



الشركة الأساسية للإلكترونيات المحدودة
BASIC ELECTRONICS CO. LTD
www.al-asasyah.com info@al-asasyah.com

الاساسية
AL-ASASYAH 
سر تفوقنا ثقفكم بنا منذ 1961

 [greeKSA](https://www.facebook.com/greeKSA) |  [gree_KSA](https://twitter.com/gree_KSA) |  [gree_ksa](https://www.instagram.com/gree_ksa) |  [yt.vu/+basicelec](https://www.youtube.com/+basicelec)

المدينة AL MADINA	جازان JAZAN	خميس مشيط KHAMIS MUSHAIT	جدة JEDDAH	القصيم AL QASIM	الرياض RIYADH	تبوك TABUK	سكاكا SAKKAKA	حفر الباطن HAFR ALBATIN	الاحساء AL HASA	الجبيل AL JUBAIL	الدمام DAMMAM	الخبر AL-KHOBAR	
٨٤٨.٧٧٧ 8480787	٣٢٣١٣٢٤ 3231324	٢٢١٨٥٥٨ 2218558	٦٧٢١٨٢٦ 6726826	٣٢٥١٥٤٤ 3251544	٤١١١١١٩٥ 4111195	٤٤٣.٣٣٠ 4430330	٦٢٤.٠٤٤ 6240044	٧٢٣٣٣٣٦ 7233336	٥٨٦٧.٠٤ 5867004	٣٦١١٦٦٦ 3611666	٨٤٤٤٤٢٢ 8444422	٨٦٤٢٢٢٢ 8642222	



