360 Cassette

Features & Benefits

360 Cassette

All round cooling and comfort

The Samsung 360 Cassette air conditioner offers a brand new way of staying comfortably cool in every corner of the room. Its innovative circular design not only means it perfectly fits in everywhere, adding a sophisticated look to many different sites, but it also blows cool air in all directions, so that the whole room is the same temperature*. And its bladeless outlet ensures that cool air is gently dispersed, without creating a cold draft**, and doesn't block the air flow, even at low angles, so it expels 25% more air* and spreads it farther.

EVENLY CIRCULATES & COOLS EVERY CORNER

Unike 4-way, cassette type air conditioners that create areas of uneven airflow where cool air can't reach*, a circular outlet blows cool air in all directions, so every corner of a room is the same temperature**.

* Samsung testing compared to a general 4 way cassette type air conditioner.

** Within an 9.3m radius the temperature difference is less than 0.6°C.

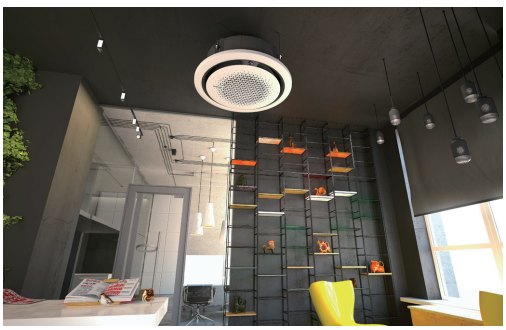
Comfortably cool, not cold

A bladeless design softly disperses cool air across the room, making you comfortably cool without feeling a cold draft**. With no blades to block the air flow, it also expels 25% more air* and spreads it farther.

* Within a 5m radius, no cold draft between 0~1.5m in height (with 14.0kw).

Circular to perfectly fit in everywhere

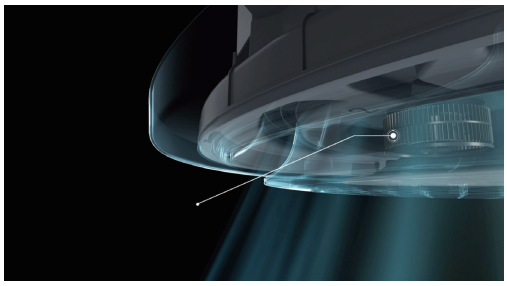
Its innovative circular design can match a multitude of interior designs, so it perfectly fits in everywhere. Its minimalist modern styling creates a sophisticated look and its circular shape stands out beautifully.



* Within an 9.3m radius the temperature difference is less than 0.6°C.

Spreads more air in more ways

An innovative Booster Fan enables cool air to be expelled at much lower angles. It creates a low pressure area around the outlet, so that cool air comes out parallel to the ceiling and disperses across a wider area.



All round simpler & intuitive control

Intuitively control its performance and see where the air is going. The Wireless Remote Controller's* Jog shuttle and button offer a fun way to adjust the air flow and a Circular LED Display shows its direction.

*Optional

1. Specification

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System	Model Name	Indoor Unit			AC071RN4PKG/EU	AC100RN4PKG/EU	AC100RN4PKG/EU	AC120RN4PKG/EU
		Outdoor Unit			AC071RXADKG/EU	AC100RXADKG/EU	AC100RXADNG/EU	AC120RXADKG/EU
	Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1.50 / 7.10 / 8.70	3.0 / 10.0 / 12.0	3.0 / 10.0 / 12.0	3.5 / 12.0 / 13.5
				Btu/h	5,120 / 24,230 / 29,680	10,240 / 34,120 / 41,000	10,240 / 34,120 / 41,000	11,940 / 41,000 / 46,100
			Heating	kW	1.90 / 8.00 / 9.00	2.2 / 11.2 / 15.5	2.2 / 11.2 / 15.5	3.5 / 13.2 / 15.5
				Btu/h	6,480 / 27,300 / 30,710	7,500 / 38,210 / 52,900	7,500 / 38,210 / 52,900	11,940 / 45,040 / 52,900
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.35 / 2.73 / 3.60	0.60 / 3.24 / 4.70	0.60 / 3.20 / 4.70	0.90 / 4.45 / 5.30
			Heating	kW	0.35 / 2.48 / 3.95	0.46 / 3.20 / 5.40	0.46 / 3.15 / 5.40	0.75 / 4.05 / 5.60
		Current Input (Min/Std/Max)	Cooling	A	2.0 / 11.8 / 16.0	3.0 / 14.4 / 20.4	1.5 / 5.1 / 7.1	4.3 / 19.5 / 24.0
			Heating	A	2.0 / 10.7 / 17.0	2.5 / 14.2 / 23.0	1.2 / 5.0 / 8.4	3.7 / 17.7 / 26.0
		Current	MCA	A	18.0	25.5	17.6	25.5
			MFA	A	20.6	30.0	17.6	30.0
	Efficiency	EER	Cooling	-	2.60	3.08	3.12	2.69
		COP	Heating	-	3.23	3.50	3.55	3.26
		SEER (Cooling Energy Grade)		-	6.7 (A++)	6.8 (A++)	6.8 (A++)	6.0 (A+)
		SCOP (Heating Energy Grade)		-	4.2 (A+)	4.3 (A+)	4.3 (A+)	4.0 (A+)
		Pdesignh		kW	4.5	5.3	5.3	6.5
	Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection	Flare connection
				Φ, mm (inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas Pipe		Type	Flare connection	Flare connection	Flare connection	Flare connection
				Φ, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
		Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
		Piping length (ODU-IDU)	Standard	m	5	5	5	5
			Max.	m	50	50	50	50
			Elevation	m	30	30	30	30
			Chargeless	m	15	30	30	30
	Wiring connections	Communication	Min.	mm^2	0.75	0.75	0.75	0.75
			Remark	-	F1, F2	F1, F2	F1, F2	F1, F2
	Refrigerant	Type		-	R32	R32	R32	R32
		Factory Charging		kg	1.7	2.7	2.7	2.7
				tCO_2e	1.15	1.82	1.82	1.82
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
	Heat Exchanger	Type		-	F&T	F&T	F&T	F&T
		Material	Fin	-	Al	Al	Al	Al
			Tube	-	Cu	Cu	Cu	Cu
		Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile	Green Hydrophile
	Fan	Type		-	Turbo Fan	Turbo	Turbo	Turbo
		Quantity		EA	1	1	1	1
		Air Flow Rate	Cooling (H/M/L)	m^3/min	17.5 / 15.9 / 14.3	31.2 / 25.5 / 19.8	31.2 / 25.5 / 19.8	32.5 / 25.5 / 19.8
				l/s	291.6 / 265 / 238.3	520 / 425 / 330	520 / 425 / 330	542 / 425 / 330
			Heating (H/M/L)	m^3/min	17.5 / 15.9 / 14.3	31.2 / 25.5 / 19.8	31.2 / 25.5 / 19.8	32.5 / 25.5 / 19.8
				l/s	291.6 / 265 / 238.3	520 / 425 / 330	520 / 425 / 330	542 / 425 / 330
	Fan Motor	Type		-	BLDC	BLDC	BLDC	BLDC
		Output		W x n	65	97 x 1	97 x 1	97 x 1

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Indoor Unit	Model Name	Indoor Unit			AC071RN4PKG/EU	AC100RN4PKG/EU	AC100RN4PKG/EU	AC120RN4PKG/EU
		Outdoor Unit			AC071RXADKG/EU	AC100RXADKG/EU	AC100RXADNG/EU	AC120RXADKG/EU
	Drain	Drain Pipe		Φ, mm	VP-25(OD32, ID25)	VP-25(OD32, ID25)	VP-25(OD32, ID25)	VP-25(OD32, ID25)
	Sound	Sound Pressure Level	High/Mid/ Low/(Silent)	dB(A)	36 / 33 / 29	44 / 39 / 33	44 / 39 / 33	45 / 40 / 35
		Sound Power Level		dB(A)	53	61	61	61
	External Dimension	Net Weight		kg	20.2	23.5	23.5	23.5
		Shipping Weight		kg	24.5	28.3	28.3	28.3
		Net Dimensions (WxHxD)		mm	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
		Shipping Dimensions (WxHxD)		mm	990 x 330 x 990	990 x 414 x 990	990 x 414 x 990	990 x 414 x 990
	Casing	Material		-	HIPS	HIPS	HIPS	HIPS
	Panel (1)	Model Name		-	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
		Type		-	Ceiling Type(Sqare)	Ceiling Type(Sqare)	Ceiling Type(Sqare)	Ceiling Type(Sqare)
		Material		-	HIPS	HIPS	HIPS	HIPS
		Color		-	White	White	White	White
		Net Weight		kg	3.6	3.6	3.6	3.6
		Shipping Weight		kg	6.3	6.3	6.3	6.3
		Net Dimensions (WxHxD)		mm	1000 x 66 x 1000	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000
		Shipping Dimensions (WxHxD)		mm	1093 x 85 x 1083	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083
	Panel (2)	Model Name		-	PC4NBDMAN	PC4NBDMAN	PC4NBDMAN	PC4NBDMAN
		Type		-	Ceiling Type(Sqare)	Ceiling Type(Sqare)	Ceiling Type(Sqare)	Ceiling Type(Sqare)
		Material		-	HIPS	HIPS	HIPS	HIPS
		Color		-	Black	Black	Black	Black
		Net Weight		kg	3.6	3.6	3.6	3.6
		Shipping Weight		kg	6.3	6.3	6.3	6.3
		Net Dimensions (WxHxD)		mm	1000 x 66 x 1000	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000
		Shipping Dimensions (WxHxD)		mm	1093 x 85 x 1083	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083
	Panel (3)	Model Name		-	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN
		Type		-	Open Type(Circle)	Open Type(Circle)	Open Type(Circle)	Open Type(Circle)
		Material		-	HIPS	HIPS	HIPS	HIPS
		Color		-	White	White	White	White
		Net Weight		kg	2.7	2.7	2.7	2.7
		Shipping Weight		kg	5.3	5.3	5.3	5.3
		Net Dimensions (WxHxD)		mm	1050 x 66 x 1050	1,050 x 66 x 1,050	1,050 x 66 x 1,050	1,050 x 66 x 1,050
		Shipping Dimensions (WxHxD)		mm	1093 x 85 x 1083	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083
	Panel (4)	Model Name		-	PC4NBNMAN	PC4NBNMAN	PC4NBNMAN	PC4NBNMAN
		Type		-	Open Type(Circle)	Open Type(Circle)	Open Type(Circle)	Open Type(Circle)
		Material		-	HIPS	HIPS	HIPS	HIPS
		Color		-	Black	Black	Black	Black
		Net Weight		kg	2.7	2.7	2.7	2.7
		Shipping Weight		kg	5.3	5.3	5.3	5.3
		Net Dimensions (WxHxD)		mm	1050 x 66 x 1050	1,050 x 66 x 1,050	1,050 x 66 x 1,050	1,050 x 66 x 1,050
		Shipping Dimensions (WxHxD)		mm	1093 x 85 x 1083	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083
	Control System	Infrared remote control		-	AR-EH03E	AR-EH03E	AR-EH03E	AR-EH03E
		Wired remote control		-	MWR-WE13N MWR-WG00*N	MWR-WE13N MWR-WG00*N	MWR-WE13N MWR-WG00*N	MWR-WE13N MWR-WG00*N
	Drain Pump	Drain Pump		-	Included	Included	Included	Included
		Max. lifting Height / Displacement		mm / Liter / h	750/24	750/24	750/24	750/24
	Additional Accessories	Drain Pump	External Model	-	-	-	-	-
			Internal Model	-	-	-	-	-
			Max. lifting Height / Displacement	mm / Liter / h	-	-	-	-
		Air Filter		-	Removable / Washable	Removable / Washable	Removable / Washable	Removable / Washable
		Virus Doctor		-	Option	Option	Option	Option

