

# Luna split

## Specification\_Luna(DC Inverter)

		DC Inverter COP:4.2		DC Inverter			
Indoor Unit		WS9A-09HRDN1-QD0	WS9A-12HRDN1-QC6	WS9A-09HRDN1-QC2(B)	WS9A-12HRDN1-QC2(B)	WS9A-18HRDN1-QC2(D)	WS9A-24HRDN1-QC2W
Outdoor Unit		WOC-09HDN1-QD0	WOC-12HDN1-QC6	WOR2-09HDN1-QC2	WOR4-12HDN1-QC2	WOC2-18HDN1-QC2	WOF-24HDN1-QC2W
Cooling Capacity	Btu/h	9000(3200~11500)	12000(3800~14000)	9000(2050~11800)	12000(4000~14200)	17000(5200~19000)	23000(12000~25000)
	kW	2.6(0.9~3.4)	3.5(1.1~4.1)	2.6(0.6~3.4)	3.5(1.2~4.2)	5.0(1.5~5.6)	6.7(3.5~7.3)
Heating Capacity	Btu/h	10000(3200~12000)	13000(3900~14500)	10000(3200~13800)	13000(4100~15100)	17500(5300~23000)	25000(11000~27000)
	kW	2.9(0.9~3.5)	3.8(1.1~4.2)	2.9(0.9~4.0)	3.8(1.2~4.4)	5.1(1.6~6.7)	7.3(3.2~7.9)
Power Supply(V~,Hz,Ph)		1Ph, 220-240V~ 50Hz	1Ph, 220-240V~ 50Hz	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	1Ph, 220-240V~50Hz	1Ph, 220-240V~ 50Hz
Power Input (W)	Cooling	650(270~1120)	970(270~1380)	820(230~1120)	1095(350~1220)	1550(380~2300)	2100(820~2500)
	Heating	690(270~1160)	950(270~1380)	810(230~1010)	1055(350~1150)	1420(350~2000)	2030(800~2700)
Operating Current (A)	Cooling	2.9(1.3~5.0)	4.2(1.3~6.0)	3.6(1.0~4.7)	4.8(1.5~5.0)	6.9(1.8~10.2)	9.4(3.6~11.2)
	Heating	3.2(1.3~5.2)	4.1(1.3~6.0)	3.6(1.0~4.2)	4.6(1.5~4.8)	6.2(1.6~9.0)	9.1(3.5~12.0)
EER (W/W)		4.01	3.61	3.22	3.23	3.21	3.21
COP (W/W)		4.21	4.01	3.62	3.63	3.61	3.61
Energy Rate		A+/A+	A+/A+	A/A	A/A	A/A	A/A
Air Flow Volume (m3/h)	Indoor	600/520/420	650/540/430	430/350/280	600/520/440	800/750/600	1150/1100/950
Noise Level (dB(A))	Indoor (Hi/Med/Low/Silent)	38/33/27	39/33/28	36/31/27	40/37/33	40/37/31	50/45/43
	Outdoor	55	56	54	54	56	57
Net Dimension (mm)	Indoor (W×H×D)	790x265x198	790x265x198	710x250x190	790x265x198	920x292x223	998x322x240
	Outdoor (W×H×D)	760x590x285	760x590x285	670x540x265	670x540x265	760x590x285	845x700x320
Net Weight (kg)	Indoor/Outdoor	8.5 / 10.5	8.5 / 10.5	7.5 / 9.5	9 / 11	11.5 / 14.5	13 / 17
Packing Dimension (mm)	Indoor (W×H×D)	875x335x265	875x335x265	770x318x265	875x335x265	1015x368x295	1080x320x400
	Outdoor (W×H×D)	887x645x355	887x645x355	770x570x325	770x570x325	887x645x355	965x755x395
Gross Weight (kg)	Indoor/Outdoor	38 / 40.5	38 / 40.5	26.5 / 28.5	29 / 31	37.5 / 39	49.5 / 52.5
Piping Size (mm(inch))	Liquid	Φ6.35(1/4)	Φ6.35(1/4)	Φ6.35(1/4)	Φ6.35(1/4)	Φ6.35(1/4)	Φ9.53(3/8)
	Gas	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ12.7(1/2)	Φ16(5/8)
Applicable Area (m2)		13-22	18-29	13-22	18-29	25-42	34-56
Stuffing Quantity (Set)	20'/40'/40'HQ	98/206/249	98/206/249	148/307/340	138/286/307	89/182/215	68/138/165