SOLAR AIR CONDITIONERS
CATALOGUE
2018





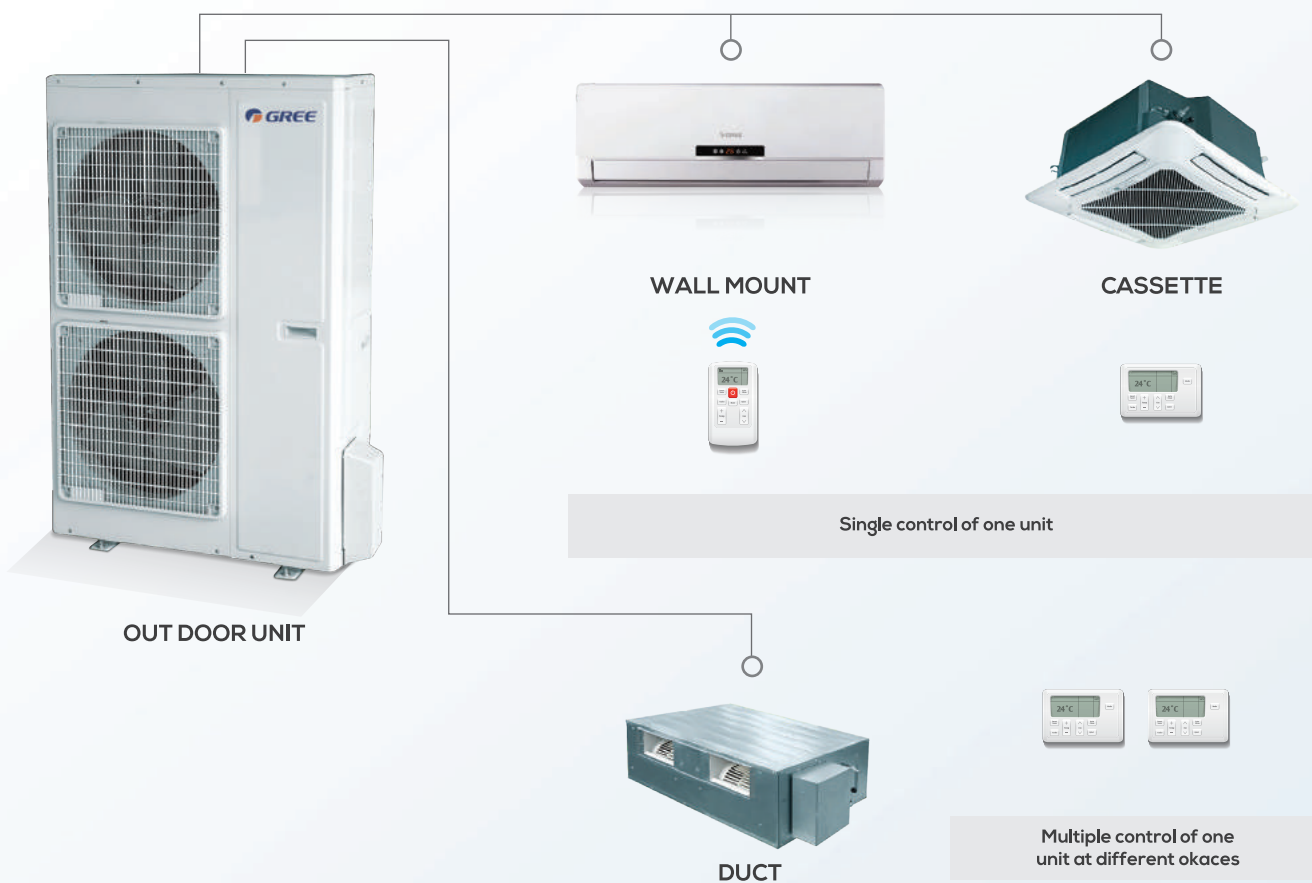
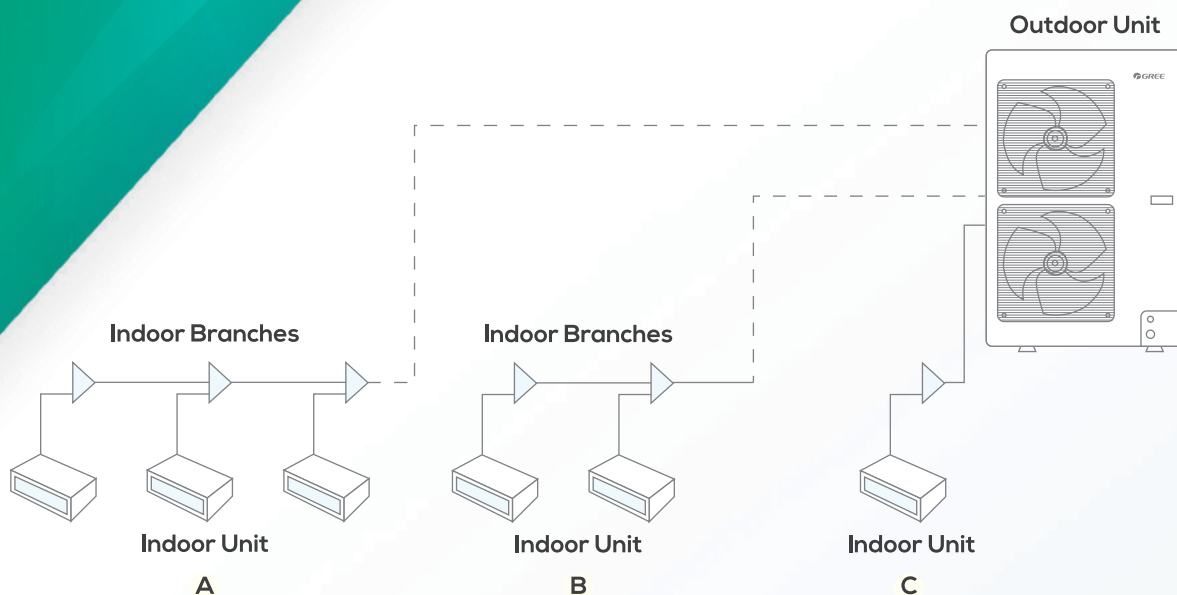
FIRST SOLAR AIRCONDITION SYSTEM