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Outdoor Unit	Model Name	Indoor Unit			AC071RN4PKG/EU	AC100RN4PKG/EU	AC100RN4PKG/EU	AC120RN4PKG/EU
		Outdoor Unit			AC071RXADKG/EU	AC100RXADKG/EU	AC100RXADNG/EU	AC120RXADKG/EU
	Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	3, 4, 380-415, 50	1, 2, 220-240, 50
	Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
		Material	Fin	-	Al	Al	Al	Al
			Tube	-	Cu	Cu	Cu	Cu
		Fin Treatment		-	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion
	Compressor	Model Name			UB4TN8200FE4	UB8TN8300FJU	UB8TN8300FJU	UB5TN5450FJX
		Type		-	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
		Output		kW	1.89	2.91	2.91	4.25
		Oil	Type	-	POE	POE	POE	POE
			Initial charge	cc	320	1,200	1,200	1,700
	Fan	Type		-	Propeller	Propeller	Propeller	Propeller
		Discharge direction		-	Front	Front	Front	Front
		Quantity		EA	1	1	1	1
		Air Flow Rate		m^3/min	51	72	72	72
				l/s	650	1,200	1,200	1,200
	Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
		Output		W x n	125 x 1	125 x 1	125 x 1	125 x 1
	Sound	Sound Pressure Level	Cooling	dB(A)	49	52	52	54
			Heating	dB(A)	51	54	54	56
		Sound Power Level		dB(A)	65	69	69	70
	External Dimension	Net Weight		kg	51.0	75.0	74.0	81.0
		Shipping Weight		kg	55.0	80.0	79.0	86.0
		Net Dimensions (WxHxD)		mm	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330
		Shipping Dimensions (WxHxD)		mm	1,023 x 896 x 413	995 x 1,096 x 426	995 x 1,096 x 426	995 x 1,096 x 426
	Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
	Operating Temp. Range	Cooling		℃	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
		Heating		℃	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

NOTE

- Specification may be subject to change without prior notice.
  1) Performances are based on the following test conditions.
     - Cooling : Indoor temperature 27°C DB, 19°C WB, Outdoor temperature 35°C DB, 24°C WB
     - Heating : Indoor temperature 20°C DB, 15°C WB, Outdoor temperature 7°C DB, 6°C WB
     - Equivalent refrigerant pipe length 5m, Level differences 0m
  2) Select wire size based on the value of MCA
  3) Sound pressure level is obtained in an anechoic room.
     - Sound pressure level is a relative value, depending on the distance and acoustic environment.
     - Sound pressure level may differ depending on operation condition.
     - dBA = A-weighted sound pressure level
     - Reference acoustic pressure 0 dB = 20uPa
  4) Sound power level is an absolute value that a sound source generates.
     - dBA = A-weighted sound power level
     - Reference power : 1pW
     - Measured according to ISO 3741
  5) These products contain R32(GWP=675) which is fluorinated greenhouse gas.
  6) 'MWR-WG00*N' is new wired remote control type(Graphic).
     If you need the latest control system information, please refer to SAC control TDB.

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System	Model Name	Indoor Unit			AC120RN4PKG/EU	AC140RN4PKG/EU	AC140RN4PKG/EU
		Outdoor Unit			AC120RXADNG/EU	AC140RXADKG/EU	AC140RXADNG/EU
	Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
	Performance	Capacity (Min/Std/Max)	Cooling	kW	3.5 / 12.0 / 13.5	3.5 / 13.4 / 15.5	3.5 / 13.4 / 15.5
				Btu/h	11,940 / 41,000 / 46,100	11,940 / 45,720 / 52,900	11,940 / 45,720 / 52,900
			Heating	kW	3.5 / 13.2 / 15.5	3.5 / 15.5 / 18.0	3.5 / 15.5 / 18.0
				Btu/h	11,940 / 45,040 / 52,900	11,940 / 52,900 / 61,420	11,940 / 52,900 / 61,420
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.90 / 4.45 / 5.50	0.80 / 4.76 / 6.45	0.80 / 4.68 / 6.60
			Heating	kW	0.75 / 4.05 / 6.40	0.70 / 4.62 / 7.36	0.70 / 4.54 / 7.50
		Current Input (Min/Std/Max)	Cooling	A	2.1 / 6.9 / 10.0	3.7 / 20.6 / 28.0	2.1 / 7.3 / 10.5
			Heating	A	2.1 / 6.3 / 12.0	3.5 / 20.0 / 32.0	1.9 / 7.1 / 12.0
		Current	MCA	A	17.6	33.5	17.6
			MFA	A	17.6	40.0	17.6
	Efficiency	EER	Cooling	-	2.69	2.81	2.86
		COP	Heating	-	3.26	3.35	3.41
		SEER (Cooling Energy Grade)		-	6.0 (A+)	6.4 (-)	6.4 (-)
		SCOP (Heating Energy Grade)		-	4.0 (A+)	4.1 (-)	4.1 (-)
		Pdesignh		kW	6.5	8.4	8.4
	Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
				Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
		Gas Pipe		Type	Flare connection	Flare connection	Flare connection
				Φ, mm (inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
		Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
		Piping length (ODU-IDU)	Standard	m	5	5	5
			Max.	m	50	75	75
			Elevation	m	30	30	30
			Chargeless	m	30	30	30
	Wiring connections	Communication	Min.	mm^2	0.75	0.75	0.75
			Remark	-	F1, F2	F1, F2	F1, F2
	Refrigerant	Type		-	R32	R32	R32
		Factory Charging		kg	2.7	2.9	2.9
				tCO_2e	1.82	1.96	1.96
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
	Heat Exchanger	Type		-	F&T	F&T	F&T
		Material	Fin	-	Al	Al	Al
			Tube	-	Cu	Cu	Cu
		Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
	Fan	Type		-	Turbo	Turbo	Turbo
		Quantity		EA	1	1	1
		Air Flow Rate	Cooling (H/M/L)	m^3/min	32.5 / 25.5 / 19.8	32.4 / 27.1 / 22.8	32.4 / 27.1 / 22.8
				l/s	542 / 425 / 330	540 / 452 / 380	540 / 452 / 380
			Heating (H/M/L)	m^3/min	32.5 / 25.5 / 19.8	32.4 / 27.1 / 22.8	32.4 / 27.1 / 22.8
				l/s	542 / 425 / 330	540 / 452 / 380	540 / 452 / 380
	Fan Motor	Type		-	BLDC	BLDC	BLDC
		Output		W x n	97 x 1	97 x 1	97 x 1

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Indoor Unit	Model Name	Indoor Unit			AC120RN4PKG/EU	AC140RN4PKG/EU	AC140RN4PKG/EU
		Outdoor Unit			AC120RXADNG/EU	AC140RXADKG/EU	AC140RXADNG/EU
	Drain	Drain Pipe		Φ, mm	VP-25(OD32, ID25)	VP-25(OD32, ID25)	VP-25(OD32, ID25)
	Sound	Sound Pressure Level	High/Mid/ Low/(Silent)	dB(A)	45 / 40 / 35	45 / 41 / 37	45 / 41 / 37
		Sound Power Level		dB(A)	61	61	61
	External Dimension	Net Weight		kg	23.5	25.5	25.5
		Shipping Weight		kg	28.3	30.3	30.3
		Net Dimensions (WxHxD)		mm	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
		Shipping Dimensions (WxHxD)		mm	990 x 414 x 990	990 x 414 x 990	990 x 414 x 990
	Casing	Material		-	HIPS	HIPS	HIPS
	Panel (1)	Model Name		-	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
		Type		-	Ceiling Type(Sqare)	Ceiling Type(Sqare)	Ceiling Type(Sqare)
		Material		-	HIPS	HIPS	HIPS
		Color		-	White	White	White
		Net Weight		kg	3.6	3.6	3.6
		Shipping Weight		kg	6.3	6.3	6.3
		Net Dimensions (WxHxD)		mm	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000
		Shipping Dimensions (WxHxD)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083
	Panel (2)	Model Name		-	PC4NBDMAN	PC4NBDMAN	PC4NBDMAN
		Type		-	Ceiling Type(Sqare)	Ceiling Type(Sqare)	Ceiling Type(Sqare)
		Material		-	HIPS	HIPS	HIPS
		Color		-	Black	Black	Black
		Net Weight		kg	3.6	3.6	3.6
		Shipping Weight		kg	6.3	6.3	6.3
		Net Dimensions (WxHxD)		mm	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000
		Shipping Dimensions (WxHxD)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083
	Panel (3)	Model Name		-	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN
		Type		-	Open Type(Circle)	Open Type(Circle)	Open Type(Circle)
		Material		-	HIPS	HIPS	HIPS
		Color		-	White	White	White
		Net Weight		kg	2.7	2.7	2.7
		Shipping Weight		kg	5.3	5.3	5.3
		Net Dimensions (WxHxD)		mm	1,050 x 66 x 1,050	1,050 x 66 x 1,050	1,050 x 66 x 1,050
		Shipping Dimensions (WxHxD)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083
	Panel (4)	Model Name		-	PC4NBNMAN	PC4NBNMAN	PC4NBNMAN
		Type		-	Open Type(Circle)	Open Type(Circle)	Open Type(Circle)
		Material		-	HIPS	HIPS	HIPS
		Color		-	Black	Black	Black
		Net Weight		kg	2.7	2.7	2.7
		Shipping Weight		kg	5.3	5.3	5.3
		Net Dimensions (WxHxD)		mm	1,050 x 66 x 1,050	1,050 x 66 x 1,050	1,050 x 66 x 1,050
		Shipping Dimensions (WxHxD)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083
	Control System	Infrared remote control		-	AR-EH03E	AR-EH03E	AR-EH03E
		Wired remote control		-	MWR-WE13N MWR-WG00*N	MWR-WE13N MWR-WG00*N	MWR-WE13N MWR-WG00*N
	Drain Pump	Drain Pump		-	Included	Included	Included
		Max. lifting Height / Displacement		mm / Liter / h	750/24	750/24	750/24
	Additional Accessories	Drain Pump	External Model	-	-	-	-
			Internal Model	-	-	-	-
			Max. lifting Height / Displacement	mm / Liter / h	-	-	-
		Air Filter		-	Removable / Washable	Removable / Washable	Removable / Washable
		Virus Doctor		-	Option	Option	Option

