



DC INVERTER ROOFTOP PACKAGED AIR CONDITIONERS

Technical Sales Guide

CAPACITY RANGE: 22.0~105.0kW (75100~358300Btu/h)

OPERATION RANGE: COOLING: 18~52°C



HEATING: -10~24°C





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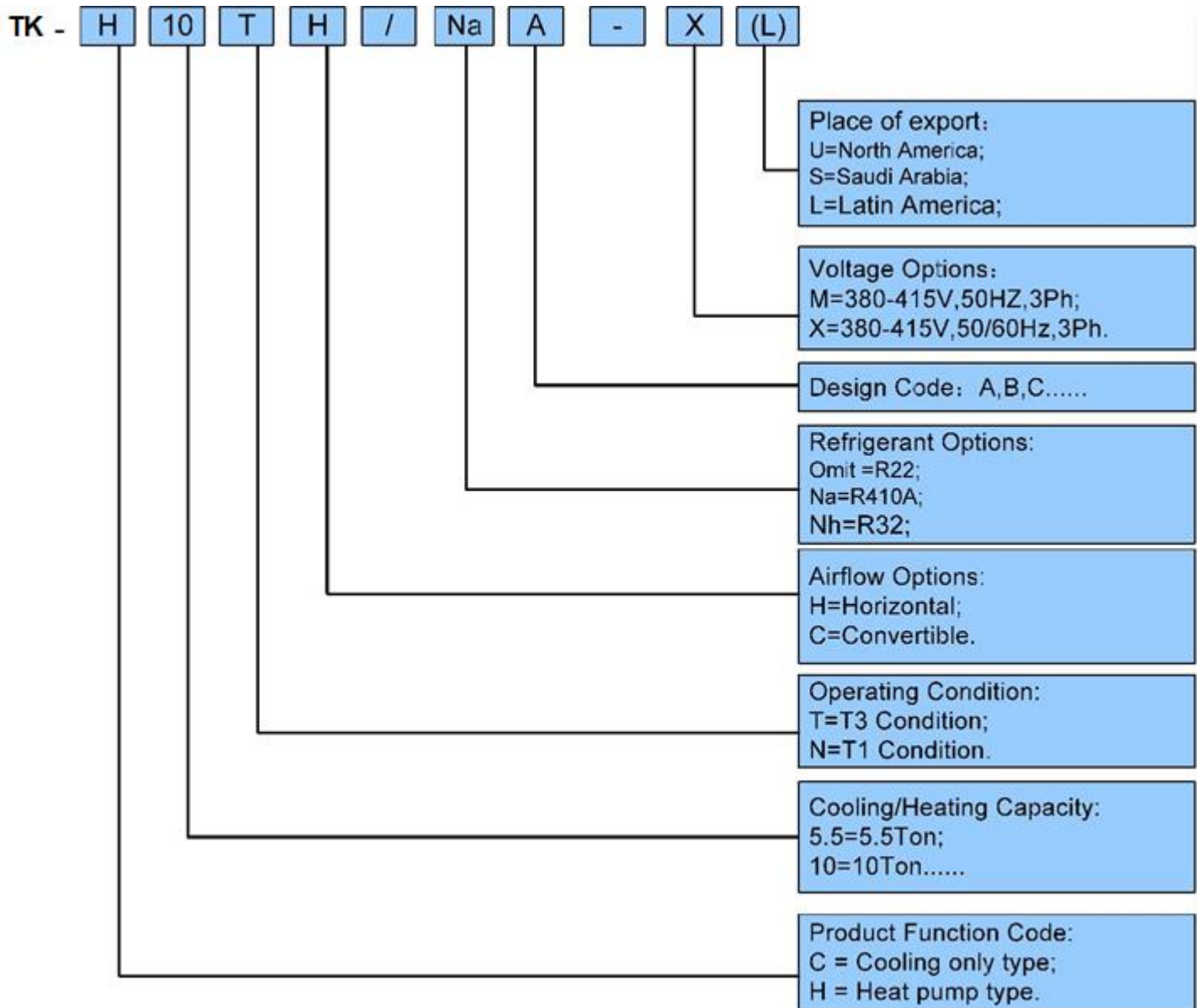
1. PRODUCT LIST

Model	Product Code Capacity	Nominal (Ton)	Refrigerant	Power Supply	Appearance
TK H5.5TH/NaA X(L)	EJ51001030	5.5	R410A	380-415V 3N~ 50/60Hz	
TK H6.2TH/NaA X(L)	EJ51000990	6.2	R410A	380-415V 3N~ 50/60Hz	
TK H7.5TH/NaA X(L)	EJ51001010	7.5	R410A	380-415V 3N~ 50/60Hz	

<p>TK H10TH/NaA- X(L)</p>	<p>EJ51001090</p>	<p>10</p>	<p>R410A</p>	<p>380-415V 3N~ 50/60Hz</p>	
<p>TK H15TH/NaA- M(L)</p>	<p>EJ51001080</p>	<p>15</p>	<p>R410A</p>	<p>380-415V 3N~ 50Hz</p>	
<p>TK H20TH/NaA- M(L)</p>	<p>EJ51001000</p>	<p>20</p>	<p>R410A</p>	<p>380-415V 3N~ 50Hz</p>	
<p>TK H25TH/NaA- M(L)</p>	<p>EJ51000980</p>	<p>25</p>	<p>R410A</p>	<p>380-415V 3N~, 50 Hz</p>	

<p>TK H30TC/NaA- M(L)</p>	<p>EJ51001330</p>	<p>30</p>	<p>R410A</p>	<p>380-415V 3N~, 50 Hz</p>	
<p>TK C30TH/NaA- M(L)</p>	<p>EJ51001100</p>	<p>30</p>	<p>R410A</p>	<p>380-415V 3N~, 50 Hz</p>	

2. NOMENCLATURE



3. PRODUCT FEATURES

3.1. Description

The Rooftop unit are completely assembled, piped, and wired at the factory to provide one-piece . Each unit is pressurized with a holding charge of refrigerant-410A for storage and shipping. The Rooftop can offer the perfect combination of superior product quality, high operating efficiency, and cost efficiency. The compact design, outstanding anti-corrosive cabinet, and quiet operation make these units suitable for manufactured or house. The careful design from each part to the whole unit, together with the all-round process test and unit test, offers the high reliability for the whole system. Perfect system protections can guarantee the safety of the system at utmost and get rid of the irreparable damage to the compressor or other critical parts under the harsh working conditions. All sheet metal parts are constructed of commercial grade galvanized steel. The external parts are coated with a power-paint to assure a quality finish for many years.

3.2. Features

3.2.1. High energy efficiency and performance

DC inverter design

The Rooftop unit meets CB requirements. The compressor and outdoor fan can adjust the operating frequency according to different room loads, and automatically adjust the capacity output to ensure the comfort of the room environment. At the same time, the power consumption of the unit changes along with the capacity output and the power consumption of unit is low in low-load operation. Compared with the fixed-speed unit, its annual power consumption is lower, which is high-efficiency and power-saving.

DC inverter motor

The outdoor heat exchanger applies DC inverter motor with high back electromotive force. Power input of motor is lower and operating current is smaller, thus the efficiency is greatly improved compared with the AC motor.

High-efficient fan blade

New high-efficiency fan blade design adopts CFD simulation technology to optimize the matching of blade type and blade angle. In addition to the special trail edge design, the working area of blade is effectively increased and the air volume is greatly increased.

3.2.2. High reliability

Excellent grid adaptability

The Rooftop unit are reliable anti-grid fluctuations design, performance stably in ultra-wide voltage range from 342V to 456V, which is perfectly adapted to the power grid fluctuation during peak hours or other conditions.

Multiple protection design

The Rooftop unit is designed with high voltage protection, low voltage protection, overcurrent protection, discharge protection, phase sequence protection and other protections. It can effectively protect key components such as compressor and motor in abnormal operation and harsh working conditions, extending the service life of the unit and ensuring safer and more reliable operation.

Automatic adjustment of throttling

The Rooftop unit adopts throttling of electronic expansion valve, and automatically adjusts the opening degree in throttling according to the system high pressure and discharge temperature. It makes sure that the system parameters are within a reasonable range when the unit operates under all working conditions, to improve the operation reliability and service life of the unit.

Anti-wind design of outdoor fan

The outdoor fan of the Rooftop unit adopts anti-wind startup design to solve the problem that the unit cannot start smoothly in the reverse operation under the high wind environment. The anti-wind startup design allows the unit to fully adapt to the harsh windy environment and start reliably. The outdoor fan runs smoothly, which is safer and more reliable.

3.2.3. Anti-corrosive and dustproof

Weather fastness fan blade

The fan blades of the condenser fan are directly injection molded with ABS + glass fiber material, which has excellent weatherfastness and anti-corrosive performance.

3.2.4. Convenient operation

Non-polarity communication design

The Rooftop unit adopts two-core Non-polarity communication. System anti-electromagnetic interference capability is strong, and the communication distance between the wired controller and the unit can reach 100m. The field wiring does not need to distinguish the positive and negative poles. Meanwhile, conventional communication wire and telephone wire can be adopted, with no need of special shielded communication wire, which is flexible and convenient.

Auxiliary controller

The Rooftop unit can be connected to centralized controller. One centralized controller can control up to 36 units, and achieve single unit or group control for multiple units. It can also be used with MODBUS gateway to remotely control the unit or access the building control system to be managed with other electrical equipment in the building. It is simple and convenient to use.

4. PRODUCT DATA

4.1. Product Data at Rated Condition

Model		TK-H5.5TH/NaA-X(L)	TK-H6.2TH/NaA-X(L)
Ton		5.5	6.2
Capacity			
Cooling Capacity	Btu/h	75100	78500
Cooling Capacity	kW	22.0	23.0
Heating Capacity	Btu/h	88700	95500
Heating Capacity	kW	26.0	28
Electrical Data			
Power Supply		380-415V 3N-50/60Hz	380-415V 3N-50/60Hz
Cooling Power Input	kW	8.5	8.5
Heating Power Input	kW	7.5	7.5
Max. Power Input	kW	10.0	10.0
Max. Current	A	18.0	18.0
Sound			
Sound Pressure Level	dB(A)	66	66
Refrigerant			
Refrigerant Type	-	R410A	R410A
Refrigerant Weight	kg	5	5
Air Flow			
Air Flow Volume	CFM	1766	1766
Air Flow Volume	m³/h	3000	3000
Pressure			
External Static Pressure	Pa	60	60
External Static Pressure	InWg	0.24	0.24
External Static Pressure Range	Pa	0-185	0-185
External Static Pressure Range	InWg	0-0.74	0-0.74
Dimension			
Outline Dimension(WxDxH)	mm	1450x1120x815	1450x1120x815
Package Dimension(WxDxH)	mm	1463x1133x860	1463x1133x860
Weight			
Net Weight	kg	268	268
Gross Weight	kg	289	289
Loading			
Loading Quantity	20'GP	16	16
Loading Quantity	40'HQ	48	48

Model		TK-H7.5TH/NaA-X(L)	TK-H10TH/NaA-X(L)
Ton		7.5	10
Capacity			
Cooling Capacity	Btu/h	98900	126000
Cooling Capacity	kW	29.0	37.0
Heating Capacity	Btu/h	109200	133100
Heating Capacity	kW	32.0	39.0
Electrical Data			
Power Supply		380-415V 3N-50/60Hz	380-415V 3N-50/60Hz
Cooling Power Input	kW	9.0	13.5
Heating Power Input	kW	9.2	11.5
Max. Power Input	kW	10.0	15.0
Max. Current	A	18.0	23.0

Model		TK-H7.5TH/NaA-X(L)	TK-H10TH/NaA-X(L)
Ton		7.5	10
Sound			
Sound Pressure Level	dB(A)	68	72
Refrigerant			
Refrigerant Type	-	R410A	R410A
Refrigerant Weight	kg	8.0	10.0
Air Flow			
Air Flow Volume	CFM	2590	3414
Air Flow Volume	m³/h	4400	5800
Pressure			
External Static Pressure	Pa	80	90
External Static Pressure	InWg	0.32	0.36
External Static Pressure Range	Pa	0-185	0-210
External Static Pressure Range	InWg	0-0.74	0-0.84
Dimension			
Outline Dimension(WxDxH)	mm	1450x1120x1215	1450x1120x1215
Package Dimension(WxDxH)	mm	1463x1133x1260	1463x1133x1260
Weight			
Net Weight	kg	348	350
Gross Weight	kg	368	370
Loading			
Loading Quantity	20'GP	7	7
Loading Quantity	40'HQ	32	32

Model		TK-H15TH/NaA-M(L)	TK-H20TH/NaA-M(L)
Ton		15	20
Capacity			
Cooling Capacity	Btu/h	170900	216700
Cooling Capacity	kW	50.1	63.5
Heating Capacity	Btu/h	191100	264400
Heating Capacity	kW	56.0	77.5
Electrical Data			
Power Supply		380-415V 3N~50Hz	380-415V 3N~50Hz
Cooling Power Input	kW	23.0	28.5
Heating Power Input	kW	16.5	25.0
Max. Power Input	kW	26.0	30.0
Max. Current	A	44.0	51.0
Sound			
Sound Pressure Level	dB(A)	74	75
Refrigerant			
Refrigerant Type	-	R410A	R410A
Refrigerant Weight	kg	12.0	16.0
Air Flow			
Air Flow Volume	CFM	5592	8829
Air Flow Volume	m³/h	9500	15000
Pressure			
External Static Pressure	Pa	130	150
External Static Pressure	InWg	0.52	0.60
External Static Pressure Range	Pa	50-200	75-220
External Static Pressure Range	InWg	0.2-0.8	0.3-0.88
Dimension			
Outline Dimension(WxDxH)	mm	2260x1140x1245	2240x1880x1250
Package Dimension(WxDxH)	mm	2283x1163x1290	2258x1898x1300

Model		TK-H15TH/NaA-M(L)	TK-H20TH/NaA-M(L)
Ton		15	20
Weight			
Net Weight	kg	590	820
Gross Weight	kg	618	870
Loading			
Loading Quantity	20'GP	4	3
Loading Quantity	40'HQ	20	12

Model		TK-H25TH/NaA-M(L)	TK-C30TH/NaA-M(L)
Ton		25	30
Capacity			
Cooling Capacity	Btu/h	303700	358300
Cooling Capacity	kW	89	105.0
Heating Capacity	Btu/h	344600	/
Heating Capacity	kW	101	/
Electrical Data			
Power Supply		380-415V 3N~50Hz	380-415V 3N~50Hz
Cooling Power Input	kW	38.0	34.0
Heating Power Input	kW	30.5	/
Max. Power Input	kW	43.0	43.0
Max. Current	A	73.0	73.0
Sound			
Sound Pressure Level	dB(A)	76	76
Refrigerant			
Refrigerant Type	-	R410A	R410A
Refrigerant Weight	kg	25.0	15.0+15.0
Air Flow			
Air Flow Volume	CFM	9712	10889
Air Flow Volume	m³/h	16500	18500
Pressure			
External Static Pressure	Pa	200	250
External Static Pressure	InWg	0.8	1
External Static Pressure Range	Pa	100-250	125-300
External Static Pressure Range	InWg	0.4-1	0.5-1.2
Dimension			
Outline Dimension(WxDxH)	mm	2880x2240x1270	3800x2240x1250
Package Dimension(WxDxH)	mm	2893x2253x1290	3810x2250x1283
Weight			
Net Weight	kg	1180	1500
Gross Weight	kg	1224	1550
Loading			
Loading Quantity	20'GP	1	1
Loading Quantity	40'HQ	8	6

