

History

Version	Modification	Date	Remark
Ver 1.0	Release SINGLE Big Duct for EU (R410A, 50Hz, HP)	16.05.18	-
Ver 1.1	Add tCO2e data (Specifications)	16.12.09	-
Ver 1.2	Modify PQ curve data	17.01.04	-

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1 Nomenclature

Indoor Units

Model Names

AC	200	K	N	H	P	K	H	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AC	SINGLE
AM	VRF

(2) Capacity

x 1/10 kW (3 digits)

(3) Version

F	2013
H	2014
J	2015
K	2016

(4) Product Type

N	Indoor Unit
X	Outdoor Unit

(5) Product Notation

1	1Way Cassette
2	2Way Cassette
N	4Way Cassette (600 x 600)
4	4Way Cassette
L	LSP Duct (Slim Duct)
M	MSP Duct
H	HSP Duct
C	Ceiling
T	Neo Forte
E	OAP Duct

(6) Feature

D	DELUXE
F	FLAGSHIP
P	Premium
G(EHS)	Cascade (EEV)

(7) Rating Voltage

C	1Ø, 208~230V, 60Hz
E	1Ø, 220~240V, 50Hz
G	3Ø, 380~415V, 50Hz
K	1Ø, 220~240V, 50/60Hz
N	3Ø, 380~415V, 50/60Hz

(8) Mode

C	Cooling Only(R410A)
H	Heat Pump(R410A)
D	Cooling Only(R22)
E	Heat Pump(R22)

1 Nomenclature

Outdoor Units

Model Names

AC	200	K	X	A	P	N	H	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AC	SINGLE
AM	VRF

(5) Feature1

A	Inv+Side+General Temp
B	Non Inv+Side+General Temp

(2) Capacity

x 1/10 kW (3 digits)

(6) Feature2

D	Deluxe
F	Flagship
P	Premium
S	Standard

(3) Version

F	2013
H	2014
J	2015
K	2016

(7) Rating Voltage

E	1Ø, 220~240V, 50Hz
G	3Ø, 380~415V, 50Hz
K	1Ø, 220~240V, 50/60Hz
N	3Ø, 380~415V, 50/60Hz

(4) Product Type

N	Indoor Unit
X	Outdoor Unit

(8) Mode

C	Cooling Only(R410A)
H	Heat Pump(R410A)
D	Cooling Only(R22)
E	Heat Pump(R22)

2 Specifications

HSP Duct

Type	HSP Duct			HSP Duct	HSP Duct		
Model Name	Indoor Unit			AC200KNHPKH/EU	AC250KNHPKH/EU		
	Outdoor Unit			AC200KXAPNH/EU	AC250KXAPNH/EU		
System	Mode		-	Heat Pump			
	Capacity	Cooling(Min/Std/Max)		kW	7.50 / 20.00 / 23.00	9.00 / 25.00 / 28.50	
				Btu/h	25,600 / 68,200 / 78,500	30,700 / 85,300 / 97,200	
		Heating(Min/Std/Max)		kW	8.50 / 23.00 / 25.00	10.00 / 27.00 / 32.00	
				Btu/h	29,000 / 78,500 / 85,300	34,100 / 92,100 / 109,200	
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	2.10 / 6.45 / 8.00	2.60 / 9.58 / 12.00	
			Heating(Min/Std/Max)	kW	2.10 / 6.66 / 9.80	2.50 / 8.33 / 13.50	
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	3.80 / 10.00 / 12.30	4.70 / 14.90 / 18.40	
			Heating(Min/Std/Max)	A	3.80 / 10.30 / 16.00	4.50 / 12.90 / 22.00	
		MCA		A	25.00 (MCA)	25.00 (MCA)	
		MFA		A	31.25	31.25	
	Energy Efficiency	EER (Nominal Cooling)		-	3.10	2.61	
		COP (Nominal Heating)		-	3.45	3.24	
		Energy Grade		-	-	-	
	Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52	
				Ø, inch	3/8"	3/8"	
		Gas Pipe		Ø, mm	19.05	22.22	
				Ø, inch	3/4"	7/8"	
		Installation Limitation	Max. Length	m	75 (75)	75 (75)	
			Max. Height	m	30 (30)	30 (30)	
	Field Wiring	Power Source Wire		Ø, mm	-	-	
		Transmission Cable		Ø, mm	-	-	
	Refrigerant	Type		-	R410A	R410A	
Control Method		-	-	-			
Factory Charging		kg / tCO2e	6.60 / 13.78	6.60 / 13.78			
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	
	Fan	Type		-	Sirocco Fan		
		Motor	Output		W	630 x 2	630 x 2
			CMM		72.00 / 62.00 / 48.00	80.00 / 64.00 / 51.00	
		Air Flow Rate		High/Mid/Low	l/s	1,200.00 / 1,000.00 / 800.00	1,333.33 / 1,066.67 / 850.00
		External Static Pressure	Min/Std/Max		mmAq	5.00 / 7.34 / 20.00	5.00 / 7.34 / 20.00
	Pa				49.00 / 71.95 / 196.00	49.00 / 71.95 / 196.00	
	Drain	Drain Pipe		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
		Pressure	High/Mid/Low		44 / 40 / 36	47 / 42 / 37	
	Sound		Power	Cooling	dB(A)	70	72
		External Dimension	Net Weight		kg	82.50	82.50
	Shipping Weight		kg	92.00	92.00		
	Net Dimensions (WxHxD)		mm	1,350 x 450 x 910	1,350 x 450 x 910		
	Shipping Dimensions (WxHxD)		mm	1,612 x 519 x 984	1,612 x 519 x 984		
	Panel Size		Panel model		-	-	-
		Panel Net Weight		kg	-	-	
		Shipping Weight		kg	-	-	
		Net Dimensions (WxHxD)		mm	-	-	
		Shipping Dimensions (WxHxD)		mm	-	-	
	Additional Accessories	Drain pump	Drain pump	-	MDP-G075SP	MDP-G075SP	
			Max. Lifting	mm/liter/h	-	-	
	Air Filter		-	-	-		
	Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	
Compressor	Type		-	BLDC Scroll			
	Model		-	DS-GB066FAVB			
	Output		kW	6.39	6.39		
Oil	Type		-	PVE	PVE		
	Fan	Air Flow Rate	Cooling	CMM	200.00	200.00	
l/s			3,333.33	3,333.33			
Sound	Pressure	Cooling/Heating	dB(A)	58 / 60	59 / 61		
		Power	Cooling	75	77		
External Dimension	Net Weight		kg	154.00	154.00		
	Shipping Weight		kg	167.00	167.00		
	Net Dimensions (WxHxD)		mm	940 x 1,630 x 460	940 x 1,630 x 460		
	Shipping Dimensions (WxHxD)		mm	1,020 x 1,820 x 575	1,020 x 1,820 x 575		
Operating Temp. Range	Cooling		°C	-20.0 ~ 50.0	-20.0 ~ 50.0		
	Heating		°C	-20.0 ~ 24.0	-20.0 ~ 24.0		

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on;

- Indoor temperature : 27°C DB, 19°C WB

- Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m

2) Nominal heating capacities are based on;

- Indoor temperature : 20°C DB, 15°C WB

- Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m

3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

4) These products contain R410A(GWP=2,088) which is fluorinated greenhouse gas.

