



DUCTED SPLIT AIR CONDITIONING SYSTEM

High Static Pressure Type



NINGBO DEKON REFRIGERATION CO.,LTD

R22**INDOOR UNIT TECHNICAL DATA**

Model		HASC2-80H	HASC2-140H	HASC2-170H	HASC2-220H	HASC2-250H	HASC2-300H	HASC2-350H
Matching outdoor unit		HAS1R-80H	HAS1R-140H	HAS1R-170H	HAS1R-220H	HAS1R-250H	HAS1R-300H	HAS1R-350H
Cooling capacity	(kW)	8.1	14.1	16.8	23.6	26.5	30.6	36.1
	(Btu/h)	27000	48000	58000	80000	90000	105000	123000
Heating capacity	(kW)	8.5	14.6	17.8	24.8	27.8	31.5	37.8
	(Btu/h)	29000	50000	61000	85000	95000	108000	129000
Feature of fan motor	Air output (m ³ /h)	1500	2400	3200	4600	5200	6400	7200
	Static pressure1 (Pa)	600	60	60	100	100	100	100
	Static pressure2 (Pa)	/	100	100	150	150	/	/
	Static pressure3 (Pa)	/	150	150	200	200	300	300
Electric heating(kW) (option)		3	4.5	6	8	8	12	12
Power supply		220V	380V 3PH-50H					
Type of fan motor		Centrifuge external axial fan motor					Pulley rotating centrifuge fan motor	
Air filter		G1-G4 The filtration					G1-G4 The filtration	
Piping	Diameter of liquid piping (in)	φ3/8"	φ1/2"	φ1/2"	φ1/2" *2	φ1/2" *2	φ1/2" *2	φ5/8
Size	Diameter of gas pipe (in)	φ5/8"	φ3/4"	φ3/4"	φ3/4" *2	φ3/4" *2	φ3/4" *2	φ1-3/8
Indoor unit	L (mm)	880	1180	1180	1480	1480	1780	1780
	D (mm)	620	720	720	820	820	980	980
	H (mm)	380	450	450	550	550	550	550
	Weight (kg)	60	80	100	150	200	260	290
	Noise (dB)A	53	60	66	66	66	68	68

Notice:

1, The testing condition of rated cooling capacity : outdoor DB/WB is 35°C/24°C, indoor DB/WB is 27°C/19.5°C

2, The testing condition of rated heating capacity: outdoor DB/WB is 7°C/6°C, indoor DB/WB is 20°C/15°C

R22**INDOOR UNIT TECHNICAL DATA**

Model		HASC2-450H	HASC2-500H	HASC2-600H	HASC2-700H	HASC2-900H	HASC2-1000H
Matching outdoor unit		HAS1R-220H*2	HAS1R-250H*2	HAS1R-300H*2	HAS1R-350H*2	HAS1R-220H*4	HAS1R-250H*4
Cooling capacity	(kW)	46.6	52	61	72	93	104
	(Btu/h)	160000	178000	208000	246000	317000	355000
Heating capacity	(kW)	48.2	53.9	63	74.7	96.1	107
	(Btu/h)	165000	185000	215000	255000	328000	365000
Feature of fan motor	Air output (m ³ /h)	8200	9600	11600	12800	16000	18000
	Static pressure1 (Pa)	150	150	200	200	250	250
	Static pressure2 (Pa)	/	/	/	/	/	/
	Static pressure3 (Pa)	400	400	500	500	600	600
Electric heating(kW) (option)		13.5	13.5	15	18	24	27
Power supply		380V 3PH-50H					
Type of fan motor		Pulley rotating centrifuge fan motor					
Air filter		G1-G4 The filtration					
Piping	Diameter of liquid piping (in)	φ5/8*2	φ5/8*2	φ5/8*2	φ5/8*2	φ5/8*4	φ5/8*4
Size	Diameter of gas pipe (in)	φ1-1/8*2	φ1-1/8*2	φ1-1/8*2	φ1-3/8*2	φ1-1/8*4	φ1-1/8*4
Indoor unit	L (mm)	1980	1980	2280	2280	2480	2480
	D (mm)	1080	1080	1380	1380	1480	1480
	H (mm)	650	650	850	850	1150	1150
	Weight (kg)	380	400	440	480	590	630
	Noise (dB)A	71	72	73	74	76	76