1. Specification

360 Cassette

Outdoor Unit	Model Name	Indoor Unit			AC120RN4PKG/EU	AC140RN4PKG/EU	AC140RN4PKG/EU
		Outdoor Unit			AC120RXADNG/EU	AC140RXADKG/EU	AC140RXADNG/EU
	Power Supply			Ø, #, V, Hz	3, 4, 380-415, 50	1, 2, 220-240, 50	3, 4, 380-415, 50
	Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
		Material	Fin	-	Al	Al	Al
			Tube	-	Cu	Cu	Cu
		Fin Treatment		-	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion
	Compressor	Model Name			UB5TN5450FJX	UB5TN5450FJX	UB5TN5450FJX
		Type		-	Twin BLDC	Twin BLDC	Twin BLDC
		Output		kW	4.25	4.25	4.25
		Oil	Type	-	POE	POE	POE
			Initial charge	cc	1,700	1,700	1,700
	Fan	Type		-	Propeller	Propeller	Propeller
		Discharge direction		-	Front	Front	Front
		Quantity		EA	1	2	2
		Air Flow Rate		m³/min	72	110	110
				l/s	1,200	1,833	1,833
	Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
		Output		W x n	125 x 1	125 x 2	125 x 2
	Sound	Sound Pressure Level	Cooling	dB(A)	54	53	53
			Heating	dB(A)	56	54	54
		Sound Power Level		dB(A)	70	69	69
	External Dimension	Net Weight		kg	80.0	91.5	90.5
		Shipping Weight		kg	85.0	100.0	99.0
		Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 1,210 x 330	940 x 1,210 x 330
		Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426	995 x 1,388 x 426	995 x 1,388 x 426
	Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
	Operating Temp. Range	Cooling		℃	-15 ~ 50	-15 ~ 50	-15 ~ 50
		Heating		℃	-20 ~ 24	-20 ~ 24	-20 ~ 24

NOTE

- Specification may be subject to change without prior notice.
  1) Performances are based on the following test conditions.
     - Cooling : Indoor temperature 27°C DB, 19°C WB, Outdoor temperature 35°C DB, 24°C WB
     - Heating : Indoor temperature 20°C DB, 15°C WB, Outdoor temperature 7°C DB, 6°C WB
     - Equivalent refrigerant pipe length 5m, Level differences 0m
  2) Select wire size based on the value of MCA
  3) Sound pressure level is obtained in an anechoic room.
     - Sound pressure level is a relative value, depending on the distance and acoustic environment.
     - Sound pressure level may differ depending on operation condition.
     - dBA = A-weighted sound pressure level
     - Reference acoustic pressure 0 dB = 20uPa
  4) Sound power level is an absolute value that a sound source generates.
     - dBA = A-weighted sound power level
     - Reference power : 1pW
     - Measured according to ISO 3741
  5) These products contain R32(GWP=675) which is fluorinated greenhouse gas.
  6) 'MWR-WG00*N' is new wired remote control type(Graphic).
     If you need the latest control system information, please refer to SAC control TDB.

2. Summary Table

360 Cassette

Performance Characteristics

Model Code	Net Weight (kg)		Capacity		Fan Speed	Airflow (CMM)	Sound Pressure Level (dBA)	Sound Power Level (dBA)
			Cooling (kW)	Heating (kW)				
AC071RN4PKG/EU	20.2	Max.	8.70	9.00	High	17.5	36	53
		Std.	7.10	8.00	Mid	15.9	33	
		Min.	1.50	1.90	Low	14.3	29	
AC100RN4PKG/EU	23.5	Max.	12.00	15.50	High	31.2	44	61
		Std.	10.00	11.20	Mid	25.5	39	
		Min.	3.00	2.20	Low	19.8	33	
AC120RN4PKG/EU	23.5	Max.	13.50	15.50	High	32.5	45	61
		Std.	12.00	13.20	Mid	25.5	40	
		Min.	3.50	3.50	Low	19.8	35	
AC140RN4PKG/EU	25.5	Max.	15.50	18.00	High	32.4	45	61
		Std.	13.40	15.50	Mid	27.1	41	
		Min.	3.50	3.50	Low	22.8	37	

NOTE

- Sound data is based on cooling operation.

Electric Characteristics

Model		Outdoor Unit				Input Current (Amperes)				Power Supply	
Indoor Unit	Outdoor Unit	Rated	Voltage range			Outdoor Unit		Indoor Unit	Total	MCA(A)	MFA(A)
		Hz	Volts	Min.	Max.	Cooling	Heating				
AC071RN4PKG/EU	AC071RXADKG/EU	50	220 to 240	198	264	16.5	16.5	1.5	18.0	18.0	20.6
AC100RN4PKG/EU	AC100RXADKG/EU	50	220 to 240	198	264	24.5	24.5	1.0	25.5	25.5	30.0
AC100RN4PKG/EU	AC100RXADNG/EU	50	380 to 415	342	456.5	16.6	16.6	1.0	17.6	17.6	17.6
AC120RN4PKG/EU	AC120RXADKG/EU	50	220 to 240	198	264	24.5	24.5	1.0	25.5	25.5	30.0
AC120RN4PKG/EU	AC120RXADNG/EU	50	380 to 415	342	456.5	16.6	16.6	1.0	17.6	17.6	17.6
AC140RN4PKG/EU	AC140RXADKG/EU	50	220 to 240	198	264	32.5	32.5	1.0	33.5	33.5	40.0
AC140RN4PKG/EU	AC140RXADNG/EU	50	380 to 415	342	456.5	16.6	16.6	1.0	17.6	17.6	17.6

NOTE

- MCA : Minimum circuit amperes
- MFA : Maximum fuse amperes
- Select wire size based on the value of MCA

3. Capacity Table

360 Cassette

(1) AC071RN4PKG/EU+AC071RXADKG/EU

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	6.9	5.1	1.95	7.3	5.3	1.99	7.6	5.5	2.03	7.8	5.6	2.07	8.0	5.6	2.10	8.4	5.5	2.12	8.8	5.4	2.16
21	6.6	4.9	2.06	6.9	5.0	2.10	7.2	5.2	2.14	7.5	5.4	2.18	7.6	5.3	2.21	8.0	5.2	2.23	8.4	5.1	2.27
35	6.3	4.7	2.57	6.6	4.8	2.62	6.9	4.9	2.68	7.1	5.1	2.73	7.2	5.0	2.76	7.6	5.0	2.78	8.0	4.9	2.84
46	5.3	4.4	2.31	5.6	4.5	2.36	5.9	4.7	2.41	6.0	4.8	2.46	6.2	4.8	2.48	6.5	4.7	2.51	6.8	4.6	2.56
50	4.1	3.5	2.06	4.3	3.6	2.10	4.5	3.7	2.14	4.6	3.8	2.18	4.7	3.8	2.21	4.9	3.8	2.23	5.2	3.7	2.27

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB)											
	16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	5.6	3.29	5.6	3.26	5.5	3.22	5.5	3.19	5.4	3.16	5.4	3.13
-15	7.1	3.79	7.0	3.76	7.0	3.72	6.9	3.68	6.8	3.65	6.8	3.61
-5	8.0	3.54	7.9	3.51	7.8	3.47	7.8	3.44	7.7	3.40	7.6	3.37
0	8.3	3.04	8.2	3.01	8.2	2.98	8.1	2.95	8.0	2.92	7.9	2.89
7	8.2	2.53	8.1	2.50	8.0	2.48	7.9	2.46	7.8	2.43	7.8	2.41
24	10.6	2.91	10.5	2.88	10.4	2.85	10.3	2.82	10.2	2.80	10.1	2.77

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

360 Cassette

(2) AC100RN4PKG/EU+AC100RXADKG/EU

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	9.8	7.8	2.32	10.3	8.1	2.36	10.7	8.3	2.41	11.0	8.6	2.46	11.2	8.5	2.49	11.8	8.4	2.51	12.4	8.3	2.56
21	9.3	7.5	2.44	9.8	7.7	2.49	10.2	7.9	2.54	10.5	8.2	2.59	10.7	8.1	2.62	11.2	8.0	2.64	11.8	7.9	2.70
35	8.8	7.1	3.05	9.3	7.3	3.11	9.7	7.6	3.18	10.0	7.8	3.24	10.2	7.7	3.27	10.7	7.6	3.30	11.2	7.5	3.37
46	7.5	6.5	3.20	7.9	6.7	3.27	8.2	6.9	3.33	8.5	7.1	3.40	8.7	7.1	3.44	9.1	7.0	3.47	9.6	6.8	3.54
50	5.8	5.1	2.65	6.1	5.3	2.71	6.3	5.4	2.76	6.5	5.6	2.82	6.6	5.5	2.85	7.0	5.5	2.88	7.3	5.4	2.93

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB)											
	16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	7.9	4.24	7.8	4.20	7.7	4.16	7.7	4.12	7.6	4.08	7.5	4.04
-15	9.9	4.57	9.8	4.52	9.7	4.48	9.6	4.44	9.6	4.39	9.5	4.35
-5	11.2	4.90	11.1	4.85	11.0	4.80	10.9	4.75	10.8	4.70	10.7	4.66
0	11.7	3.92	11.5	3.88	11.4	3.84	11.3	3.80	11.2	3.76	11.1	3.73
7	11.4	3.26	11.3	3.23	11.2	3.20	11.1	3.17	11.0	3.14	10.9	3.10
24	14.9	3.75	14.7	3.72	14.6	3.68	14.4	3.64	14.3	3.61	14.1	3.57