Model		TK-H30TC/NaA-M(L)
Ton		30
Capacity		
Cooling Capacity	Btu/h	361700
Cooling Capacity	kW	106.0
Heating Capacity	Btu/h	375300
Heating Capacity	kW	110.0
Electrical Data		
Power Supply		380-415V 3N~50Hz

Model		TK-H30TC/NaA-M(L)
Ton		30
Cooling Power Input	kW	50.0
Heating Power Input	kW	40.0
Max. Power Input	kW	51.0
Max. Current	A	80.0
Sound		
Sound Pressure Level	dB(A)	87
Refrigerant		
Refrigerant Type	-	R410A
Refrigerant Weight	kg	14.0+14.0
Air Flow		
Air Flow Volume	CFM	8830
Air Flow Volume	m³/h	15000
Pressure		
External Static Pressure	Pa	310
External Static Pressure	InWg	1.24
External Static Pressure Range	Pa	125-350
External Static Pressure Range	InWg	0.50-1.40
Dimension		
Outline Dimension(WxDxH)	mm	2850x2240x1240
Package Dimension(WxDxH)	mm	2863x2253x1285
Weight		
Net Weight	kg	960
Gross Weight	kg	1000
Loading		
Loading Quantity	20'GP	2
Loading Quantity	40'HQ	8

Notice :

- (1) The T1 cooling capacity stated above is measured under following conditions.
 - a) Indoor Conditions: 27°C (80.6 °F) DB/19°C (66.2 °F)WB;
 - b) Outdoor Conditions: 35°C (95°F) DB/24°C (75.2°F)WB;
- (2) The T3 cooling capacity stated above is measured under following conditions.
 - a) Indoor Conditions: 29°C (84.2 °F) DB/19°C (66.2 °F)WB;
 - b) Outdoor Conditions: 46°C (114.8°F) DB/24°C (75.2°F)WB;
- (3) The Heating capacity stated above is measured under following conditions.
 - c) Indoor Conditions: 20°C (68 °F) DB/15°C (59 °F)WB;
 - d) Outdoor Conditions: 7°C (44.6°F) DB/6°C (42.8°F)WB;
- (4) The air volume is measured at the relevant standard external static pressure.
- (5) The technical parameters are changed along with the products improvement; please refer to the name plate of the unit for actual data.

4.2. Working Range

Mode	Range of Outdoor Temperature°C (°F)
Cooling	18(64.4)~52(125.6)
Heating	-10(14)~24(75.2)

5. CAPACITY CORRECTION

Model : TK-H5.5TH/NaA-X(L)

Outdoor Air DBT		Air Flow Rate		Entering Air DBT		Indoor Air Wet Bulb Temperature°C (°F)														
						17°C(62.6°F)					19°C(66.2°F)					22°C(71.6°F)				
						TC		SCC		PI	TC		SCC		PI	TC		SCC		PI
°C	°F	m³/hr	cfm	°C	°F	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW
27	80.6	3000	1766	24	75.2	20.66	70.51	17.77	60.64	7.40	22.22	75.81	17.11	58.38	7.48	23.11	78.85	16.18	55.19	7.55
				27	80.6	20.87	71.21	17.95	61.24	7.48	22.44	76.57	17.28	58.96	7.57	23.34	79.63	16.34	55.74	7.63
				29	84.2	20.87	71.21	17.95	61.24	7.57	22.44	76.57	17.28	58.96	7.65	23.34	79.63	16.34	55.74	7.72
				31	87.8	21.07	71.90	18.12	61.84	7.65	22.66	77.32	17.45	59.53	7.74	23.57	80.41	16.50	56.29	7.80
35	95	3000	1766	24	75.2	20.26	69.11	17.42	59.44	8.41	21.78	74.31	16.77	57.22	8.50	22.65	77.29	15.86	54.10	8.58
				27	80.6	20.46	69.81	17.60	60.04	8.41	22.00	75.06	16.94	57.80	8.50	22.88	78.07	16.02	54.65	8.58
				29	84.2	20.66	70.51	17.77	60.64	8.57	22.22	75.81	17.11	58.38	8.67	23.11	78.85	16.18	55.19	8.75
				31	87.8	20.87	71.21	17.95	61.24	8.74	22.44	76.57	17.28	58.96	8.84	23.34	79.63	16.34	55.74	8.92
46	114.8	3000	1766	24	75.2	17.80	60.73	15.31	52.23	9.67	19.14	65.31	14.74	50.29	9.78	19.91	67.92	13.93	47.54	9.86
				27	80.6	18.00	61.43	15.48	52.83	9.84	19.36	66.06	14.91	50.86	9.95	20.13	68.70	14.09	48.09	10.03
				29	84.2	18.00	61.43	15.48	52.83	9.92	19.36	66.06	14.91	50.86	10.03	20.13	68.70	14.09	48.09	10.12
				31	87.8	18.21	62.13	15.66	53.43	10.00	19.58	66.81	15.08	51.44	10.12	20.36	69.48	14.25	48.64	10.21
52	125.6	3000	1766	24	75.2	14.94	50.96	12.84	43.83	9.08	16.06	54.80	12.37	42.19	9.18	16.70	56.99	11.69	39.89	9.26
				27	80.6	15.35	52.36	13.20	45.03	9.16	16.50	56.30	12.71	43.35	9.27	17.16	58.55	12.01	40.98	9.35
				29	84.2	15.75	53.75	13.55	46.23	9.25	16.94	57.80	13.04	44.51	9.35	17.62	60.11	12.33	42.08	9.43
				31	87.8	16.37	55.85	14.08	48.03	9.33	17.60	60.05	13.55	46.24	9.44	18.30	62.45	12.81	43.72	9.52

Model : TK-H6.2TH/NaA-X(L)

Outdoor Air DBT		Air Flow Rate		Entering Air DBT		Indoor Air Wet Bulb Temperature°C (°F)														
						17°C(62.6°F)					19°C(66.2°F)					22°C(71.6°F)				
						TC		SCC		PI	TC		SCC		PI	TC		SCC		PI
°C	°F	m³/hr	cfm	°C	°F	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW
27	80.6	3000	1766	24	75.2	21.60	73.71	18.58	63.39	7.40	23.23	79.26	17.89	61.03	7.48	24.16	82.43	16.91	57.70	7.55
				27	80.6	21.82	74.44	18.76	64.02	7.48	23.46	80.05	18.06	61.64	7.57	24.40	83.25	17.08	58.27	7.63
				29	84.2	21.82	74.44	18.76	64.02	7.57	23.46	80.05	18.06	61.64	7.65	24.40	83.25	17.08	58.27	7.72
				31	87.8	22.03	75.17	18.95	64.65	7.65	23.69	80.83	18.24	62.24	7.74	24.64	84.06	17.25	58.84	7.80
35	95	3000	1766	24	75.2	21.18	72.25	18.21	62.14	8.41	22.77	77.69	17.53	59.82	8.50	23.68	80.80	16.58	56.56	8.58
				27	80.6	21.39	72.98	18.40	62.77	8.41	23.00	78.48	17.71	60.43	8.50	23.92	81.62	16.74	57.13	8.58
				29	84.2	21.60	73.71	18.58	63.39	8.57	23.23	79.26	17.89	61.03	8.67	24.16	82.43	16.91	57.70	8.75
				31	87.8	21.82	74.44	18.76	64.02	8.74	23.46	80.05	18.06	61.64	8.84	24.40	83.25	17.08	58.27	8.92
46	114.8	3000	1766	24	75.2	18.61	63.49	16.00	54.61	9.67	20.01	68.27	15.41	52.57	9.78	20.81	71.01	14.57	49.70	9.86
				27	80.6	18.82	64.22	16.19	55.23	9.84	20.24	69.06	15.58	53.18	9.95	21.05	71.82	14.73	50.27	10.03
				29	84.2	18.82	64.22	16.19	55.23	9.92	20.24	69.06	15.58	53.18	10.03	21.05	71.82	14.73	50.27	10.12
				31	87.8	19.04	64.95	16.37	55.86	10.00	20.47	69.84	15.76	53.78	10.12	21.29	72.64	14.90	50.85	10.21
52	125.6	3000	1766	24	75.2	15.61	53.28	13.43	45.82	9.08	16.79	57.29	12.93	44.11	9.18	17.46	59.58	12.22	41.71	9.26
				27	80.6	16.04	54.74	13.80	47.07	9.16	17.25	58.86	13.28	45.32	9.27	17.94	61.21	12.56	42.85	9.35
				29	84.2	16.47	56.20	14.16	48.33	9.25	17.71	60.43	13.64	46.53	9.35	18.42	62.84	12.89	43.99	9.43
				31	87.8	17.11	58.39	14.72	50.21	9.33	18.40	62.78	14.17	48.34	9.44	19.14	65.29	13.40	45.70	9.52

Model : TK-H7.5TH/NaA-X(L)

Outdoor Air DBT		Air Flow Rate		Entering Air DBT		Indoor Air Wet Bulb Temperature°C (°F)														
						17°C(62.6°F)					19°C(66.2°F)					22°C(71.6°F)				
						TC		SCC		PI	TC		SCC		PI	TC		SCC		PI
°C	°F	m³/hr	cfm	°C	°F	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW
27	80.6	4400	2590	24	75.2	27.24	92.94	23.43	79.93	7.83	29.29	99.94	22.55	76.95	7.92	30.46	103.93	21.32	72.75	7.99
				27	80.6	27.51	93.86	23.66	80.72	7.92	29.58	100.93	22.78	77.71	8.01	30.76	104.96	21.53	73.47	8.08
				29	84.2	27.51	93.86	23.66	80.72	8.01	29.58	100.93	22.78	77.71	8.10	30.76	104.96	21.53	73.47	8.17
				31	87.8	27.78	94.78	23.89	81.51	8.10	29.87	101.92	23.00	78.48	8.19	31.06	105.99	21.75	74.20	8.26
35	95	4400	2590	24	75.2	26.70	91.10	22.96	78.35	8.90	28.71	97.96	22.11	75.43	9.00	29.86	101.88	20.90	71.31	9.08
				27	80.6	26.97	92.02	23.19	79.14	8.90	29.00	98.95	22.33	76.19	9.00	30.16	102.91	21.11	72.03	9.08
				29	84.2	27.24	92.94	23.43	79.93	9.08	29.29	99.94	22.55	76.95	9.18	30.46	103.93	21.32	72.75	9.26
				31	87.8	27.51	93.86	23.66	80.72	9.26	29.58	100.93	22.78	77.71	9.36	30.76	104.96	21.53	73.47	9.44
46	114.8	4400	2590	24	75.2	23.46	80.06	20.18	68.85	10.24	25.23	86.08	19.43	66.29	10.35	26.24	89.53	18.37	62.67	10.44
				27	80.6	23.73	80.98	20.41	69.64	10.41	25.52	87.07	19.65	67.05	10.53	26.54	90.56	18.58	63.39	10.62
				29	84.2	23.73	80.98	20.41	69.64	10.50	25.52	87.07	19.65	67.05	10.62	26.54	90.56	18.58	63.39	10.72
				31	87.8	24.00	81.90	20.64	70.43	10.59	25.81	88.06	19.87	67.81	10.71	26.84	91.59	18.79	64.11	10.81
52	125.6	4400	2590	24	75.2	19.69	67.18	16.93	57.77	9.61	21.17	72.23	16.30	55.62	9.72	22.02	75.12	15.41	52.58	9.81
				27	80.6	20.23	69.02	17.40	59.35	9.70	21.75	74.21	16.75	57.14	9.81	22.62	77.18	15.83	54.03	9.90
				29	84.2	20.77	70.86	17.86	60.94	9.79	22.33	76.19	17.19	58.67	9.90	23.22	79.24	16.26	55.47	9.99
				31	87.8	21.58	73.62	18.56	63.31	9.88	23.20	79.16	17.86	60.95	9.99	24.13	82.32	16.89	57.63	10.08

Model : TK-H10TH/NaA-X(L)

Outdoor Air DBT		Air Flow Rate		Entering Air DBT		Indoor Air Wet Bulb Temperature°C (°F)														
						17°C(62.6°F)					19°C(66.2°F)					22°C(71.6°F)				
						TC		SCC		PI	TC		SCC		PI	TC		SCC		PI
°C	°F	m³/hr	cfm	°C	°F	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW
27	80.6	5800	3413	24	75.2	34.28	116.97	27.77	94.75	11.76	35.34	120.59	27.57	94.06	11.88	36.76	125.41	25.73	87.79	12.00
				27	80.6	34.63	118.15	28.05	95.70	11.89	35.70	121.81	27.85	95.01	12.02	37.13	126.68	25.99	88.68	12.14
				29	84.2	35.32	120.52	28.61	97.62	12.03	36.41	124.24	28.40	96.91	12.15	37.87	129.21	26.51	90.45	12.27
				31	87.8	36.01	122.88	29.17	99.53	12.16	37.13	126.68	28.96	98.81	12.29	38.61	131.75	27.03	92.22	12.41
35	95	5800	3413	24	75.2	32.65	111.40	26.45	90.24	13.10	33.66	114.85	26.25	89.58	13.23	35.01	119.44	24.50	83.61	13.36
				27	80.6	32.98	112.53	26.71	91.15	13.37	34.00	116.01	26.52	90.49	13.50	35.36	120.65	24.75	84.45	13.64
				29	84.2	33.64	114.78	27.25	92.97	13.63	34.68	118.33	27.05	92.30	13.77	36.07	123.06	25.25	86.14	13.91
				31	87.8	34.30	117.03	27.78	94.79	13.90	35.36	120.65	27.58	94.11	14.04	36.77	125.47	25.74	87.83	14.18
46	114.8	5800	3413	24	75.2	29.06	99.15	23.54	80.31	14.97	29.96	102.21	23.37	79.73	15.12	31.16	106.30	21.81	74.41	15.27
				27	80.6	29.35	100.15	23.78	81.12	15.24	30.26	103.25	23.60	80.53	15.39	31.47	107.38	22.03	75.16	15.54
				29	84.2	29.94	102.15	24.25	82.74	15.37	30.87	105.31	24.07	82.14	15.53	32.10	109.52	22.47	76.67	15.68
				31	87.8	30.53	104.16	24.73	84.37	15.64	31.47	107.38	24.55	83.75	15.80	32.73	111.67	22.91	78.17	15.95
52	125.6	5800	3413	24	75.2	22.86	77.98	18.51	63.17	14.57	23.56	80.39	18.38	62.71	14.72	24.50	83.61	17.15	58.53	14.86

				27	80.6	23.09	78.77	18.70	63.80	14.70	23.80	81.21	18.56	63.34	14.85	24.75	84.45	17.33	59.12	15.00
				29	84.2	23.55	80.34	19.07	65.08	14.84	24.28	82.83	18.94	64.61	14.99	25.25	86.14	17.67	60.30	15.13
				31	87.8	24.01	81.92	19.45	66.36	14.97	24.75	84.45	19.31	65.87	15.12	25.74	87.83	18.02	61.48	15.27

