



MODEL			GENESIS 2.9	GENESIS 2.12	GENESIS 2.18	GENESIS 2.24
PRODUCT CODE			DNK - 09 GNS2 (I)	DNK - 12 GNS2 (I)	DNK - 18 GNS2 (I)	DNK - 24 GNS2 (I)
			DNK - 09 GNS2 (O)	DNK - 12 GNS2 (O)	DNK - 18 GNS2 (O)	DNK - 24 GNS2 (O)
Type			heating pump	heating pump	heating pump	heating pump
Control type			remote controller	remote controller	remote controller	remote controller
Declared cooling capacity	W		2600(940~3300)	3400(1000~3770)	5100(1250-5910)	6810(1830~7800)
Declared heating capacity	W		2610(940~3360)	3420(1000~3810)	5100(1250-6070)	6870(1850~7900)
Pdesignc	W		2600	3400	5100	6800
SEER declared	W/W		6,1	6,1	6,1	6,1
Energy Class			A++	A++	A++	A++
EER declared	W/W		3,15	3,01	3,23	3,11
COP declared	W/W		3,4	3,4	3,71	3,33
Pdesignh Average	W		2000	2100	3800	4800
SCOP Average declared	W/W		4,0	4,0	4,0	4,0
Energy Class(Average)			A+	A+	A+	A+
Declare capacity(-10°C)	W		1900	2000	3600	4500
Back up heating capacity(-10°C)	W		100	100	200	300
Pdesignh warmer	W		2200	2400	5000	5800
SCOP Warmer declared	W/W		5,1	5,1	5,1	5,1
Energy Class(Warmer)			A+++	A+++	A+++	A+++
Declare capacity(2°C)	W		2200	2400	5000	5800
Back up heating capacity(2°C)	W		0	0	0	0
Pdesignh colder	W		/	/	4000	4700
SCOP Colder declared	W/W		/	/	3,4	3,4
Energy Class(Colder)			/	/	A	A
Declare capacity(-22°C)	W		/	/	3700	4400
Back up heating capacity(-22°C)	W		/	/	300	300
Annual energy consumption	Cooling	kwh/a	149	195	293	390
	Average	kwh/a	700	735	1330	1680
	Warmer	kwh/a	604	659	1373	1592
Moisture removal	Liters/h		1	1,2	1,5	1,8
Indoor sound power(S/H/M/L/Mute)	dB(A)		50/47/43/35/32	50/47/43/35/32	53/50/47/43/36	54/51/48/44/40
Outdoor sound power	dB(A)		60	60	65	67
Indoor sound pressure(S/H/M/L/Mute)	dB(A)		40/37/33/25/22	40/37/33/25/22	43/41/38//35/27	44/41/38/34/30
Outdoor sound pressure	dB(A)		50	50	55	57
Electrical Data						
Power supply			220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P
Power supply side			Outdoor	Outdoor	Outdoor	Outdoor
Voltage Range	V		165~265	165~265	165~265	165~265
Operating current	Cooling	A	4.0(1.2~8.0)	5.8(1.5~9.0)	8.1(1.7~12.0)	10.7(2.3~12.3)
	Heating	A	3.8(1.2~9.0)	5.1(1.5~10.0)	7.0(1.7~13.0)	9.9(2.3~13.5)

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Power consumption	Cooling	W	825(240~1380)	1130(290~1500)	1580(330-2340)	2257(410~2824)
	Heating	W	767(240~1552)	1005(290~1720)	1374(340-2520)	2063(420~3005)
Refrigerating System						
Refrigerant type/Charge/GWP/CO2 equivalent			R32/0.45kg/675/0.304tonnes	R32/0.49kg/675/0.331tonnes	R32/1kg/675/0.675tonnes	R32/1.14kg/675/0.770tonnes
Compressor	Type		Rotary	Rotary	Rotary	Rotary
	Model		35W2ALLB9F#MC	35W2ALLB9F#MC	KSN140D33UFZ3	C-6RZ146H3DBF
	MFG		RECHI	RECHI	GMCC	SANYO
Indoor air circulation Cooling/heating		m <sup>3</sup> /h	420/420	550/550	800/800	980/980
Indoor fan type			Cross Flow	Cross Flow	Cross Flow	Cross Flow
Indoor fan speed S/H/M/L/Mute	Cooling	rpm	1400/1300/1100/1000/900	1350/1200/1000/850/750	1400/1260/1050/870/800	1250/1200/1050/950/800
	Heating	rpm	1400/1300/1100/1000/900	1250/1150/1000/900/800	1400/1260/1050/870/800	1250/1200/1050/950/800
	Dry	rpm	1000	850	870	950
	Sleep	rpm	/	/	/	/
Outdoor fan type			Propeller fan	Propeller fan	Propeller fan	Propeller fan
Outdoor air circulation		m <sup>3</sup> /h	1700	1700	2600	3000
Outdoor fan speed(S/H/M/L/Mute)		rpm	Cooling:930/930/830/730/630 Heating:930/930/830/730/630	Cooling:1000/910/830/710/710 Heating:950/950/830/710/710	Cooling:910/830/710/630/450 Heating:910/830/710/630/450	Cooling:930/830/690/570/450 Heating:890/830/690/590/450
Connections						
Connecting Wiring		Core x Size	4x0.75mm <sup>2</sup>	4x0.75mm <sup>2</sup>	4x0.75mm <sup>2</sup>	4x0.75mm <sup>2</sup>
Expension device			Capillary	Capillary	Capillary	Capillary
Connecting Pipe	Gas	Inches	3/8"	3/8"	3/8"	1/2"
	Liquid	Inches	1/4"	1/4"	1/4"	1/4"
Others						
Application area		m <sup>2</sup>	9~16	14~22	20~35	27~45
Max. refrigerant pipe length		m	25	25	25	25
Max. difference in level		m	10	10	10	10
Operation temperature range		°C	16-31	16-31	16-31	16-31
Ambient temperature range	Outdoor	°C	Cooling:-15-53/Heating:-20-30	Cooling:-15-53/Heating:-20-30	Cooling:-15-53/Heating:-20-30	Cooling:-15-53/Heating:-20-30
	Indoor	°C	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30
Net dimensions		Indoor mm	698x255x190	777x250x201	910x294x206	1010x315x220
(W x H x D)		Outdoor mm	712x276x459	712x276x459	853x602x349	920x699x380
Net weight	Indoor	kg	6,5	7,5	10	13
	Outdoor	kg	22	22	35	40
Packing dimensions		Indoor mm	764x325x257	840x315x260 (HC/LC/JC/KE/JE/KC/KF/LE/XA51/XA71/XA81/XA82/XAA1) 850x320x275 (JA/IA/HD/HA/KD/DW1/XA11/XA21/XA31/XA61/XAC1/XAB1/DWE/LF/IF/XA41/XA91)	979x372x277	1096x390x297
(W x H x D) w/o pipe		Outdoor mm	765x310x481	765x310x481	890x628x385	960x732x400
w/i pipe		Outdoor mm	/	/	890x628x385	960x732x430
Gross weight	Indoor	kg	8,5	10	13	16
	Outdoor	kg	24(w/o pipe) 25(w/i pipe)	24(w/o pipe) 25(w/i pipe)	38(w/o pipe) 39(w/i pipe)	43(w/o pipe) 46(w/i pipe)
Loading Capacity w/o pipe		20'/40'GQ/40'HQ	372	350	212	150