OUT DOOR UNIT



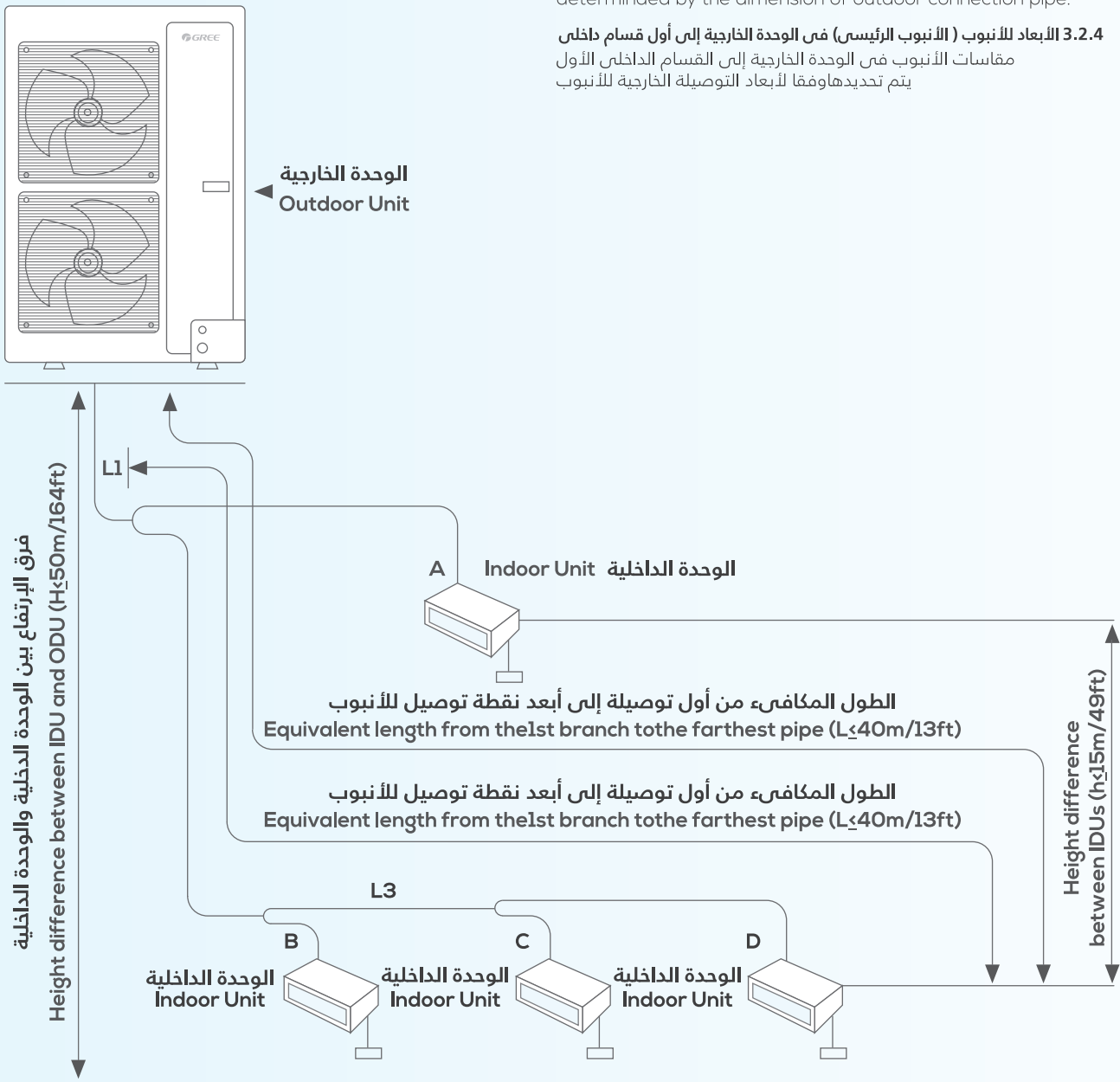
رسم توضيحي يبين إستخدام الوحدة الخارجية مع الوحدات الداخلية



		القيم المسموحة		مهايىء الانبوب Fitting Pipe
		متر M	قدم Feet	
Total length (actual length) of fitting pipe الطول الإجمالى (الطول الفعلى) لمهايىء الانبوب		300	984	$L1+L2+L3+a+b++c+d$
طول أبعد مسافة لتوصيل الانبوب Length of farthest fitting pipe	الطول الفعلى Actual length	120	394	$L1+L2+L3+d$
	الطول المكافىء Equivalent length	150	492	
From the 1st branch to the farthest indoor pipe من أول قسام إلى أبعد نقطة فى الانبوب الداخلى		40	131	$L2+L3+d$
فرق الارتفاع بين الوحدة الداخلية والوحدة الخارجية Height difference between ODU and IDU	ODU at upper side الوحدة الخارجية من الجانب العلوى	50	164	----
	ODU at lower side الوحدة الخارجية من الجانب السفلى	40	131	----
Height difference between IDUs فرق الارتفاع بين الوحدات الداخلية		15	49	----

4.2.3 Dimension of Pipe (Main Pipe) from ODU to the 1st Indoor Branch
Dimension of pipe from ODU to the 1st Indoor branch will be determined by the dimension of outdoor connection pipe.

