

Specifications of Indoor Units



High Static Pressure Duct Type Indoor Unit

Model			GMV-ND22PHS/B-T ¹	GMV-ND25PHS/B-T ¹	GMV-ND28PHS/B-T ¹	GMV-ND32PHS/B-T ¹	GMV-ND36PHS/B-T ¹
Capacity	Cooling	kW	2.2	2.5	2.8	3.2	3.6
	Heating	kW	2.5	2.8	3.2	3.6	4.0
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption	W		55	55	55	65	65
Airflow volume(H/M/L)	m ³ /h		550/480/400	550/480/400	550/480/400	600/500/420	600/500/420
Rated current	Cooling	A	0.5	0.5	0.5	0.5	0.5
	Heating	A	0.5	0.5	0.5	0.5	0.5
ESP	Pa		60/0 ~ 150	60/0 ~ 150	60/0 ~ 150	60/0 ~ 150	60/0 ~ 150
Sound pressure level(H/M/L)	dB(A)		33/30/28	33/30/28	33/30/28	33/31/29	33/31/29
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300
	Package	mm	897 × 808 × 360	897 × 808 × 360	897 × 808 × 360	897 × 808 × 360	897 × 808 × 360
Net weight/Gross weight	kg		32/38	32/38	32/38	32/38	32/38
Loading quantity	40' GP	unit	168	168	168	168	168
	40' HQ	unit	196	196	196	196	196

Model			GMV-ND125PHS/B-T ¹	GMV-ND140PHS/B-T ¹	GMV-ND160PHS/B-T ¹	GMV-ND180PHS/B-T ¹	GMV-ND224PH/A-T ²
Capacity	Cooling	kW	12.5	14.0	16.0	18.0	22.4
	Heating	kW	14.0	16.0	18.0	20.0	25.0
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption	W		160	220	230	350	800
Airflow volume(H/M/L)	m ³ /h		2000/1600/1400	2350/1900/1650	2500/2000/1750	3000/2600/2000	4000/3600/3200
Rated current	Cooling	A	1.1	1.5	1.5	2.0	3.7
	Heating	A	1.1	1.5	1.5	2.0	3.7
ESP	Pa		90/0 ~ 200	90/0 ~ 200	90/0 ~ 200	90/0 ~ 170	100/50 ~ 200
Sound pressure level(H/M/L)	dB(A)		40/38/36	42/39/37	44/41/38	49/47/44	54/52/49
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ19.05	Φ19.05	Φ19.05
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.0
Dimension (W × D × H)	Outline	mm	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300	1483 × 791 × 385
	Package	mm	1601 × 813 × 365	1678 × 808 × 365	1678 × 808 × 365	1678 × 808 × 365	1578 × 883 × 472
Net weight/Gross weight	kg		57/64	58/67	58/67	58/67	82/104
Loading quantity	40' GP	unit	84	84	84	84	60
	40' HQ	unit	98	98	98	98	75

Model			GMV-ND40PHS/B-T ¹	GMV-ND45PHS/B-T ¹	GMV-ND50PHS/B-T ¹	GMV-ND56PHS/B-T ¹	GMV-ND63PHS/B-T ¹
Capacity	Cooling	kW	4.0	4.5	5.0	5.6	6.3
	Heating	kW	4.5	5.0	5.6	6.3	7.1
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption	W		85	85	85	90	90
Airflow volume(H/M/L)	m ³ /h		850/700/600	850/700/600	850/700/600	1000/800/700	1000/800/700
Rated current	Cooling	A	0.5	0.5	0.5	0.8	0.8
	Heating	A	0.5	0.5	0.5	0.8	0.8
ESP	Pa		60/0 ~ 150	60/0 ~ 150	60/0 ~ 150	90/0 ~ 200	90/0 ~ 200
Sound pressure level(H/M/L)	dB(A)		36/34/32	36/34/32	36/34/32	37/35/33	37/35/33
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300	1000 × 700 × 300	1000 × 700 × 300
	Package	mm	897 × 808 × 360	897 × 808 × 360	897 × 808 × 360	1205 × 813 × 360	1205 × 813 × 360
Net weight/Gross weight	kg		34/40	34/40	34/40	43/49	43/49
Loading quantity	40' GP	unit	168	168	168	138	138
	40' HQ	unit	196	196	196	161	161

Model			GMV-ND280PH/A-T ²	GMV-ND400PH/AR-X ²	GMV-ND450PH/AR-X ²	GMV-N560PH/AR-M ²
Capacity	Cooling	kW	28.0	40.0	45.0	56.0
	Heating	kW	31.0	45.0	50.0	63.0
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz	380-415V 3N~ 50/60Hz	380-415V 3N~ 50/60Hz	380V 3N~ 50Hz
Power consumption	W		900	2500	2550	2700
Airflow volume(H/M/L)	m ³ /h		4400/4000/3600	8000/6100/5050	8200/6600/5550	10000
Rated current	Cooling	A	4.1	2.7	4.1	5.5
	Heating	A	4.1	2.7	4.1	5.5
ESP	Pa		100/50 ~ 200	200/50~250	200/50~250	200
Sound pressure level(H/M/L)	dB(A)		55/52/50	61/59/56	62/60/57	63
Connecting pipe	Liquid	mm	Φ9.52	Φ12.7	Φ12.7	Φ15.9
	Gas	mm	Φ22.2	Φ25.4	Φ28.6	Φ28.6
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.0	1.2	1.2	1.2
Dimension (W × D × H)	Outline	mm	1686 × 870 × 450	1680 × 900 × 650	1900 × 1100 × 700	1900 × 1100 × 850
	Package	mm	1788 × 988 × 580	1923 × 1153 × 850	2123 × 1463 × 905	2123 × 1463 × 1060
Net weight/Gross weight	kg		105/140	170/220	236/317	282/364
Loading quantity	40' GP	unit	52	24	16	16
	40' HQ	unit	52	36	16	16

Model			GMV-ND71PHS/B-T ¹	GMV-ND80PHS/B-T ¹	GMV-ND90PHS/B-T ¹	GMV-ND100PHS/B-T ¹	GMV-ND112PHS/B-T ¹
Capacity	Cooling	kW	7.1	8.0	9.0	10.0	11.2
	Heating	kW	8.0	9.0	10.0	11.2	12.5
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption	W		100	100	140	140	160
Airflow volume(H/M/L)	m ³ /h		1250/1050/950	1250/1050/950	1800/1450/1250	1800/1450/1250	2000/1600/1400
Rated current	Cooling	A	0.8	0.8	1.1	1.1	1.1
	Heating	A	0.8	0.8	1.1	1.1	1.1
ESP	Pa		90/0 ~ 200	90/0 ~ 200	90/0 ~ 200	90/0 ~ 200	90/0 ~ 200
Sound pressure level(H/M/L)	dB(A)		38/36/34	38/36/34	40/37/35	40/37/35	40/38/36
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	1000 × 700 × 300	1000 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300
	Package	mm	1205 × 813 × 360	1205 × 813 × 360	1601 × 813 × 365	1601 × 813 × 365	1601 × 813 × 365
Net weight/Gross weight	kg		43/49	43/49	57/64	57/64	57/64
Loading quantity	40' GP	unit	138	138	84	84	84
	40' HQ	unit	161	161	98	98	98

*1: This model will be phased out by 2025; please contact with the salesman before placing an order.