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

360 Cassette

(3) AC100RN4PKG/EU+AC100RXADNG/EU

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	9.8	7.8	2.29	10.3	8.1	2.34	10.7	8.3	2.38	11.0	8.6	2.43	11.2	8.5	2.46	11.8	8.4	2.48	12.4	8.3	2.53
21	9.3	7.5	2.41	9.8	7.7	2.46	10.2	7.9	2.51	10.5	8.2	2.56	10.7	8.1	2.59	11.2	8.0	2.61	11.8	7.9	2.66
35	8.8	7.1	3.01	9.3	7.3	3.07	9.7	7.6	3.14	10.0	7.8	3.20	10.2	7.7	3.23	10.7	7.6	3.26	11.2	7.5	3.33
46	7.8	6.9	3.31	8.2	7.1	3.38	8.5	7.3	3.45	8.8	7.5	3.52	9.0	7.4	3.56	9.4	7.4	3.59	9.9	7.2	3.66
50	6.4	5.8	2.95	6.7	6.0	3.01	7.0	6.1	3.07	7.2	6.3	3.14	7.3	6.3	3.17	7.7	6.2	3.20	8.1	6.1	3.26

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB)											
	16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	7.9	4.18	7.8	4.14	7.7	4.10	7.7	4.05	7.6	4.01	7.5	3.97
-15	9.9	4.50	9.8	4.45	9.7	4.41	9.6	4.37	9.6	4.32	9.5	4.28
-5	11.2	4.82	11.1	4.77	11.0	4.73	10.9	4.68	10.8	4.63	10.7	4.58
0	11.7	3.86	11.5	3.82	11.4	3.78	11.3	3.74	11.2	3.70	11.1	3.67
7	11.4	3.21	11.3	3.18	11.2	3.15	11.1	3.12	11.0	3.09	10.9	3.06
24	14.9	3.70	14.7	3.66	14.6	3.62	14.4	3.59	14.3	3.55	14.1	3.51

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

360 Cassette

(4) AC120RN4PKG/EU+AC120RXADKG/EU

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	11.7	9.1	3.18	12.3	9.3	3.25	12.8	9.6	3.31	13.2	9.9	3.38	13.5	9.8	3.42	14.2	9.7	3.45	14.9	9.5	3.52
21	11.1	8.6	3.35	11.7	8.9	3.42	12.2	9.2	3.49	12.6	9.5	3.56	12.9	9.4	3.60	13.5	9.3	3.63	14.2	9.1	3.70
35	10.6	8.2	4.19	11.2	8.5	4.27	11.6	8.7	4.36	12.0	9.0	4.45	12.2	8.9	4.49	12.9	8.8	4.54	13.5	8.6	4.63
46	9.0	7.7	3.77	9.5	7.9	3.85	9.9	8.1	3.92	10.2	8.4	4.01	10.4	8.3	4.05	10.9	8.2	4.09	11.5	8.1	4.17
50	6.9	6.1	3.35	7.3	6.2	3.42	7.6	6.4	3.49	7.8	6.6	3.56	8.0	6.6	3.60	8.4	6.5	3.63	8.8	6.4	3.70

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB)											
	16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	9.3	5.37	9.2	5.32	9.1	5.27	9.0	5.21	8.9	5.16	8.8	5.11
-15	11.7	5.78	11.6	5.73	11.5	5.67	11.4	5.61	11.3	5.56	11.1	5.50
-5	13.2	5.99	13.1	5.93	12.9	5.87	12.8	5.81	12.7	5.76	12.6	5.70
0	13.7	4.96	13.6	4.91	13.5	4.86	13.3	4.81	13.2	4.76	13.1	4.72
7	13.5	4.13	13.3	4.09	13.2	4.05	13.1	4.01	12.9	3.97	12.8	3.93
24	17.5	4.75	17.3	4.70	17.2	4.66	17.0	4.61	16.8	4.56	16.7	4.52

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

360 Cassette

(5) AC120RN4PKG/EU+AC120RXADNG/EU

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	11.7	9.1	3.18	12.3	9.3	3.25	12.8	9.6	3.31	13.2	9.9	3.38	13.5	9.8	3.42	14.2	9.7	3.45	14.9	9.5	3.52
21	11.1	8.6	3.35	11.7	8.9	3.42	12.2	9.2	3.49	12.6	9.5	3.56	12.9	9.4	3.60	13.5	9.3	3.63	14.2	9.1	3.70
35	10.6	8.2	4.19	11.2	8.5	4.27	11.6	8.7	4.36	12.0	9.0	4.45	12.2	8.9	4.49	12.9	8.8	4.54	13.5	8.6	4.63
46	9.0	7.7	3.77	9.5	7.9	3.85	9.9	8.1	3.92	10.2	8.4	4.01	10.4	8.3	4.05	10.9	8.2	4.09	11.5	8.1	4.17
50	6.9	6.1	3.35	7.3	6.2	3.42	7.6	6.4	3.49	7.8	6.6	3.56	8.0	6.6	3.60	8.4	6.5	3.63	8.8	6.4	3.70

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB)											
	16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	9.3	5.37	9.2	5.32	9.1	5.27	9.0	5.21	8.9	5.16	8.8	5.11
-15	11.7	5.78	11.6	5.73	11.5	5.67	11.4	5.61	11.3	5.56	11.1	5.50
-5	13.2	5.99	13.1	5.93	12.9	5.87	12.8	5.81	12.7	5.76	12.6	5.70
0	13.7	4.96	13.6	4.91	13.5	4.86	13.3	4.81	13.2	4.76	13.1	4.72
7	13.5	4.13	13.3	4.09	13.2	4.05	13.1	4.01	12.9	3.97	12.8	3.93
24	17.5	4.75	17.3	4.70	17.2	4.66	17.0	4.61	16.8	4.56	16.7	4.52

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

360 Cassette

(6) AC140RN4PKG/EU+AC140RXADKG/EU

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	13.1	9.7	3.40	13.8	10.0	3.47	14.3	10.3	3.55	14.8	10.6	3.62	15.1	10.5	3.65	15.8	10.4	3.69	16.6	10.2	3.76
21	12.4	9.2	3.58	13.1	9.5	3.66	13.6	9.8	3.73	14.1	10.1	3.81	14.4	10.0	3.85	15.1	9.9	3.88	15.8	9.7	3.96
35	11.9	8.8	4.48	12.5	9.0	4.57	13.0	9.3	4.66	13.4	9.6	4.76	13.7	9.5	4.81	14.4	9.4	4.86	15.1	9.2	4.95
46	10.1	8.3	4.03	10.6	8.6	4.11	11.0	8.8	4.20	11.4	9.1	4.28	11.6	9.0	4.33	12.2	8.9	4.37	12.8	8.7	4.46
50	7.7	6.6	3.58	8.1	6.8	3.66	8.4	7.0	3.73	8.7	7.2	3.81	8.9	7.2	3.85	9.3	7.1	3.88	9.8	6.9	3.96

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB)											
	16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	10.3	5.18	10.2	5.13	10.1	5.08	10.0	5.03	9.9	4.98	9.8	4.93
-15	13.8	6.13	13.6	6.07	13.5	6.01	13.4	5.95	13.2	5.89	13.1	5.83
-5	15.5	6.60	15.3	6.53	15.2	6.47	15.0	6.40	14.9	6.34	14.7	6.28
0	16.1	5.66	16.0	5.60	15.8	5.54	15.7	5.49	15.5	5.43	15.3	5.38
7	15.8	4.71	15.7	4.67	15.5	4.62	15.3	4.57	15.2	4.53	15.0	4.48
24	20.6	5.42	20.4	5.37	20.2	5.31	19.9	5.26	19.7	5.21	19.6	5.16

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

360 Cassette

(7) AC140RN4PKG/EU+AC140RXADNG/EU

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB / WB)																				
	20 / 14			22 / 16			25 / 18			27 / 19			28 / 20			30 / 22			32 / 24		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-15	13.1	9.7	3.35	13.8	10.0	3.42	14.3	10.3	3.49	14.8	10.6	3.56	15.1	10.5	3.59	15.8	10.4	3.63	16.6	10.2	3.70
21	12.4	9.2	3.52	13.1	9.5	3.60	13.6	9.8	3.67	14.1	10.1	3.74	14.4	10.0	3.78	15.1	9.9	3.82	15.8	9.7	3.90
35	11.9	8.8	4.40	12.5	9.0	4.49	13.0	9.3	4.59	13.4	9.6	4.68	13.7	9.5	4.73	14.4	9.4	4.77	15.1	9.2	4.87
46	10.1	8.3	3.96	10.6	8.6	4.05	11.0	8.8	4.13	11.4	9.1	4.21	11.6	9.0	4.25	12.2	8.9	4.30	12.8	8.7	4.38
50	7.7	6.6	3.52	8.1	6.8	3.60	8.4	7.0	3.67	8.7	7.2	3.74	8.9	7.2	3.78	9.3	7.1	3.82	9.8	6.9	3.90

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°C, DB)	Indoor Temperature (°C, DB)											
	16		18		20		21		22		24	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
-20	10.3	5.09	10.2	5.04	10.1	4.99	10.0	4.94	9.9	4.89	9.8	4.85
-15	13.8	6.02	13.6	5.96	13.5	5.90	13.4	5.84	13.2	5.78	13.1	5.73
-5	15.5	6.48	15.3	6.42	15.2	6.36	15.0	6.29	14.9	6.23	14.7	6.17
0	16.1	5.56	16.0	5.50	15.8	5.45	15.7	5.39	15.5	5.34	15.3	5.29
7	15.8	4.63	15.7	4.59	15.5	4.54	15.3	4.49	15.2	4.45	15.0	4.41
24	20.6	5.33	20.4	5.27	20.2	5.22	19.9	5.17	19.7	5.12	19.6	5.07