3 Capacity table

HSP Duct

AC200KNHPKH/EU + AC200KXAPNH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Air Temp. (DB)	Indoor temperature (°C)																				
	20 (DB)			23 (DB)			26 (DB)			27 (DB)			28 (DB)			30 (DB)			32 (DB)		
	14 (WB)			16 (WB)			18 (WB)			19 (WB)			20 (WB)			22 (WB)			24 (WB)		
	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)
-20.0	19.90	16.60	4.52	20.90	17.10	4.61	21.80	17.70	4.71	22.50	18.20	4.80	22.90	18.00	4.85	24.10	17.90	4.90	25.30	17.50	5.00
21.0	18.60	15.50	4.86	19.60	16.00	4.96	20.40	16.50	5.06	21.00	17.00	5.16	21.40	16.80	5.21	22.50	16.60	5.26	23.60	16.30	5.37
35.0	17.70	14.70	6.07	18.60	15.20	6.19	19.40	15.70	6.32	20.00	16.20	6.45	20.40	16.00	6.51	21.40	15.80	6.58	22.50	15.50	6.71
46.0	14.00	12.70	6.10	14.70	13.10	6.23	15.30	13.50	6.35	15.80	13.90	6.48	16.10	13.80	6.55	16.90	13.60	6.61	17.80	13.40	6.74
50.0	11.90	11.30	6.12	12.60	11.70	6.24	13.10	12.00	6.37	13.50	12.40	6.50	13.80	12.30	6.57	14.50	12.20	6.63	15.20	11.90	6.76

Heating

TC : Total Capacity, PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16 (DB)		18 (DB)		20 (DB)		21 (DB)		22 (DB)		24 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-20.0	19.54	8.31	19.41	8.44	19.29	8.61	19.22	8.62	19.16	8.71	19.03	8.77
-20.0	20.30	8.73	20.10	8.87	20.00	9.00	19.90	9.07	19.90	9.14	19.70	9.27
-10.0	21.70	7.65	21.60	7.77	21.40	7.89	21.40	7.94	21.30	8.00	21.20	8.12
0.0	22.40	7.11	22.30	7.22	22.10	7.33	22.10	7.38	22.00	7.44	21.90	7.55
7.0	23.30	6.46	23.20	6.56	23.00	6.66	22.90	6.71	22.90	6.76	22.70	6.86
24.0	28.20	5.53	28.00	5.61	27.80	5.70	27.70	5.74	27.60	5.79	27.40	5.87

AC250KNHPKH/EU + AC250KXAPNH/EU

Cooling

TC(Total Capacity), SHC(Sensible Heat Capacity), PI(Power Input)

Outdoor Air Temp. (DB)	Indoor temperature (°C)																				
	20 (DB)			23 (DB)			26 (DB)			27 (DB)			28 (DB)			30 (DB)			32 (DB)		
	14 (WB)			16 (WB)			18 (WB)			19 (WB)			20 (WB)			22 (WB)			24 (WB)		
	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)	TC(kW)	SHC(kW)	PI(kW)
-20.0	24.90	19.40	6.72	26.20	20.00	6.85	27.30	20.60	6.99	28.10	21.20	7.14	28.70	21.00	7.21	30.10	20.80	7.28	31.60	20.40	7.42
21.0	23.20	18.10	7.21	24.40	18.60	7.36	25.50	19.20	7.51	26.30	19.80	7.66	26.80	19.60	7.74	28.10	19.40	7.82	29.50	19.00	7.97
35.0	22.10	17.20	9.02	23.30	17.80	9.20	24.30	18.30	9.39	25.00	18.90	9.58	25.50	18.70	9.68	26.80	18.50	9.77	28.10	18.10	9.97
46.0	14.70	13.60	7.99	15.50	14.10	8.16	16.10	14.50	8.32	16.60	14.90	8.49	17.00	14.80	8.58	17.80	14.60	8.66	18.70	14.40	8.84
50.0	10.70	10.80	7.44	11.20	11.10	7.59	11.40	11.40	7.74	12.10	11.80	7.90	12.30	11.70	7.98	12.90	11.60	8.06	13.60	11.30	8.22

Heating

TC : Total Capacity PI: Power Input

Outdoor Air Temp. (DB)	Indoor temperature (°C)											
	16 (DB)		18 (DB)		20 (DB)		21 (DB)		22 (DB)		24 (DB)	
	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)	TC(kW)	PI(kW)
-20.0	19.94	9.15	19.76	9.50	19.57	9.93	19.48	10.09	19.39	10.31	19.20	10.67
-20.0	21.40	9.91	21.20	10.34	21.00	10.77	20.90	10.98	20.80	11.20	20.60	11.63
-10.0	24.30	8.84	24.10	9.22	23.90	9.61	23.70	9.80	23.60	9.99	23.40	10.38
0.0	25.80	8.30	25.50	8.67	25.30	9.03	25.20	9.21	25.10	9.39	24.80	9.75
7.0	27.50	7.66	27.30	8.00	27.00	8.33	26.90	8.50	26.70	8.66	26.50	9.00
24.0	31.80	6.03	31.50	6.29	31.20	6.55	31.10	6.68	30.90	6.81	30.60	7.07

* Specifications may be subject to change without prior notice for product improvement.

1) Capacities are based on following conditions;

. Cooling mode indoor air temperature (°C, DB/WB) : 20/14, 23/16, 26/18, 27/19, 28/20, 30/22, 32/24 .

Heating mode outdoor air : 85%RH. However, the condition rated capacity is 7°C DB / 6°C WB.

. Refrigerant piping length : 5m

. Level difference : 0m.

2) In case of Inverter models, the cooling capacity on the capacity table can be higher than nominal capacity as inverter compressors operate with different Hz depending on outdoor and indoor temperatures.