Notice:

- 1, The testing condition of rated cooling capacity : outdoor DB/WB is 35°C/24°C, indoor DB/WB is 27°C/19.5°C
- 2, The testing condition of rated heating capacity: outdoor DB/WB is 7°C/6°C, indoor DB/WB is 20°C/15°C

R22**OUTDOOR UNIT TECHNICAL DATA**

Model		HAS1R-80H	HAS1R-140H	HAS1R-170H	HAS1R-220H	HAS1R-250H	HAS1R-300H	HAS1R-350H
Power supply		220V 1PH-50Hz	380V 3PH-50 Hz					
Cooling capacity	(kW)	8.1	14.1	16.8	23.6	26.5	30.6	36.1
	(Btu/h)	27000	48000	58000	80000	90000	105000	123000
Heating capacity	(kW)	8.5	14.6	17.8	24.8	27.8	31.5	37.8
	(Btu/h)	29000	50000	61000	85000	95000	108000	129000
Power(kW)		2.91	5.1	5.9	9.3	9.4	10.7	12.4
EER		2.78	2.75	2.81	2.83	2.81	2.85	2.91
Refrigerant		R22						
Type of compressor		Dual rotors	Flexible scroll					
Quantity of compressor		1						
Fan motor	Type of fan motor	Home application part ABS axial flow			Axial flow fan blade			
	Model	Home application part			600FZL	600FZL	650FZL	650FZL
	Air volume(m ³ /h)	3200	5600	6400	9800	9800	11600	11600
	Power (kW)	/	/	/	680	680	680	680
	Current (A)	/	/	/	1.81	1.81	1.81	1.81
Piping	Diameter of liquid pipe(in)	φ3/8"	φ1/2"	φ1/2"	φ5/8	φ5/8	φ5/8	φ5/8
Size	Diameter of gas pipe(in)	φ5/8"	φ3/4"	φ3/4"	φ1-1/8	φ1-1/8	φ1-1/8	φ1-3/8
Outside dimension	L (mm)	800	960	1100	815	815	845	845
	D (mm)	300	394	394	815	815	845	845
	H (mm)	685	1152	1250	1160	1160	1160	1160
Weight (kg)		55	135	150	210	215	270	280
Noise (dB)A		55	63	64	65	65	67	67

Notice:

1, The testing condition of rated cooling capacity : outdoor DB/WB is 35°C/24°C,indoor DB/WB is 27°C/19.5°C

2, The testing condition of rated heating capacity:outdoor DB/WB is 7°C/6°C,indoor DB/WB is 20°C/15°C

R407C**OUTDOOR UNIT TECHNICAL DATA**

Model		HAS1RN -80H	HAS1RN -150H	HAS1RN -170H	HAS1RN-220H	HAS1RN -250H	HAS1RN -300H	HAS1RN -350H
Power supply		220V 1PH-50Hz	380V 3PH-50 Hz					
Cooling capacity	(kW)	8	14.1	16.6	22.6	24.5	29.9	34.9
	(Btu/h)	27000	48000	56000	77000	83000	102000	118000
Heating capacity	(kW)	8.3	14.6	17.6	23.2	25.2	31.2	35.3
	(Btu/h)	28000	50000	60000	79000	86000	106000	120600
Power(kW)		3.04	5.3	6.2	8.3	8.9	10.5	12.1
EER		2.63	2.65	2.68	2.72	2.76	2.85	2.87
Refrigerant		R407C	R407C	R407C	R407C	R407C	R407C	R407C
Type of compressor		Dual rotors	Flexible scroll					
Quantity of compressor		1						
Fan motor	Type of fan motor	Home application part ABS axial flow			Axial flow fan blade			
	Model	Home application part			600FZL	600FZL	650FZL	650FZL
	Air volume (m ³ /h)	3200	5600	6400	9800	9800	11600	11600
	Power (kW)	/	/	/	680	680	680	680
	Current (A)	/	/	/	1.81	1.81	1.81	1.81
Piping	Diameter of liquid pipe(in)	φ3/8"	φ1/2"	φ1/2"	φ5/8	φ5/8	φ5/8	φ5/8
Size	Diameter of gas pipe(in)	φ5/8"	φ3/4"	φ3/4"	φ1-1/8	φ1-1/8	φ1-1/8	φ1-3/8
Outside dimension	L (mm)	800	960	1100	815	815	845	845
	D (mm)	300	394	394	815	815	845	845
	H (mm)	685	1152	1250	1160	1160	1160	1160
Weight (kg)		55	135	150	210	215	270	280
Noise (dB)A		55	63	64	65	65	67	67