NOTE

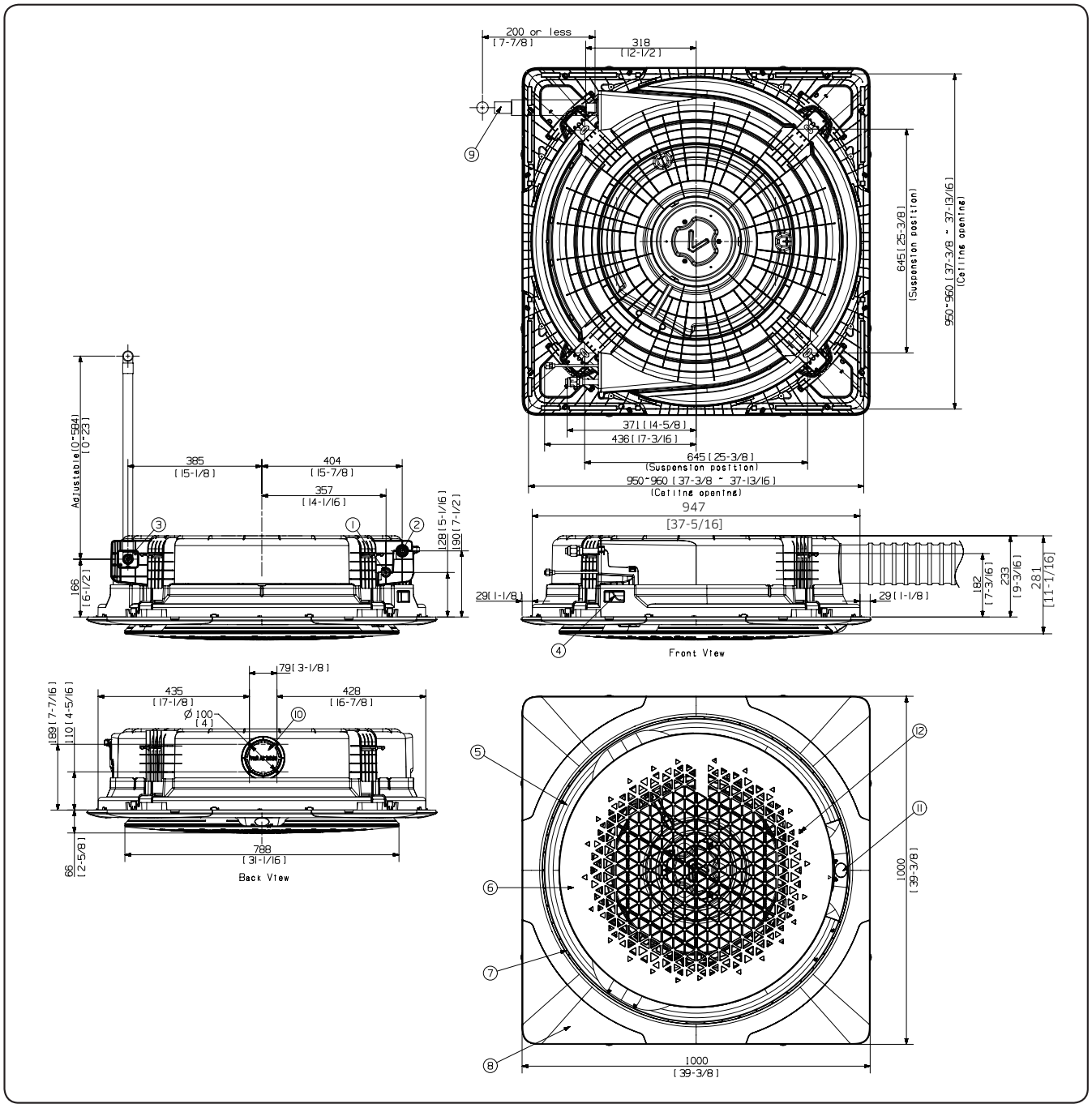
- The performance table shows the average value of each conditions.

4. Dimensional Drawing

360 Cassette (Square)

AC071RN4PKG/EU

Units : mm [inches]



4. Dimensional Drawing

360 Cassette (Square)

No.	Name	Description	No.	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)	7	Suction rim for Booster fan	
2	Gas pipe connection	Φ15.88(5/8)	8	Decoration cover	
3	Drain pipe connection	VP-25(OD32, ID25)	9	Drain hose(Accessory)	
4	Power supply & Communication wiring conduit		10	Fresh air intake knockout hole	Use M4 Screw
5	Air Discharge opening		11	Display window	
6	Air suction grille		12	Remote controller receiver	

NOTE

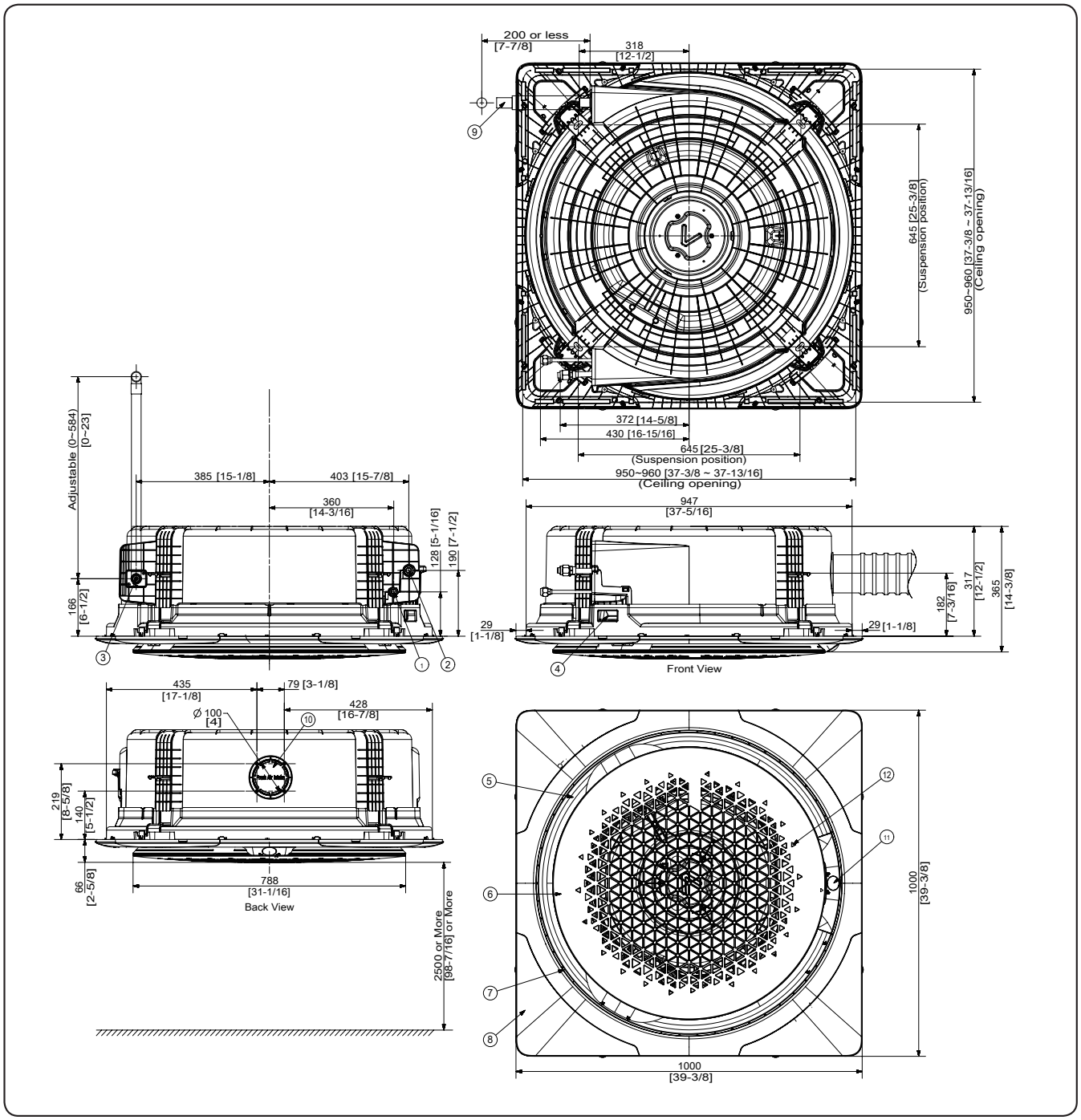
- As for suspension bolt, please use M8 ~ M10. (Procured at local site)
- Make sure the spacing between the ceiling and the cassette is no more than 29mm[1-1/4].
  Max ceiling opening : 960mm[36-13/16].
- When the condition exceed 30°C and RH 80% in the ceiling or fresh air is inducted into the ceiling, and additional insulation is required (polyethylene foam , thickness 10mm[3/8] or more)

4. Dimensional Drawing

360 Cassette (Square)

AC100/120/140RN4PKG/EU

Units : mm [inches]



4. Dimensional Drawing

360 Cassette (Square)

No.	Name	Description	No.	Name	Description
1	Liquid pipe connection	Ø9.52 (3/8)	7	Suction rim for Booster fan	
2	Gas pipe connection	Ø15.88 (5/8)	8	Decoration cover	
3	Drain hose	VP25(OD32, ID25)	9	Drain hose(Accessory)	
4	Power & Communication wiring conduits		10	Fresh air intake knockout hole	
5	Air discharge opening		11	Display window	
6	Air suction grille		12	Remote controller receiver	