4 Dimensional drawing

Indoor : HSP Duct

AC200KNHPKH/EU, AC250KNHPKH/EU

Units : mm / inches

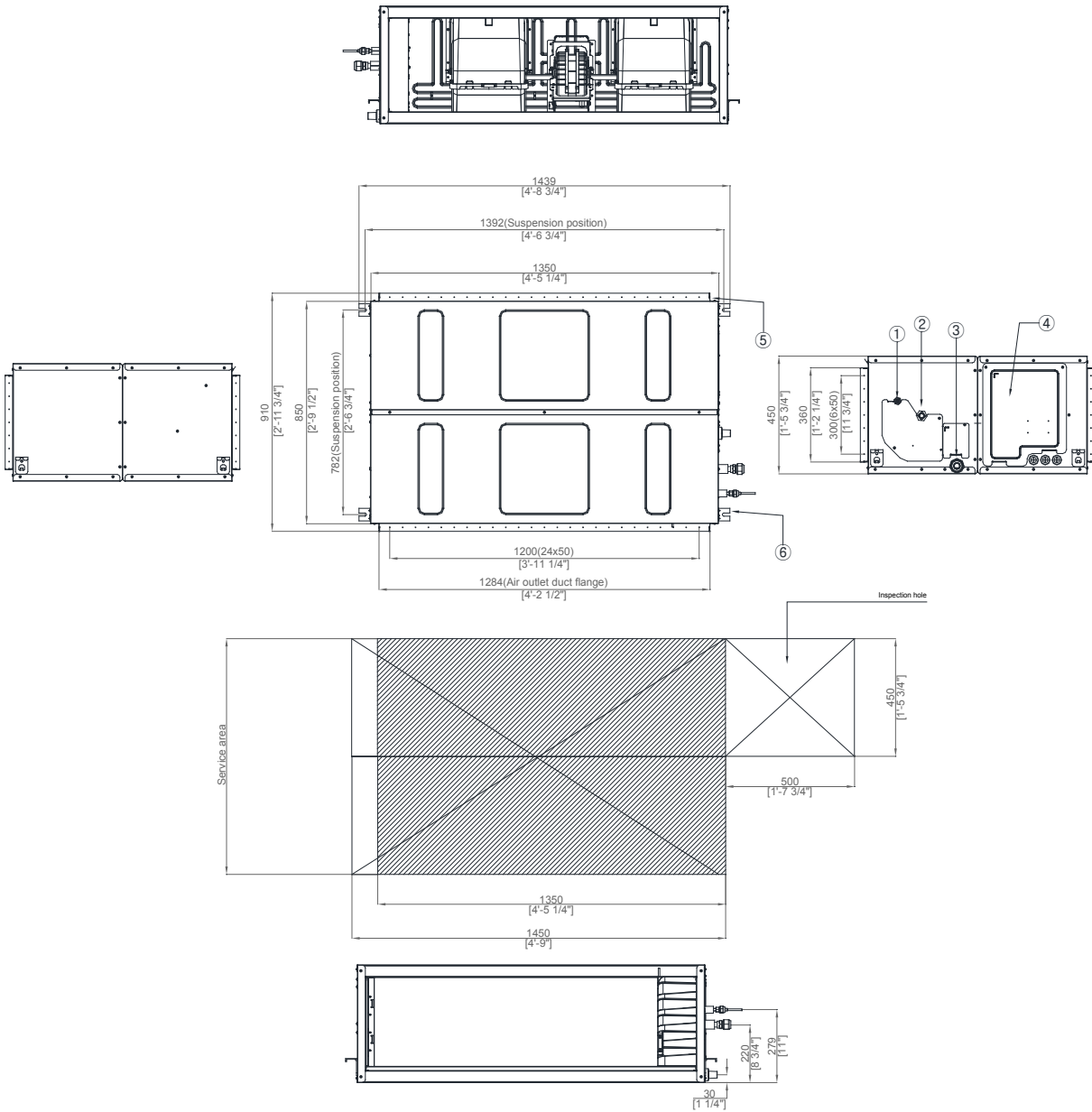


Table of descriptions

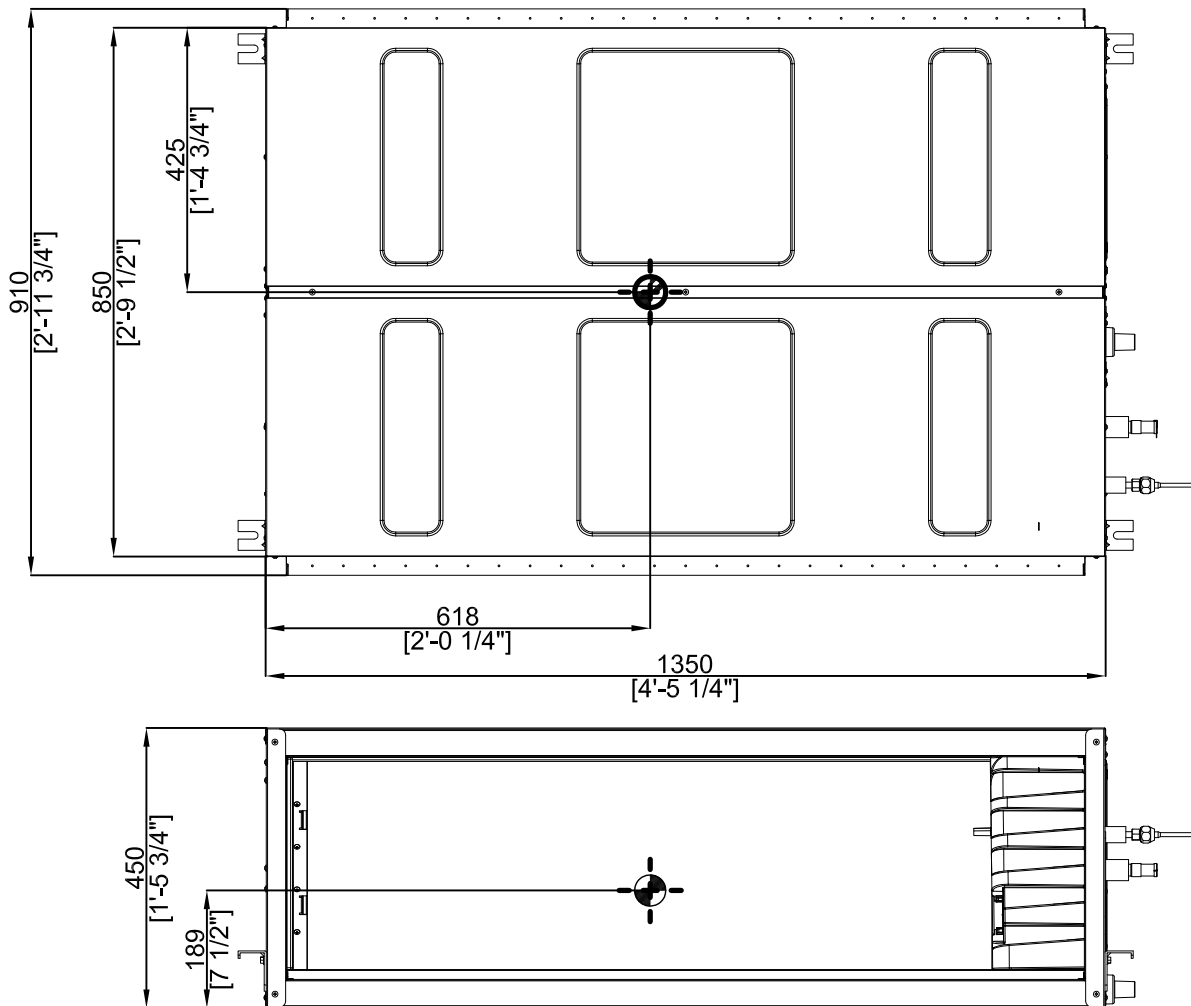
1	Liquid pipe connection	7	
2	Gas pipe connection	8	
3	Drain pipe connection	9	
4	Power supply connection	10	
5	Air discharge flange	11	
6	Hook	12	