## Specification\_Luna(ON/OFF)

Indoor Unit		WS9A-07HRN1-QC2	WS9A-09HRN1-QC2	WS9A-12HRN1-QC2	WS9A-17HRN1-QC0	WS9A-21HRN1-QB8W	WS9A-24HRN1-QB8W
Outdoor Unit		WOK1-07HN1-QC2	WOA1-09HN1-QC2	WOB1-12HN1-QC2	WOC-17HN1-QC0	WOP-21HN1-QB8W	WOF1-24HN1-QB8W
Cooling Capacity	Btu/h	7500	9000	12000	17000	21000	24000
	kW	2.2	2.6	3.5	5.0	6.1	7.0
Heating Capacity	Btu/h	8000	9500	14000	18000	23000	26000
	kW	2.3	2.8	4.1	5.3	6.3	7.6
Power Supply(V~,Hz,Ph)		220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1
Power Input (W)	Cooling	680	820	1090	1655	2190	2500
	Heating	650	770	1130	1547	2100	2360
Operating Current (A)	Cooling	3.1	3.7	4.9	7.5	9.5	11.0
	Heating	2.8	3.4	5.1	7.2	9.0	10.5
EER (Btu/W.h, W/W)		3.21	3.21	3.23	3.01	2.81	2.81
COP (W/W)		3.61	3.61	3.63	3.41	3.21	3.21
Energy Rate		A/A	A/A	A/A	B/B	C/C	C/C
Air Flow Volume (m3/h)	Indoor	440/350/260	440/350/250	580/450/310	800/700/560	1100/960/840	1220/1100/970
Noise Level (dB(A))	Indoor(Hi/Med/Lo)	36/32/25	38/35/32	39/37/34	42/39/37	45/42/40	48/46/43
	Outdoor	51	54	54	59	62	62
Net Dimension (mm)	Indoor (W*H*D)	710x250x190	710x250x190	790x265x198	920x292x223	998x322x240	998x322x240
	Outdoor (W*H*D)	685x430x260	700x540x240	780x540x250	760x590x285	820x595x330	845x695x335
Net Weight (kg)	Indoor/Outdoor	7/23	7.5/24.5	9/32.5	11.5/37.5	13/44	13/52
Packing Dimension (mm)	Indoor (W*H*D)	770x318x265	770x318x265	875x335x265	1015x368x295	1080x400x320	1080x400x320
	Outdoor (W*H*D)	795x495x345	815x580x325	910x585x335	887x645x355	940x645x415	965x755x395
Gross Weight (kg)	Indoor/Outdoor	9/25	9/26.5	11/35	14/39.5	17.5/48	17.5/56
Piping Size (mm(inch))	Liquid	Φ6.35(1/4)	Φ6.35(1/4)	Φ6.35(1/4)	Φ6.35(1/4)	Φ9.53(3/8)	Φ9.53(3/8)
	Gas	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ12.7(1/2)	Φ16.0(5/8)	Φ16.0(5/8)
Applicable Area (m2)		10-17	13-22	18-29	25-42	31-51	35-58
Stuffing Quantity (Set)	20'/40'/40'HQ	143/302/345	137/286/317	112/231/259	89/182/215	77/159/175	68/138/165

Remark:  
 1.The above design and specifications are subject to change of product improvement without prior notice .  
 2.The noise level data reflects the level in anechoic chamber .

**NEW**  
Fashion Design

R-410A

# Fairy split

## Refrigerant Leakage Detection

With this new technology, the indoor unit will alarm when the outdoor unit detects a condition of refrigerant leakage.



## 2 Ways Piping Connection

Optional

Both left and right sides of the indoor unit are possible for outstretch of connective piping and drainage hose.



## Integrative Design

Base pan and air outlet pan assembly adopt integrated design for easy installation and maintenance.



# Fairy

Features: ■ Standard ■ Optional

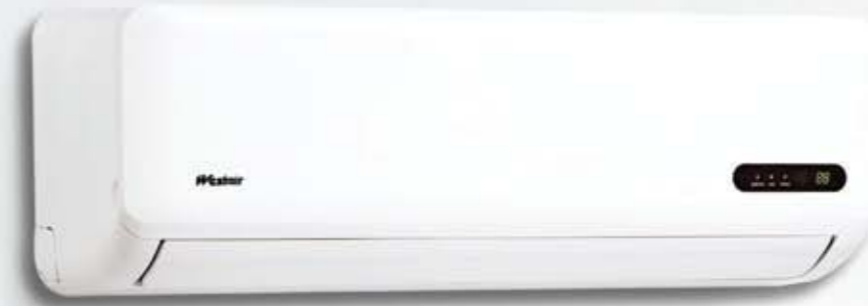
Self-diagnosis and Auto-protection	Independent Dehumidification	Quiet Design	Anti-Rust Cabinet	Auto Restart Function	Refrigerant Leakage Detect
Cold Catalyst Filter	Louver Position Memory Function	PTC Heater	VitaminC Filter	Silver Ion Filter	Ionizer
2 Ways Piping Connection	Follow Me	Self-cleaning	Golden Fin	Bio Filter	