*2: This model is without water pump.

*1: This model will be phased out by 2025; please contact with the salesman before placing an order.

High Static Pressure Duct Type Indoor Unit

Model			GMV-ND22PHS/D-T	GMV-ND25PHS/D-T	GMV-ND28PHS/D-T	GMV-ND32PHS/D-T	GMV-ND36PHS/D-T
Capacity	Cooling	kW	2.2	2.5	2.8	3.2	3.6
	Heating	kW	2.5	2.8	3.2	3.6	4.0
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption		W	50	50	50	50	50
Airflow volume(H/M/L)		m³/h	550/480/400	550/480/400	550/480/400	600/500/420	600/500/420
Rated current	Cooling	A	0.4	0.4	0.4	0.4	0.4
	Heating	A	0.4	0.4	0.4	0.4	0.4
ESP		Pa	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80
Sound pressure level(H/M/L)		dB(A)	35/31/29	35/31/29	35/31/29	36/33/30	36/33/30
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300
	Package	mm	897 × 808 × 360	897 × 808 × 360	897 × 808 × 360	897 × 808 × 360	897 × 808 × 360
Net weight / Gross weight		kg	30.5/36	30.5/36	30.5/36	30.5/36	30.5/36
Loading quantity	40'GP	unit	168	168	168	168	168
	40'HQ	unit	196	196	196	196	196

Model			GMV-ND71PHS/D-T	GMV-ND80PHS/D-T	GMV-ND90PHS/D-T	GMV-ND100PHS/D-T	GMV-ND112PHS/D-T
Capacity	Cooling	kW	7.1	8.0	9.0	10.0	11.2
	Heating	kW	8.0	9.0	10.0	11.2	12.5
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption		W	110	110	170	170	170
Airflow volume(H/M/L)		m³/h	1250/1050/950	1250/1050/950	1800/1450/1250	1800/1450/1250	2000/1600/1400
Rated current	Cooling	A	0.9	0.9	1.4	1.4	1.4
	Heating	A	0.9	0.9	1.4	1.4	1.4
ESP		Pa	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200
Sound pressure level(H/M/L)		dB(A)	40/36/32	40/36/32	42/38/34	42/38/34	43/39/36
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	1000 × 700 × 300	1000 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300
	Package	mm	1205 × 813 × 360	1205 × 813 × 360	1601 × 813 × 365	1601 × 813 × 365	1601 × 813 × 365
Net weight / Gross weight		kg	41/47	41/47	54/61	54/61	54/61
Loading quantity	40'GP	unit	138	138	84	84	84
	40'HQ	unit	161	161	98	98	98

Model			GMV-ND40PHS/D-T	GMV-ND45PHS/D-T	GMV-ND50PHS/D-T	GMV-ND56PHS/D-T	GMV-ND63PHS/D-T
Capacity	Cooling	kW	4.0	4.5	5.0	5.6	6.3
	Heating	kW	4.5	5.0	5.6	6.3	7.1
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption		W	100	100	100	105	105
Airflow volume(H/M/L)		m³/h	850/700/600	850/700/600	850/700/600	1000/800/700	1000/800/700
Rated current	Cooling	A	0.8	0.8	0.8	0.8	0.8
	Heating	A	0.8	0.8	0.8	0.8	0.8
ESP		Pa	50/0~80	50/0~80	50/0~80	90/0~200	90/0~200
Sound pressure level(H/M/L)		dB(A)	40/36/32	40/36/32	40/36/32	40/36/32	40/36/32
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300	1000 × 700 × 300	1000 × 700 × 300
	Package	mm	897 × 808 × 360	897 × 808 × 360	897 × 808 × 360	1205 × 813 × 360	1205 × 813 × 360
Net weight / Gross weight		kg	31.5/37	31.5/37	31.5/37	40.5/46.5	40.5/46.5
Loading quantity	40'GP	unit	168	168	168	138	138
	40'HQ	unit	196	196	196	161	161

Model			GMV-ND125PHS/D-T	GMV-ND140PHS/D-T	GMV-ND160PHS/D-T	GMV-ND180PHS/D-T
Capacity	Cooling	kW	12.5	14.0	16.0	18.0
	Heating	kW	14.0	16.0	18.0	20.0
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz			
Power consumption		W	170	240	240	350
Airflow volume(H/M/L)		m³/h	2000/1600/1400	2350/1900/1650	2500/2000/1750	3000/2600/2000
Rated current	Cooling	A	1.4	1.8	1.8	2.0
	Heating	A	1.4	1.8	1.8	2.0
ESP		Pa	90/0~200	90/0~200	90/0~200	90/0~170
Sound pressure level(H/M/L)		dB(A)	44/40/37	44/41/38	45/43/40	49/47/44
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ19.05	Φ19.05
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5
Dimension (W × D × H)	Outline	mm	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300
	Package	mm	1601 × 813 × 365	1601 × 813 × 365	1601 × 813 × 365	1678 × 808 × 365
Net weight / Gross weight		kg	54/61	54.5/61.5	54.5/61.5	58/67
Loading quantity	40'GP	unit	84	84	84	84
	40'HQ	unit	98	98	98	98