Model : TK-H15TH/NaA-M(L)

Outdoor Air DBT		Air Flow Rate		Entering Air DBT		Indoor Air Wet Bulb Temperature°C (°F)														
						17°C(62.6°F)					19°C(66.2°F)					22°C(71.6°F)				
						TC		SCC		PI	TC		SCC		PI	TC		SCC		PI
°C	°F	m³/hr	cfm	°C	°F	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW
27	80.6	9500	5592	24	75.2	47.06	160.57	40.47	138.1	20.02	50.60	172.65	38.96	132.9	20.24	52.63	179.56	36.84	125.7	20.42
				27	80.6	47.52	162.15	40.87	139.5	20.24	51.10	174.36	39.35	134.3	20.47	53.15	181.33	37.20	126.9	20.65
				29	84.2	47.52	162.15	40.87	139.5	20.47	51.10	174.36	39.35	134.3	20.70	53.15	181.33	37.20	126.9	20.89
				31	87.8	47.99	163.74	41.27	140.8	20.70	51.60	176.07	39.73	135.6	20.93	53.67	183.11	37.57	128.2	21.12
35	95	9500	5592	24	75.2	46.13	157.39	39.67	135.4	22.75	49.60	169.23	38.19	130.3	23.00	51.58	176.00	36.11	123.2	23.21
				27	80.6	46.59	158.98	40.07	136.7	22.75	50.10	170.94	38.58	131.6	23.00	52.10	177.78	36.47	124.5	23.21
				29	84.2	47.06	160.57	40.47	138.1	23.20	50.60	172.65	38.96	132.9	23.46	52.63	179.56	36.84	125.7	23.67
				31	87.8	47.52	162.15	40.87	139.5	23.66	51.10	174.36	39.35	134.3	23.92	53.15	181.33	37.20	126.9	24.14
46	114.8	9500	5592	24	75.2	40.54	138.31	34.86	118.9	26.16	43.59	148.72	33.56	114.5	26.45	45.33	154.67	31.73	108.3	26.69
				27	80.6	41.00	139.90	35.26	120.3	26.61	44.09	150.43	33.95	115.8	26.91	45.85	156.45	32.10	109.5	27.15
				29	84.2	41.00	139.90	35.26	120.3	26.84	44.09	150.43	33.95	115.8	27.14	45.85	156.45	32.10	109.5	27.38
				31	87.8	41.47	141.49	35.66	121.7	27.07	44.59	152.14	34.33	117.2	27.37	46.37	158.22	32.46	110.8	27.62
52	125.6	9500	5592	24	75.2	34.01	116.05	29.25	99.80	24.57	36.57	124.79	28.16	96.09	24.84	38.04	129.78	26.63	90.84	25.06
				27	80.6	34.94	119.23	30.05	102.5	24.79	37.58	128.21	28.93	98.72	25.07	39.08	133.33	27.35	93.33	25.30
				29	84.2	35.88	122.41	30.85	105.3	25.02	38.58	131.62	29.70	101.4	25.30	40.12	136.89	28.08	95.82	25.53
				31	87.8	37.27	127.18	32.06	109.4	25.25	40.08	136.75	30.86	105.3	25.53	41.68	142.22	29.18	99.56	25.76

Model : TK-H20TH/NaA-M(L)

Outdoor Air DBT		Air Flow Rate		Entering Air DBT		Indoor Air Wet Bulb Temperature°C (°F)														
						17°C(62.6°F)					19°C(66.2°F)					22°C(71.6°F)				
						TC		SCC		PI	TC		SCC		PI	TC		SCC		PI
°C	°F	m³/hr	cfm	°C	°F	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW
27	80.6	1500	8829	24	75.2	59.65	203.51	51.30	175.0	24.80	64.14	218.83	49.38	168.5	25.08	66.70	227.58	46.69	159.3	25.31
				27	80.6	60.24	205.53	51.80	176.7	25.09	64.77	221.00	49.87	170.2	25.37	67.36	229.84	47.15	160.9	25.59
				29	84.2	60.24	205.53	51.80	176.7	25.37	64.77	221.00	49.87	170.2	25.65	67.36	229.84	47.15	160.9	25.88
				31	87.8	60.83	207.54	52.31	178.5	25.65	65.41	223.16	50.36	171.8	25.94	68.02	232.09	47.61	162.5	26.17
35	95	1500	8829	24	75.2	58.46	199.48	50.28	171.5	28.19	62.87	214.50	48.41	165.2	28.50	65.38	223.08	45.77	156.1	28.76
				27	80.6	59.06	201.50	50.79	173.3	28.19	63.50	216.66	48.90	166.8	28.50	66.04	225.33	46.23	157.7	28.76
				29	84.2	59.65	203.51	51.30	175.0	28.75	64.14	218.83	49.38	168.5	29.07	66.70	227.58	46.69	159.3	29.33
				31	87.8	60.24	205.53	51.80	176.7	29.31	64.77	221.00	49.87	170.2	29.64	67.36	229.84	47.15	160.9	29.91
46	114.8	1500	8829	24	75.2	51.38	175.30	44.18	150.8	32.41	55.25	188.50	42.54	145.1	32.78	57.45	196.04	40.22	137.2	33.07
				27	80.6	51.97	177.32	44.69	152.5	32.98	55.88	190.66	43.03	146.8	33.35	58.12	198.29	40.68	138.8	33.65
				29	84.2	51.97	177.32	44.69	152.5	33.26	55.88	190.66	43.03	146.8	33.63	58.12	198.29	40.68	138.8	33.93
				31	87.8	52.56	179.33	45.20	154.2	33.54	56.52	192.83	43.52	148.5	33.92	58.78	200.54	41.14	140.4	34.22
52	125.6	1500	8829	24	75.2	43.11	147.09	37.07	126.5	30.44	46.36	158.16	35.69	121.8	30.78	48.21	164.49	33.75	115.1	31.06
				27	80.6	44.29	151.12	38.09	129.9	30.72	47.63	162.50	36.67	125.1	31.07	49.53	169.00	34.67	118.3	31.34

				29	84.2	45.47	155.15	39.11	133.4	31.01	48.90	166.83	37.65	128.5	31.35	50.85	173.50	35.60	121.4	31.63
				31	87.8	47.24	161.20	40.63	138.6	31.29	50.80	173.33	39.12	133.4	31.64	52.83	180.26	36.98	126.2	31.92

Model : TK-H25TH/NaA-M(L)

Outdoor Air DBT		Air Flow Rate		Entering Air DBT		Indoor Air Wet Bulb Temperature°C (°F)														
°C	°F	m³/hr	cfm	°C	°F	17°C(62.6°F)					19°C(66.2°F)					22°C(71.6°F)				
						TC		SCC		PI	TC		SCC		PI	TC		SCC		PI
°C	°F	m³/hr	cfm	°C	°F	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW
27	80.6	1650	9712	24	75.2	83.60	285.24	71.89	245.3	33.07	89.89	306.70	69.22	236.2	33.44	93.49	318.97	65.44	223.3	33.74
				27	80.6	84.43	288.06	72.61	247.7	33.45	90.78	309.74	69.90	238.5	33.82	94.41	322.13	66.09	225.5	34.12
				29	84.2	84.43	288.06	72.61	247.7	33.82	90.78	309.74	69.90	238.5	34.20	94.41	322.13	66.09	225.5	34.51
				31	87.8	85.25	290.88	73.32	250.2	34.20	91.67	312.78	70.59	240.8	34.58	95.34	325.29	66.74	227.7	34.89
35	95	1650	9712	24	75.2	81.94	279.59	70.47	240.4	37.58	88.11	300.63	67.84	231.5	38.00	91.63	312.66	64.14	218.9	38.34
				27	80.6	82.77	282.41	71.18	242.9	37.58	89.00	303.67	68.53	233.8	38.00	92.56	315.81	64.79	221.1	38.34
				29	84.2	83.60	285.24	71.89	245.3	38.33	89.89	306.70	69.22	236.2	38.76	93.49	318.97	65.44	223.3	39.11
				31	87.8	84.43	288.06	72.61	247.7	39.09	90.78	309.74	69.90	238.5	39.52	94.41	322.13	66.09	225.5	39.88
46	114.8	1650	9712	24	75.2	72.01	245.70	61.93	211.3	43.22	77.43	264.19	59.62	203.4	43.70	80.53	274.76	56.37	192.3	44.09
				27	80.6	72.84	248.52	62.64	213.7	43.97	78.32	267.23	60.31	205.8	44.46	81.45	277.92	57.02	194.5	44.86
				29	84.2	72.84	248.52	62.64	213.7	44.35	78.32	267.23	60.31	205.8	44.84	81.45	277.92	57.02	194.5	45.24
				31	87.8	73.67	251.35	63.35	216.2	44.72	79.21	270.26	60.99	208.1	45.22	82.38	281.08	57.66	196.7	45.63
52	125.6	1650	9712	24	75.2	60.42	206.16	51.96	177.3	40.59	64.97	221.68	50.03	170.7	41.04	67.57	230.54	47.30	161.4	41.41
				27	80.6	62.08	211.81	53.39	182.2	40.96	66.75	227.75	51.40	175.4	41.42	69.42	236.86	48.59	165.8	41.79
				29	84.2	63.73	217.46	54.81	187.0	41.34	68.53	233.82	52.77	180.0	41.80	71.27	243.18	49.89	170.2	42.18
				31	87.8	66.22	225.93	56.95	194.3	41.72	71.20	242.93	54.82	187.1	42.18	74.05	252.65	51.83	176.9	42.56

Model : TK-H30TC/NaA-M(L)

Outdoor Air DBT		Air Flow Rate		Entering Air DBT		Indoor Air Wet Bulb Temperature°C (°F)														
°C	°F	m³/hr	cfm	°C	°F	17°C(62.6°F)					19°C(66.2°F)					22°C(71.6°F)				
						TC		SCC		PI	TC		SCC		PI	TC		SCC		PI
°C	°F	m³/hr	cfm	°C	°F	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW
27	80.6	1500	8829	24	75.2	100.6	343	75.42	257	40.54	114.3	390	79.99	273	42.44	117.7	402	63.56	217	40.82
				27	80.6	101.6	347	81.27	277	40.95	115.4	394	84.27	288	42.87	118.	406	70.15	239	41.24
				29	84.2	102.6	350	83.11	284	40.33	116.6	398	88.62	302	45.08	120.1	410	78.06	266	41.35
				31	87.8	103.6	354	87.05	297	39.11	117.8	402	93.04	317	42.73	121.3	414	84.91	290	41.46
35	95	1500	8829	24	75.2	91.41	312	68.56	234	46.87	103.9	354	72.72	248	49.49	107.0	365	57.78	197	47.17
				27	80.6	92.35	315	73.88	252	47.35	104.9	358	76.61	261	50.00	108.1	369	63.77	218	47.65
				29	84.2	93.28	318	75.56	258	46.32	106.0	362	80.56	275	50.00	109.2	373	70.97	242	47.69
				31	87.8	94.21	321	79.14	270	44.89	107.1	365	84.58	289	49.51	110.3	376	77.19	263	47.72
46	114.8	1500	8829	24	75.2	68.30	233	51.23	175	31.83	77.62	265	54.33	185	33.61	79.94	273	43.17	147	32.03
				27	80.6	69.00	235	55.20	188	32.16	78.41	268	57.24	195	33.96	80.76	276	47.65	163	32.36
				29	84.2	69.70	238	56.45	193	31.45	79.20	270	60.19	205	34.30	81.58	278	53.02	181	32.38
				31	87.8	71.09	243	59.72	204	30.79	80.78	276	63.82	218	33.96	83.21	284	58.25	199	32.73
52	125.6	1500	8829	24	75.2	60.37	206	45.28	154	35.15	68.60	234	48.02	164	37.12	70.66	241	38.16	130	35.38
				27	80.6	60.98	208	48.79	166	35.51	69.30	236	50.59	173	37.50	71.38	244	42.11	144	35.74
				29	84.2	61.60	210	49.90	170	34.74	70.00	239	53.20	182	37.50	72.10	246	46.87	160	35.76

				31	87.8	62.22	212	52.26	178	33.67	70.70	241	55.85	191	37.13	72.82	248	50.97	174	35.79
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Model : TK-C30TH/NaA-M(L)