Notice:

1, The testing condition of rated cooling capacity : outdoor DB/WB is 35°C/24°C,indoor DB/WB is 27°C/19.5°C

2, The testing condition of rated heating capacity:outdoor DB/WB is 7°C/6°C,indoor DB/WB is 20°C/15°C

R407C

INDOOR UNIT TECHNICAL DATA

Model		HASC2N-80H	HASC2N-140H	HASC2N-170H	HASC2N-220H	HASC2N-250H	HASC2N-300H	HASC2N-350H
Matching outdoor unit		HAS1RN-80H	HAS1RN-140H	HAS1RN-170H	HAS1RN-220H	HAS1RN-250H	HAS1RN-300H	HAS1RN-350H
Cooling capacity	(kW)	8	14.1	16.6	22.6	24.5	29.9	34.9
	(Btu/h)	27000	48000	56000	77000	83000	102000	118000
Heating capacity	(kW)	8.3	14.6	17.6	23.2	25.2	31.2	35.3
	(Btu/h)	28000	50000	60000	79000	86000	106000	120600
Feature of fan motor	Air output (m ³ /h)	1500	2400	3200	4600	5200	6400	7200
	Static pressure1(Pa)	600	60	60	100	100	100	100
	Static pressure2(Pa)	/	100	100	150	150	/	/
	Static pressure3(Pa)	/	150	150	200	200	300	300
Electric heating(kW) (option)		3	4.5	6	8	8	12	12
Power supply		220V-1PH-50H	380V-3PH-50H					
Type of fan motor		Centrifuge external axial fan motor					Pulley rotating centrifuge fan motor	
Air filter		G1-G4 The filtration					G1-G4 The filtration	
Piping	Diameter of liquid pipe(in)	φ3/8"	φ1/2"	φ1/2"	φ1/2"*2	φ1/2"*2	φ1/2"*2	φ5/8
Size	Diameter of gas pipe(in)	φ5/8"	φ3/4"	φ3/4"	φ3/4"*2	φ3/4"*2	φ3/4"*2	φ1-3/8
Indoor unit	L(mm)	880	1180	1180	1480	1480	1780	1780
	D(mm)	620	720	720	820	820	980	980
	H(mm)	380	450	450	550	550	550	550
	Weight (kg)	60	80	100	150	200	260	290
	Noise (dB)A	53	60	66	66	66	68	68

Notice:

1, The testing condition of rated cooling capacity : outdoor DB/WB is 35°C/24°C, indoor DB/WB is 27°C/19.5°C

2, The testing condition of rated heating capacity: outdoor DB/WB is 7°C/6°C, indoor DB/WB is 20°C/15°C