Medium Static Pressure Duct Type Indoor Unit

Model			GMV-ND56PMS/A1-T	GMV-ND63PMS/A1-T	GMV-ND71PMS/A1-T	GMV-ND80PMS/A1-T	GMV-ND90PMS/A1-T	GMV-ND100PMS/A1-T	GMV-ND112PMS/A1-T	GMV-ND125PMS/A1-T	GMV-ND140PMS/A1-T
Capacity	Cooling	kW	5.6	6.3	7.1	8.0	9.0	10.0	11.2	12.5	14.0
	Heating	kW	6.3	7.1	8.0	9.0	10.0	11.2	12.5	14.0	16.0
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz								
Power consumption	W		95	95	95	100	120	120	120	170	170
Airflow volume(H/M/L)	m³/h		1100/900/700	1100/900/700	1100/900/700	1100/900/700	1700/1500/1100	1700/1500/1100	1700/1500/1100	2000/1700/1400	2000/1700/1400
Rated current	Cooling	A	0.72	0.72	0.72	0.75	0.85	0.85	0.85	1.20	1.20
	Heating	A	0.72	0.72	0.72	0.75	0.85	0.85	0.85	1.20	1.20
ESP	Pa		50/0~80	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80
Sound pressure level (H/M/L)	dB(A)		37/34/31	37/34/31	37/34/31	37/34/31	40/36/32	40/36/32	40/36/32	42/40/37	42/40/37
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	900×655×260	900×655×260	900×655×260	900×655×260	1340×655×260	1340×655×260	1340×655×260	1340×655×260	1340×655×260
	Package	mm	1115×772×320	1115×772×320	1115×772×320	1115×772×320	1568×770×323	1568×770×323	1568×770×323	1568×770×323	1568×770×323
Net weight/Gross weight	kg		29.5/34.0	29.5/34.0	29.5/34.0	30.0/34.5	43.5/50.0	43.5/50.0	43.5/50.0	43.5/50.0	43.5/50.0
Loading quantity	40' GP	unit	224	224	224	224	154	154	154	154	154
	40' HQ	unit	256	256	256	256	176	176	176	176	176

Model			GMV-ND36PLS/C1-T	GMV-ND40PLS/C1-T	GMV-ND45PLS/C1-T	GMV-ND50PLS/C1-T	GMV-ND56PLS/C1-T
Capacity	Cooling	kW	3.60	4.00	4.50	5.00	5.60
	Heating	kW	4.00	4.50	5.00	5.60	6.30
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption	W		37	40	40	40	55
Airflow volume(H/M/L)	m³/h		550/400/300	750/550/400	750/550/400	750/550/400	850/700/550
Rated current	Cooling	A	0.3	0.3	0.3	0.3	0.4
	Heating	A	0.3	0.3	0.3	0.3	0.4
ESP	Pa		15/0 ~ 30	15/0 ~ 30	15/0 ~ 30	15/0~30	15/0~30
Sound pressure level (H/M/L)	dB(A)		31/27/25	33/29/27	33/29/27	33/29/27	35/31/29
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.9
Drain pipe	External dia.	mm	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	710×462×200	1010×462×200	1010×462×200	1010×462×200	1010×462×200
	Package	mm	1008×568×275	1308×568×275	1308×568×275	1308×568×275	1308×568×275
Net weight/Gross weight	kg		19/24	24/30	24/30	24/30	25/31
Loading quantity	40' GP	unit	386	288	288	288	288
	40' HQ	unit	430	340	340	340	340

Low Static Pressure Duct Type Indoor Unit

Model			GMV-ND18PLS/C1-T	GMV-ND22PLS/C1-T	GMV-ND25PLS/C1-T	GMV-ND28PLS/C1-T	GMV-ND32PLS/C1-T
Capacity	Cooling	kW	1.80	2.20	2.50	2.80	3.20
	Heating	kW	2.20	2.50	2.80	3.20	3.60
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption	W		28	28	28	28	37
Airflow volume(H/M/L)	m³/h		450/350/200	450/350/200	450/350/200	450/350/200	550/400/300
Rated current	Cooling	A	0.2	0.2	0.2	0.2	0.3
	Heating	A	0.2	0.2	0.2	0.2	0.3
ESP	Pa		15/0 ~ 30	15/0 ~ 30	15/0 ~ 30	15/0 ~ 30	15/0 ~ 30
Sound pressure level (H/M/L)	dB(A)		30/25/22	30/25/22	30/25/22	30/25/22	31/27/25
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7
Drain pipe	External dia.	mm	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	710×462×200	710×462×200	710×462×200	710×462×200	710×462×200
	Package	mm	1008×568×275	1008×568×275	1008×568×275	1008×568×275	1008×568×275
Net weight/Gross weight	kg		18.5/23.5	18.5/23.5	18.5/23.5	18.5/23.5	19/24
Loading quantity	40' GP	unit	386	386	386	386	386
	40' HQ	unit	430	430	430	430	430

Model			GMV-ND63PLS/C1-T	GMV-ND71PLS/C1-T	GMV-ND80PLS/C1-T
Capacity	Cooling	kW	6.30	7.10	8.00
	Heating	kW	7.10	8.00	9.00
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz		
Power consumption	W		55	55	95
Airflow volume(H/M/L)	m³/h		850/700/550	1100/850/650	1200/950/700
Rated current	Cooling	A	0.4	0.5	0.8
	Heating	A	0.4	0.5	0.7
ESP	Pa		15/0~30	15/0~30	15/0~30
Sound pressure level (H/M/L)	dB(A)		35/31/29	37/32/30	40/35/31
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	25	25	25
	Thickness	mm	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	1010×462×200	1310×462×200	1310×462×200
	Package	mm	1308×568×275	1608×568×275	1608×568×275
Net weight/Gross weight	kg		25/31	31/37.5	31/37.5
Loading quantity	40' GP	unit	288	229	229
	40' HQ	unit	340	257	257

360° Air Discharge Cassette Indoor Unit

Model			GMV-ND22T/C-T*	GMV-ND28T/C-T*	GMV-ND36T/C-T*	GMV-ND45T/C-T*	GMV-ND50T/C-T*	
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.0	
	Heating	kW	2.5	3.2	4.0	5.0	5.6	
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption	W		26	26	26	26	28	
Airflow volume(H/M/L)	m³/h		800/700/600	800/700/600	800/700/600	800/700/600	900/800/700	
Rated current	Cooling	A	0.2	0.2	0.2	0.2	0.2	
	Heating	A	0.2	0.2	0.2	0.2	0.2	
Sound pressure level(H/M/L)	dB(A)		33/30/28	33/30/28	33/30/28	34/30/28	35/32/29	
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	
	Gas	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	
Main body	Dimension (W×D×H)	Outline	mm	840×840×240	840×840×240	840×840×240	840×840×240	840×840×240
		Package	mm	963×963×325	963×963×325	963×963×325	963×963×325	963×963×325
	Net weight/Gross weight	kg	27.0/35.0	27.0/35.0	27.0/35.0	27.0/35.0	28.0/36.0	
Panel	Model		TF06	TF06	TF06	TF06	TF06	
	Dimension (W×D×H)	Outline	mm	950×950×65	950×950×65	950×950×65	950×950×65	950×950×65
		Package	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110
Loading quantity	40' GP	unit	126	126	126	126	126	
	40' HQ	unit	144	144	144	144	144	