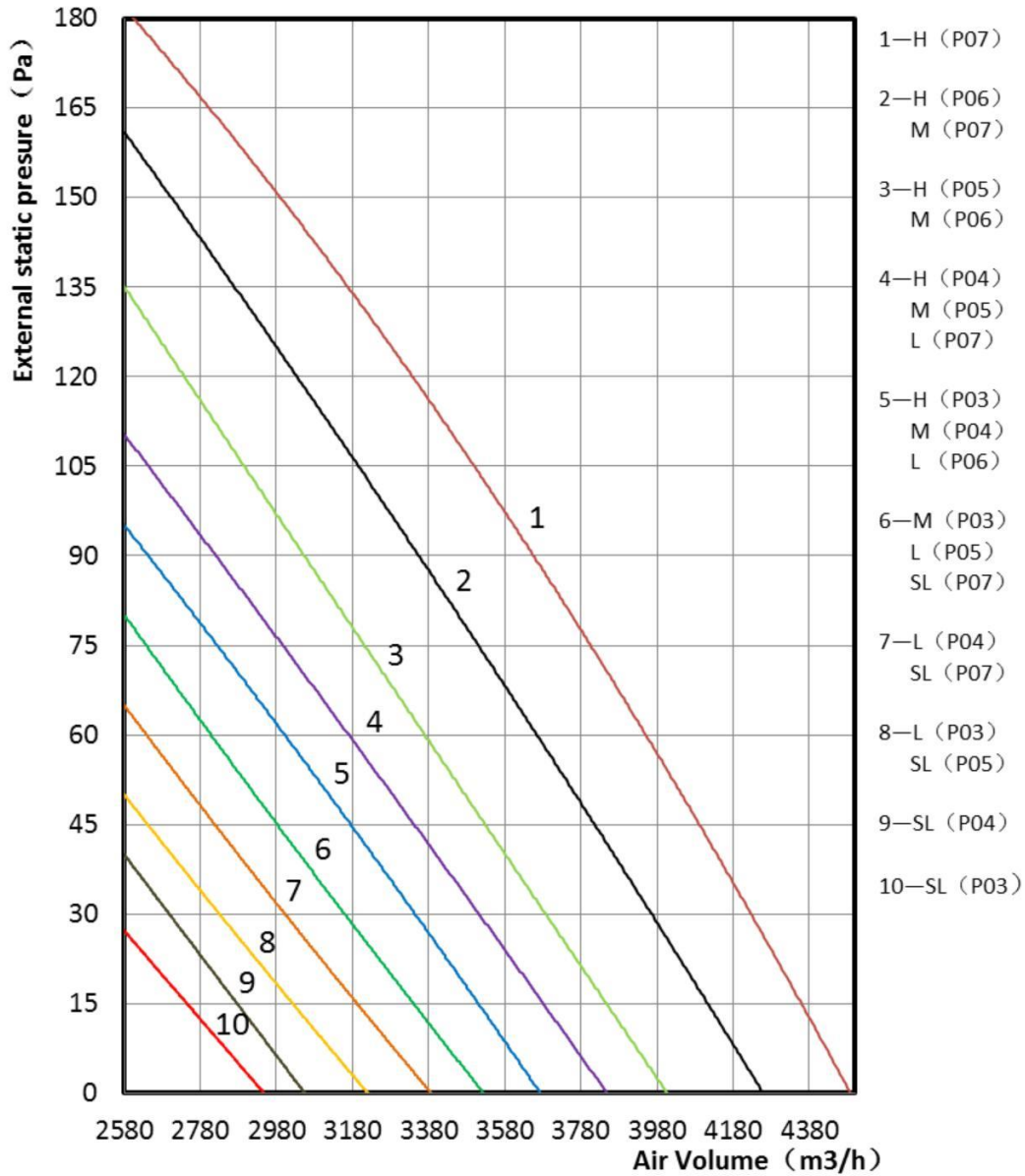
Outdoor Air DBT		Air Flow Rate		Entering Air DBT		Indoor Air Wet Bulb Temperature °C (°F)															
						17°C(62.6°F)					19°C(66.2°F)					22°C(71.6°F)					
						TC		SCC		PI	TC		SCC		PI	TC		SCC		PI	
°C	°F	m³/hr	cfm	°C	°F	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW	kW	Mbh	kW	Mbh	kW	
27	80.6	185	108	89	24	75.2	98.63	336.51	84.82	289.4	29.59	106.0	361.84	81.66	278.6	29.92	110.2	376.32	77.20	263.4	30.19
					27	80.6	99.60	339.85	85.66	292.2	29.93	107.1	365.43	82.47	281.3	30.26	111.3	380.04	77.97	266.0	30.53
					29	84.2	99.60	339.85	85.66	292.2	30.26	107.1	365.43	82.47	281.3	30.60	111.3	380.04	77.97	266.0	30.88
					31	87.8	100.5	343.18	86.50	295.1	30.60	108.1	369.01	83.28	284.1	30.94	112.4	383.77	78.73	268.6	31.22
35	95	185	108	89	24	75.2	96.67	329.85	83.14	283.6	33.63	103.9	354.68	80.04	273.1	34.00	108.1	368.86	75.68	258.2	34.31
					27	80.6	97.65	333.18	83.98	286.5	33.63	105.0	358.26	80.85	275.8	34.00	109.2	372.59	76.44	260.8	34.31
					29	84.2	98.63	336.51	84.82	289.4	34.30	106.0	361.84	81.66	278.6	34.68	110.2	376.32	77.20	263.4	34.99
					31	87.8	99.60	339.85	85.66	292.2	34.97	107.1	365.43	82.47	281.3	35.36	111.3	380.04	77.97	266.0	35.68
46	114.8	185	108	89	24	75.2	84.96	289.87	73.06	249.2	38.67	91.35	311.69	70.34	240.0	39.10	95.00	324.15	66.50	226.9	39.45
					27	80.6	85.93	293.20	73.90	252.1	39.34	92.40	315.27	71.15	242.7	39.78	96.10	327.88	67.27	229.5	40.14
					29	84.2	85.93	293.20	73.90	252.1	39.68	92.40	315.27	71.15	242.7	40.12	96.10	327.88	67.27	229.5	40.48
					31	87.8	86.91	296.53	74.74	255.0	40.01	93.45	318.85	71.96	245.5	40.46	97.19	331.61	68.03	232.1	40.82
52	125.6	185	108	89	24	75.2	71.28	243.22	61.30	209.1	36.32	76.65	261.53	59.02	201.3	36.72	79.72	271.99	55.80	190.3	37.05
					27	80.6	73.24	249.89	62.98	214.9	36.65	78.75	268.70	60.64	206.9	37.06	81.90	279.44	57.33	195.6	37.39
					29	84.2	75.19	256.55	64.66	220.6	36.99	80.85	275.86	62.25	212.4	37.40	84.08	286.89	58.86	200.8	37.74
					31	87.8	78.12	266.55	67.18	229.2	37.32	84.00	286.61	64.68	220.6	37.74	87.36	298.07	61.15	208.6	38.08

Notice:

- DBT: Dry Bulb Temperature.
- TC : Total Cooling Capacity
- SCC : Sensible Cooling Capacity
- PI : Power Input

6. AIR VOLUME STATIC PRESSURE CURVE

Model : TK-H5.5TH/NaA-X(L),GT-H6.2TH/NaA-X(L)

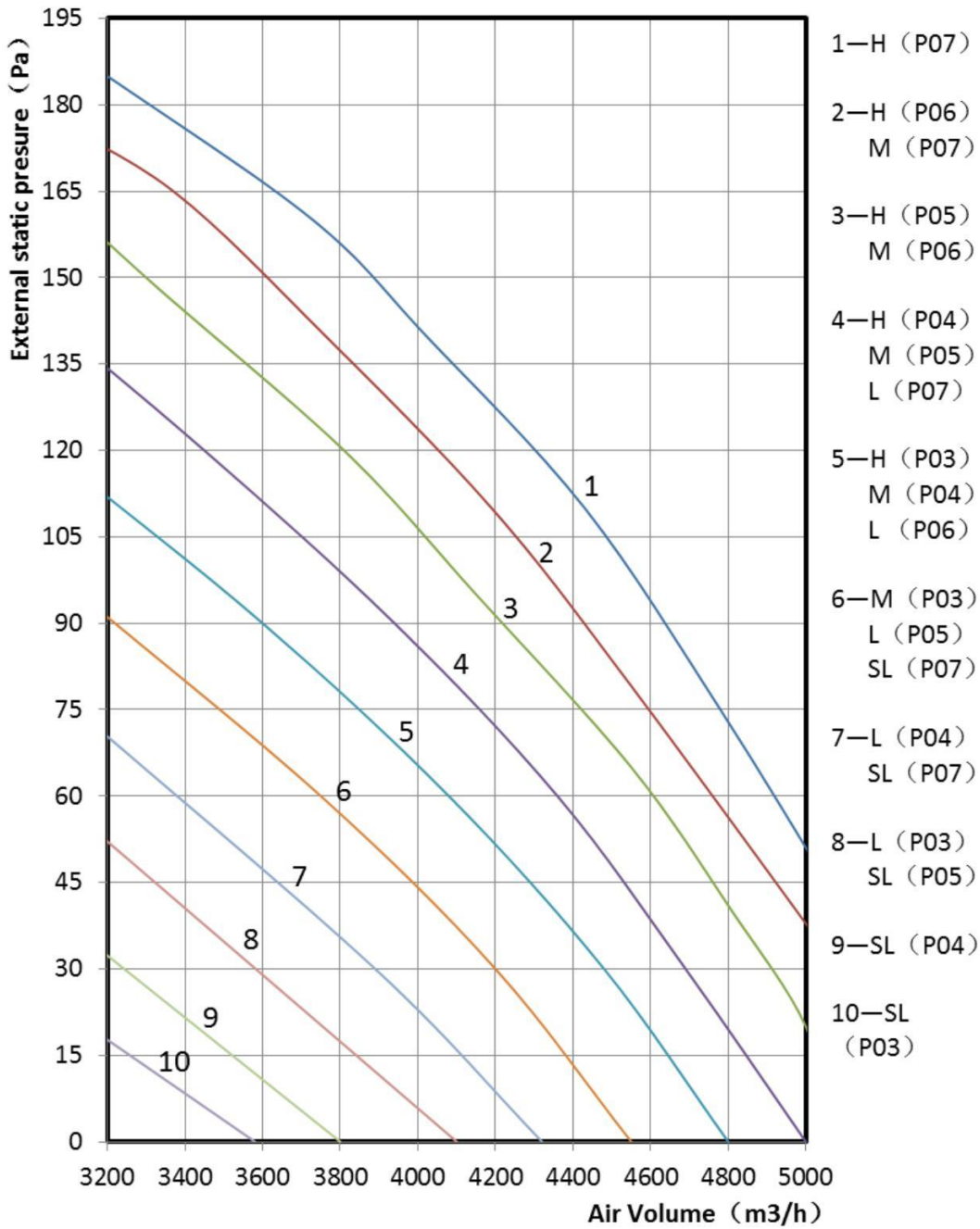


The

corresponding curves of rotating speed in different static pressure modes are as follows :

Static pressure mode	H	M	L	SL	Rated air volume static pressure (Pa)	Maximum Pressure (Pa)
P03	S5	S6	S8	S10	30	95
P04	S4	S5	S7	S9	44	110
P05	S3	S4	S6	S8	60	135
P06	S2	S3	S5	S6	90	160
P07	S1	S2	S4	S6	115	185

Model : TK-H7.5TH/NaA-X(L)



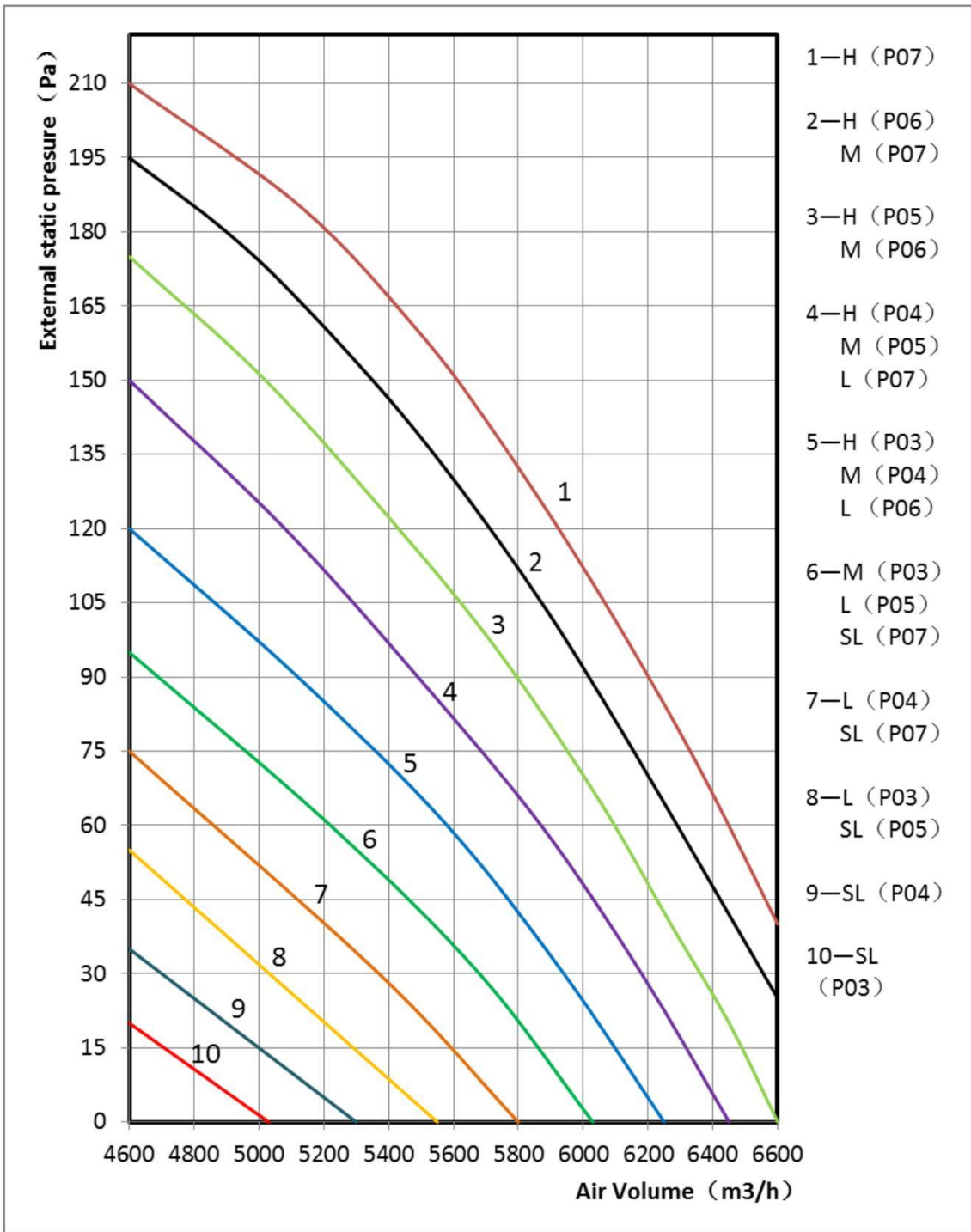
The corresponding

curves of rotating speed in different static pressure modes are as

follows:

Static pressure mode	H	M	L	SL	Rated air volume static pressure (Pa)	Maximum Pressure (Pa)
P03	S5	S6	S8	S10	38	108
P04	S4	S5	S7	S9	50	135
P05	S3	S4	S6	S8	80	155
P06	S2	S3	S5	S6	93	173
P07	S1	S2	S4	S6	113	185

Model : GK-H10TH/NaA-X(L)



The

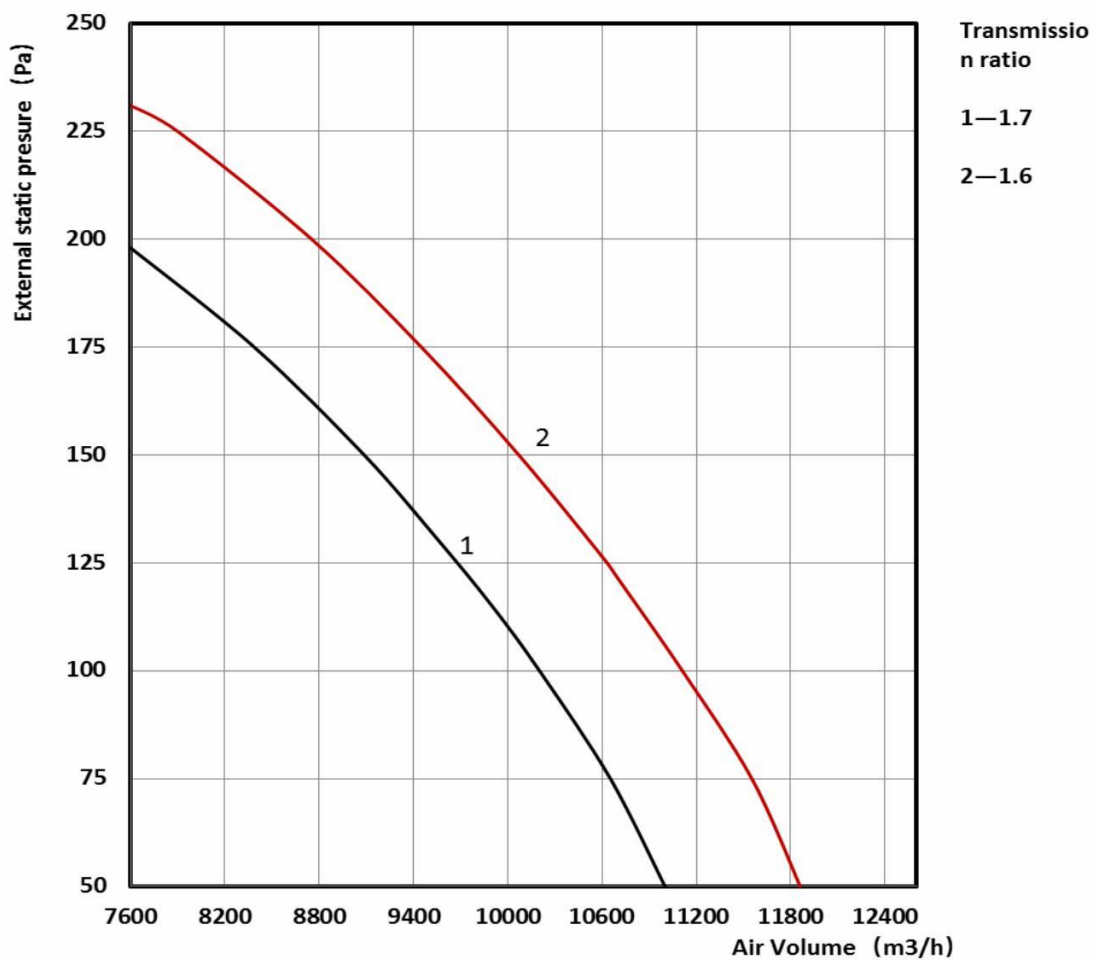
corresponding curves of rotating speed in different static pressure modes are as follows :

Static pressure mode	H	M	L	SL	Rated air volume static pressure (Pa)	Maximum Pressure (Pa)
P03	S5	S6	S8	S10	39	120
P04	S4	S5	S7	S9	68	150
P05	S3	S4	S6	S8	90	175
P06	S2	S3	S5	S6	113	195
P07	S1	S2	S4	S6	130	210

Model : TK-H15TH/NaA-M(L)

The unit can change the belt, there are two transmission ratios, corresponding to different speeds, unit default transmission ratio is 1.7. The belts are matched as follows.

