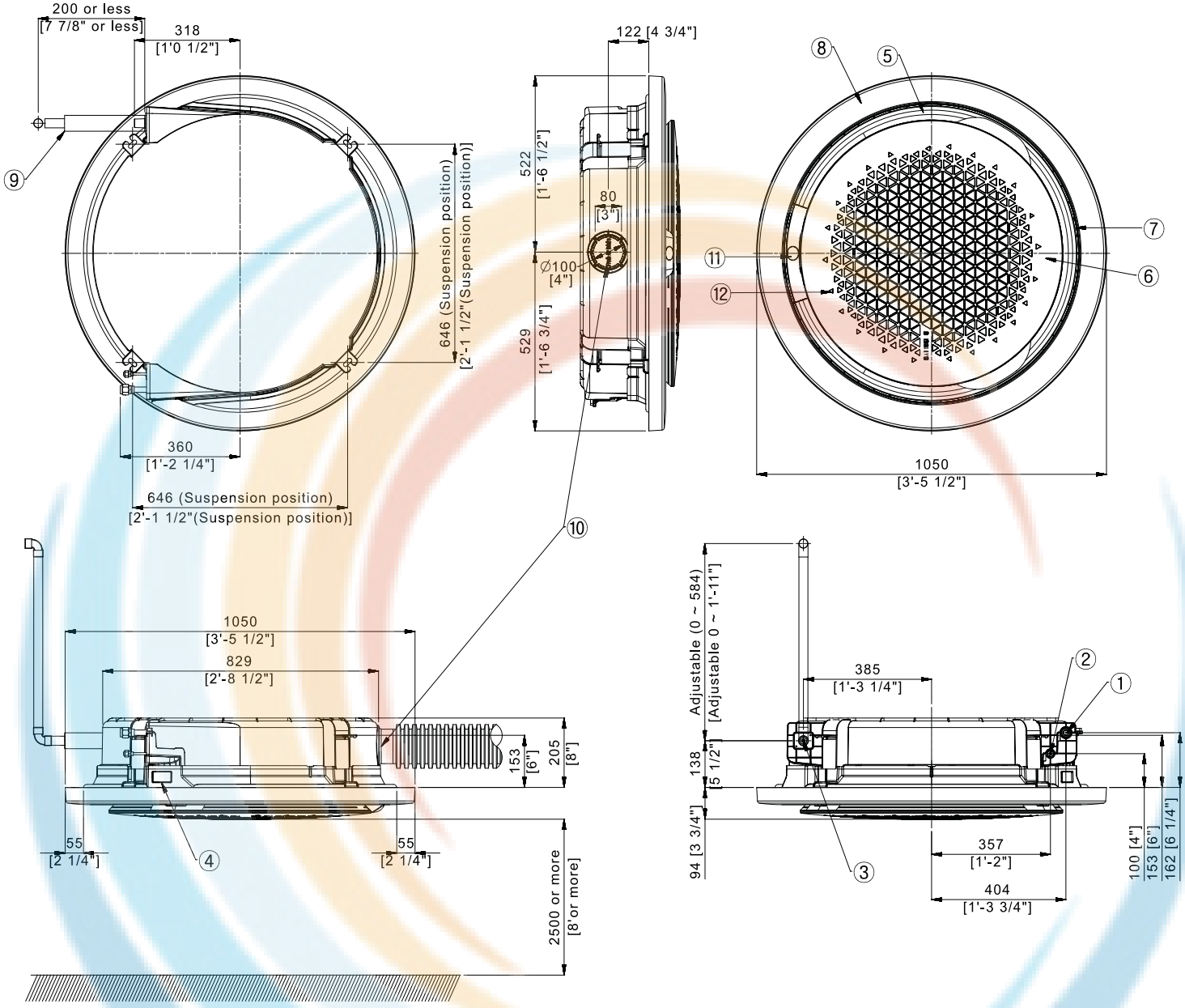
SAMSUNG

SUBMITTAL AM024KN4DCH/AA

Samsung DVM S Series, 360 Cassette

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

SAMSUNG

SUBMITTAL AM030KN4DCH/AA
Samsung DVM S Series, 360 Cassette

Job Name _____ Location _____

Purchaser _____ Engineer _____

Submitted to _____ Reference ☐ Approval ☐ Construction ☐

Unit Designation _____ Schedule # _____

Shown with PC4NUNMUN (open type panel)

Shown with PC4NUDMUN (ceiling type panel)