R407C**INDOOR UNIT TECHNICAL DATA**

Model		HASC2N-450H	HASC2N-500H	HASC2N-600H	HASC2N-700H	HASC2N-900H	HASC2N-1000H
Matching outdoor unit		HAS1RN-220H*2	HAS1RN-250H*2	HAS1RN-300H*2	HAS1RN-350H*2	HAS1RN-220H*4	HAS1RN-250H*4
Cooling capacity	(kW)	44.6	49	59.7	69.2	89.4	96.1
	(Btu/h)	152000	167000	204000	236000	305000	328000
Heating capacity	(kW)	46.2	50.5	61.1	72.3	91.6	99.2
	(Btu/h)	158000	172000	209000	246000	312000	338000
Feature of fan motor	Air output (m ³ /h)	8200	9600	11600	12800	16000	18000
	Static pressure1(Pa)	150	150	200	200	250	250
	Static pressure2(Pa)	/	/	/	/	/	/
	Static pressure3(Pa)	400	400	500	500	600	600
Electric heating(kW) (option)		13.5	13.5	15	18	24	27
Power supply		380V-3PH-50H					
Type of fan motor		Pulley rotating centrifuge fan motor					
Air filter		G1-G4 The filtration					
Piping	Diameter of liquid pipe(in)	φ5/8*2	φ5/8*2	φ5/8*2	φ5/8*2	φ5/8*4	φ5/8*4
Size	Diameter of gas pipe(in)	φ1-1/8*2	φ1-1/8*2	φ1-1/8*2	φ1-3/8*2	φ1-1/8*4	φ1-1/8*4
Indoor unit	L(mm)	1980	1980	2280	2280	2480	2480
	D(mm)	1080	1080	1380	1380	1480	1480
	H(mm)	650	650	850	850	1150	1150
	Weight (kg)	380	400	440	480	590	630
	Noise (dB)A	71	72	73	74	76	76

Notice:

1, The testing condition of rated cooling capacity : outdoor DB/WB is 35°C/24°C, indoor DB/WB is 27°C/19.5°C

2, The testing condition of rated heating capacity: outdoor DB/WB is 7°C/6°C, indoor DB/WB is 20°C/15°C

R410a**INDOOR UNIT TECHNICAL DATA**

Model		HASC2M-80H	HASC2N-140H	HASC2M-170H	HASC2M-220H	HASC2M-250H	HASC2M-300H	HASC2M-350H
Matching outdoor unit		HAS1RM-80H	HAS1RM-140H	HAS1RM-170H	HAS1RM-220H	HAS1RM-250H	HAS1RM-300H	HAS1RM-350H
Cooling capacity	(kW)	7.6	13.6	16.1	21.4	25.5	29.8	32.8
	(Btu/h)	26000	46000	55000	73000	87000	101000	112000
Heating capacity	(kW)	7.9	14.3	17.1	22.6	27.2	30.8	34.5
	(Btu/h)	27000	49000	58000	77000	93000	105000	118000
Feature of fan motor	Air output(m ³ /h)	1500	2400	3200	4600	5200	6400	7200
	Static pressure 1(Pa)	600	60	60	100	100	100	100
	Static pressure 2(Pa)	/	100	100	150	150	/	/
	Static pressure 3(Pa)	/	150	150	200	200	300	300
Electric heating (kW) (option)		3	4.5	6	8	8	12	12
Power supply		220V-1PH-50Hz	380V-3PH-50Hz					
Type of fan motor		Centrifuge outwardturning fan motor					Pulley rotating centrifuge fan motor	
Air filter		G1-G4 The filtration					G1-G4 The filtration	
Piping	Diameter of liquid pipe (in)	φ3/8"	φ1/2"	φ1/2"	φ1/2"*2	φ1/2"*2	φ1/2"*2	φ5/8
Size	Diameter of gas pipe (in)	φ5/8"	φ3/4"	φ3/4"	φ3/4"*2	φ3/4"*2	φ3/4"*2	φ1-3/8
Indoor unit	L (mm)	880	1180	1180	1480	1480	1780	1780
	D (mm)	620	720	720	820	820	980	980
	H (mm)	380	450	450	550	550	550	550
	Weight (kg)	60	80	100	150	200	260	290
	Noise (dB)A	53	60	66	66	66	68	68

Notice:

- 1、 The testing condition of rated cooling capacity : outdoor DB/WB is 35°C/24°C,indoor DB/WB is 27°C/19.5°C
- 2、 The testing condition of rated heating capacity:outdoor DB/WB is 7°C/6°C,indoor DB/WB is 20°C/15°C