Model			GMV-ND56T/C-T*	GMV-ND63T/C-T*	GMV-ND71T/C-T*	GMV-ND80T/C-T*	GMV-ND90T/C-T*	
Capacity	Cooling	kW	5.6	6.3	7.1	8.0	9.0	
	Heating	kW	6.3	7.1	8.0	9.0	10.0	
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption	W		35	60	60	85	85	
Airflow volume(H/M/L)	m³/h		950/850/750	1150/950/850	1150/950/850	1250/1000/900	1250/1000/900	
Rated current	Cooling	A	0.2	0.4	0.4	0.4	0.4	
	Heating	A	0.2	0.4	0.4	0.4	0.4	
Sound pressure level(H/M/L)	dB(A)		37/33/30	37/34/31	37/34/31	39/37/34	39/37/34	
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	
Main body	Dimension (W×D×H)	Outline	mm	840×840×240	840×840×240	840×840×240	840×840×240	840×840×240
		Package	mm	963×963×325	963×963×325	963×963×325	963×963×325	963×963×325
	Net weight/Gross weight	kg	28.0/36.0	28.0/36.0	28.0/36.0	29.0/37.0	29.0/37.0	
Panel	Model		TF06	TF06	TF06	TF06	TF06	
	Dimension (W×D×H)	Outline	mm	950×950×65	950×950×65	950×950×65	950×950×65	950×950×65
		Package	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110
Loading quantity	40' GP	unit	126	126	126	126	126	
	40' HQ	unit	144	144	144	144	144	

Model			GMV-ND100T/C-T*	GMV-ND112T/C-T*	GMV-ND125T/C-T*	GMV-ND140T/C-T*	GMV-ND160T/C-T*	
Capacity	Cooling	kW	10.0	11.2	12.5	14.0	16.0	
	Heating	kW	11.2	12.5	14.0	16.0	18.0	
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption	W		85	115	115	115	170	
Airflow volume(H/M/L)	m³/h		1250/1000/900	1650/1300/1100	1650/1300/1100	1650/1300/1100	2000/1800/1430	
Rated current	Cooling	A	0.4	0.6	0.6	0.6	1.2	
	Heating	A	0.4	0.6	0.6	0.6	1.2	
Sound pressure level(H/M/L)	dB(A)		39/37/34	43/41/39	43/41/39	43/41/39	51/48/42	
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.05	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	
Main body	Dimension (W×D×H)	Outline	mm	840×840×240	840×840×290	840×840×290	840×840×290	840×840×290
		Package	mm	963×963×325	963×963×379	963×963×379	963×963×379	963×963×379
	Net weight/Gross weight	kg	29.0/37.0	33.0/42.0	33.0/42.0	33.0/42.0	36.0/44.0	
Panel	Model		TF06	TF06	TF06	TF06	TF06	
	Dimension (W×D×H)	Outline	mm	950×950×65	950×950×65	950×950×65	950×950×65	950×950×65
		Package	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110
Loading quantity	40' GP	unit	126	113	113	113	113	
	40' HQ	unit	144	124	124	124	124	

* This model will be phased out by 2025; please contact with the salesman before placing an order.

Model			GMV-ND22T/D1-T	GMV-ND28T/D1-T	GMV-ND36T/D1-T	GMV-ND45T/D1-T	GMV-ND50T/D1-T	
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.0	
	Heating	kW	2.5	3.2	4.0	5.0	5.6	
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption	W		40	40	40	50	50	
Airflow volume(H/M/L)	m³/h		800/700/600	800/700/600	800/700/600	900/800/700	900/800/700	
Rated current	Cooling	A	0.35	0.35	0.35	0.44	0.44	
	Heating	A	0.35	0.35	0.35	0.44	0.44	
Sound pressure level(H/M/L)	dB(A)		32/29/27	32/29/27	32/29/27	35/30/27	35/30/27	
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	
	Gas	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	
Main body	Dimension (W×D×H)	Outline	mm	840×840×200	840×840×200	840×840×200	840×840×200	840×840×200
		Package	mm	933×933×255	933×933×255	933×933×255	933×933×255	933×933×255
	Net weight/Gross weight	kg	19/23	19/23	19/23	19/23	19/23	
Panel	Model		TF06	TF06	TF06	TF06	TF06	
	Dimension (W×D×H)	Outline	mm	950×950×65	950×950×65	950×950×65	950×950×65	950×950×65
		Package	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110
Loading quantity	40'GP	unit	152	152	152	152	152	
	40'HQ	unit	169	169	169	169	169	

Model			GMV-ND56T/D1-T	GMV-ND63T/D1-T	GMV-ND71T/D1-T	GMV-ND80T/D1-T	GMV-ND90T/D1-T	
Capacity	Cooling	kW	5.6	6.3	7.1	8.0	9.0	
	Heating	kW	6.3	7.1	8.0	9.0	10.0	
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption	W		60	60	60	75	75	
Airflow volume(H/M/L)	m³/h		1100/935/850	1100/935/850	1100/935/850	1400/1000/900	1400/1000/900	
Rated current	Cooling	A	0.49	0.49	0.49	0.60	0.60	
	Heating	A	0.49	0.49	0.49	0.60	0.60	
Sound pressure level(H/M/L)	dB(A)		37/35/32	37/35/32	37/35/32	40/36/31	40/36/31	
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	
Main body	Dimension (W×D×H)	Outline	mm	840×840×200	840×840×200	840×840×200	840×840×240	840×840×240
		Package	mm	933×933×255	933×933×255	933×933×255	933×933×292	933×933×292
	Net weight/Gross weight	kg	21/25	21/25	21/25	22.5/27.5	22.5/27.5	
Panel	Model		TF06	TF06	TF06	TF06	TF06	
	Dimension (W×D×H)	Outline	mm	950×950×65	950×950×65	950×950×65	950×950×65	950×950×65
		Package	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110
Loading quantity	40'GP	unit	152	152	152	139	139	
	40'HQ	unit	169	169	169	157	157	

Model			GMV-ND100T/D1-T	GMV-ND112T/D1-T	GMV-ND125T/D1-T	GMV-ND140T/D1-T	
Capacity	Cooling	kW	10.0	11.2	12.5	14.0	
	Heating	kW	11.2	12.5	14.0	16.0	
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption	W		100	100	160	160	
Airflow volume(H/M/L)	m³/h		1550/1200/1000	1550/1200/1000	1800/1450/1150	1800/1450/1150	
Rated current	Cooling	A	0.76	0.76	0.85	0.85	
	Heating	A	0.76	0.76	0.85	0.85	
Sound pressure level(H/M/L)	dB(A)		43/39/35	43/39/35	46/41/35	46/41/35	
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	
Main body	Dimension (W×D×H)	Outline	mm	840×840×240	840×840×240	840×840×290	840×840×290
		Package	mm	933×933×292	933×933×292	933×933×345	933×933×345
	Net weight/Gross weight	kg	22.5/27.5	22.5/27.5	25/30.5	25/30.5	
Panel	Model		TF06	TF06	TF06	TF06	
	Dimension (W×D×H)	Outline	mm	950×950×65	950×950×65	950×950×65	950×950×65
		Package	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110
Loading quantity	40'GP	unit	139	139	117	117	
	40'HQ	unit	157	157	135	135	