4 Dimensional drawing (Center of gravity)

Indoor : HSP Duct

AC200KNHPKH/EU, AC250KNHPKH/EU

Units : mm / inches



4 Dimensional drawing

Outdoor

AC200KXAPNH/EU, AC250KXAPNH/EU

Units : mm / inches

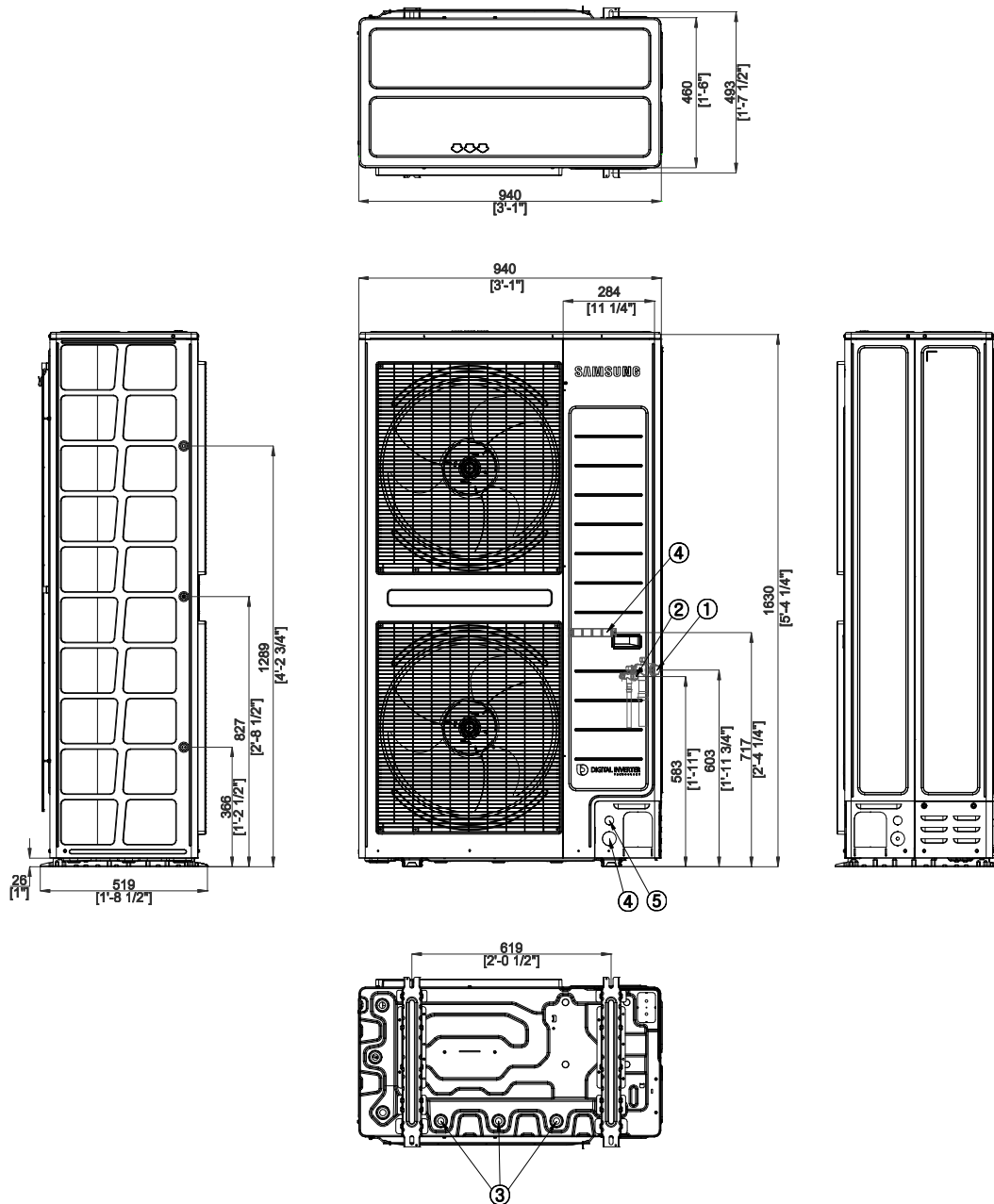


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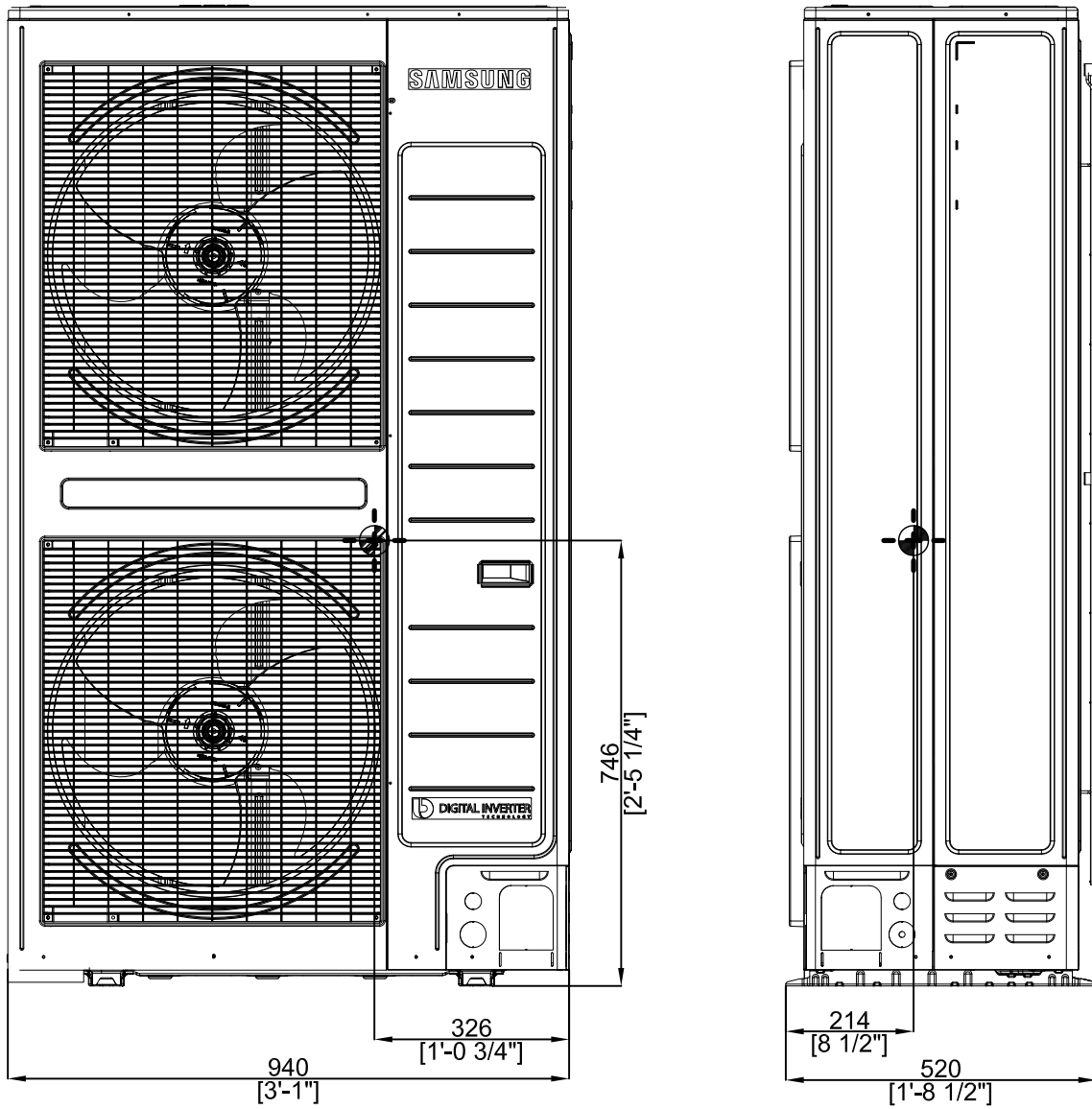
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Drain Hole
4	Power wiring conduits
5	Communication wiring conduits