3.2.4 الأبعاد للأنبوب (الأنبوب الرئيسى) فى الوحدة الخارجية إلى أول قسام داخلى
مقاسات الأنبوب فى الوحدة الخارجية إلى القسام الداخلى الأول
يتم تحديدهاوفقا للأبعاد التوصيلة الخارجية للأنبوب



Each Y-Type branch equals to 0.5m (1-5/8ft) and each branch header equals to 1.0m (3-1/4ft).
Fig.5 Allowable Length and Height Difference of Connection Pipe.

كل قسام يساوى ٠,٥ متر وكل وصلة قسام تساوى ١ متر الشكل ه الطول المسموح به و فرق إرتفاع لوصلة الأنبوب

DIMENSION OF OUTDOOR CONNECTION PIPE

The diagram shows the outdoor unit (ODU) with two fans. A horizontal pipe connects the ODU to the first indoor branch. The pipe is labeled "الأنبوب بين الوحدة الخارجية والفرع الداخلى" and "Pipe between ODU and the 1st Indoor Branch". The indoor branch is labeled "1st Indoor Branch" and "أول داخلى".

4.2.4 Selection of Indoor Branches

إختر التفرعية الداخلية تبعا لسعة التيار الإجمالي
النازل فى الوحدات الداخلية إذا كانت السعة تزيد على
سعة الوحدة الخارجية فان سعة الوحدة الداخلية هى التى تع

Model			GMV-Y120WL/A-T	GMV-Y140WL/A-T	GMV-Y160WL/A-T
Capacity	Cooling	KW	12.3	13.95	15.75
	Heating	KW	13.95	16.5	18
Power Supply			220-240V/50-60Hz		
EER		KW/BTU	14	12.6	11.7
COP		KW/KW	4.23	4.12	3.83
Rated Input	Cooling	KW	3	3.8	4.6
	Heating	KW	3.3	4	4.7
Outline Dimension	W	mm	900		
	D	mm	340		
	H	mm	1345		
Outline Dimension	W	mm	998		
	D	mm	458		
	H	mm	1515		
Weight		kg	134.5		
Refrigerant		R410A			

DIMENSION OF OUTDOOR CONNECTION PIPE

الوحدة الخارجية
Outdoor Unit

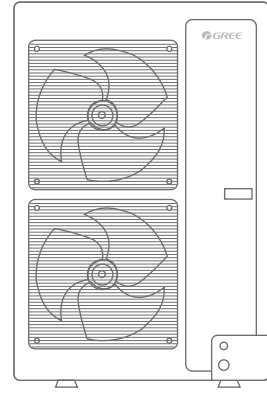
Indoor Branches

Indoor Unit

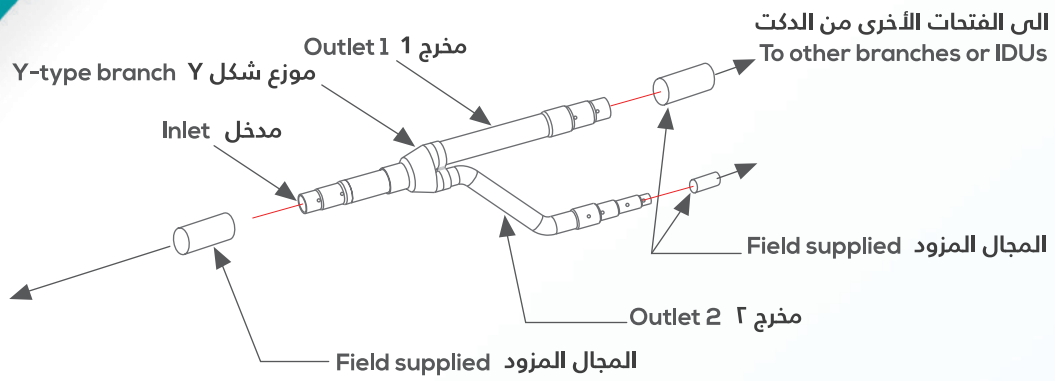
The diagram illustrates a multi-split air conditioning system. On the right, a large outdoor unit (compressor and condenser) is shown with two fans and the 'GREE' logo. A single refrigerant line runs horizontally from the outdoor unit to the left. This line then splits into three vertical branches, each leading to an indoor unit. Arrows on the lines indicate the flow of refrigerant from the outdoor unit to the indoor units. The indoor units are represented as rectangular boxes with a horizontal slot for the air vent. The entire system is set against a light blue background.