360° Air Discharge Compact Cassette Indoor Unit

Model			GMV-ND15T/E-T	GMV-ND18T/E-T	GMV-ND22T/E-T	GMV-ND28T/E-T	
Capacity	Cooling	kW	1.5	1.8	2.2	2.8	
	Heating	kW	1.8	2.2	2.5	3.2	
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption	W		30	30	30	30	
Airflow volume(H/M/L)	m³/h		460/420/370	460/420/370	500/460/370	570/480/420	
Rated current	Cooling	A	0.15	0.15	0.15	0.15	
	Heating	A	0.15	0.15	0.15	0.15	
Sound pressure level(H/M/L)	dB(A)		33/30/25	33/30/25	36/31/25	36/33/28	
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	
Main body	Dimension (W×D×H)	Outline	mm	570×570×265	570×570×265	570×570×265	570×570×265
		Package	mm	698×653×295	698×653×295	698×653×295	698×653×295
	Net weight/Gross weight	kg	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5	
Panel	Model			TF05	TF05	TF05	TF05
	Dimension (W×D×H)	Outline	mm	620×620×47.5	620×620×47.5	620×620×47.5	620×620×47.5
		Package	mm	701×701×125	701×701×125	701×701×125	701×701×125
	Net weight/Gross weight	kg	3.0/4.5	3.0/4.5	3.0/4.5	3.0/4.5	
Loading quantity	40' GP	unit	378	378	378	378	
	40' HQ	unit	432	432	432	432	

2-way Cassette Indoor Unit

Model			GMV-ND28TS/B-T	GMV-ND36TS/B-T	GMV-ND45TS/B-T	GMV-ND50TS/B-T	GMV-ND56TS/B-T	GMV-ND63TS/B-T	GMV-ND71TS/B-T	GMV-ND80TS/B-T
Capacity	Cooling	kW	2.8	3.6	4.5	5.0	5.6	6.3	7.1	8.0
	Heating	kW	3.2	4.0	5.0	5.6	6.3	7.1	8.0	9.0
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz							
Power consumption	W		20	20	30	30	30	30	55	55
Airflow volume(H/M/L)	m³/h		671/616/513	671/616/513	715/616/513	715/616/513	764/709/676	764/709/676	816/745/660	816/745/660
Rated current	Cooling	A	0.25	0.25	0.30	0.30	0.30	0.30	0.49	0.49
	Heating	A	0.25	0.25	0.30	0.30	0.30	0.30	0.49	0.49
Sound pressure level(H/M/L)	dB(A)		33/31/28	33/31/28	35/31/28	35/31/28	37/35/32	37/35/32	39/37/34	39/37/34
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Main body	Dimension (W×D×H)	Outline	mm	790×630×280	790×630×280	790×630×280	790×630×280	790×630×280	790×630×280	790×630×280
		Package	mm	1033×740×365	1033×740×365	1033×740×365	1033×740×365	1033×740×365	1033×740×365	1033×740×365
	Net weight/Gross weight	kg	25.5/33.0	25.5/33.0	25.5/33.0	25.5/33.0	26.0/33.5	26.0/33.5	26.0/33.5	26.0/33.5
Panel	Model			TE03	TE03	TE03	TE03	TE03	TE03	TE03
	Dimension (W×D×H)	Outline	mm	1100×710×28	1100×710×28	1100×710×28	1100×710×28	1100×710×28	1100×710×28	1100×710×28
		Package	mm	1230×843×130	1230×843×130	1230×843×130	1230×843×130	1230×843×130	1230×843×130	1230×843×130
	Net weight/Gross weight	kg	6.0/10.5	6.0/10.5	6.0/10.5	6.0/10.5	6.0/10.5	6.0/10.5	6.0/10.5	6.0/10.5
Loading quantity	40'GP	unit	144	144	144	144	144	144	144	144
	40'HQ	unit	166	166	166	166	166	166	166	166

Model			GMV-ND36T/E-T	GMV-ND45T/E-T	GMV-ND50T/E-T	GMV-ND56T/E-T
Capacity	Cooling	kW	3.6	4.5	5.0	5.6
	Heating	kW	4.0	5.0	5.6	6.3
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz			
Power consumption	W		30	45	45	45
Airflow volume(H/M/L)	m³/h		620/550/480	730/650/560	730/650/560	730/650/560
Rated current	Cooling	A	0.15	0.23	0.23	0.23
	Heating	A	0.15	0.23	0.23	0.23
Sound pressure level(H/M/L)	dB(A)		39/37/35	43/41/39	43/41/39	43/41/39
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5
Main body	Dimension (W×D×H)	Outline	mm	570×570×265	570×570×265	570×570×265
		Package	mm	698×653×295	698×653×295	698×653×295
	Net weight/Gross weight	kg	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5
Panel	Model			TF05	TF05	TF05
	Dimension (W×D×H)	Outline	mm	620×620×47.5	620×620×47.5	620×620×47.5
		Package	mm	701×701×125	701×701×125	701×701×125
	Net weight/Gross weight	kg	3.0/4.5	3.0/4.5	3.0/4.5	3.0/4.5
Loading quantity	40' GP	unit	378	378	378	378
	40' HQ	unit	432	432	432	432

Model			GMV-ND90TS/B-T	GMV-ND100TS/B-T	GMV-ND112TS/B-T	GMV-ND125TS/B-T	GMV-ND140TS/B-T	GMV-ND160TS/B-T
Capacity	Cooling	kW	9.0	10.0	11.2	12.5	14.0	16.0
	Heating	kW	10.0	11.2	12.5	14.0	16.0	18.0
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption	W		90	90	90	100	100	110
Airflow volume(H/M/L)	m³/h		1470/1310/1275	1470/1310/1275	1470/1310/1275	1565/1400/1275	1565/1400/1275	1755/1565/1275
Rated current	Cooling	A	0.62	0.62	0.62	0.69	0.69	0.75
	Heating	A	0.62	0.62	0.62	0.69	0.69	0.75
Sound pressure level(H/M/L)	dB(A)		41/39/37	41/39/37	41/39/37	43/41/39	43/41/39	46/43/40
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.05
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5
Main body	Dimension (W×D×H)	Outline	mm	1350×630×280	1350×630×280	1350×630×280	1350×630×280	1350×630×280
		Package	mm	1591×740×365	1591×740×365	1591×740×365	1591×740×365	1591×740×365
	Net weight/Gross weight	kg	40.5/50.5	40.5/50.5	40.5/50.5	40.5/50.5	40.5/50.5	40.5/50.5
Panel	Model			TE04	TE04	TE04	TE04	TE04
	Dimension (W×D×H)	Outline	mm	1660×710×28	1660×710×28	1660×710×28	1660×710×28	1660×710×28
		Package	mm	1790×843×130	1790×843×130	1790×843×130	1790×843×130	1790×843×130
	Net weight/Gross weight	kg	9.5/15.5	9.5/15.5	9.5/15.5	9.5/15.5	9.5/15.5	9.5/15.5
Loading quantity	40' GP	unit	96	96	96	96	96	96
	40' HQ	unit	109	109	109	109	109	109