4 Dimensional drawing (Center of gravity)

Outdoor

AC200KXAPNH/EU, AC250KXAPNH/EU

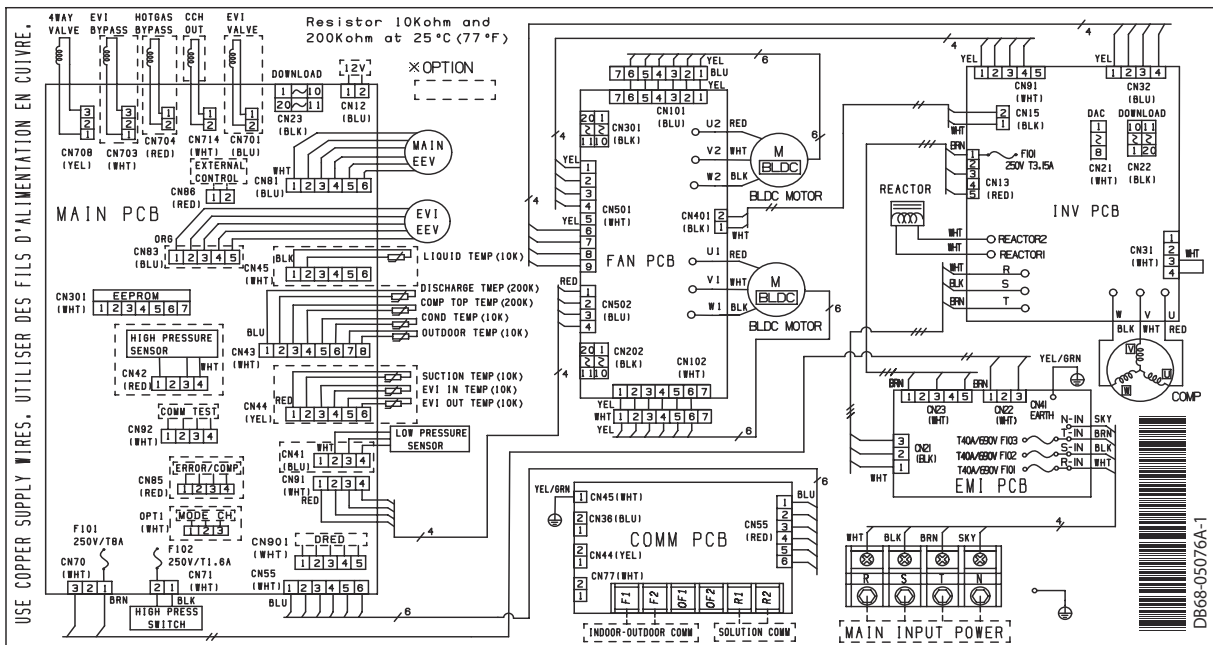
Units : mm / inches



5 Electrical wiring diagram

Outdoor

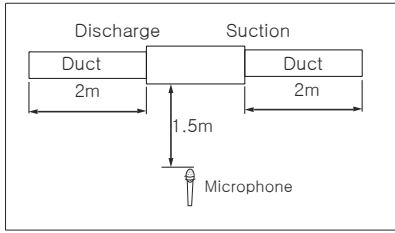
AC200KXAPH/EU, AC250KXAPH/EU



DB68-05076A-1

6 Sound pressure level

Indoor : HSP Duct



Unit: dB(A)

Model	High	Low
AC200KNHPKH/EU (ODU : AC200KXAPNH/EU)	44	36
AC250KNHPKH/EU (ODU : AC250KXAPNH/EU)	47	37

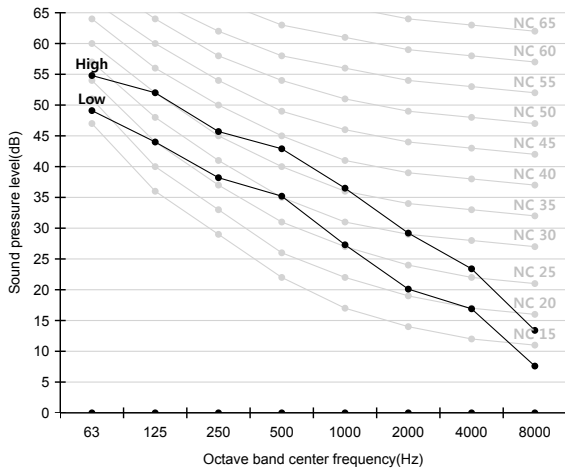
Note

* Specifications may be subject to change without prior notice

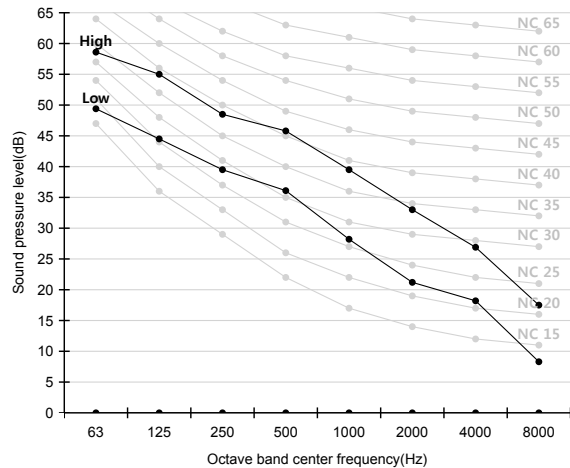
- 1) These operation values were obtained in an anechoic room.
- 2) Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- 3) Operation sound level may differ depending on operation and ambient conditions.

NC curve

1) AC200KNHPKH/EU (ODU : AC200KXAPNH/EU)

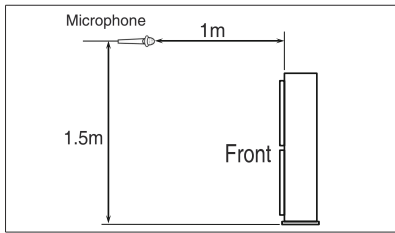


2) AC250KNHPKH/EU (ODU : AC250KXAPNH/EU)



6 Sound pressure level

Outdoor



Unit: dB(A)	
Model	Cooling
AC200KXAPNH/EU (IDU : AC200KNHPKH/EU)	58
AC250KXAPNH/EU (IDU : AC250KNHPKH/EU)	59

Note

* Specifications may be subject to change without prior notice

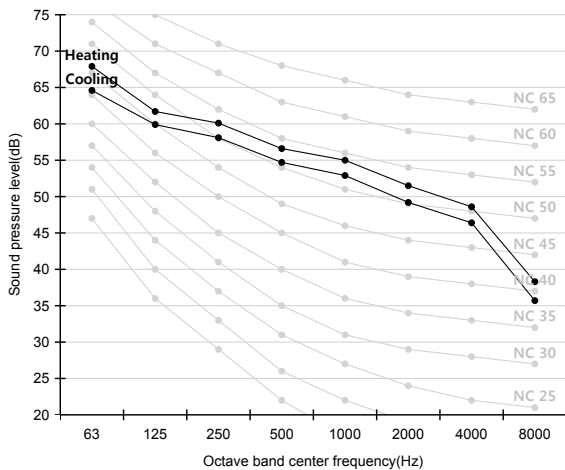
1) These operation values were obtained in an anechoic room.

2) Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.