Y-BRANCH



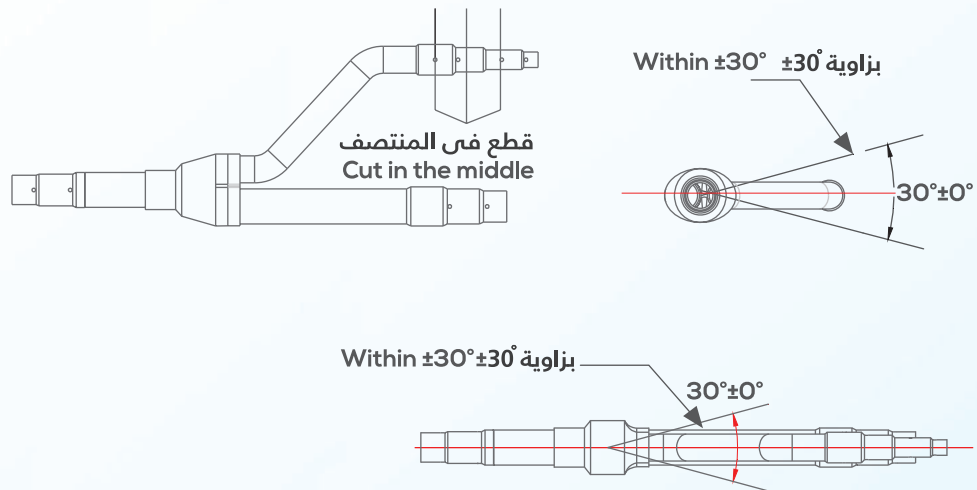


Outdoor Unit الوحدة الخارجية



الجزء شكل Y يوجد به وصلات أنابيب مختلفة المقاسات والتي تتلائم مع مختلف أنابيب النحاس وإستخدام مقص أنابيب لقص منتصف الأنبوب بالطور الصحيح وإزالة النتوءات كذلك

Y-Type branch has several pipe sections with different dimension, which facilitates to match with various copper pipes. Use pipe cutter to cut in the middle of the pipe section that is of proper dimension and remove burrs as well.



يجب تثبيت فرع Y عمودياً أو أفقياً
Y-Type branch must be installed vertically or horizontally.