Specifications

Performance	Nominal Capacity	Cooling (Btu/h)	30,000
		Heating (Btu/h)	34,000
	Condensate (pints/hour)		9.10
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Nominal Running Current (A)		0.42
	MCA		0.5
	MOP		15
Dimensions	W X H X D	Inches	37 1/4 X 14 3/8 X 37 1/4
	Weight	lbs.	52.9
Sound Level	H / M / L	dB(a)	40 / 38 / 36
Pipe Connections	Liquid (flare)	Inches	3/8
	Suction (flare)	Inches	5/8
	Condensate Connection		1 1/4" OD, 1" ID
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
Evaporator Fan	Type		BLDC (1) With Turbo Type Fan (1)
	Air Volume	CFM (H/M/L)	901 / 795 / 706
	FLA	Amps	0.39
Fascia Panel	Ceiling Type (Square)	L X W X H (inches)	39 3/8 X 39 3/8 X 2 5/8
		Weight (lbs.)	7.94
	Open Type (Round)	Diameter X H (inches)	41 15/16 X 3 3/8
		Weight (lbs.)	5.95
Accessories	Fascia Panel	Ceiling Type (square, white)	☐ PC4NUDMUN
		Ceiling Type (square, black)	☐ PC4NBDMUN
		Open Type (round, white)	☐ PC4NUNMUN
		Open Type (round, black)	☐ PC4NBNMUN
	External Temperature Sensor		☐ MRW-TA
	Wireless Controller		☐ AR-KH03U
	External Contact Control		☐ MIM-B14
	CN83 Pigtail (for 12VDC VENT output)		☐ DB39-01263A
Safety	Certifications		ETL (UL 1995)

* Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.
* Nominal heating capacities are based on: Indoor temperature: 70 F DB, 60 F WB. Outdoor temperature: 47 F DB, 43 F WB.

General Information

- The indoor unit shall be compatible with Samsung DVM S and DVM Eco systems (AM****X*****AA).
- The indoor unit shall be a round ceiling cassette with 360°, even air distribution
- Auto-restart after power loss
- The indoor unit shall have a removable EEPROM that stores system programming information, unit name, and other data
- All indoor unit addressing and option settings shall be done digitally; the indoor unit does not contain rotary dials or setting switches.
- Electro-static, washable, pleated filter as standard (included with fascia panel).
- Built in condensate pump with maximum 29" lift from the bottom of the unit, check valve, and float switch that disables indoor unit during overflow detection
- Knock-out for outside air capability (with booster fan connection)
- Fascia panel shall have LED indicator lights and an infrared receiver
- The indoor unit shall have two (2) fascia panel types:
  1. Ceiling Type for installation applications where a ceiling textile is present (ex. tile ceiling, gypsum). The Ceiling Type fascia panel shall be square in shape.
  2. Open Type for installation applications where a ceiling textile is not present (ex. open ceiling). The Open Type fascia panel shall be circular in shape.
- The indoor unit shall not have air louvers or blades allowing full airflow without restriction. Air direction control shall be achieved by creating a low pressure area near air outlet causing discharge air to change direction angle.
- Fixed or auto-swing air direction shall be possible with wireless, touch, or premium wired controller (10° ~ 60° angle)
- Independent air distribution control shall be possible with wireless or premium wired controller (three directions, 10° ~ 60° angle)

Construction

The indoor unit shall be have a galvanized steel frame with HIPS chassis and fascia panel certified to UL94 V0.

Heat Exchanger

The indoor unit heat exchanger shall be mechanically bonded aluminum fin to copper tube

Controls

Control signal shall be a DDC type signal

The unit shall integrate with the Samsung NASA Controls Network Solution

Controls shall integrate with a BMS system

Control wiring shall be 2 X 16 AWG shielded wire

The indoor unit shall have a 12VDC output that is interlocked with fan to activate external devices (fan ON = 12VDC ON, fan OFF = 12VDC OFF, pigtail adapter plug required)