1-way Cassette Indoor Unit

Model			GMV-ND22TD/A-T	GMV-ND28TD/A-T	GMV-ND36TD/A-T	GMV-ND45TD/A-T	GMV-ND50TD/A-T	GMV-ND56TD/A-T
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.0	5.6
	Heating	kW	2.5	3.2	4.0	5.0	5.6	6.3
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption	W		30	30	30	45	45	45
Airflow volume(H/M/L)	m³/h		600/500/450	600/500/450	600/500/450	830/600/500	830/600/500	890/667/564
Rated current	Cooling	A	0.2	0.2	0.2	0.3	0.3	0.3
	Heating	A	0.2	0.2	0.2	0.3	0.3	0.3
Sound pressure level(H/M/L)	dB(A)		36/32/28	36/32/28	36/32/28	40/35/30	40/35/30	41/38/35
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52
	Gas	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5
Main body	Dimension (W×D×H)	Outline	mm	987×385×178	987×385×178	987×385×178	987×385×178	987×385×178
		Package	mm	1307×501×310	1307×501×310	1307×501×310	1307×501×310	1307×501×310
	Net weight/Gross weight	kg	20/27	20/27	20/27	21/28.5	21/28.5	21/28.5
Panel	Model		TD01	TD01	TD01	TD01	TD01	TD01
	Dimension (W×D×H)	Outline	mm	1200×460×55	1200×460×55	1200×460×55	1200×460×55	1200×460×55
		Package	mm	1265×536×121	1265×536×121	1265×536×121	1265×536×121	1265×536×121
	Net weight/Gross weight	kg	4.2/6	4.2/6	4.2/6	4.2/6	4.2/6	
Loading quantity	40' GP	unit	215	215	215	215	215	
	40' HQ	unit	242	242	242	242	242	

Model			GMV-ND63TD/B-T	GMV-ND71TD/B-T	GMV-ND80TD/B-T
Capacity	Cooling	kW	6.3	7.1	8.0
	Heating	kW	7.1	8.0	9.0
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz		
Power consumption	W		57	83	83
Airflow volume(H/M/L)	m³/h		880/680/600	1000/680/600	1000/680/600
Rated current	Cooling	A	0.55	0.86	0.86
	Heating	A	0.55	0.86	0.86
Sound pressure level(H/M/L)	dB(A)		42/39/36	44/39/36	44/39/36
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25
	Thickness	mm	2.50	2.50	2.50
Main body	Dimension (W×D×H)	Outline	mm	1200×470×200	1200×470×200
		Package	mm	1438×548×255	1438×548×255
	Net weight/Gross weight	kg	26/31.5	26/31.5	26/31.5
Panel	Model		TD03	TD03	TD03
	Dimension (W×D×H)	Outline	mm	1350×555×64	1350×555×64
		Package	mm	1443×648×155	1443×648×155
	Net weight/Gross weight	kg	7.8/13.5	7.8/13.5	7.8/13.5
Loading quantity	40'GP	unit	170	170	170
	40'HQ	unit	189	189	189

Floor Ceiling Type Indoor Unit

Model			GMV-ND28ZD/B-T	GMV-ND36ZD/B-T	GMV-ND50ZD/B-T	GMV-ND56ZD/B-T	GMV-ND63ZD/B-T	GMV-ND71ZD/B-T
Capacity	Cooling	kW	2.8	3.6	5.0	5.6	6.3	7.1
	Heating	kW	3.2	4.0	5.6	6.3	7.1	8.0
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption	W		35	35	55	55	80	80
Airflow volume(H/M/L)	m³/h		600/500/450	600/500/450	750/650/600	750/650/600	1350/1200/1050	1350/1200/1050
Rated current	Cooling	A	0.2	0.2	0.3	0.3	0.4	0.4
	Heating	A	0.2	0.2	0.3	0.3	0.4	0.4
Sound pressure level(H/M/L)	dB(A)		36/32/29	36/32/29	42/39/36	42/39/36	44/41/38	44/41/38
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ9.52	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ17	Φ17	Φ17	Φ17	Φ17	Φ17
	Thickness	mm	1.75	1.75	1.75	1.75	1.75	1.75
Dimension (W×D×H)	Outline	mm	870×665×235	870×665×235	870×665×235	870×665×235	1200×665×235	1200×665×235
	Package	mm	973×770×300	973×770×300	973×770×300	973×770×300	1303×770×300	1303×770×300
Net weight/Gross weight	kg		24/29	24/29	25/30	25/30	32/38	32/38
Loading quantity	40' GP	unit	252	252	252	252	189	189
	40' HQ	unit	288	288	288	288	216	216

Model			GMV-ND90ZD/B-T	GMV-ND112ZD/B-T	GMV-ND125ZD/B-T	GMV-ND140ZD/B-T	GMV-ND160ZD/B-T
Capacity	Cooling	kW	9.0	11.2	12.5	14.0	16.0
	Heating	kW	10.0	12.5	14.0	16.0	18.0
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption	W		120	120	120	150	175
Airflow volume(H/M/L)	m³/h		1550/1400/1250	1800/1600/1400	1800/1600/1400	2000/1750/1600	2150/1850/1650
Rated current	Cooling	A	0.7	0.7	0.7	0.8	0.9
	Heating	A	0.7	0.7	0.7	0.8	0.9
Sound pressure level(H/M/L)	dB(A)		47/44/41	47/44/42	47/44/42	49/45/43	52/48/45
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.05
Drain pipe	External dia.	mm	Φ17	Φ17	Φ17	Φ17	Φ17
	Thickness	mm	1.75	1.75	1.75	1.75	1.75
Dimension (W×D×H)	Outline	mm	1200×665×235	1570×665×235	1570×665×235	1570×665×235	1570×665×235
	Package	mm	1303×770×300	1669×770×300	1669×770×300	1669×770×300	1669×770×300
Net weight/Gross weight	kg		33/39	41/48	41/48	43/50	43/50
Loading quantity	40' GP	unit	189	147	147	147	147
	40' HQ	unit	216	168	168	168	168