WALL MOUNT



Wall - Mounted Type Indoor Unit - 60 Hz

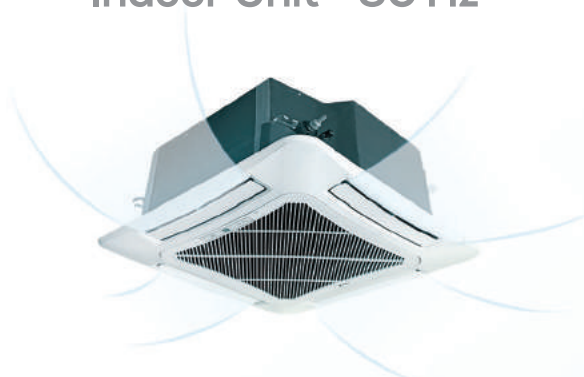


MODEL			GMV N22G/A3A-D	GMV N28G/A3A-D*	GMV N36G/A3A-D*	GMV N45G/A3A-D*	GMV N50G/A3A-D*	GMV N56G/A3A-D*	GMV N63G/A3A-D*	GMV N71G/A3A-D*
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.0	5.6	6.3	7.1
	Heating	kW	2.5	3.2	4.0	5.0	5.8	6.3	7.0	7.5
Power supply		V/Ph/Hz	208-230/1/60							
Power Consumption		W	50	50	60	60	60	70	70	70
Airflow volume (H/M/L)		m3/h	500/420/350	500/420/350	630/550/480	630/550/480	630/550/480	750/600/500	750/600/500	750/600/500
		CFM	294/247/206	294/247/206	371/324/282	371/324/282	371/324/282	441/353/294	441/353/294	441/353/294
Rated Current ²	Cooling	A	0.2	0.2	0.21	0.21	0.21	0.31	0.31	0.31
	Heating	A	0.2	0.2	0.21	0.21	0.21	0.31	0.31	0.31
	Water Heating	A	/	/	/	/	/	/	/	/
Sound Pressure level (H/M/L)		dB (A)	38/34/30	38/34/30	44/41/38	44/41/38	44/41/38	44/41/38	44/41/38	44/41/38
Connecting pipe	Liquid	mm	Ø 6.35	Ø 6.35	Ø 6.35	Ø 6.35	Ø 9.52	Ø 9.52	Ø 9.52	Ø 9.52
Diameter	Gas	mm	Ø 9.52	Ø 9.52	Ø 12.7	Ø 12.7	Ø 12.7	Ø 15.9	Ø 15.9	Ø 15.9
Drain pipe	External dia.	mm	Ø 20	Ø 20	Ø 20	Ø 20	Ø 20	Ø 30	Ø 30	Ø 30
	Thickness	mm	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Dimension (WxDxH)	Outline	mm	843x180x275			940x200x298			108x221x319	
	Package	mm	973x285x370			1068x288x395			1131x398x328	
Net Weight/ Gross Weight		kg	10/12.5	10/12.5	12.5/15.5	12.5/15.5	12.5/15.5	15/18.5	15/18.5	15/18.5
Loading	40'GP	set	702	702	557	557	557	441	441	441
	40'HQ	set	819	819	624	624	624	503	503	503

CASSETTE TYPE



Wall - Mounted Type Indoor Unit - 60 Hz



MODEL			GMV N28G/A3A-D*	GMV N36G/A3A-D*	GMV N45G/A3A-D*	GMV N50G/A3A-D*	GMV N56G/A3A-D*	GMV N63G/A3A-D*	GMV N71G/A3A-D*
Capacity	Cooling	kW	2.8	3.6	4.5	5.0	5.6	6.3	7.1
	Heating	kW	3.2	4.0	5.0	5.6	6.3	7.1	8.0
Power supply		V/Ph/Hz	220-240/1/50 & 208-230/1/60						
Power Consumption		W	48	48	48	50	59	59	68
Airflow volume (H/M/L)		m3/h	750/650/550	750/650/550	750/650/550	830/650/550	1000/900/750	1000/900/750	1190/950/850
		CFM	440/383/325	440/383/325	440/383/325	490/383/325	590/530/440	590/530/440	695/559/550
Rated Current 2	Cooling	A	0.2	0.2	0.2	0.3	0.3	0.3	0.3
	Heating	A	0.2	0.2	0.2	0.2	0.3	0.3	0.3
	Water Heating	A	/	/	/	/	/	/	/
Sound Pressure level (H/M/L)		dB (A)	36/34/31	36/34/31	36/34/31	36/34/31	37/35/32	37/35/32	38/36/33
Connecting pipe Diameter	Liquid	mm	Ø 6.35	Ø 6.35	Ø 6.35	Ø 6.35	Ø 9.52	Ø 9.52	Ø 9.52
	Gas	mm	Ø 9.52	Ø 12.7	Ø 12.7	Ø 12.7	Ø 12.7	Ø 15.9	Ø 15.9
Drain pipe	External dia.	mm	25	25	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Main Body	Dimension Outline	mm	840x840x190	840x840x190	840x840x190	840x840x190	840x840x240	840x840x240	840x840x240
	(WxDxH) Package	mm	963x963x272	963x963x272	963x963x272	963x963x272	963x963x325	963x963x325	963x963x325
	Net / Gross Weight	kg	22.5 / 29.5	22.5 / 29.5	22.5 / 29.5	22.5 / 29.5	22.5 / 34.5	22.5 / 34.5	22.5 / 34.5
Panel	Dimension Outline	mm	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65
	(WxDxH) Package	mm	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133
	Net / Gross Weight	kg	7/11	7/11	7/11	7/11	7/11	7/11	7/11
Loading	40'GP	set	167	167	167	167	140	140	140
	40'HQ	set	171	171	171	156	156	156	156