Wired or wireless controls must be purchased separately

C ETL LISTED US Intertek

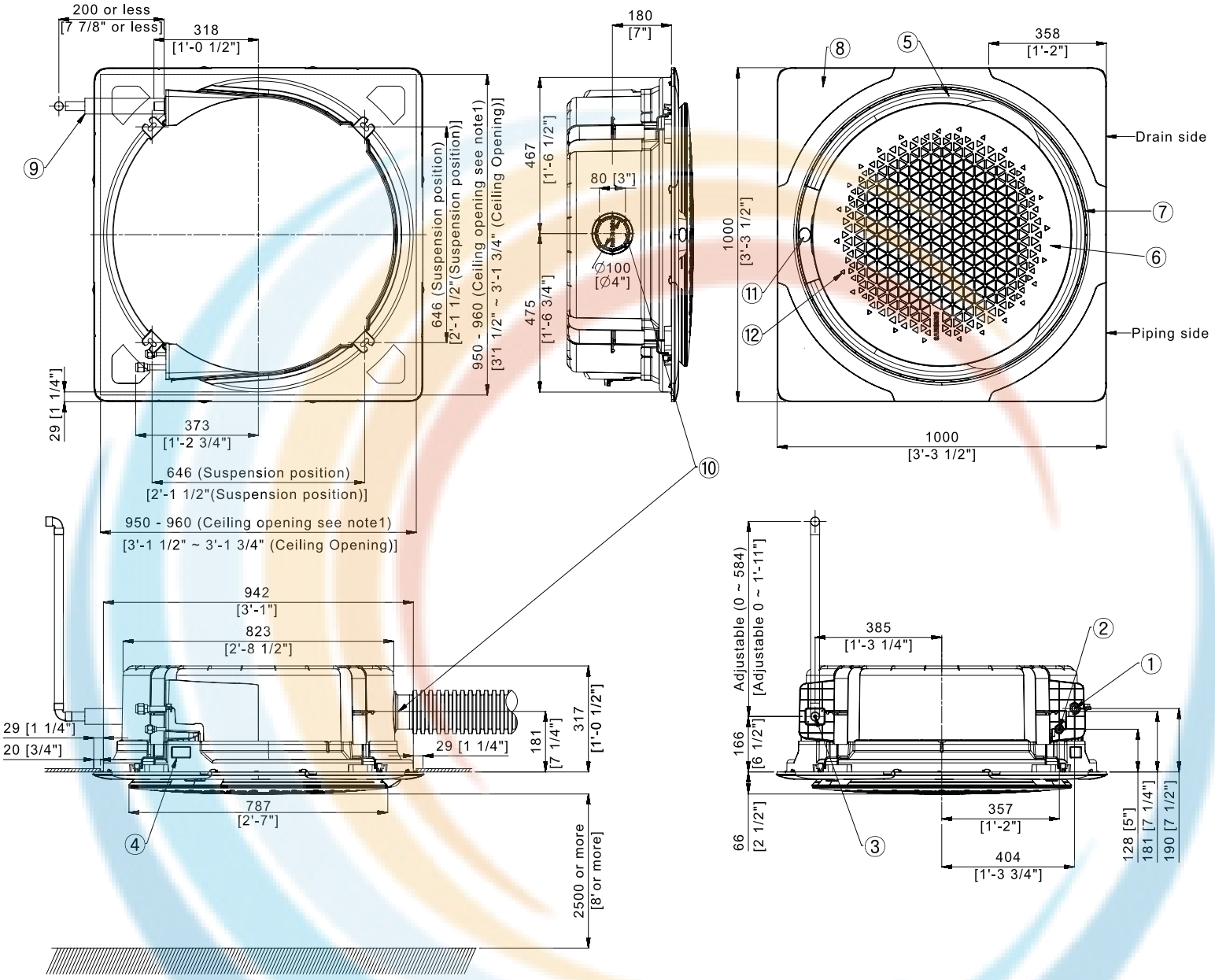
SAMSUNG

SUBMITTAL AM030KN4DCH/AA

Samsung DVM S Series, 360 Cassette

Dimensional Drawing With Ceiling 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