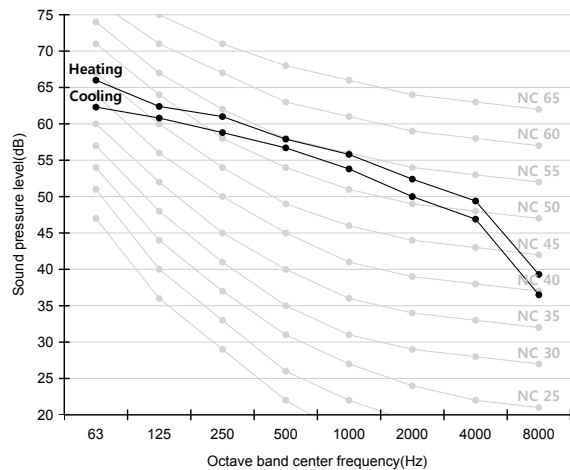
3) Operation sound level may differ depending on operation and ambient conditions.

NC curve

1) AC200KXAPNH/EU (IDU : AC200KNHPKH/EU)



2) AC250KXAPNH/EU (IDU : AC250KNHPKH/EU)



7 Sound power level

Indoor : HSP Duct

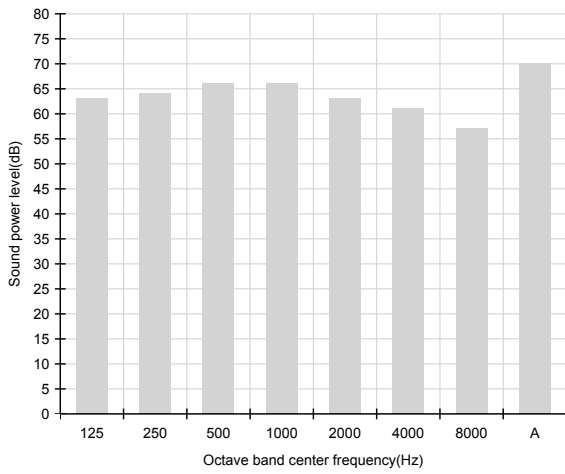
Note

- * Specifications may be subject to change
- 1) dBA = A-weighted sound power level.
- 2) Reference power : 1pW.
- 3) Measured according to ISO 3741.

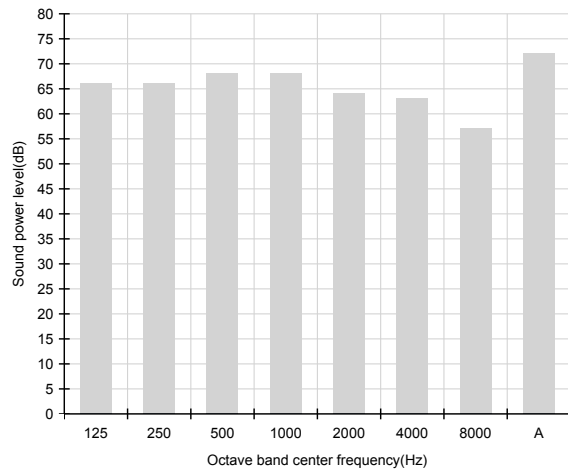
Unit: dB(A)

Model	Power
AC200KNHPKH/EU (ODU : AC200KXAPNH/EU)	70
AC250KNHPKH/EU (ODU : AC250KXAPNH/EU)	72

1) AC200KNHPKH/EU (ODU : AC200KXAPNH/EU)



2) AC250KNHPKH/EU (ODU : AC250KXAPNH/EU)



7 Sound power level

Outdoor

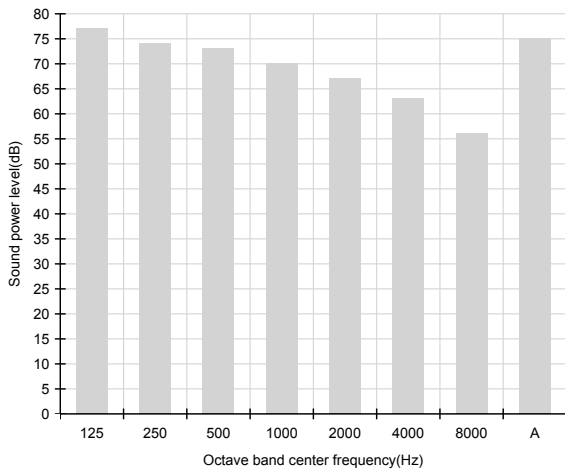
Note

- * Specifications may be subject to change
- 1) dBA = A-weighted sound power level.
- 2) Reference power : 1pW.
- 3) Measured according to ISO 3741.

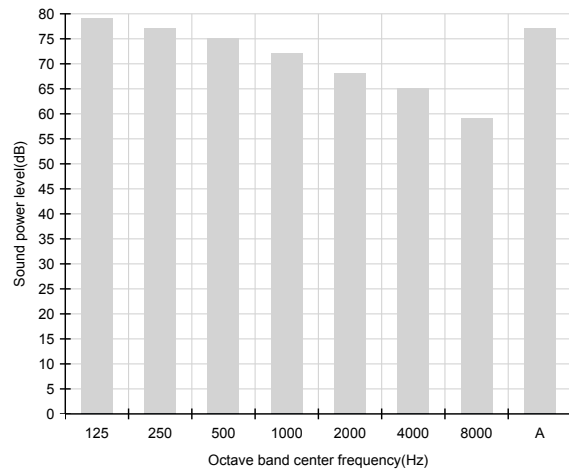
Unit: dB(A)

Model	Power
AC200KXAPNH/EU (IDU : AC200KNHPKH/EU)	75
AC250KXAPNH/EU (IDU : AC250KNHPKH/EU)	77

1) AC200KXAPNH/EU (IDU : AC200KNHPKH/EU)



2) AC250KXAPNH/EU (IDU : AC250KNHPKH/EU)

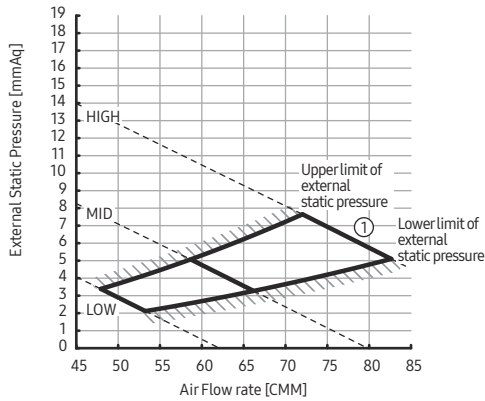


8 PQ Curve

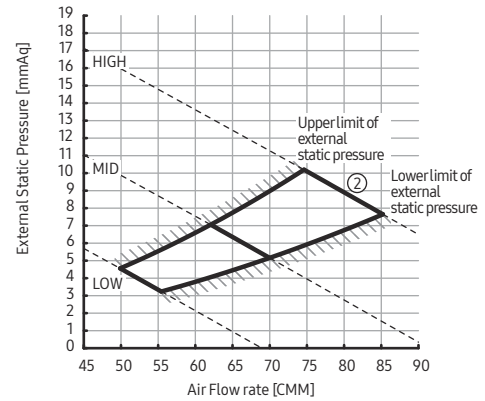
Indoor : HSP Duct

1) AC200KNHPKH/EU (ODU : AC200KXAPNH/EU)