NOTE

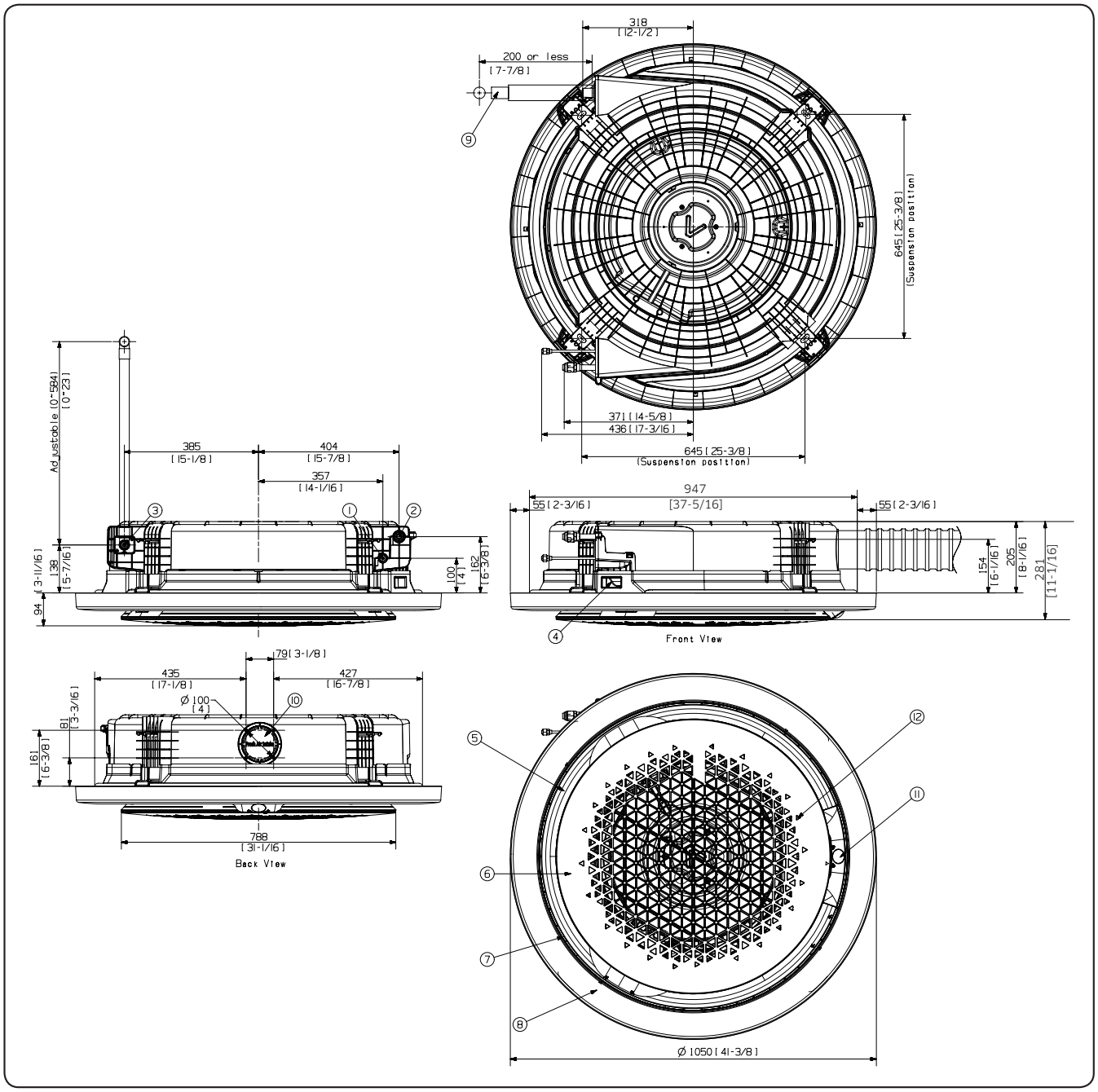
- As for suspension bolt, please use M8 ~ M10. (Procured at local site)
- Make sure the spacing between the ceiling and the cassette is no more than 29mm[1-1/4].
  Max ceiling opening : 960mm[36-13/16].
- When the condition exceed 30°C and RH 80% in the ceiling or fresh air is inducted into the ceiling,
  and additional insulation is required (polyethylene foam , thickness 10mm[3/8] or more)

4. Dimensional Drawing

360 Cassette (Circle)

AC071RN4PKG/EU

Units : mm [inches]



4. Dimensional Drawing

360 Cassette (Circle)

No.	Name	Description	No.	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)	7	Suction rim for Booster fan	
2	Gas pipe connection	Φ15.88(5/8)	8	Decoration cover	
3	Drain pipe connection	VP-25(OD32, ID25)	9	Drain hose(Accessory)	
4	Power supply & Communication wiring conduit		10	Fresh air intake knockout hole	Use M4 Screw
5	Air Discharge opening		11	Display window	
6	Air suction grille		12	Remote controller receiver	

NOTE

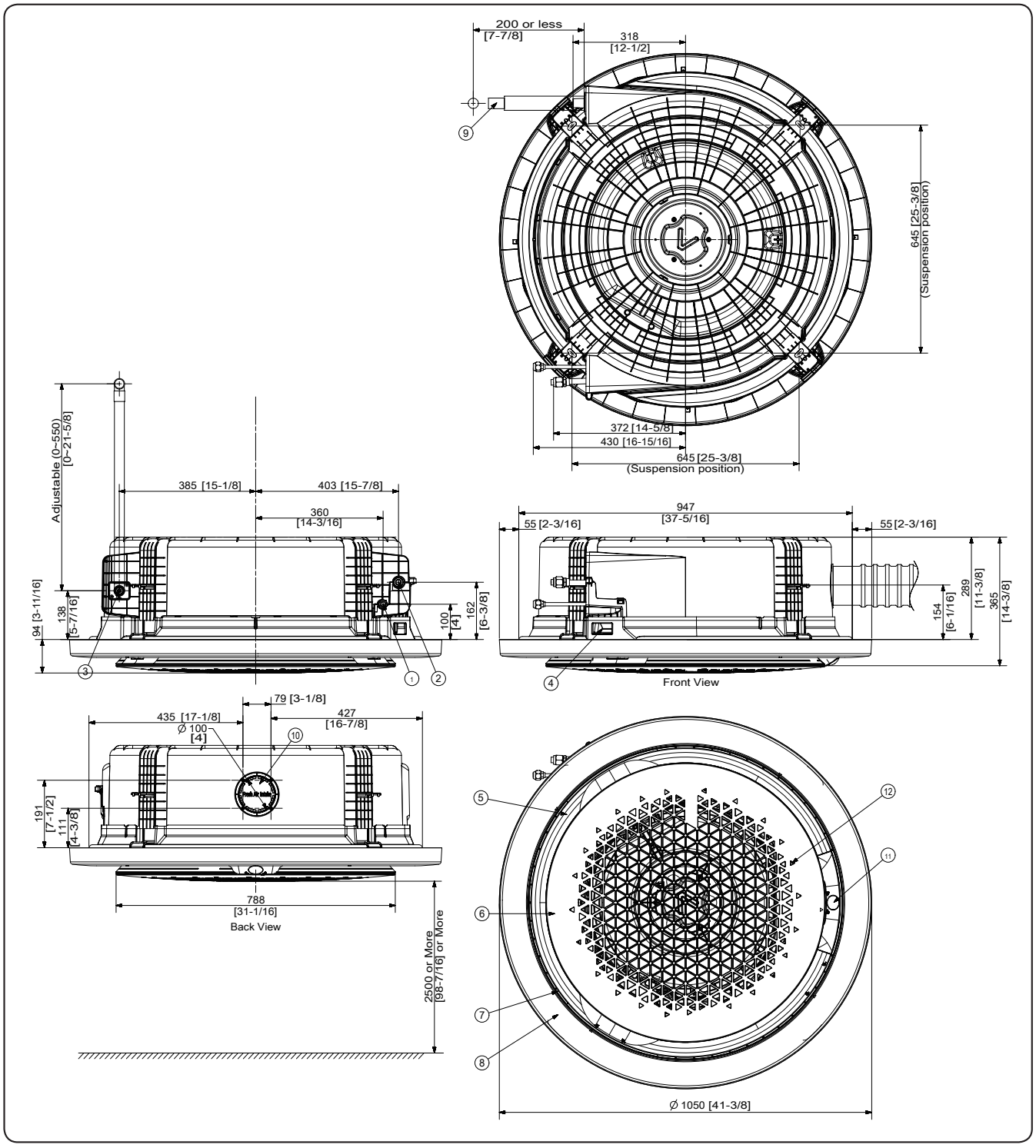
- As for suspension bolt, please use M8 ~ M10. (Procured at local site)
- Make sure the spacing between the ceiling and the cassette is no more than 29mm[1-1/4].
  Max ceiling opening : 960mm[36-13/16].
- When the condition exceed 30°C and RH 80% in the ceiling or fresh air is inducted into the ceiling,
  and additional insulation is required (polyethylene foam , thickness 10mm[3/8] or more)
- The circular panel is by default available in exposed installation.
  Make inspection holes on the ceiling for easier installation and maintenance, as shown in the following table.
  (The size of an inspection hole must be at least 450 mm x 450 mm.)
- A suspended ceiling structure can substitute for the inspection holes.

4. Dimensional Drawing

360 Cassette (Circle)

AC100/120/140RN4PKG/EU

Units : mm [inches]



4. Dimensional Drawing

360 Cassette (Circle)

No.	Name	Description	No.	Name	Description
1	Liquid pipe connection	Ø9.52 (3/8)	7	Suction rim for Booster fan	
2	Gas pipe connection	Ø15.88 (5/8)	8	Decoration cover	
3	Drain hose	VP25(OD32, ID25)	9	Drain hose(Accessory)	
4	Power & Communication wiring conduits		10	Fresh air intake knockout hole	
5	Air discharge opening		11	Display window	
6	Air suction grille		12	Remote controller receiver	

NOTE

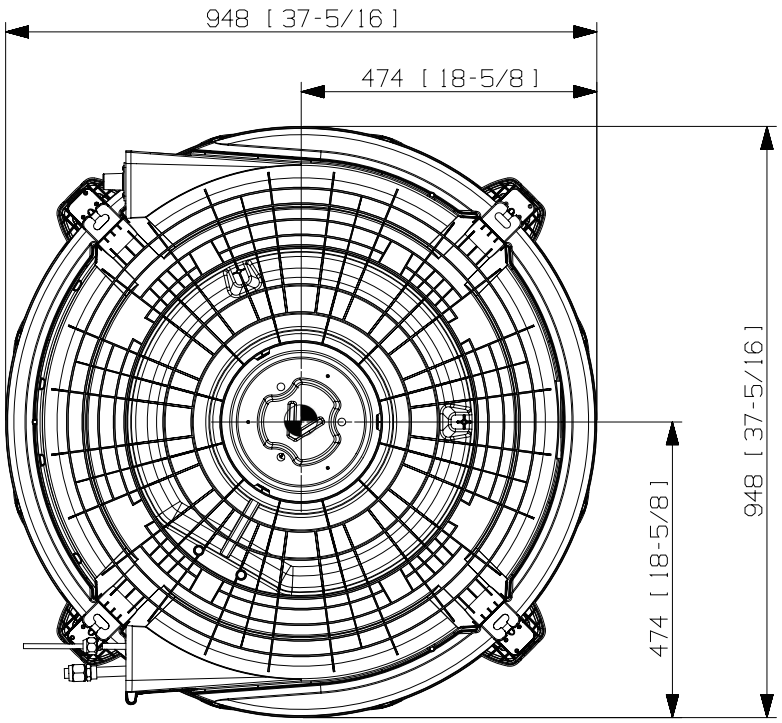
- As for suspension bolt, please use M8 ~ M10. (Procured at local site)
- Make sure the spacing between the ceiling and the cassette is no more than 29mm[1-1/4].
  Max ceiling opening : 960mm[36-13/16].
- When the condition exceed 30°C and RH 80% in the ceiling or fresh air is inducted into the ceiling,
  and additional insulation is required (polyethylene foam , thickness 10mm[3/8] or more)
- The circular panel is by default available in exposed installation.
  Make inspection holes on the ceiling for easier installation and maintenance, as shown in the following table.
  (The size of an inspection hole must be at least 450 mm x 450 mm.)
- A suspended ceiling structure can substitute for the inspection holes.