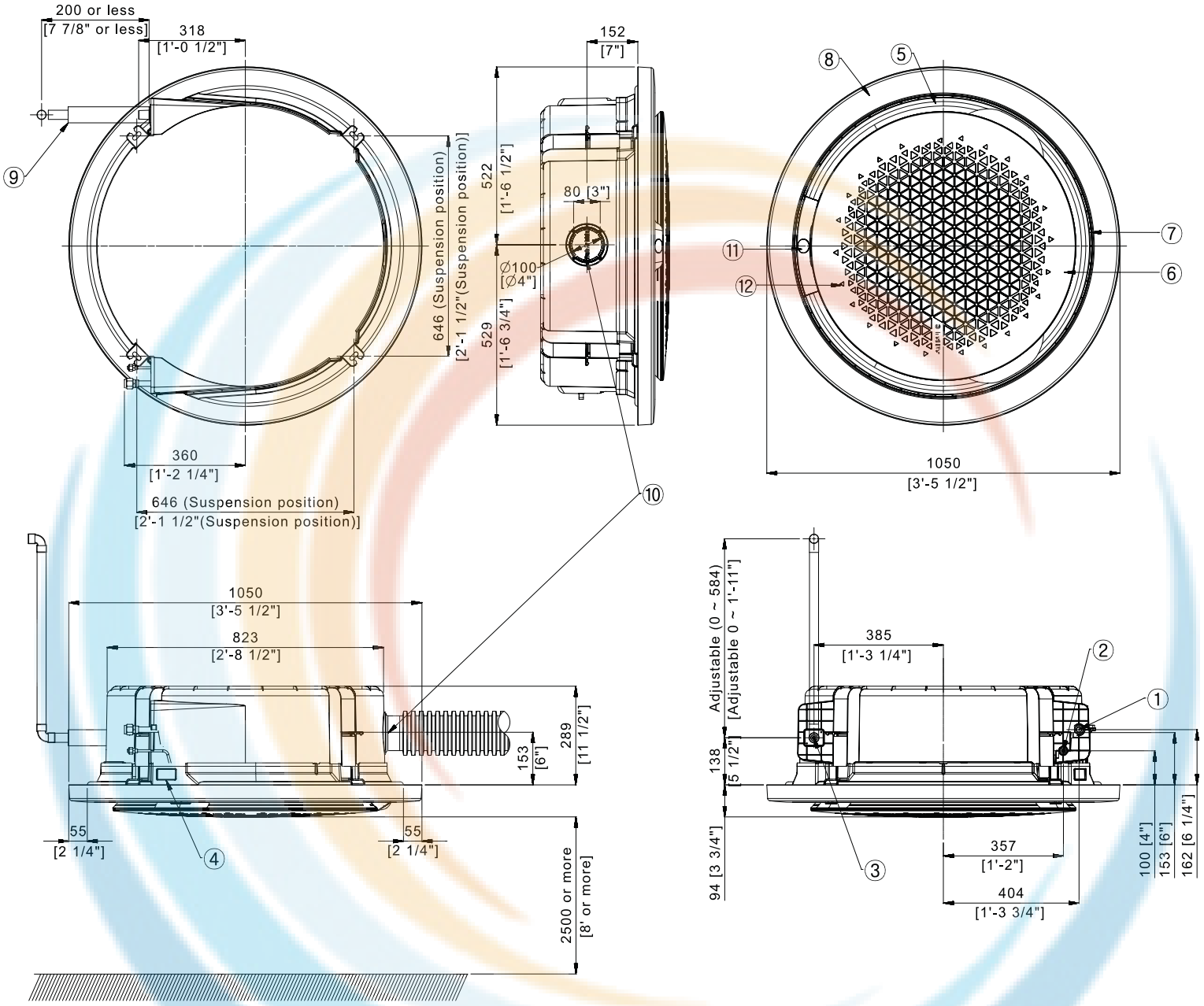
SAMSUNG

SUBMITTAL AM030KN4DCH/AA

Samsung DVM S Series, 360 Cassette

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

SAMSUNG

SUBMITTAL AM036KN4DCH/AA
Samsung DVM S Series, 360 Cassette

Job Name _____ Location _____

Purchaser _____ Engineer _____

Submitted to _____ Reference ☐ Approval ☐ Construction ☐

Unit Designation _____ Schedule # _____

Shown with PC4NUNMUN (open type panel)

Shown with PC4NUDMUN (ceiling type panel)

Specifications

Performance	Nominal Capacity	Cooling (Btu/h)	36,000
		Heating (Btu/h)	40,000
	Condensate (pints/hour)		8.5
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Nominal Running Current (A)		0.57
	MCA		0.5
	MOP		15
Dimensions	W X H X D	Inches	37 1/4 X 14 3/8 X 37 1/4
	Weight	lbs.	52.9
Sound Level	H / M / L	dB(a)	40 / 40 / 38
Pipe Connections	Liquid (flare)	Inches	3/8
	Suction (flare)	Inches	5/8
	Condensate Connection		1 1/4" OD, 1" ID
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
Evaporator Fan	Type		BLDC (1) With Turbo Type Fan (1)
	Air Volume	CFM (H/M/L)	989 / 883 / 777
	FLA	Amps	0.39
Fascia Panel	Ceiling Type (Square)	L X W X H (inches)	39 3/8 X 39 3/8 X 2 5/8
		Weight (lbs.)	7.94
	Open Type (Round)	Diameter X H (inches)	41 15/16 X 3 3/8
		Weight (lbs.)	5.95
Accessories	Fascia Panel	Ceiling Type (square, white)	☐ PC4NUDMUN
		Ceiling Type (square, black)	☐ PC4NBDMUN
		Open Type (round, white)	☐ PC4NUNMUN
		Open Type (round, black)	☐ PC4NBNMUN
	External Temperature Sensor		☐ MRW-TA
	Wireless Controller		☐ AR-KH03U
	External Contact Control		☐ MIM-B14
	CN83 Pigtail (for 12VDC VENT output)		☐ DB39-01263A
Safety	Certifications		ETL (UL 1995)

* Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.
* Nominal heating capacities are based on: Indoor temperature: 70 F DB, 60 F WB. Outdoor temperature: 47 F DB, 43 F WB.

General Information

- The indoor unit shall be compatible with Samsung DVM S and DVM Eco systems (AM****X*****AA).
- The indoor unit shall be a round ceiling cassette with 360°, even air distribution
- Auto-restart after power loss
- The indoor unit shall have a removable EEPROM that stores system programming information, unit name, and other data
- All indoor unit addressing and option settings shall be done digitally; the indoor unit does not contain rotary dials or setting switches.
- Electro-static, washable, pleated filter as standard (included with fascia panel).
- Built in condensate pump with maximum 29" lift from the bottom of the unit, check valve, and float switch that disables indoor unit during overflow detection
- Knock-out for outside air capability (with booster fan connection)
- Fascia panel shall have LED indicator lights and an infrared receiver
- The indoor unit shall have two (2) fascia panel types:
  1. Ceiling Type for installation applications where a ceiling textile is present (ex. tile ceiling, gypsum). The Ceiling Type fascia panel shall be square in shape.
  2. Open Type for installation applications where a ceiling textile is not present (ex. open ceiling). The Open Type fascia panel shall be circular in shape.
- The indoor unit shall not have air louvers or blades allowing full airflow without restriction. Air direction control shall be achieved by creating a low pressure area near air outlet causing discharge air to change direction angle.
- Fixed or auto-swing air direction shall be possible with wireless, touch, or premium wired controller (10° ~ 60° angle)
- Independent air distribution control shall be possible with wireless or premium wired controller (three directions, 10° ~ 60° angle)