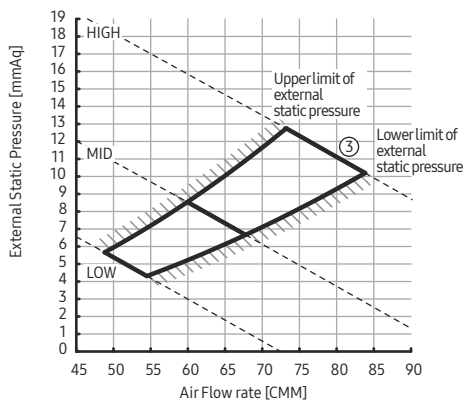
①	External Static Pressure (mmAq)	Option Code
	5≤P<7.5	011074-1C50C0-27C8E6-372000



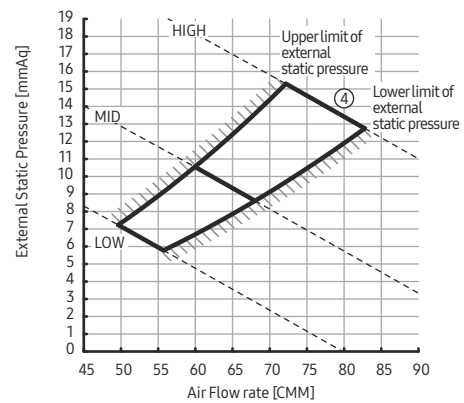
②	External Static Pressure (mmAq)	Option Code
	7.5≤P<10	011074-1C50E3-27C8E6-372000



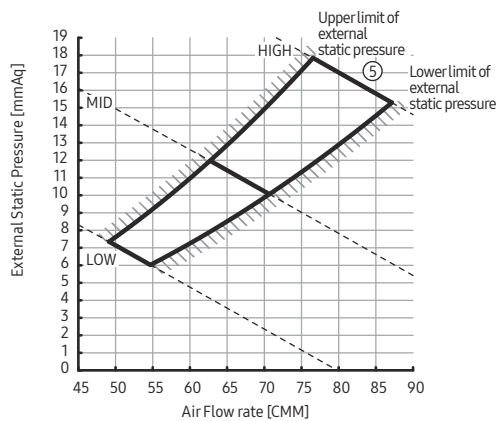
③	External Static Pressure (mmAq)	Option Code
	10≤P<12.5	011074-1C50F5-27C8E6-372000



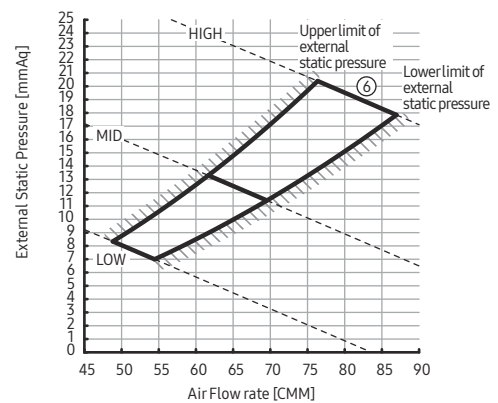
④	External Static Pressure (mmAq)	Option Code
	12.5≤P<15	011074-1C5436-27C8E6-372000



⑤	External Static Pressure (mmAq)	Option Code
	15≤P<17.5	011074-1C5458-27C8E6-372000



⑥	External Static Pressure (mmAq)	Option Code
	17.5≤P≤20	011074-1C548E-27C8E6-372000



Note

Adjust option code according to the actual installation condition (external static pressure).

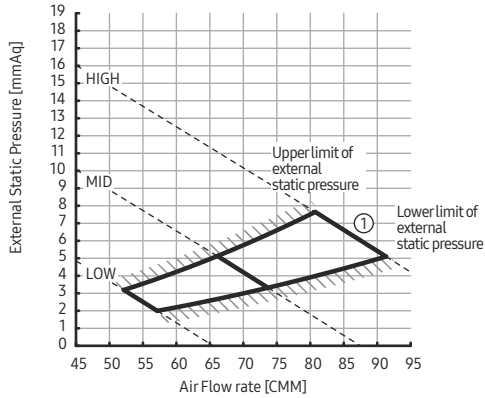
The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

8 PQ Curve

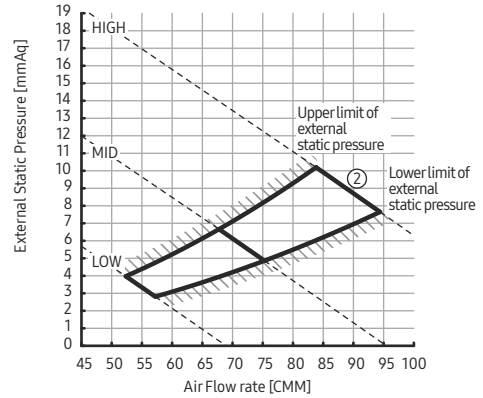
Indoor : HSP Duct

2) AC250KNHPKH/EU (ODU : AC250KXAPNH/EU)

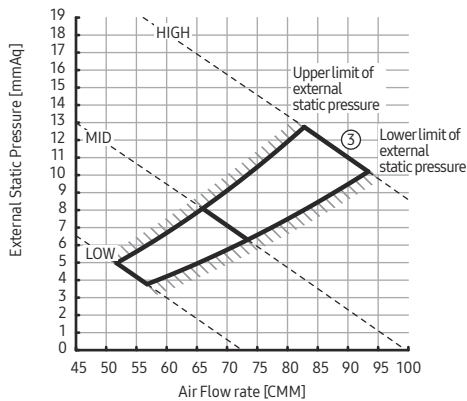
①	External Static Pressure(mmAq)	Option Code
	5≤P<7.5	011074-1C50F0-270014-373800



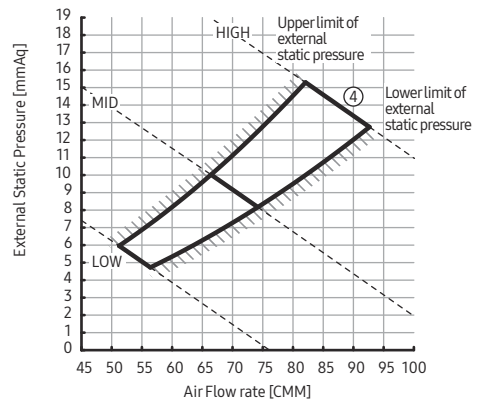
②	External Static Pressure(mmAq)	Option Code
	7.5≤P<10	011074-1C50F3-270014-373800



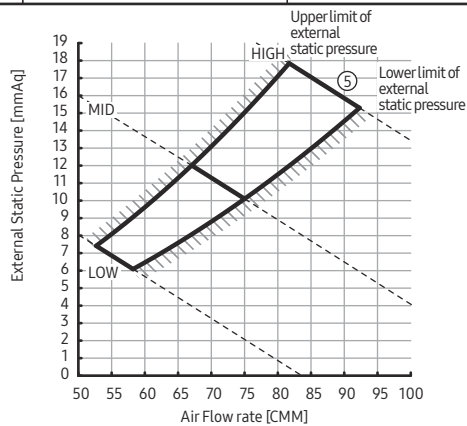
③	External Static Pressure(mmAq)	Option Code
	10≤P<12.5	011074-1C5435-270014-373800