## Specification\_Fairy\_Series(ON/OFF)

Indoor Unit		WS12F-07HRN1-QC2(A)	WS12F-09HRN1-QC2(A)	WS12F-12HRN1-QC2	WS12F-18HRN1-QB8	WS12F-21HRN1-QB8W	WS12F-24HRN1-QB8W
Outdoor Unit		WOA-07HN1-QC2	WOA-09HN1-QC2	WOB-12HN1-QC2	WOC2-18HN1-QB8	WOP-21HN1-QB8W	WOF-24HN1-QB8W
Cooling Capacity	Btu/h	7500	9000	11500	18000	21000	24000
	kW	2.2	2.6	3.3	5.3	6.2	7.1
Heating Capacity	Btu/h	8000	9500	12000	19000	23000	25000
	kW	2.3	2.8	3.5	5.3	6.7	7.3
Power Supply(V~,Hz,Ph)		220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1
Power Input (W)	Cooling	680	820	1050	1640	2190	2510
	Heating	650	770	975	1540	2100	2250
Operating Current (A)	Cooling	3.1	3.7	4.6	7.5	9.8	11.5
	Heating	3.0	3.4	4.3	6.7	9.4	10.4
EER (Btu/Wh, W/W)		3.21	3.21	3.21	3.21	2.81	2.81
COP (W/W)		3.61	3.61	3.61	3.61	3.21	3.21
Energy Rate		A/A	A/A	A/A	A/A	C/C	C/C
Air Flow Volume (m3/h)	Indoor	520/400/320	520/400/310	630/560/390	900/750/520	1150/1030/820	1150/1030/820
	Outdoor	40/33/28	39/32/27	42/38/31	44/38/30	47/44/37	47/44/37
Noise Level (dB(A))	Indoor(Hi/Med/Lo)	40/33/28	39/32/27	42/38/31	44/38/30	47/44/37	47/44/37
	Outdoor	52	54	54	60	61	62
Net Dimension (mm)	Indoor (W*H*D)	715×250×188	715×250×188	800×275×188	940×275×205	1045×315×235	1045×315×235
	Outdoor (W*H*D)	700×540×240	700×540×240	780×540×250	760×590×285	820×600×345	845×700×320
Net Weight (kg)	Indoor/Outdoor	6.6/21.5	6.6/24.5	7.7/28.5	9.7/37.5	12/44	12/58.5
	Indoor (W*H*D)	775×324×260	775×324×260	865×350×265	1015×350×265	1135×435×315	1135×435×315
Packing Dimension (mm)	Indoor (W*H*D)	775×324×260	775×324×260	865×350×265	1015×350×265	1135×435×315	1135×435×315
	Outdoor (W*H*D)	815×580×325	815×580×325	910×585×335	887×645×355	940×645×415	965×755×395
Gross Weight (kg)	Indoor/Outdoor	8.3/24	8.3/26.5	10/30.5	12.1/39.5	15/48	15/62.5
	Liquid	Ø6.35(1/4)	Ø6.35(1/4)	Ø6.35(1/4)	Ø6.35(1/4)	Ø9.53(3/8)	Ø9.53(3/8)
Piping Size (mm(inch))	Gas	Ø9.53(3/8)	Ø9.53(3/8)	Ø12.7(1/2)	Ø12.7(1/2)	Ø16.0(5/8)	Ø16.0(5/8)
	Applicable Area (m2)	10-17	13-22	16-27	23-39	31-51	35-58
Stuffing Quantity (Set)	20'/40'/40'HQ	135/287/322	135/287/322	113/232/266	96/197/231	69/149/165	68/142/150

Remark:  
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 2,The noise level data reflects the level in anechoic chamber .

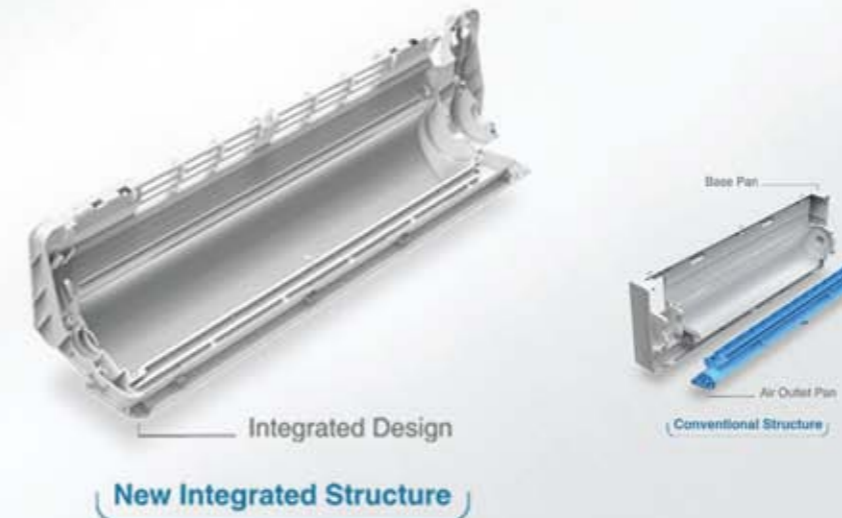
NEW Fashion Design R-410A DC Inverter ON/OFF



# Neola split

## Integrative Design

Base pan and air outlet pan assembly adopt integrated design for easy installation and maintenance.



## Ways Piping Connection(Optional)

Both left and right sides of the indoor unit are possible for outstretch of connective piping and drainage hose.