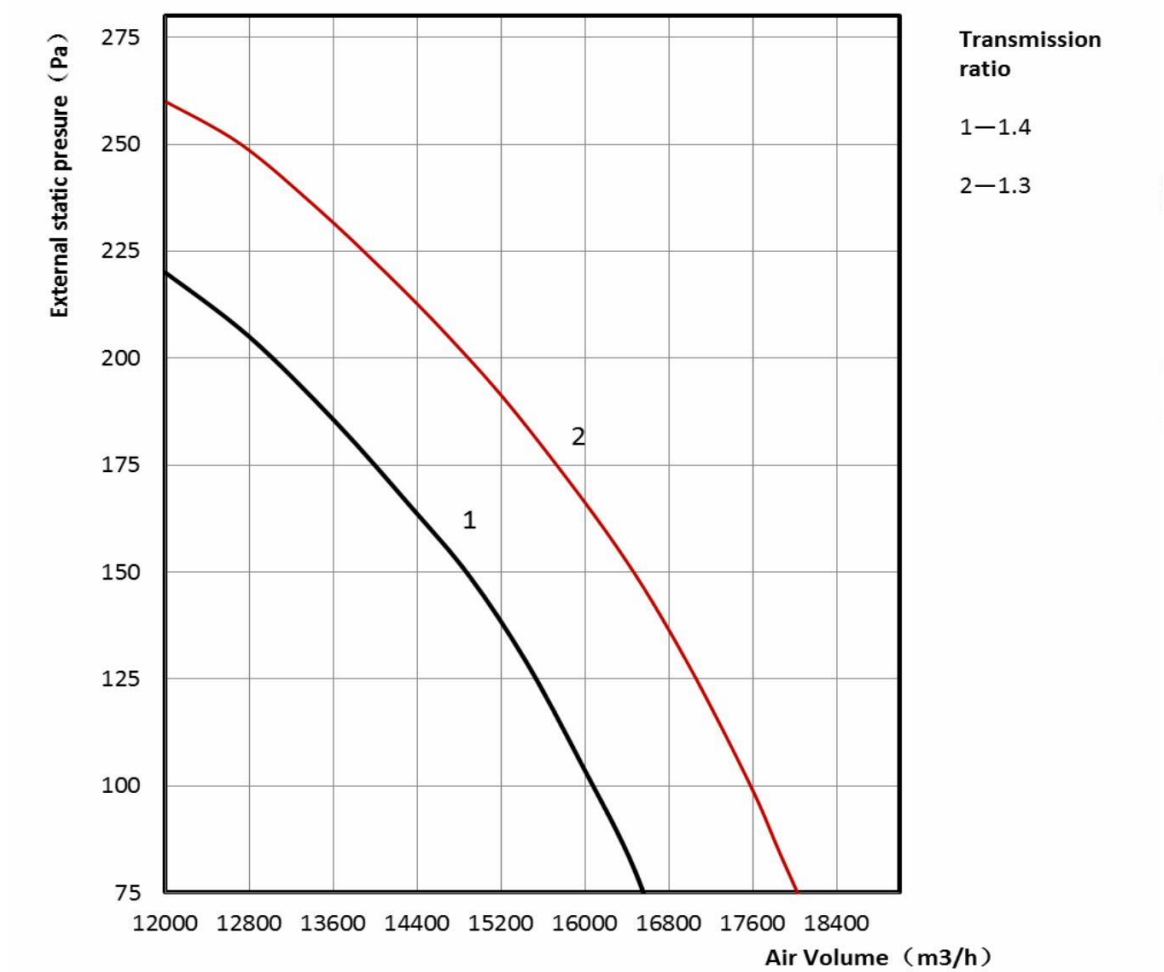
Curve	Fan speed	Transmission ratio	Motor pulley	Fan pulley	Fan taper sleeve	Belt	Rated static pressure (Pa)	Static pressure range (Pa)
S1	853	1.7	2-SPA106	2-SPA180	2012-30	SPA(1700mm)	130	50-200
S2	906	1.6	2-SPA106	2-SPA170	2012-30	SPA(1682mm)	170	50-230



Model : TK-H20TH/NaA-M(L)

The unit can change the belt, there are two transmission ratios, corresponding to different speeds, unit default transmission ratio is 1.4. The belts are matched as follows.

Curve	Fan speed	Transmission ratio	Motor pulley	Fan pulley	Fan taper sleeve	Belt	Rated static pressure (Pa)	Static pressure range (Pa)
S1	1036	1.4	2-SPA100	2-SPA140	2012-35	SPA(1432mm)	150	75-220
S2	1115	1.3	2-SPA100	2-SPA132	2012-35	SPA(1400mm)	200	75-260

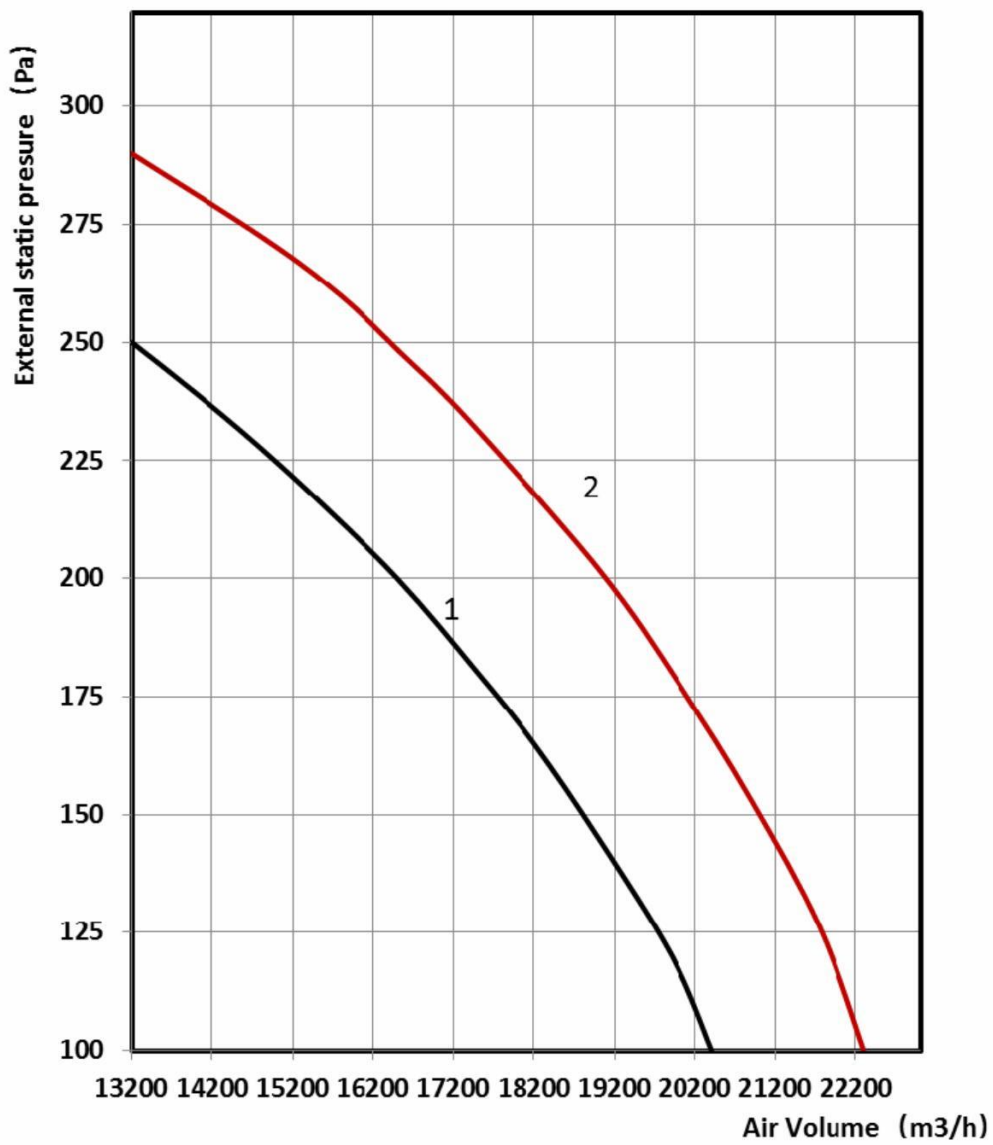


Model : TK-H25TH/NaA-M(L)

The unit can change the belt, there are two transmission ratios, corresponding to different speeds, unit default transmission ratio is 1.4. The belts are matched as follows.

Curve	Fan speed	Transmission ratio	Motor pulley	Fan pulley	Fan taper sleeve	Belt	Rated static pressure	Static pressure range
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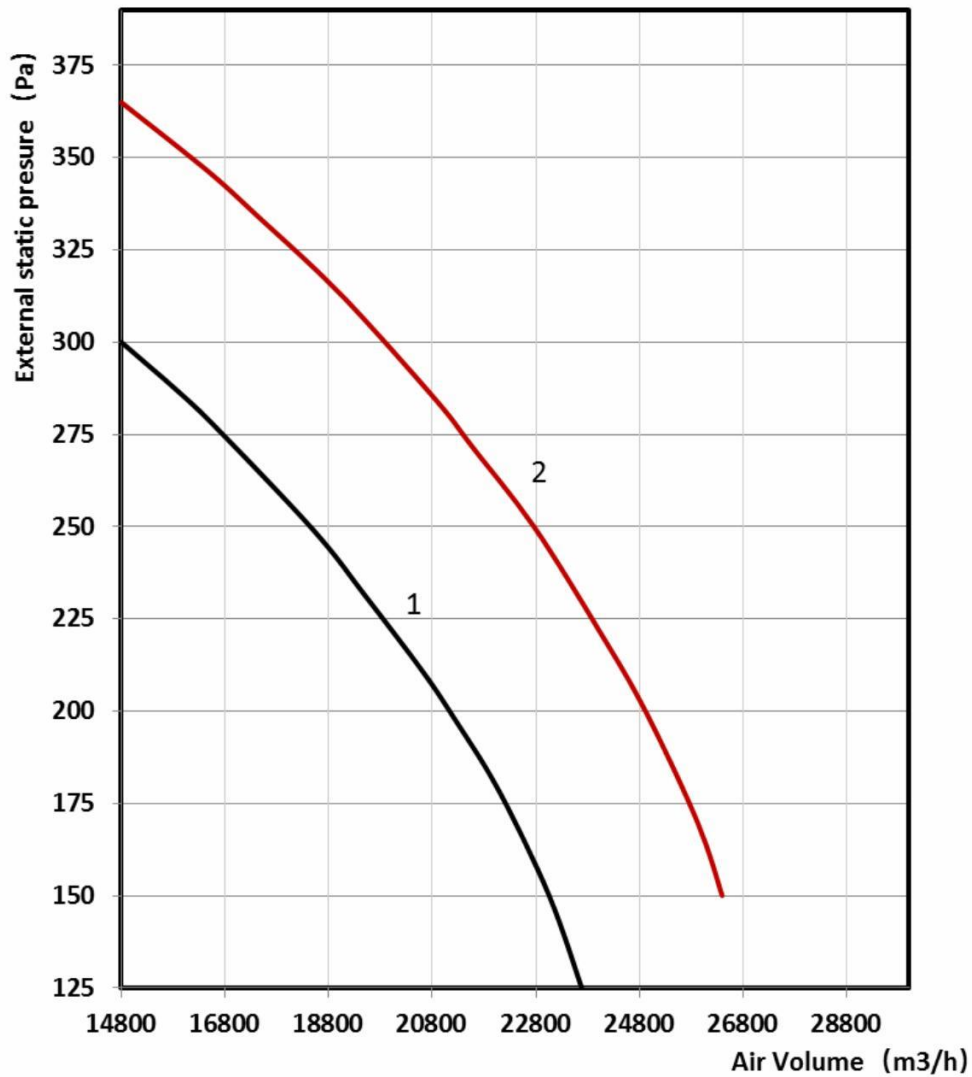
							(Pa)	(Pa)
S1	1036	1.4	2-SPA112	2-SPA160	2012-35	SPA (1432mm)	200	100-250
S2	1115	1.3	2-SPA112	2-SPA150	2012-35	SPA (1400mm)	250	100-290



Model : TK-C30TH/NaA-M(L)

The unit can change the belt, there are two transmission ratios, corresponding to different speeds, unit default transmission ratio is 2.4. The belts are matched as follows.