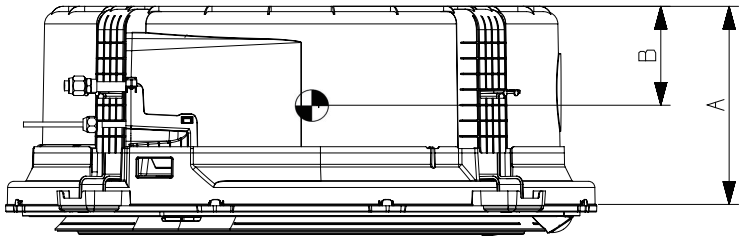
5. Center of Gravity

360 Cassette

AC071/100/120/140RN4PKG/EU

Units : mm [inches]



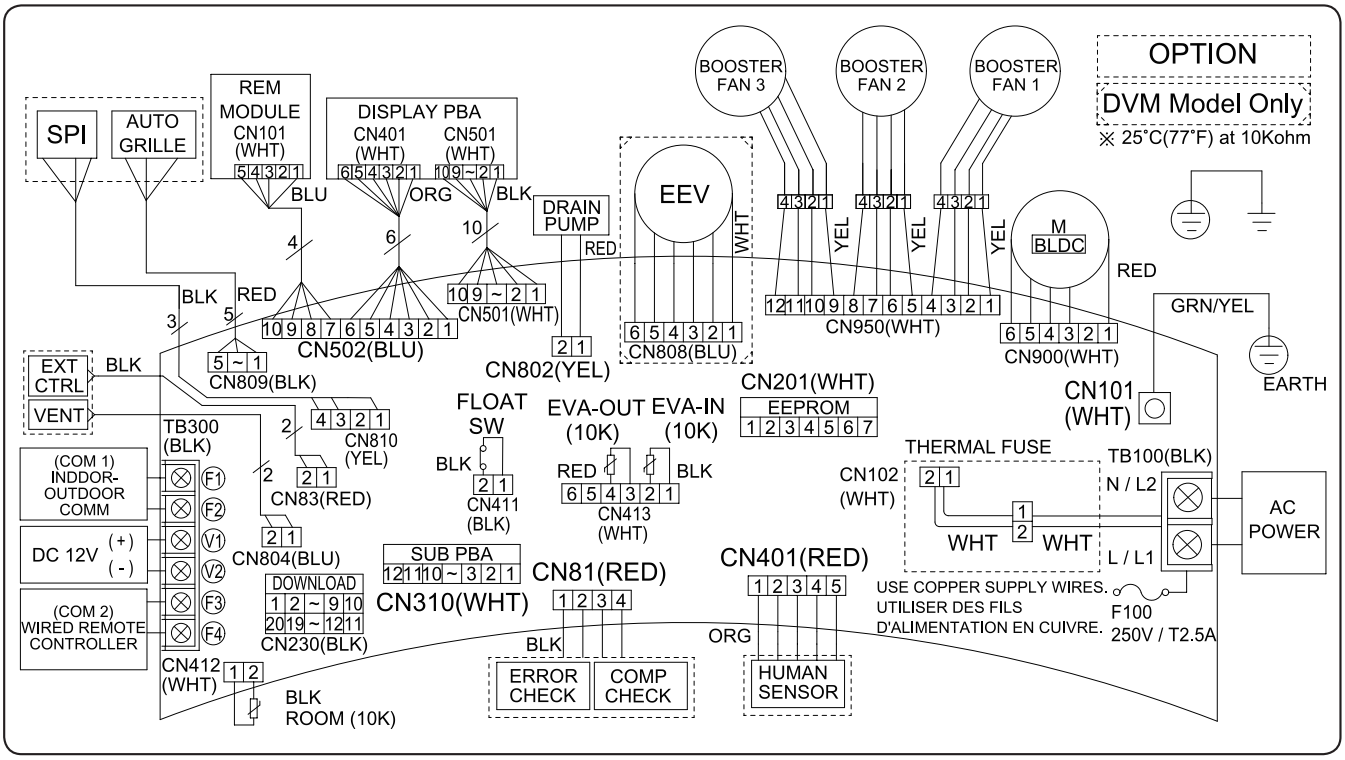


	A	B
7.1kW	233 [9-3/16]	165 [6-1/2]
9kW ~ 14kW	317 [12-1/2]	220 [8-5/8]

6. Electrical Wiring Diagram

360 Cassette

AC071/100/120/140RN4PKG/EU



SPI	S-Plasma ion	EEV	Electronic Expansion Valve	ROOM	Thermistor ROOM in (10K)
M-BLDC	BLDC Motor	EVA-IN	Thermistor EVA IN(10K)	EVA-OUT	Thermistor EVA OUT(10K)

NOTE

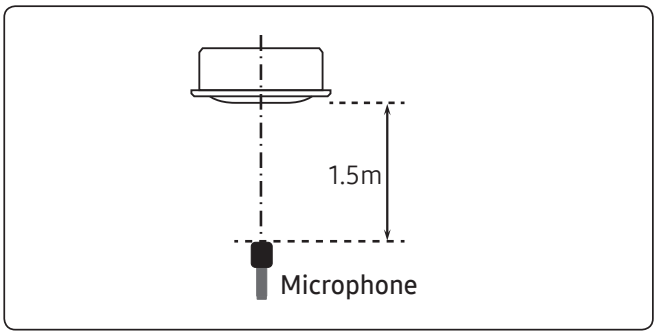
- This wiring diagram applies only to the Indoor unit.
- Symbols show as follow :
  blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue: grn: green
- For connection wiring indoor-outdoor transmission F1-F2, indoor-wired remote controller transmission F3-F4.
- ⏚ Protective earth(screw)

7. Sound Data

360 Cassette

Sound Pressure level

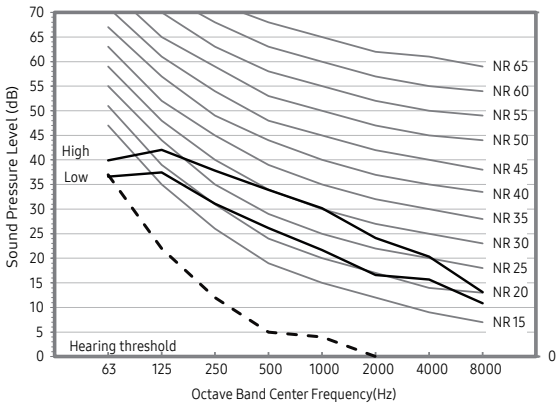
Unit: dB(A)



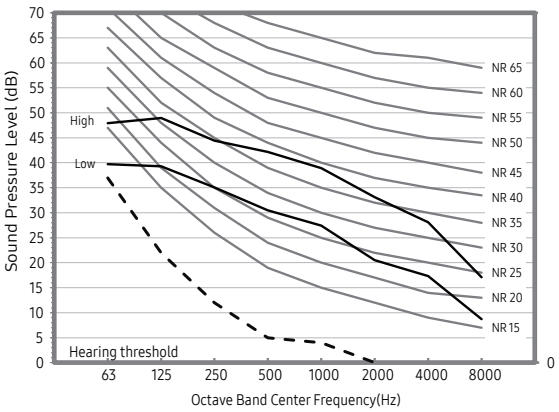
Model	HIGH	MID	LOW
AC071RN4PKG/EU	36	33	29
AC100RN4PKG/EU	44	39	33
AC120RN4PKG/EU	45	40	35
AC140RN4PKG/EU	45	41	37

- NR Curve

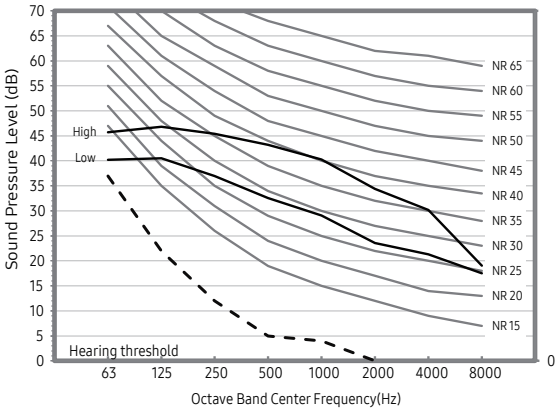
1) AC071RN4PKG/EU



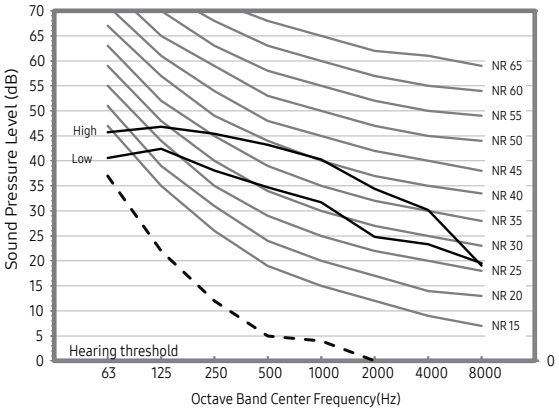
2) AC100RN4PKG/EU



3) AC120RN4PKG/EU



4) AC140RN4PKG/EU



NOTE

- Specifications may be subject to change without prior notice.
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20μPa

7. Sound Data

360 Cassette

Sound Power level

NOTE

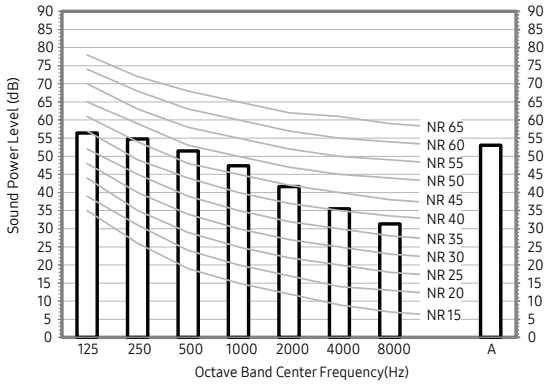
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

Unit: dB(A)

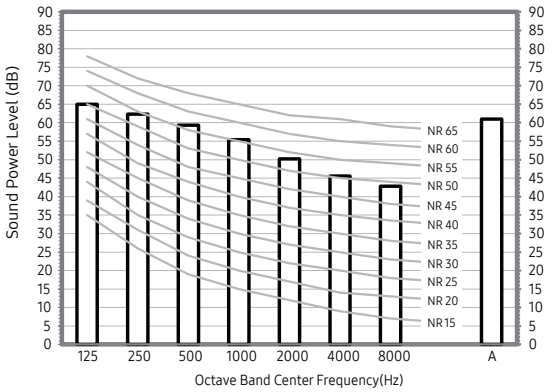
Model	Power
AC071RN4PKG/EU	53
AC100RN4PKG/EU	61
AC120RN4PKG/EU	61
AC140RN4PKG/EU	61