MODEL			GMV ND80T/A-T	GMV ND36T/A-T	GMV ND90T/A-T	GMV ND100T/A-T	GMV ND125T/A-T	GMV ND140T/A-T	GMV ND160T/A-T
Capacity	Cooling	kW	8.0	9.0	10.0	11.2	12.5	14.0	16.0
	Heating	kW	9.0	10.0	11.2	12.5	14.0	16.0	17.5
Power supply		V/Ph/Hz	220-240/1/50 & 208-230/1/60						
Power Consumption		W	68	98	98	110	110	110	130
Airflow volume (H/M/L)		m3/h	1180/950/850	1500/1350/1100	1500/1350/1100	1700/1400/1100	1860/1500/1150	1860/1500/1150	2100/1700/1400
		CFM	695/559/550	880/795/650	880/795/650	1000/824/650	10950/880/667	10950/880/677	1235/1000/824
Rated Current 2	Cooling	A	0.3	0.4	0.4	0.5	0.5	0.5	0.6
	Heating	A	0.3	0.4	0.4	0.5	0.5	0.5	0.6
	Water Heating	A	/	/	/	/	/	/	/
Sound Pressure level (H/M/L)		dB (A)	38/36/33	40/37/35	40/37/35	41/38/36	43/41/38	43/41/38	47/44/42
Connecting pipe Diameter	Liquid	mm	Ø 9.52	Ø 9.52	Ø 9.52	Ø 9.52	Ø 9.52	Ø 9.52	Ø 9.52
	Gas	mm	Ø 15.9	Ø 15.9	Ø 15.9	Ø 15.9	Ø 15.9	Ø 15.9	Ø 19.5
Drain pipe	External dia.	mm	25	25	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Main Body	Dimension Outline	mm	840x840x240	840x840x320	840x840x320	840x840x320	840x840x320	840x840x320	910x910x293
	(WxDxH) Package	mm	963x963x325	963x963x409	963x963x409	963x963x409	963x963x409	963x963x409	1023x993x375
	Net / Gross Weight	kg	26.5 / 34.5	32.5 / 40.0	32.5 / 40.0	32.5 / 40.0	32.5 / 40.0	32.5 / 40.0	46.5 / 56.5
Panel	Dimension Outline	mm	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	1040x1040x65
	(WxDxH) Package	mm	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x140
	Net / Gross Weight	kg	7/11	7/11	7/11	7/11	7/11	7/11	7.5/11.5
Loading	40'GP	set	140	104	104	104	104	104	144
	40'HQ	set	156	119	119	119	119	119	144

DUCT



Low Static Pressure Duct Type Indoor Unit 60 Hz



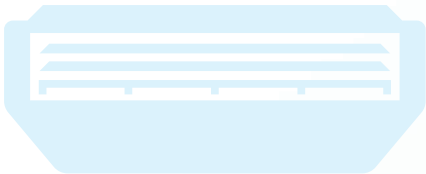
MODEL			GMV ND22 PLS/A-T	GMV ND25 PLS/A-T	GMV ND28 PLS/A-T	GMV ND32 PLS/A-T	GMV ND36 PLS/A-T
Capacity	Cooling	kW	2.2	2.5	2.8	3.2	3.6
	Heating	kW	2.5	2.8	3.6	3.6	4.0
Power supply		V/Ph/Hz	208-230/1/60				
Power Consumption		W	35	35	35	43	43
Airflow volume (H/M/L)		m3/h	450/350/250	450/350/250	450/350/250	550/450/350	550/450/350
		CFM	265/206/147	265/206/147	265/206/147	325/265/206	325/265/206
Rated Current ²	Cooling	A	0.2	0.2	0.2	0.2	0.2
	Heating	A	0.2	0.2	0.21	0.21	0.21
	Water Heating	A	/	/	/	/	/
Sound Pressure level (H/M/L)		dB (A)	31/28/25	31/28/2	31/28/2	32/30/27	32/30/27
Connecting pipe Diameter	Liquid	mm	Ø 6.35	Ø 6.35	Ø 6.35	Ø 6.35	Ø 6.35
	Gas	mm	Ø 9.52	Ø 9.52	Ø 12.7	Ø 12.7	Ø 12.7
Drain pipe	External dia.	mm	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (WxDxH)	Outline	mm			700x615x200		
	Package	mm			893x743x305		
Net Weight/ Gross Weight		kg	22/27	22/27	22/27	22/28	22/28
Loading	40'GP	set	192	192	192	192	192
	40'HQ	set	192	192	192	192	192