Wall-mounted Type Indoor Unit

Model			GMV-ND15G/ B4B-T	GMV-ND18G/ B4B-T	GMV-ND22G/ B4B-T	GMV-ND28G/ B4B-T	GMV-ND36G/ B4B-T	GMV-ND45G/ B4B-T	GMV-ND50G/ B4B-T
Capacity	Cooling	kW	1.5	1.8	2.2	2.8	3.6	4.5	5.0
	Heating	kW	1.8	2.2	2.5	3.2	4.0	5.0	5.6
Power supply	V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz							
Power consumption	W	20	20	20	20	25	35	35	35
Airflow volume(H/M/L)	m³/h	500/440/300	500/440/300	500/440/300	500/440/300	630/460/320	850/580/500	850/580/500	850/580/500
Rated current	Cooling	A	0.1	0.1	0.1	0.1	0.12	0.17	0.17
	Heating	A	0.1	0.1	0.1	0.1	0.12	0.17	0.17
Sound pressure level(H/M/L)	dB(A)	35/33/30	35/33/30	35/33/30	35/33/30	38/35/31	43/40/37	43/40/37	43/40/37
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Φ20	Φ20	Φ20	Φ20	Φ20	Φ20	Φ20
	Thickness	mm	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Dimension (W × D × H)	Outline	mm	845 × 209 × 289	845 × 209 × 289	845 × 209 × 289	845 × 209 × 289	845 × 209 × 289	970 × 224 × 300	970 × 224 × 300
	Package	mm	976 × 281 × 379	976 × 281 × 379	976 × 281 × 379	976 × 281 × 379	976 × 281 × 379	1096 × 308 × 395	1096 × 308 × 395
Net weight/Gross weight	kg	10.5/12.5	10.5/12.5	10.5/12.5	10.5/12.5	10.5/12.5	12.5/15.5	12.5/15.5	12.5/15.5
Loading quantity	40' GP	unit	576	576	576	576	576	448	448
	40' HQ	unit	576	576	576	576	576	512	512

Model			GMV-ND56G/ B4B-T	GMV-ND63G/ B4B-T	GMV-ND71G/ B4B-T	GMV-ND80G/ B4B-T	GMV-ND90G/ B4B-T	GMV-ND100G/ B4B-T
Capacity	Cooling	kW	5.6	6.3	7.1	8.0	9.0	9.5
	Heating	kW	6.3	7.1	7.5	9.0	10.0	10.5
Power supply	V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz						
Power consumption	W	50	50	65	80	80	100	100
Airflow volume(H/M/L)	m³/h	1100/850/650	1100/850/650	1200/850/650	1550/1050/800	1550/1050/800	1650/1100/900	1650/1100/900
Rated current	Cooling	A	0.24	0.24	0.31	0.41	0.41	0.41
	Heating	A	0.24	0.24	0.31	0.41	0.41	0.41
Sound pressure level(H/M/L)	dB(A)	43/41/37	43/41/37	44/41/37	49/46/40	49/46/40	52/48/40	52/48/40
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ20	Φ20	Φ20	Φ20	Φ20	Φ20
	Thickness	mm	1.5	1.5	1.5	1.5	1.5	1.5
Dimension (W × D × H)	Outline	mm	1078 × 246 × 325	1078 × 246 × 325	1078 × 246 × 325	1350 × 258 × 326	1350 × 258 × 326	1350 × 258 × 326
	Package	mm	1203 × 338 × 425	1203 × 338 × 425	1203 × 338 × 425	1496 × 357 × 433	1496 × 357 × 433	1496 × 357 × 433
Net weight/Gross weight	kg	16/19	16/19	16/19	20/24	20/24	20/24	20/24
Loading quantity	40' GP	unit	282	282	282	228	228	228
	40' HQ	unit	329	329	329	266	266	266

Console Indoor Unit

Model			GMV-ND22C/A-T	GMV-ND28C/A-T	GMV-ND36C/A-T	GMV-ND45C/A-T	GMV-ND50C/A-T
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.0
	Heating	kW	2.5	3.2	4.0	5.0	5.5
Power supply	V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption	W	15	15	20	40	40	40
Airflow volume(H/M/L)	m³/h	400/320/270	400/320/270	480/400/310	680/600/500	680/600/500	680/600/500
Rated current	Cooling	A	0.17	0.17	0.25	0.4	0.4
	Heating	A	0.17	0.17	0.25	0.4	0.4
Sound pressure level(H/M/L)	dB(A)	38/33/27	38/33/27	40/37/32	46/43/39	46/43/39	46/43/39
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Φ28	Φ28	Φ28	Φ28	Φ28
	Thickness	mm	1	1	1	1	1
Dimension (W × D × H)	Outline	mm	700 × 215 × 600	700 × 215 × 600	700 × 215 × 600	700 × 215 × 600	700 × 215 × 600
	Package	mm	788 × 283 × 777	788 × 283 × 777	788 × 283 × 777	788 × 283 × 777	788 × 283 × 777
Net weight/Gross weight	kg	16/19	16/19	16/19	16/19	16/19	16/19
Loading quantity	40' GP	unit	348	348	348	348	348
	40' HQ	unit	348	348	348	348	348

Floor Standing Type

Model			GMV-ND100L/A-T	GMV-ND140L/A-T
Capacity	Cooling	kW	10.0	14.0
	Heating	kW	11.0	15.0
Power supply	V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz		
Power consumption	W	200	200	200
Airflow volume(H/M/L)	m³/h	1850/1600/1400	1850/1600/1400	1850/1600/1400
Sound pressure level(H/M/L)	dB(A)	50/48/46	50/48/46	50/48/46
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ31	Φ31
	Thickness	mm	4.5	4.5
Dimension (W × D × H)	Outline	mm	1870 × 580 × 400	1870 × 580 × 400
	Package	mm	2083 × 738 × 545	2083 × 738 × 545
Net weight/Gross weight	kg	54.0/74.0	57.0/77.0	57.0/77.0
Loading quantity	40' GP	unit	67	67
	40' HQ	unit	67	67