Construction

The indoor unit shall be have a galvanized steel frame with HIPS chassis and fascia panel certified to UL94 V0.

Heat Exchanger

The indoor unit heat exchanger shall be mechanically bonded aluminum fin to copper tube

Controls

Control signal shall be a DDC type signal

The unit shall integrate with the Samsung NASA Controls Network Solution

Controls shall integrate with a BMS system

Control wiring shall be 2 X 16 AWG shielded wire

The indoor unit shall have a 12VDC output that is interlocked with fan to activate external devices (fan ON = 12VDC ON, fan OFF = 12VDC OFF, pigtail adapter plug required)

Wired or wireless controls must be purchased separately

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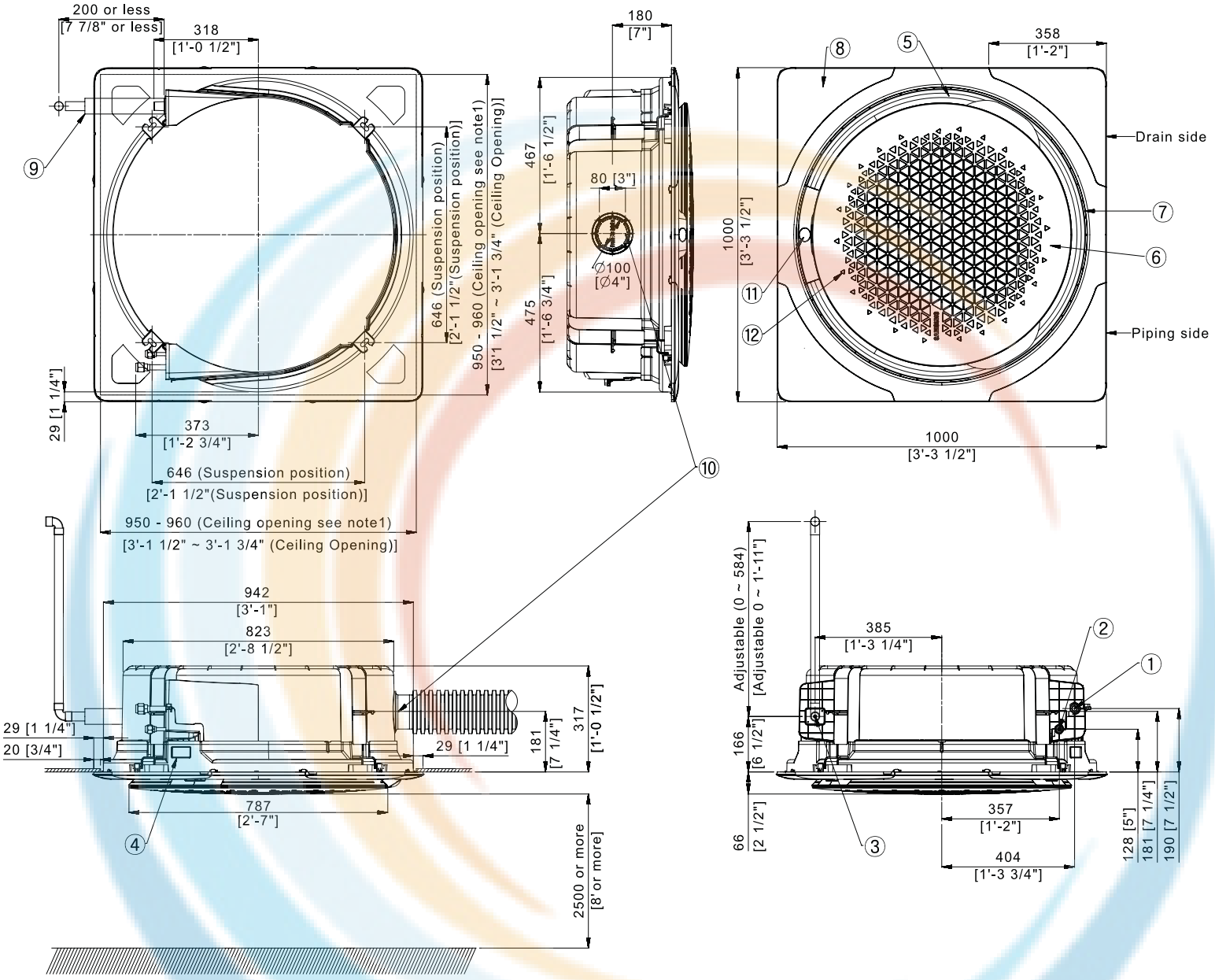
SAMSUNG