MODEL			GMV ND40 PL/B-T	GMV ND45 PL/B-T	GMV ND50 PL/B-T	GMV ND56 PL/B-T	GMV ND63 PL/B-T	GMV ND72 PL/B-T
Capacity	Cooling	kW	4.0	4.5	5.0	5.6	6.3	7.2
	Heating	kW	4.5	5.0	5.6	6.3	7.0	8.0
Power supply		V/Ph/Hz	208-230/1/60					
Power Consumption		W	35	35	35	45	45	45
Airflow volume (H/M/L)		m3/h	750/660/540	750/660/540	750/660/540	850/700/610	850/700/610	1100/800/640
		CFM	441/388/318	441/388/318	441/388/318	500/412/359	500/412/359	647/471/377
Rated Current ²	Cooling	A	0.3	0.3	0.3	0.3	0.3	0.5
	Heating	A	0.3	0.3	0.3	0.3	0.3	0.5
	Water Heating	A	/	/	/	/	/	/
Sound Pressure level (H/M/L)		dB (A)	33/30/27	33/30/27	33/30/27	35/30/29	35/30/29	37/34/30
Connecting pipe Diameter	Liquid	mm	Ø 6.35	Ø 6.35	Ø 6.35	Ø 9.52	Ø 9.52	Ø 9.52
	Gas	mm	Ø 12.7	Ø 12.7	Ø 12.7	Ø 15.9	Ø 15.9	Ø 15.9
Drain pipe	External dia.	mm	25	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5
Dimension (WxDxH)	Outline	mm			700x615x200	1010x450x200	1310x450x200	
	Package	mm			893x743x305	1303x551x285	1603x551x285	
Net Weight/ Gross Weight		kg	23/5.28	23/5.28	23/5.28	24/5.29	24.5/29	30.5/36
Loading	40'GP	set	288	288	288	288	288	224
	40'HQ	set	288	288	288	288	288	224

DUCT



Low Static Pressure Duct Type Indoor Unit 60 Hz



MODEL			GMV ND71PLS/A-T	GMV ND80PLS/A-T	GMV ND90PLS/A-T	GMV ND100PLS/A-T	GMV ND112PLS/A-T	GMV ND125PLS/A-T	GMV ND140PLS/A-T
Capacity	Cooling	kW	7.1	8.0	9.0	10.0	11.2	12.5	14.0
	Heating	kW	8.0	9.0	10.0	11.2	12.5	14.0	16.0
Power supply		V/Ph/Hz	208-230/1/60						
Power Consumption		W	105	140	209	209	209	230	230
Airflow volume (H/M/L)		m3/h	1000/800/600	1100/1000/800	1500/1250/950	1500/1350/1000	1700/1500/1100	2000/1500/1150	2000/1500/1150
		CFM	590/471/355	650/590/471	885/736/599	855/795/590	1000/885/650	1175/885/677	1175/885/677
Rated Current 2	Cooling	A	0.5	0.7	1.0	1.0	1.0	1.1	1.1
	Heating	A	0.5	0.7	1.0	1.0	1.0	1.1	1.1
	Water Heating	A	/	/	/	/	/	/	/
ESP		PA				30/0-50			
Sound Pressure level (H/M/L)		dB (A)	35/33/30	36/34/31	40/36/32	40/36/32	40/36/32	42/40/37	42/40/37
Connecting pipe	Liquid	mm	Ø 9.52	Ø 9.5	Ø 9.5	Ø 9.5	Ø 9.5	Ø 9.5	Ø 9.5
Diameter	Gas	mm	Ø 15.19	Ø 15.19	Ø 15.19	Ø 15.19	Ø 15.19	Ø 15.19	Ø 15.19
Drain pipe	External dia.	mm	25	25	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Dimension	Outline	mm	1200X655X260				1340X655X260		
(WxDxH)	Package	mm	1448X858X315				1591X861X330		
Net Weight/ Gross Weight		kg	40/47	40/47	46/55	46/55	46/55	47/56	47/56
Loading	40'GP	set	96	96	78	78	78	78	78
	40'HQ	set	96	96	78	78	78	78	78

ON GRID SOLAR POWER SYSTEMS

GREE PHOTO VOLTAIC DIRECT-DRIVEN INVERTER MULTI VRF SYSTEM



NO.	MODEL NO	COOLING POWER (TR)	PV PANELS SPECS	SOLAR POWER SUPPLY	NO. OF PANELS	REQUIRED AREA
1.	GMV-Y120WL/A-T	3.5	GREE 290 Wp	290-420 V DC	12 to 13	21 m ²
2.	GMV-Y140WL/A-T	4				
3.	GMV-Y160WL/A-T	4.6				