Curve	Fan speed	Transmission ratio	Motor pulley	Fan pulley	Fan taper sleeve	Belt	Rated static pressure (Pa)	Static pressure range (Pa)
S1	604	2.4	2-SPA150	2-SPA355	2517-40	SPA(2432mm)	250	125-300
S2	690	2.1	2-SPA150	2-SPA315	2517-40	SPA(2382mm)	320	150-365

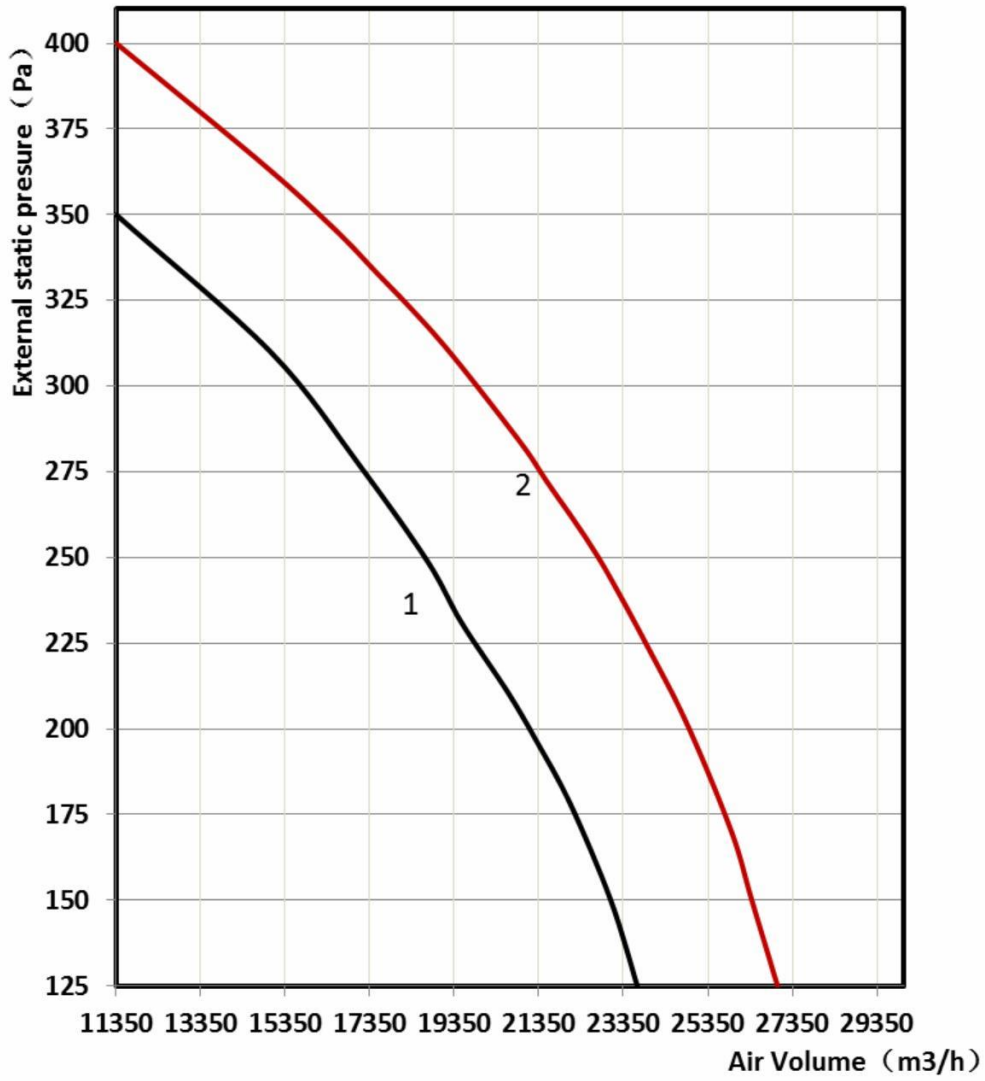


Model : TK-H30TC/NaA-M(L)

The unit can change the belt, there are two transmission ratios, corresponding to different speeds, unit default transmission ratio is 2.4. The belts are matched as follows.

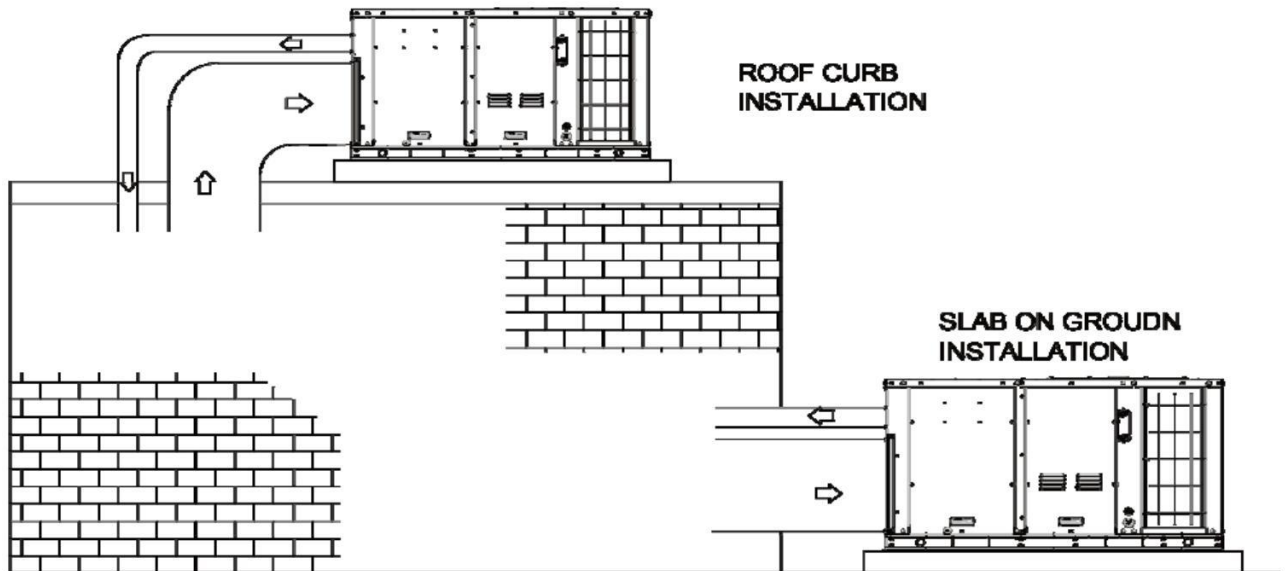
Curve	Fan speed	Transmission ratio	Motor pulley	Fan pulley	Fan taper sleeve	Belt	Rated static pressure (Pa)	Static pressure range (Pa)
S1	604	2.4	2-SPA150	2-SPA355	2517-40	SPA(2432mm)	250	125-300
S2	690	2.1	2-SPA150	2-SPA315	2517-40	SPA(2382mm)	320	150-365

S1	853	1.7	2-SPA150	2-SPA250	2517-35	SPA(2120mm)	310	125-350
S2	967	1.5	2-SPA170	2-SPA250	2517-35	SPA(2157mm)	330	125-400

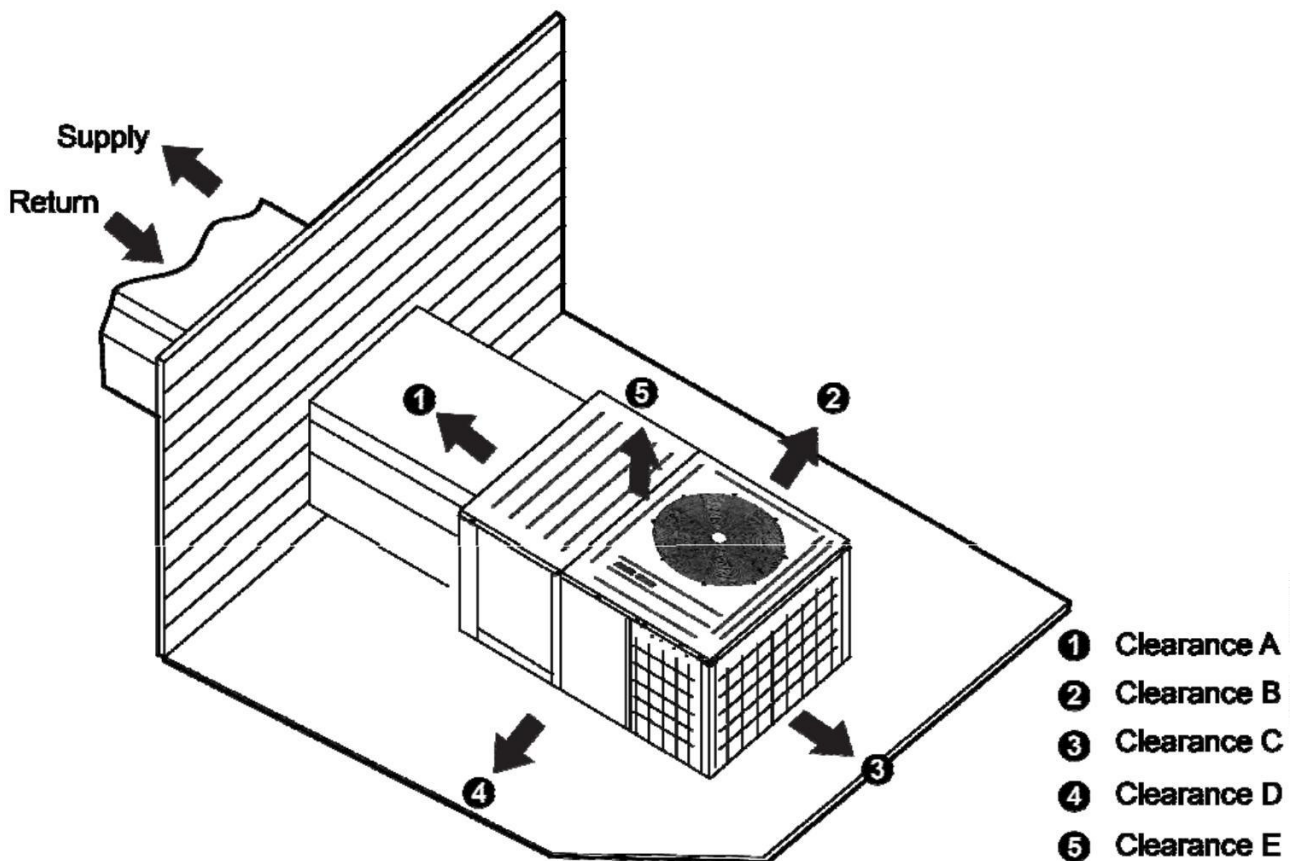


CLEARANCE DATA

6.1. Installation Positions

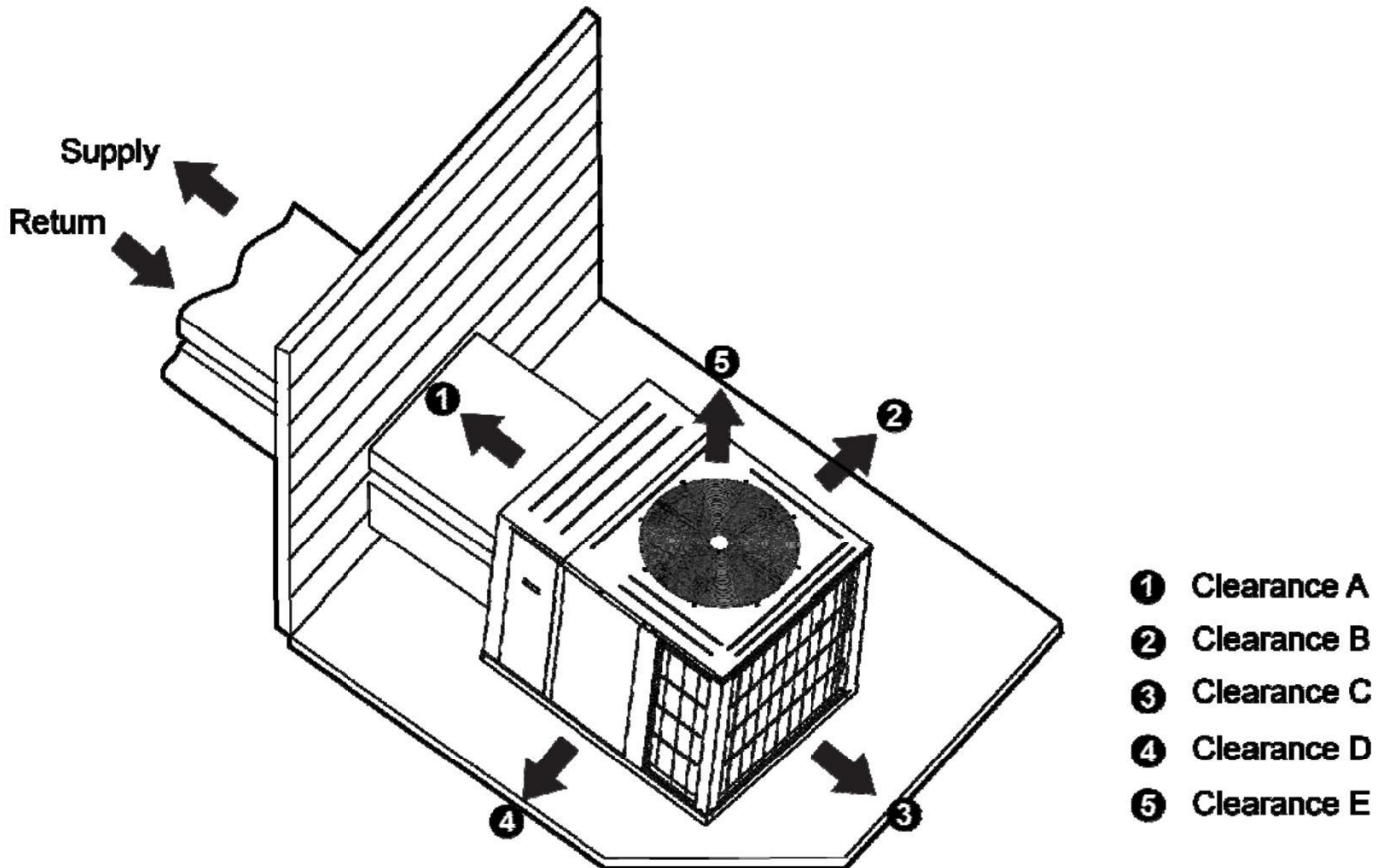


6.2. Installation Clearances

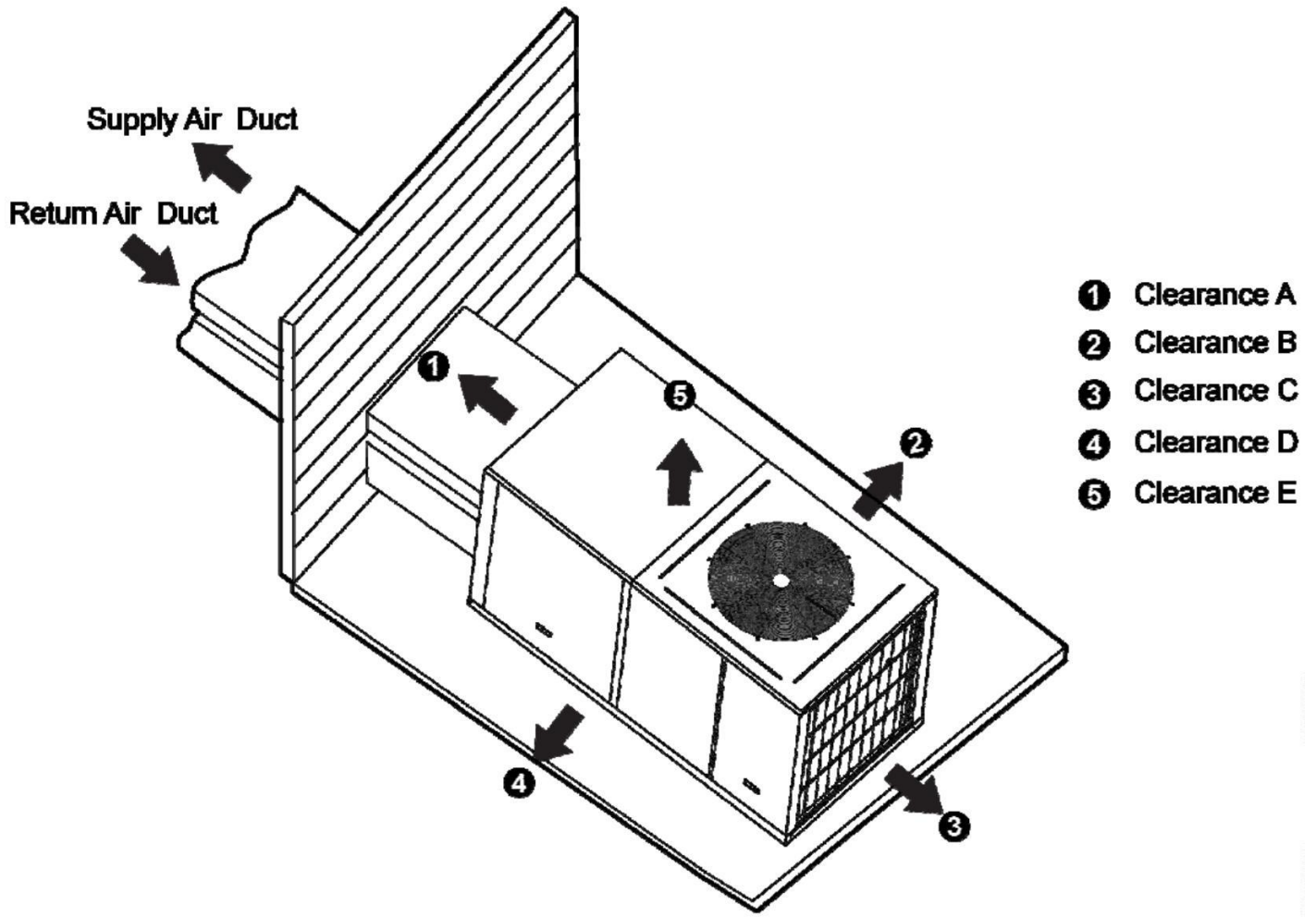


TK-H5.5TH/NaA-X(L),TK-H6.2TH/NaA-X(L)