SUBMITTAL AM036KN4DCH/AA

Samsung DVM S Series, 360 Cassette

Dimensional Drawing With Ceiling 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

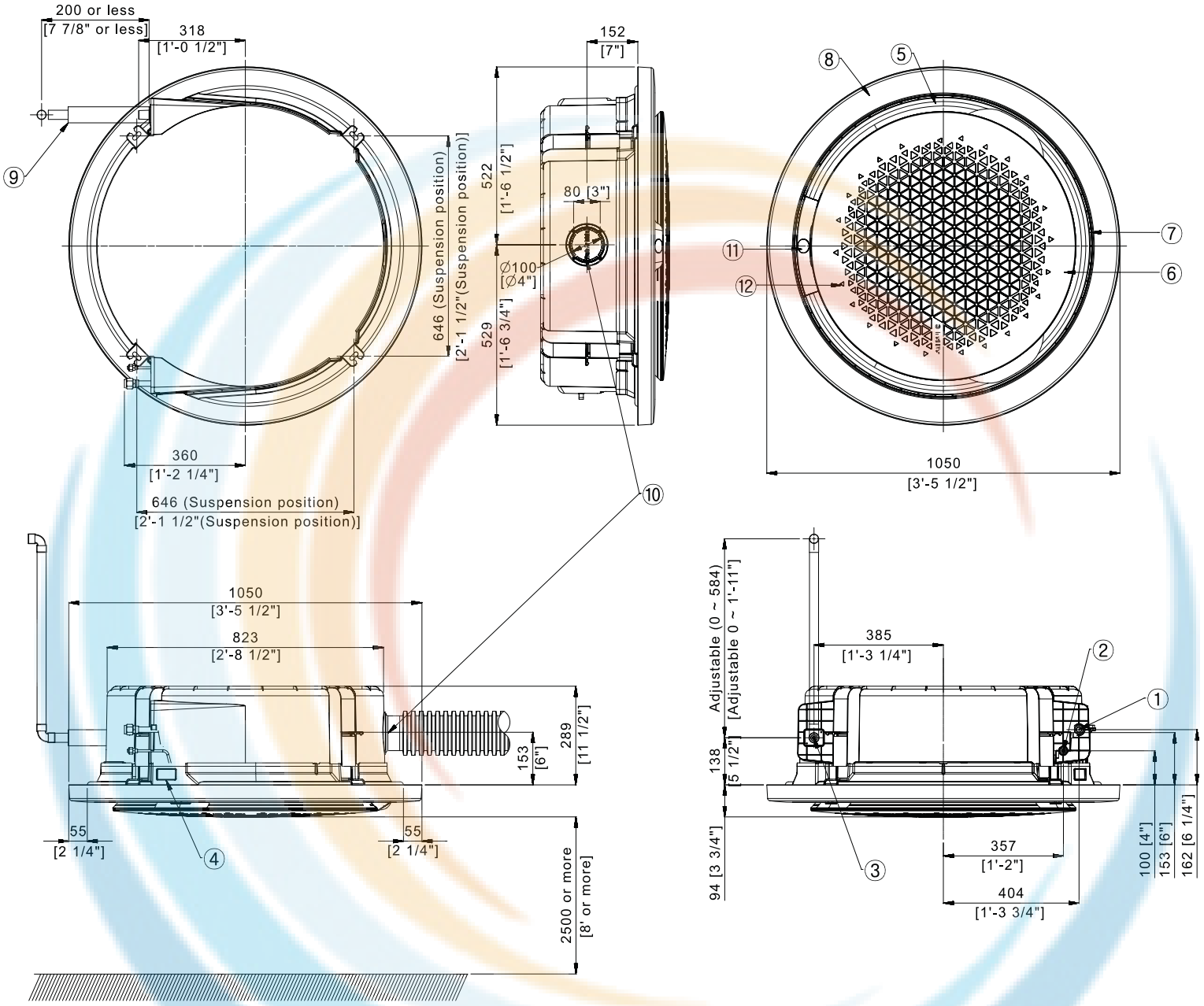
SAMSUNG

SUBMITTAL AM036KN4DCH/AA

Samsung DVM S Series, 360 Cassette

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

SAMSUNG

SUBMITTAL AM048KN4DCH/AA
Samsung DVM S Series, 360 Cassette

Job Name _____ Location _____

Purchaser _____ Engineer _____

Submitted to _____ Reference ☐ Approval ☐ Construction ☐

Unit Designation _____ Schedule # _____

Shown with PC4NUNMUN (open type panel)

Shown with PC4NUDMUN (ceiling type panel)