- NR Curve

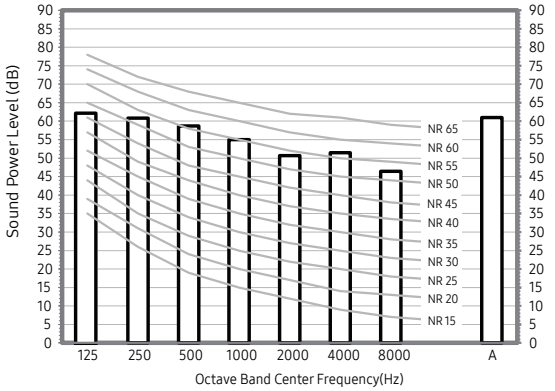
1) AC071RN4PKG/EU



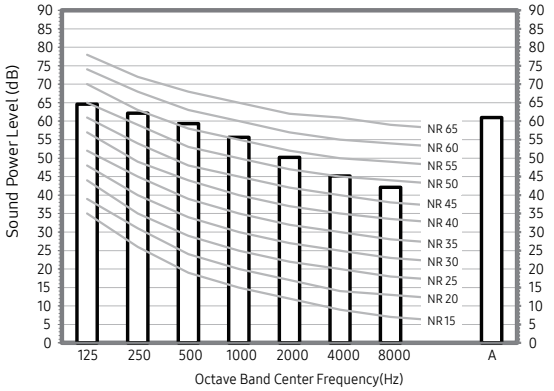
2) AC100RN4PKG/EU



3) AC120RN4PKG/EU



4) AC140RN4PKG/EU



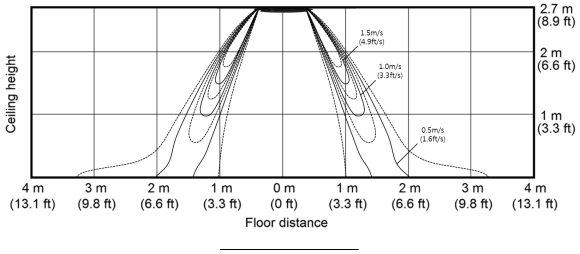
8. Temperature and air flow distribution

360 Cassette

AC071RN4PKG/EU

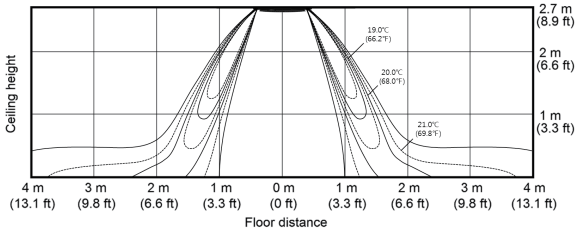
- Cooling Air Velocity distribution

  (Discharge angle : 60 degree)



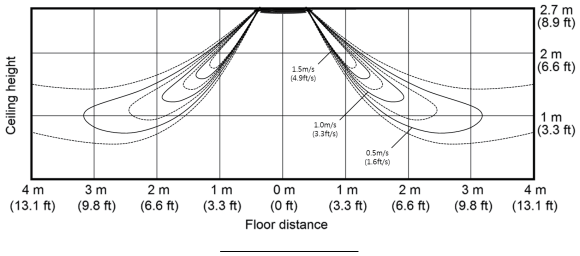
- Cooling temperature distribution

  (Discharge angle : 60 degree)



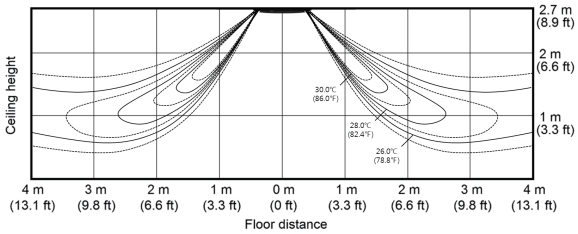
- Heating Air Velocity distribution

  (Discharge angle : 60 degree)



- Heating temperature distribution

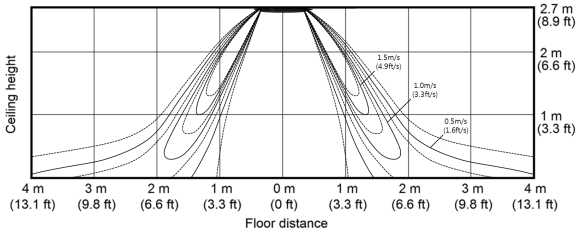
  (Discharge angle : 60 degree)



AC100RN4PKG/EU

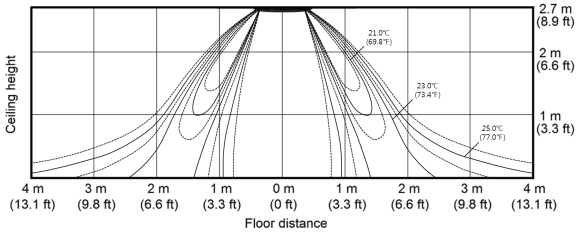
- Cooling Air Velocity distribution

  (Discharge angle : 60 degree)



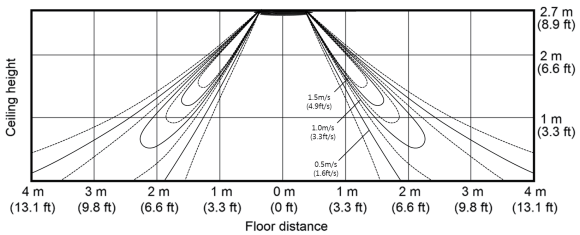
- Cooling temperature distribution

  (Discharge angle : 60 degree)



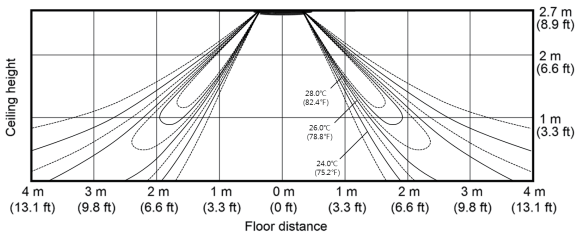
- Heating Air Velocity distribution

  (Discharge angle : 60 degree)



- Heating temperature distribution

  (Discharge angle : 60 degree)



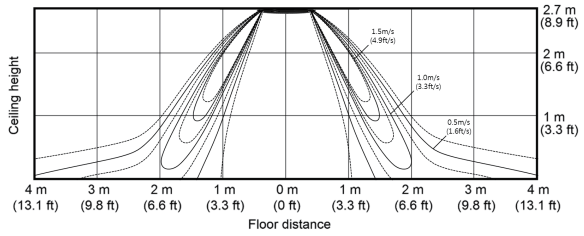
8. Temperature and air flow distribution

360 Cassette

AC120RN4PKG/EU

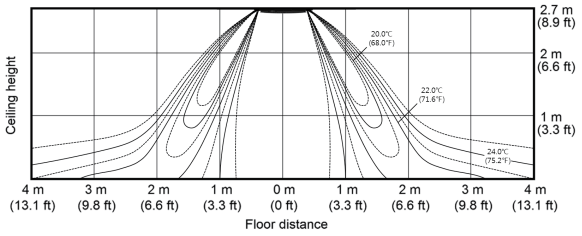
- Cooling Air Velocity distribution

  (Discharge angle : 60 degree)



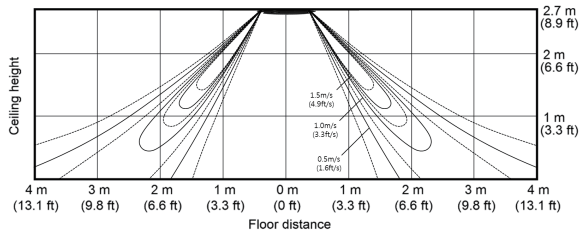
- Cooling temperature distribution

  (Discharge angle : 60 degree)



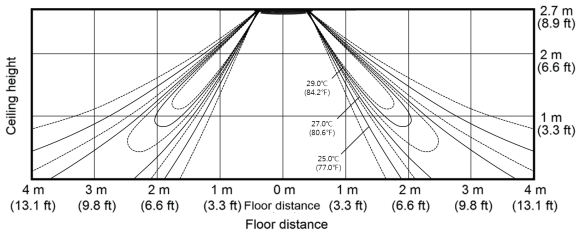
- Heating Air Velocity distribution

  (Discharge angle : 60 degree)



- Heating temperature distribution

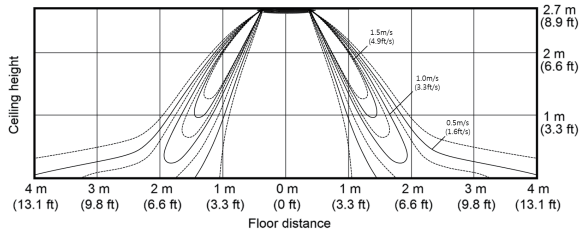
  (Discharge angle : 60 degree)



AC140RN4PKG/EU

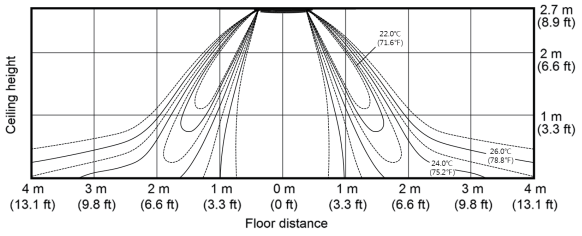
- Cooling Air Velocity distribution

  (Discharge angle : 60 degree)



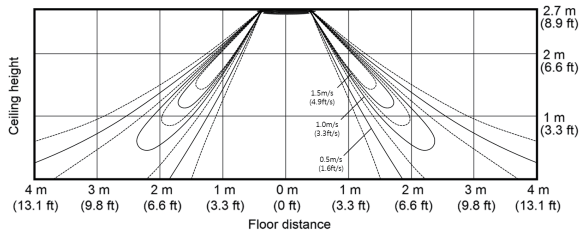
- Cooling temperature distribution

  (Discharge angle : 60 degree)



- Heating Air Velocity distribution

  (Discharge angle : 60 degree)



- Heating temperature distribution

  (Discharge angle : 60 degree)