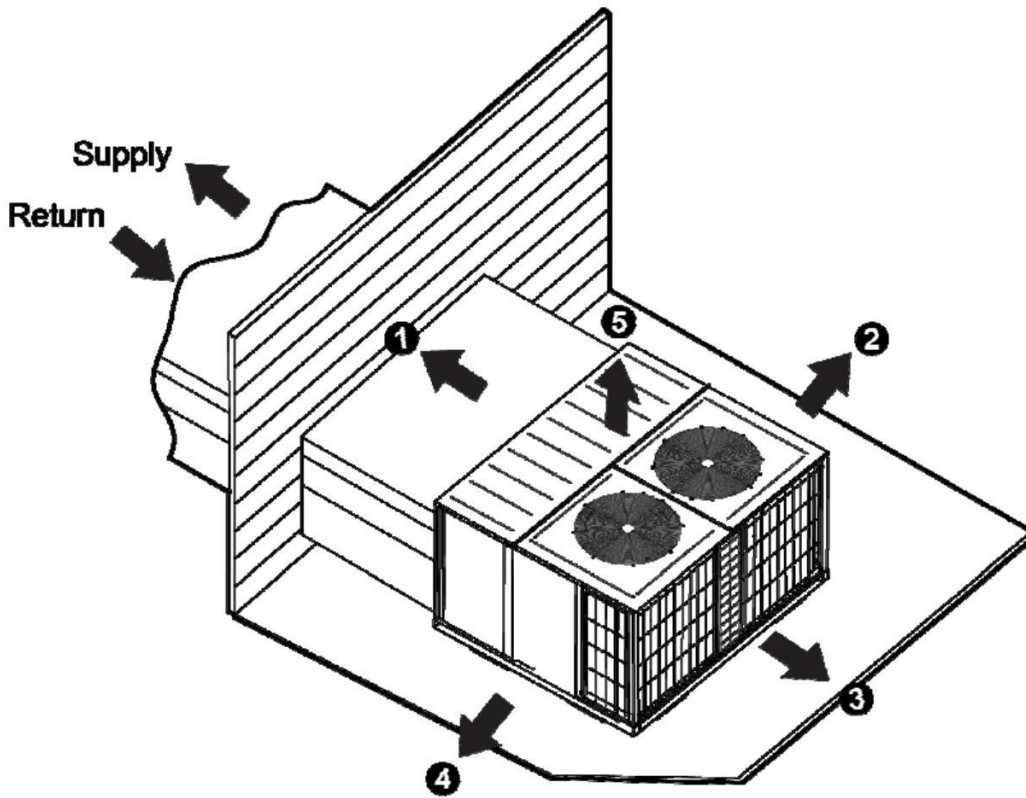
Installation clearances		
Dimension (minimum)	mm	inch
A	600	24
B	1100	43
C	860	34
D	1100	43
E	1100	43



TK-H7.5TH/NaA-X(L),TK-H10TH/NaA-X(L)

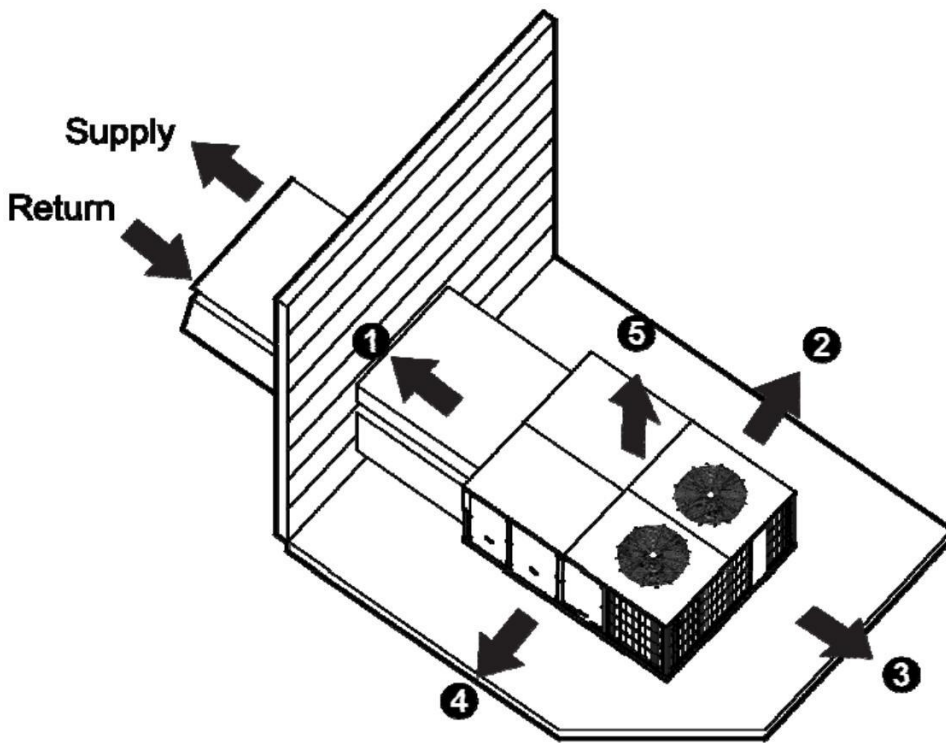


TK-H15TH/NaA-M(L)



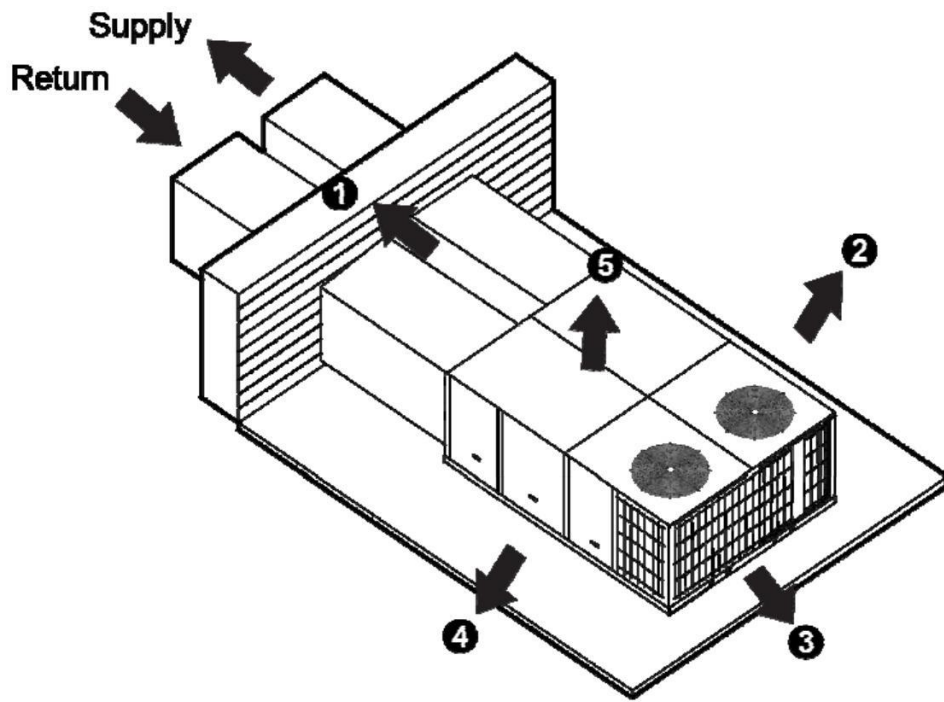
- 1** Clearance A
- 2** Clearance B
- 3** Clearance C
- 4** Clearance D
- 5** Clearance E

TK-H20TH/NaA-M(L)



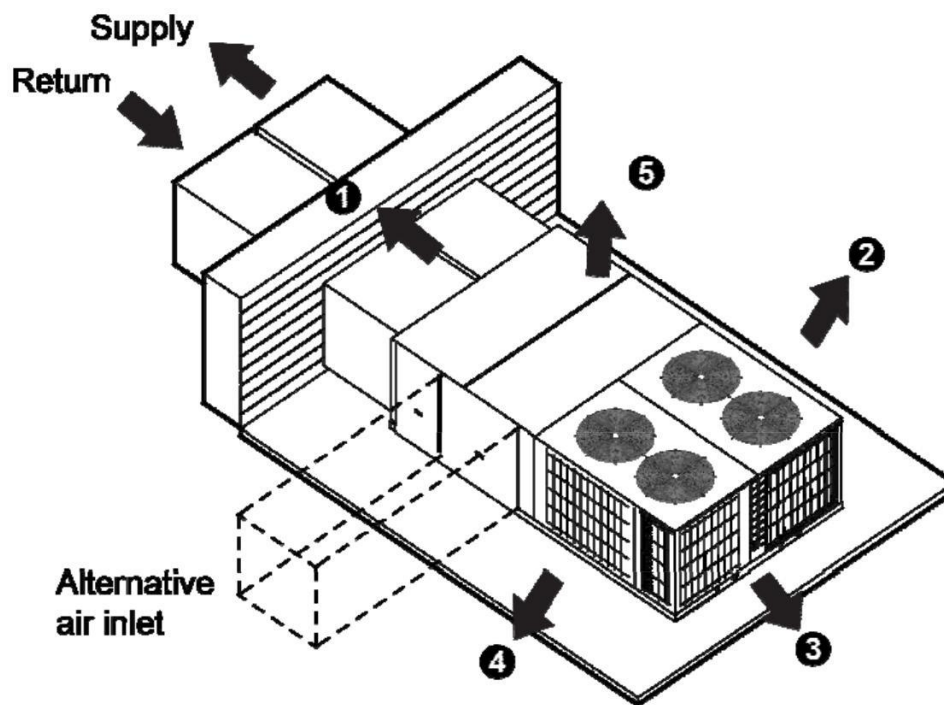
- 1** Clearance A
- 2** Clearance B
- 3** Clearance C
- 4** Clearance D
- 5** Clearance E

TK-H25TH/NaA-M(L)



- ① Clearance A
- ② Clearance B
- ③ Clearance C
- ④ Clearance D
- ⑤ Clearance E

TK-H30TC/NaA-M(L)



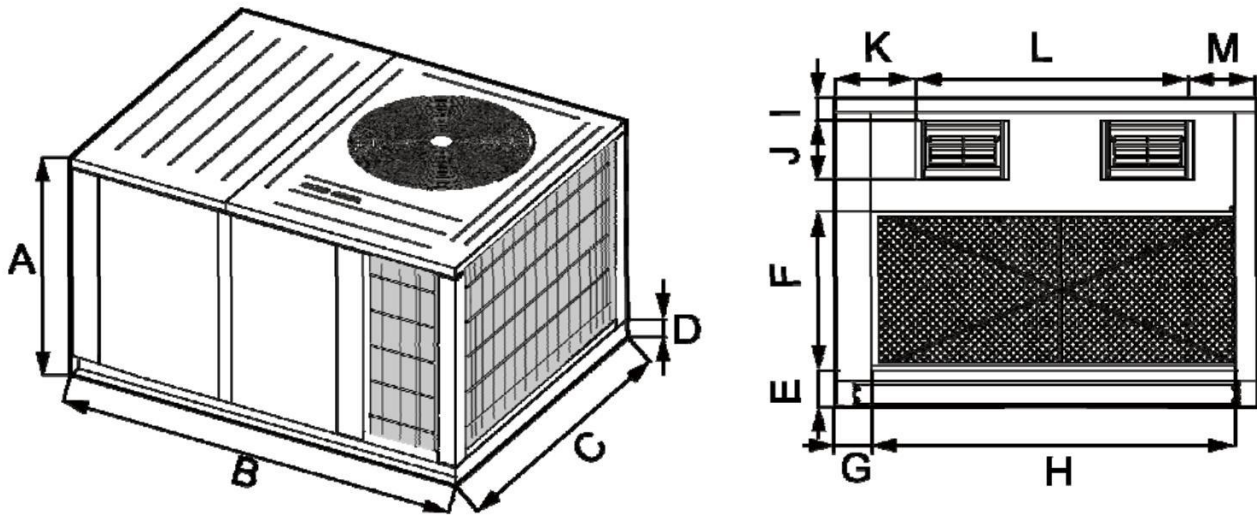
- ① Clearance A
- ② Clearance B
- ③ Clearance C
- ④ Clearance D
- ⑤ Clearance E

TK-C30TH/NaA-M(L)