Specifications

Performance	Nominal Capacity	Cooling (Btu/h)	48,000
		Heating (Btu/h)	54,000
	Condensate (pints/hour)		14.8
Power	Voltage	ø / V / Hz	1 / 208-230 / 60
	Nominal Running Current (A)		0.75
	MCA		0.5
	MOP		15
Dimensions	W X H X D	Inches	37 1/4 X 14 3/8 X 37 1/4
	Weight	lbs.	52.9
Sound Level	H / M / L	dB(a)	44 / 42 / 39
Pipe Connections	Liquid (flare)	Inches	3/8
	Suction (flare)	Inches	5/8
	Condensate Connection		1 1/4" OD, 1" ID
Refrigerant	Type		R410A
	Control Method		Electronic Expansion Valve
Evaporator Fan	Type		BLDC (1) With Turbo Type Fan (1)
	Air Volume	CFM (H/M/L)	1,112 / 954 / 848
	FLA	Amps	0.39
Fascia Panel	Ceiling Type (Square)	L X W X H (inches)	39 3/8 X 39 3/8 X 2 5/8
		Weight (lbs.)	7.94
	Open Type (Round)	Diameter X H (inches)	41 15/16 X 3 3/8
		Weight (lbs.)	5.95
Accessories	Fascia Panel	Ceiling Type (square, white)	☐ PC4NUDMUN
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		Open Type (round, black)	☐ PC4NBNMUN
	External Temperature Sensor		☐ MRW-TA
	Wireless Controller		☐ AR-KH03U
	External Contact Control		☐ MIM-B14
	CN83 Pigtail (for 12VDC VENT output)		☐ DB39-01263A
Safety	Certifications		ETL (UL 1995)

* Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.
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General Information

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Wired or wireless controls must be purchased separately