R410a**INDOOR UNIT TECHNICAL DATA**

Model		HASC2M-450H	HASC2M-500H	HASC2M-600H	HASC2M-700H	HASC2M-900H	HASC2M-1000H
Matching outdoor unit		HAS1RM-220H*2	HAS1RM-250H*2	HAS1RM-300H*2	HAS1RM-350H*2	HAS1RM-220H*4	HAS1RM-250H*4
Cooling capacity	(kW)	42.7	50.3	59.5	65.3	83.2	100.1
	(Btu/h)	146000	172000	203000	223000	284000	342000
Heating capacity	(kW)	45.1	54.3	61.7	68.6	89.4	107.3
	(Btu/h)	154000	185000	210000	234000	305000	366000
Feature of fan motor	Air output(m ³ /h)	8200	9600	11600	12800	16000	18000
	Static pressure 1(Pa)	150	150	200	200	250	250
	Static pressure 2(Pa)	/	/	/	/	/	/
	Static pressure 3(Pa)	400	400	500	500	600	600
Electric heating (kW) (option)		13.5	13.5	15	18	24	27
Power supply		380V-3PH-50Hz					
Type of fan motor		Pulley rotating centrifuge fan motor					
Air filter		G1-G4 The filtration					
Piping	Diameter of liquid pipe (in)	φ5/8*2	φ5/8*2	φ5/8*2	φ5/8*2	φ5/8*4	φ5/8*4
Size	Diameter of gas pipe (in)	φ1-1/8*2	φ1-1/8*2	φ1-1/8*2	φ1-3/8*2	φ1-1/8*4	φ1-1/8*4
Indoor unit	L (mm)	1980	1980	2280	2280	2480	2480
	D (mm)	1080	1080	1380	1380	1480	1480
	H (mm)	650	650	850	850	1150	1150
	Weight (kg)	380	400	440	480	590	630
	Noise (dB)A	71	72	73	74	76	76

Notice:

- 1、 The testing condition of rated cooling capacity : outdoor DB/WB is 35°C/24°C,indoor DB/WB is 27°C/19.5°C
- 2、 The testing condition of rated heating capacity:outdoor DB/WB is 7°C/6°C,indoor DB/WB is 20°C/15°C

R410a**OUTDOOR UNIT TECHNICAL DATA**

Model		HAS1RM-80H	HAS1RM -140H	HAS1RM -170H	HAS1RM-220H	HAS1RM -250H	HAS1RM -300H	HAS1RM -350H
Power supply		220V 1PH-50Hz	380V 3PH-50 Hz					
Cooling capacity	(kW)	7.6	13.6	16.1	21.4	25.5	29.8	32.8
	(Btu/h)	26000	46000	55000	73000	87000	101000	112000
Heating capacity	(kW)	7.9	14.3	17.1	22.6	27.2	30.8	34.5
	(Btu/h)	27000	49000	58000	77000	93000	105000	118000
Power (kW)		3.01	5.4	6.2	7.98	9.52	11.07	12.1
EER		2.52	2.54	2.58	2.68	2.65	2.69	2.73
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Type of compressor		Dual rotors	Flexible scroll					
Quantity of compressor		1						
Fan motor	Type of fan motor	Home application part ABS axial flow			Axial flow fan blade			
	Model	Home application part			600FZL	600FZL	650FZL	650FZL
	Air volume (m ³ /h)	3200	5600	6400	9800	9800	11600	11600
	Power (kW)	/	/	/	680	680	680	680
	Current (A)	/	/	/	1.81	1.81	1.81	1.81
Piping	Diameter of liquid pipe (in)	φ3/8"	φ1/2"	φ1/2"	φ5/8	φ5/8	φ5/8	φ5/8
Size	Diameter of gas pipe (in)	φ5/8"	φ3/4"	φ3/4"	φ1-1/8	φ1-1/8	φ1-1/8	φ1-3/8
Outside dimension	L (mm)	800	960	1100	815	815	845	845
	D (mm)	300	394	394	815	815	845	845
	H (mm)	685	1152	1250	1160	1160	1160	1160
Weight (kg)		55	135	150	210	215	270	280
Noise (dB)A		55	63	64	65	65	67	67

Notice:

- 1, The testing condition of rated cooling capacity : outdoor DB/WB is 35°C/24°C,indoor DB/WB is 27°C/19.5°C
- 2, The testing condition of rated heating capacity:outdoor DB/WB is 7°C/6°C,indoor DB/WB is 20°C/15°C