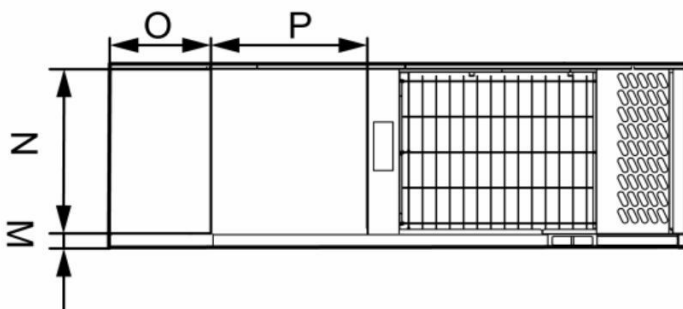
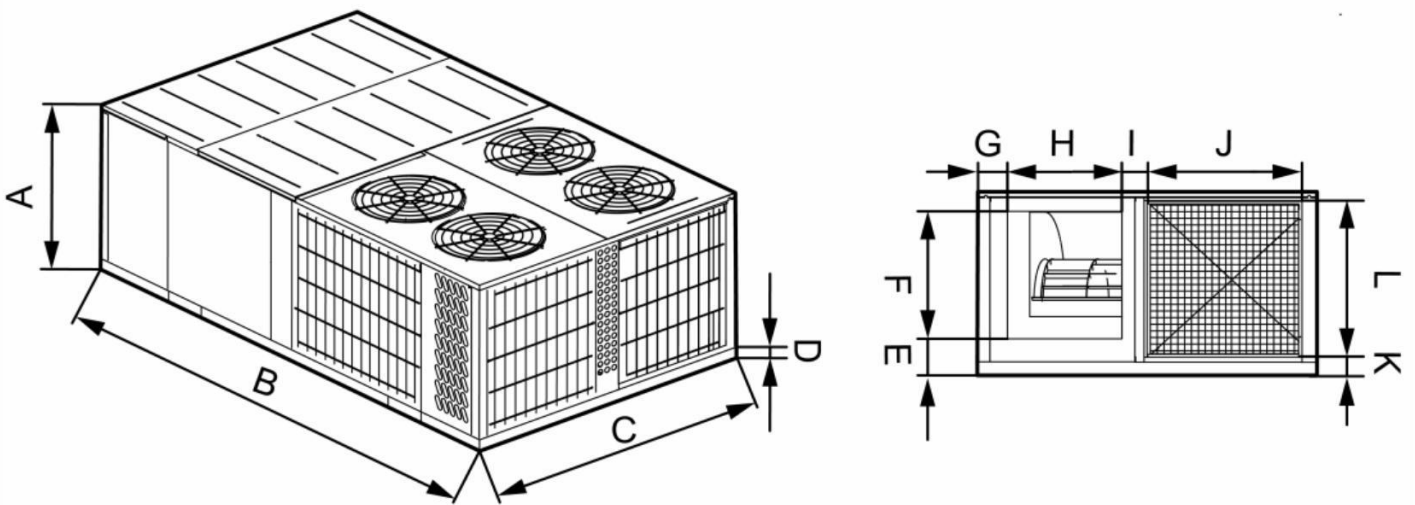
Installation clearances		
Dimension (minimum)	mm	inch
A	1000	39
B	1500	59
C	1100	43

D	1100	43
E	1830	72

7. DIMENSIONAL DATA



TK-H5.5TH/NaA-X(L), TK-H6.2TH/NaA-X(L),TK-H7.5TH/NaA-X(L),TK-H10TH/NaA-X(L),TK-H15TH/NaA-M(L)
 ,TK-H20TH/NaA-M(L),TK-H25TH/NaA-M(L),TK-H30TC/NaA-M(L)



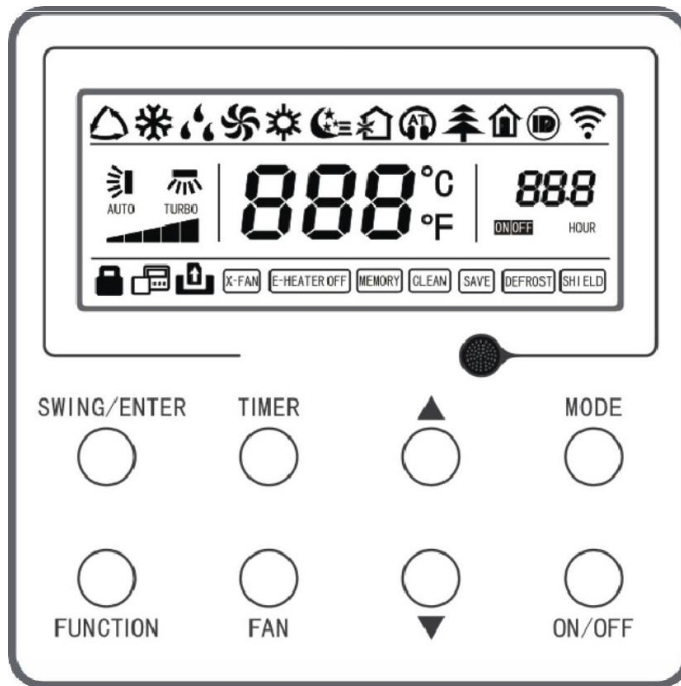
TK-C30TH/NaA-M(L)

Dimension(mm)	A	B	C	D	E	F	G	H	I	J	K	L	M
TK-H5.5TH/NaA-X(L)	815	1450	1120	70	98	417	94	916	65	190	144	866	105
TK-H6.2TH/NaA-X(L)	815	1450	1120	70	98	417	94	916	65	190	144	866	105
TK-H7.5TH/NaA-X(L)	1215	1450	1120	70	98	686	94	916	70	190	144	866	105
TK-H10TH/NaA-X(L)	1215	1450	1120	70	98	686	94	916	70	190	144	866	105
TK-H15TH/NaA-M(L)	1245	2260	1140	80	111	595	50	914	58	406	298	487	349
TK-H20TH/NaA-M(L)	1250	1880	2240	85	115	590	158	2021	45	412	311	1336	588
TK-H25TH/NaA-M(L)	1270	2880	2240	90	138	585	224	1920	71	407	294	1329	610
TK-H30TC/NaA-M(L)	1240	2850	2240	80	84	456	232	623	686	601	84	1126	/

Dimension(mm)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
TK-C30TH/NaA-M(L)	1250	3800	2240	90	252	868	192	753	169	1015	147	1024	147	1024	664	1035

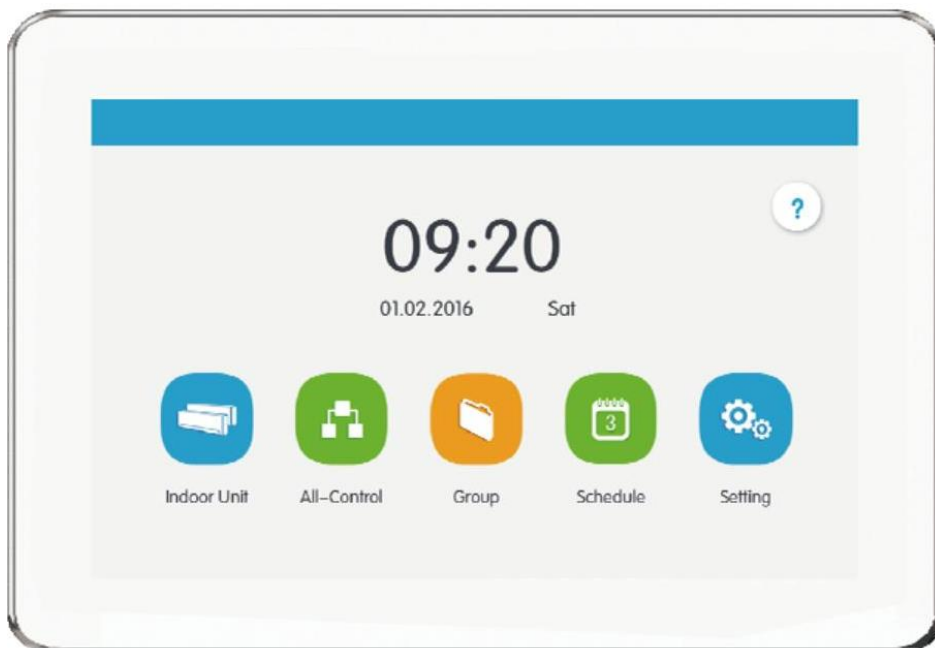
Note: Above diagrams may be different from actual model.

8. CONTROLLER



Wired Controller (Standard)

Central Controller





Modbus Gateway



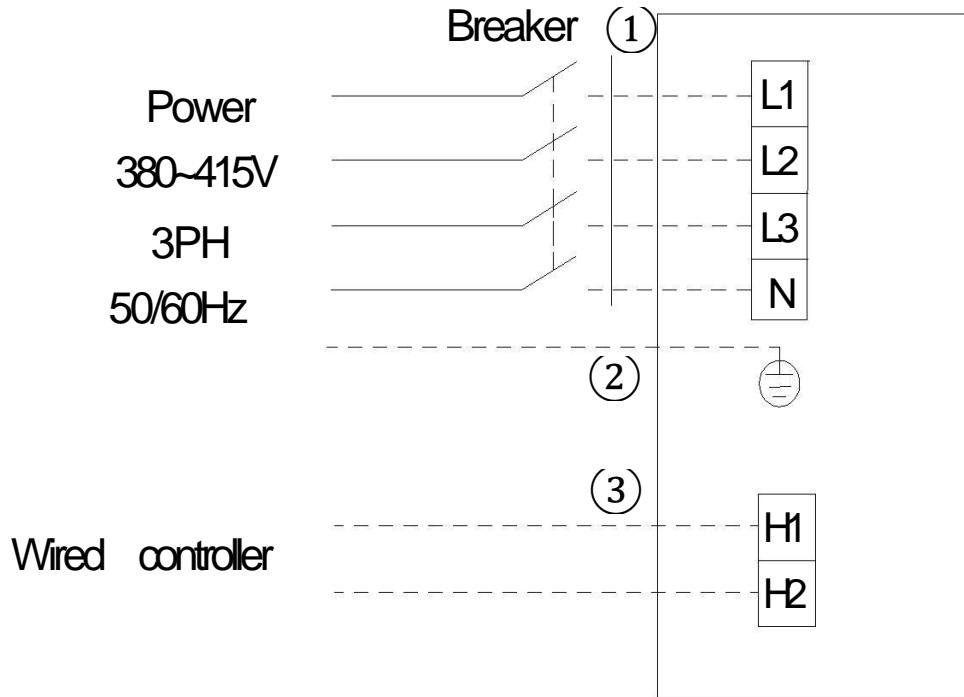
Dry contact gateway



Wireless Remote Controller

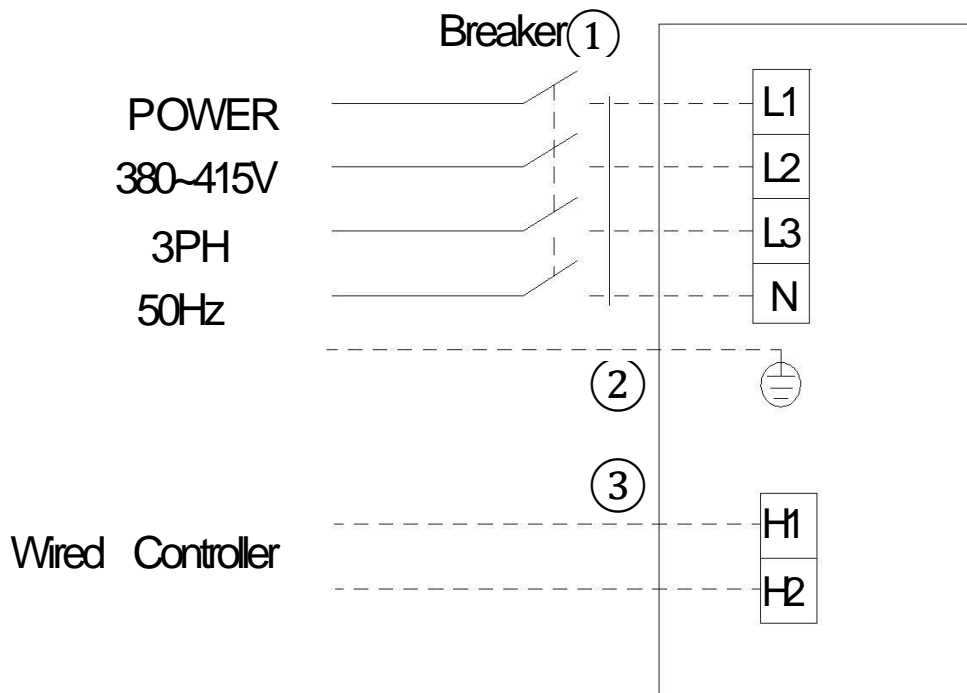
9. WIRING DIAGRAM

Model : TK-H5.5TH/NaA-X(L),TK-H6.2TH/NaA-X(L), TK-H7.5TH/NaA-X(L),TK-H10TH/NaA-X(L)



Model: TK-H15TH/NaA-M(L),TK-H20TH/NaA-M(L),

TK-H25TH/NaA-M(L),TK-C30TH/NaA-M(L),TK-H30TC/NaA-M(L)



① Powercord
② Earth wire
③ Communication cord

9.1. Specification of Power Supply Wire and Circuit Breaker

Model name	Power supply	Capability of circuit breaker (A)	Min. sectional area of earth wire(mm ²)	Min. sectional area of power cord(mm ²)
TK-H5.5TH/NaA-X(L)	380-415V 3N-, 50/60Hz	25	2.5	2.5
TK-H6.2TH/NaA-X(L)	380-415V 3N-, 50/60Hz	25	2.5	2.5
TK-H7.5TH/NaA-X(L)	380-415V 3N-, 50/60Hz	32	4.0	4.0
TK-H10TH/NaA-X(L)	380-415V 3N-, 50/60Hz	32	4.0	4.0
TK-H15TH/NaA-M(L)	380-415V 3N-, 50Hz	63	10.0	10.0
TK-H20TH/NaA-M(L)	380-415V 3N-, 50Hz	63	10.0	10.0
TK-H25TH/NaA-M(L)	380-415V 3N-, 50Hz	80	16.0	25.0
TK-H30TC/NaA-M(L)	380-415V 3N-, 50Hz	80	16	25.0

TK-C30TH/NaA-M(L)	380-415V 3N-, 50Hz	80	16.0	25.0
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Notice :

- ① An all-pole disconnection switch having a contact separation of at least 3mm in all poles should be connected in fixed wiring.
- ② The circuit breaker and power cord specification in above sheet is based on max power (max current) of the unit.
- ③ The power cord specification in above sheet is based on ambient temperature of 40°C.
- ④ If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- ⑤ The circuit breaker specification in above sheet is based on ambient temperature of 40°C. If the working condition is different, please adjust it according to the specification sheet of circuit breaker.

10. ACCESSORIES

Part Name	Model	Product Code	Model
			TK-H5.5TH/NaA-X(L), TK-H6.2TH/NaA-X(L), TK-H7.5TH/NaA-X(L), TK-H10TH/NaA-X(L), TK-H15TH/NaA-M(L), TK-H20TH/NaA-M(L), TK-H25TH/NaA-M(L), TK-H30TC/NaA-M(L), TK-C30TH/NaA-M(L)
Wired Controller	XK117	MC20700730	●
Central controller with Weekly Timer	CE52-24/F(C)	MC207052	○
Electric heating	GKRd36/A-X	EN02000070	○
Dry contact gateway	ME30-42/E1	NC20000020	○
Wireless Remote Controller	YB1FA	/	○
Modbus Gateway	XK117	/	○

Note: “●” means standard, “○” means optional,
Electric heating is only suitable for 30Ton.

Tadiran reserves the right to modify the specifications without prior notice.

Please confirm the final specifications with sales representative.

Note:

Tadiran is committed to continuously improving its products to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

All features and specifications are subject to change without prior notice.

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