C ETL LISTED US Intertek

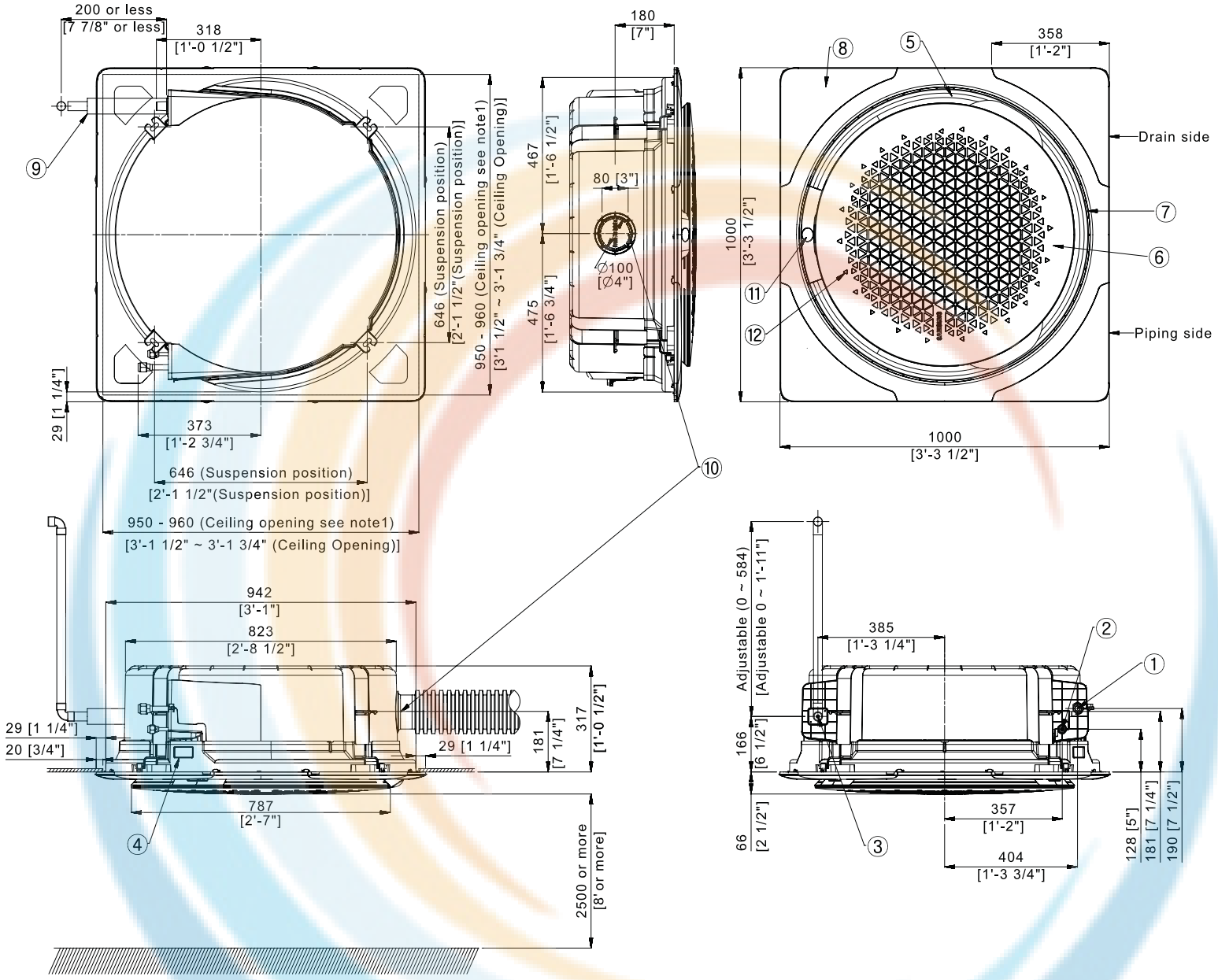
SAMSUNG

SUBMITTAL AM048KN4DCH/AA

Samsung DVM S Series, 360 Cassette

Dimensional Drawing With Ceiling 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

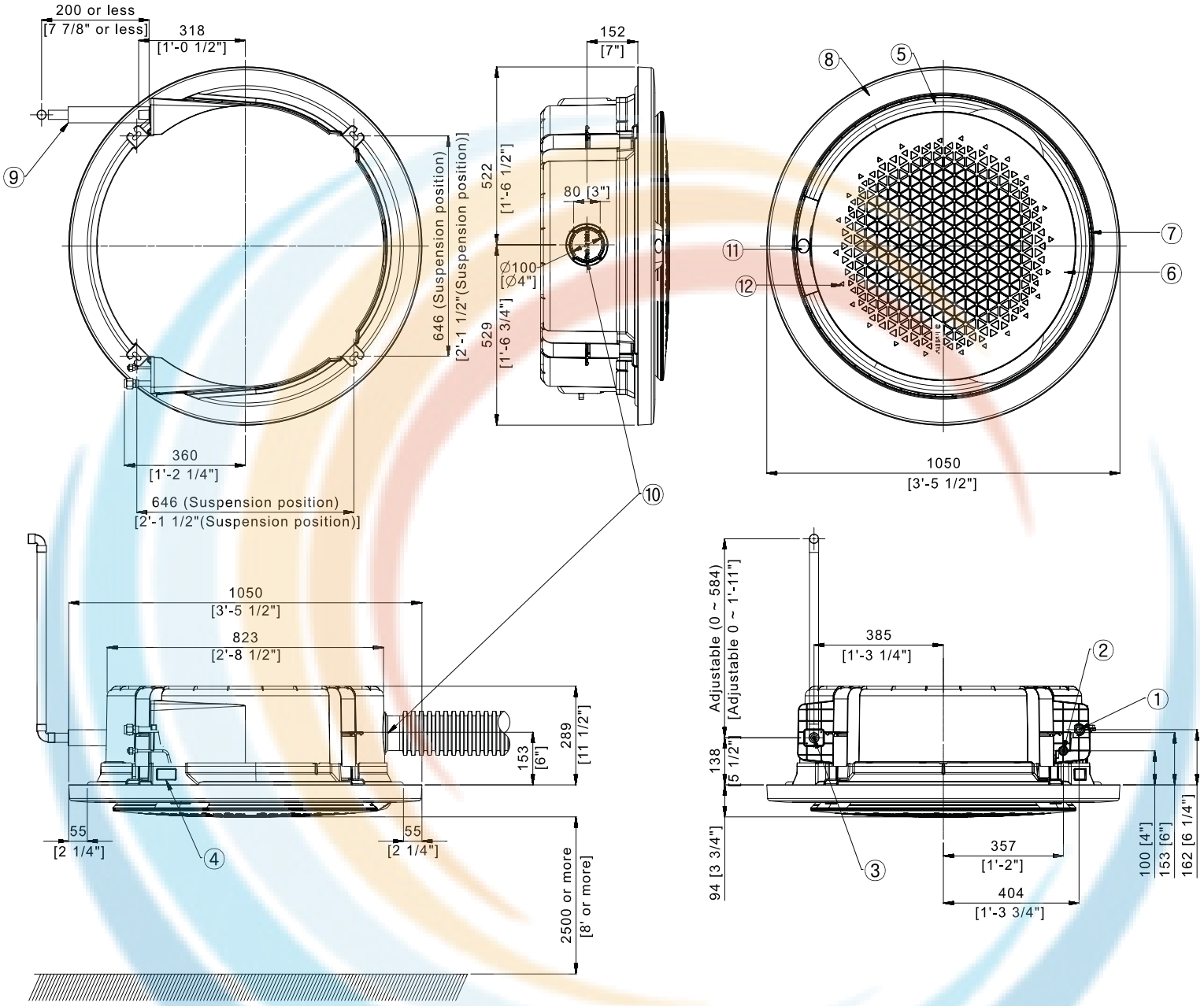
SAMSUNG

SUBMITTAL AM048KN4DCH/AA

Samsung DVM S Series, 360 Cassette

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