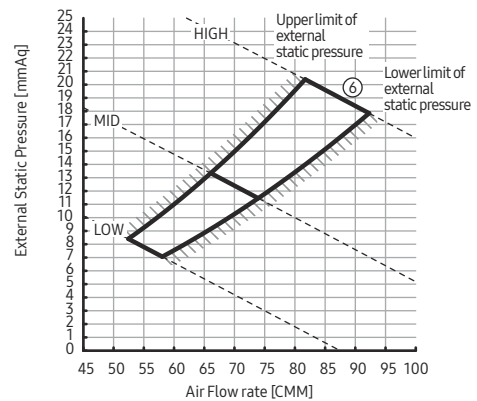
④	External Static Pressure(mmAq)	Option Code
	12.5≤P<15	011074-1C5466-270014-373800



⑤	External Static Pressure(mmAq)	Option Code
	15≤P<17.5	011074-1C5487-270014-373800



⑥	External Static Pressure(mmAq)	Option Code
	17.5≤P≤20	011074-1C548B-270014-373800



Note

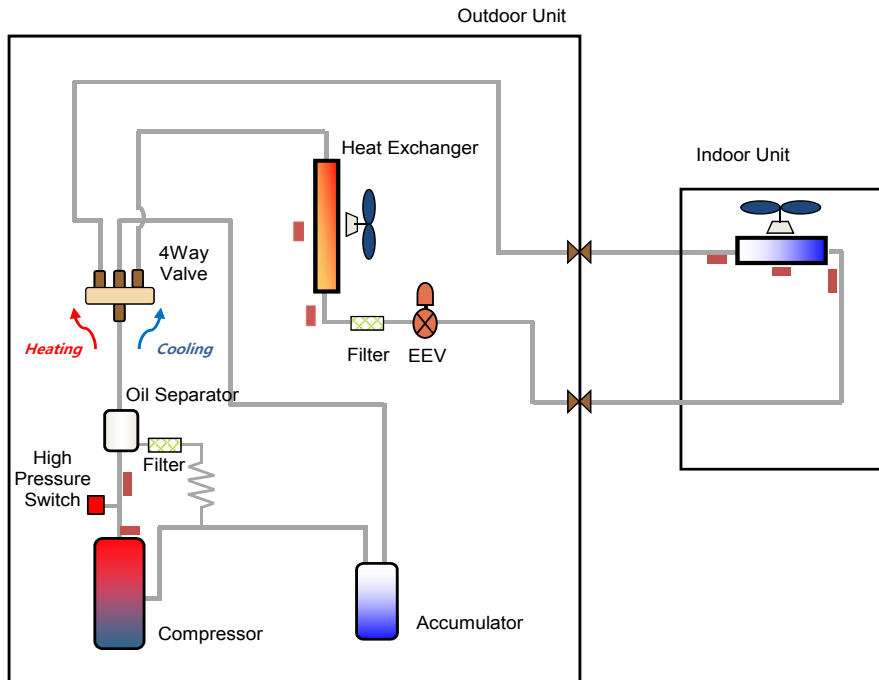
Adjust option code according to the actual installation condition (external static pressure).

The graphs display the available external static pressure range of installed indoor units. Therefore, they do not reflect the actual change of external static pressure and airflow rate according to adjusted airflow (High-Mid-Low) of installed indoor units.

9 Cycle diagram

Outdoor

AC200KXAPNH/EU, AC250KXAPNH/EU




Category	Symbol	Description
Compressor		Scroll Inverter Compressor.
Heat Exchanger		Condensing/Evaporating unit
Accumulator		Accumulator
Oil Separator		Oil Separator
Switch		High Pressure Switch
Filter		Filter
Valve		Expansion
		Electronic Expansion Valve (EEV)
		Reversing
Valve		4 Way valve (Reversing valve)
		Service valve
Sensor		Temperature
		Pipe/Air Temperature sensor

10 Capacity correction

Outdoor


AC200KNHPKH/EU + AC200KXAPNH/EU

Cooling



		Pipe Length (m)														
		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
Level Difference (m)	30	-	-	-	-	-	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.74	0.72
	25	-	-	-	-	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.74	0.72
	20	-	-	-	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.74	0.72
	15	-	-	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.74	0.72
	10	-	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.74	0.72
	5	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.74	0.72
	0	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.74	0.72
	-5	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.74	0.72
	-10	-	0.97	0.95	0.93	0.91	0.89	0.87	0.85	0.83	0.81	0.79	0.77	0.75	0.73	0.71
	-15	-	-	0.95	0.93	0.91	0.89	0.87	0.85	0.83	0.81	0.79	0.77	0.75	0.73	0.71
	-20	-	-	-	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.74	0.72	0.70
	-25	-	-	-	-	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76	0.74	0.72	0.70
	-30	-	-	-	-	-	0.87	0.85	0.83	0.81	0.79	0.77	0.75	0.73	0.71	0.69


Heating



		Pipe Length (m)														
		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
Level Difference (m)	30	-	-	-	-	-	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	25	-	-	-	-	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	20	-	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	15	-	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	10	-	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	5	1.00	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	0	1.00	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	-5	1.00	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	-10	-	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	-15	-	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	-20	-	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	-25	-	-	-	-	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	-30	-	-	-	-	-	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90


AC250KNHPKH/EU + AC250KXAPNH/EU

Cooling



		Pipe Length (m)														
		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
Level Difference (m)	30	-	-	-	-	-	0.88	0.86	0.83	0.81	0.79	0.76	0.74	0.72	0.69	0.67
	25	-	-	-	-	0.91	0.88	0.86	0.83	0.81	0.79	0.76	0.74	0.72	0.69	0.67
	20	-	-	-	0.93	0.91	0.88	0.86	0.83	0.81	0.79	0.76	0.74	0.72	0.69	0.67
	15	-	-	0.95	0.93	0.91	0.88	0.86	0.83	0.81	0.79	0.76	0.74	0.72	0.69	0.67
	10	-	0.98	0.95	0.93	0.91	0.88	0.86	0.83	0.81	0.79	0.76	0.74	0.72	0.69	0.67
	5	1.00	0.98	0.95	0.93	0.91	0.88	0.86	0.83	0.81	0.79	0.76	0.74	0.72	0.69	0.67
	0	1.00	0.98	0.95	0.93	0.91	0.88	0.86	0.83	0.81	0.79	0.76	0.74	0.72	0.69	0.67
	-5	1.00	0.98	0.95	0.93	0.91	0.88	0.86	0.83	0.81	0.79	0.76	0.74	0.72	0.69	0.67
	-10	-	0.97	0.94	0.92	0.90	0.87	0.85	0.82	0.80	0.78	0.75	0.73	0.71	0.68	0.66
	-15	-	-	0.94	0.92	0.90	0.87	0.85	0.82	0.80	0.78	0.75	0.73	0.71	0.68	0.66
	-20	-	-	-	0.91	0.89	0.86	0.84	0.81	0.79	0.77	0.74	0.72	0.70	0.67	0.65
	-25	-	-	-	-	0.89	0.86	0.84	0.81	0.79	0.77	0.74	0.72	0.70	0.67	0.65
	-30	-	-	-	-	-	0.86	0.84	0.81	0.79	0.77	0.74	0.72	0.70	0.67	0.65

Heating



		Pipe Length (m)														
		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
Level Difference (m)	30	-	-	-	-	-	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	25	-	-	-	-	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	20	-	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	15	-	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	10	-	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	5	1.00	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	0	1.00	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	-5	1.00	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	-10	-	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	-15	-	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	-20	-	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	-25	-	-	-	-	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90
	-30	-	-	-	-	-	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90

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