Concealed Floor Standing Type

Model		GMV-ND22ZA/A-T	GMV-ND28ZA/A-T	GMV-ND36ZA/A-T	GMV-ND45ZA/A-T	GMV-ND56ZA/A-T	GMV-ND63ZA/A-T	GMV-ND71ZA/A-T	
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	6.3	7.1
	Heating	kW	2.5	3.2	4.0	5.0	6.3	7.1	8.0
Power supply	V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz							
Power consumption	W	35	35	43	45	80	80	90	
Airflow volume(H/M/L)	m³/h	450/350/250	450/350/250	550/450/350	650/500/400	900/750/600	900/750/600	1100/900/700	
Rated current	Cooling	A	0.18	0.18	0.22	0.23	0.41	0.41	0.46
	Heating	A	0.18	0.18	0.22	0.23	0.41	0.41	0.46
ESP	Pa	10/0 ~ 40	10/0 ~ 40	10/0 ~ 40	15/0 ~ 60	15/0 ~ 60	15/0 ~ 60	15/0 ~ 60	
Sound pressure level(H/M/L)	dB(A)	30/28/25	30/28/25	33/31/28	33/31/28	35/33/30	35/33/30	37/35/33	
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	1.2	1.2	1.2	1.2	1.2	1.2	
Dimension (W × D × H)	Outline	mm	700 × 200 × 615	700 × 200 × 615	700 × 200 × 615	900 × 200 × 615	1100 × 200 × 615	1100 × 200 × 615	1100 × 200 × 615
	Package	mm	893 × 305 × 743	893 × 305 × 743	893 × 305 × 743	1123 × 305 × 743	1323 × 305 × 743	1323 × 305 × 743	1323 × 305 × 743
Net weight/Gross weight	kg	23/30	23/30	23/30	27/36	32/41	32/41	32/41	
Loading quantity	40' GP	unit	273	273	273	217	175	175	175
	40' HQ	unit	312	312	312	248	200	200	200

AHU-KIT

Model		GMV-N36U/C-T	GMV-N71U/C-T					GMV-N140U/C-T					GMV-N280U/C-T					GMV-N560U/C-T					
Defaulted capacity of ex-factory	Capacity	36	71					140					280					560					
	Cooling	kW	3.6	7.1					14.0					28.0					56.0				
	Heating	kW	4.0	8.0					16.0					31.5					63.0				
Adjustable capacity	Capacity	28	36	45	56	71	90	112	140	224	280	335	400	450	504	560	840						
	Cooling	kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	22.4	28.0	33.5	40.0	45.0	50.4	56.0	84.0					
	Heating	kW	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0	25.0	31.5	37.5	45.0	50.0	56.5	63.0	94.5					
Power input	W	8		8			8					8					8						
Power supply	V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz																					
Size of connection pipe	AHU-KIT (ex-factory pipe size)	mm	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ15.9	Φ15.9	Φ15.9						
	Air handling unit	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9						
	Gas pipe	mm	Φ9.52	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.05	Φ22.2	Φ25.4	Φ25.4	Φ28.6	Φ28.6	Φ31.8						
Connection method		Brazing Connection																					
Outline dimension (W × D × H)	EXV box	mm	203 × 326 × 85					203 × 326 × 85					203 × 326 × 85					246 × 500 × 120					
	Control box	mm	334 × 284 × 111					334 × 284 × 111					334 × 284 × 111					334 × 284 × 111					
Package dimension(W × D × H)	mm	539 × 461 × 247					539 × 461 × 247					539 × 461 × 247					759 × 645 × 180						
Net weight	kg	10.0					10.5					10.5					13.0						
Gross weight	kg	13.0					13.5					13.5					17.5						
Loading	40' GP	unit	990					990					990					702					
	40' HP	unit	1100					1100					1100					756					

Combination model		GMV-N980U/C-T	GMV-N1120U/C-T	GMV-N1400U/C-T	GMV-N1680U/C-T	GMV-N1820U/C-T	GMV-N1960U/C-T	GMV-N2240U/C-T	GMV-N2520U/C-T	
Single model		GMV-N560U/C-T +GMV-N140U/C-T	GMV-N560U/C-T +GMV-N280U/C-T	GMV-N560U/C-T +GMV-N560U/C-T	GMV-N560U/C-T +GMV-N560U/C-T +GMV-N140U/C-T	GMV-N560U/C-T +GMV-N560U/C-T +GMV-N280U/C-T	GMV-N560U/C-T +GMV-N560U/C-T +GMV-N280U/C-T	GMV-N560U/C-T +GMV-N560U/C-T +GMV-N560U/C-T	GMV-N560U/C-T +GMV-N560U/C-T +GMV-N560U/C-T	
Defaulted capacity of ex-factory	Capacity	840+140	840+280	840+560	840+840	840+840+140	840+840+280	840+840+560	840+840+840	
	Cooling	kW	98.0	112.0	140.0	168.0	182.0	196.0	224.0	252.0
	Heating	kW	110.5	126.0	157.5	189.0	204.5	220.5	252.0	283.5
Power input	W	8+8	8+8	8+8	8+8	8+8+8	8+8+8	8+8+8	8+8+8	
Power supply	V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz								
Size of connection pipe	Air handling unit	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ22.2	Φ22.2	Φ22.2
	Gas pipe	mm	Φ38.1	Φ38.1	Φ41.3	Φ41.3	Φ41.3	Φ44.5	Φ44.5	Φ44.5
Connection method		Brazing Connection								
Outline dimension (W × D × H)	EXV box	mm	246 × 500 × 120 +203 × 326 × 85	246 × 500 × 120 +203 × 326 × 85	(246 × 500 × 120) × 2	(246 × 500 × 120) × 2 +203 × 326 × 85	(246 × 500 × 120) × 2 +203 × 326 × 85	(246 × 500 × 120) × 2 +203 × 326 × 85	(246 × 500 × 120) × 3	
	Control box	mm	(334 × 284 × 111) × 2	(334 × 284 × 111) × 2	(334 × 284 × 111) × 2	(334 × 284 × 111) × 3	(334 × 284 × 111) × 3	(334 × 284 × 111) × 3	(334 × 284 × 111) × 3	
Package dimension(W × D × H)	mm	759 × 645 × 180+539 × 461 × 247	759 × 645 × 180+539 × 461 × 247	(759 × 645 × 180) × 2	(759 × 645 × 180) × 2 +539 × 461 × 247	(759 × 645 × 180) × 2 +539 × 461 × 247	(759 × 645 × 180) × 2 +539 × 461 × 247	(759 × 645 × 180) × 3		
Net weight	kg	13.0+10.5	13.0+10.5	13.0+13.0	13.0+13.0+10.5	13.0+13.0+10.5	13.0+13.0+10.5	13.0+13.0+10.5		
Gross weight	kg	17.5+13.5	17.5+13.5	17.5+17.5	17.5+17.5+13.5	17.5+17.5+13.5	17.5+17.5+13.5	17.5+17.5+17.5		

Fresh Air Processing Indoor Unit

Model		GMV-NDX125P/A-T	GMV-NDX140P/A-T	GMV-NDX224P/A-T	GMV-NDX250P/A-T	GMV-NDX280P/A-T	GMV-NX450P/A(X4.0)-M	
Capacity	Cooling ¹⁾	kW	12.5	14.0	22.4	25.0	28.0	45.0
	Heating ²⁾	kW	8.5	10.0	16.0	18.0	20.0	32.0
	Heating ³⁾	kW	10.5	12.0	20.0	22.0	22.0	35.0
Power supply	V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz						380-415V 3N~50Hz
Power consumption ⁴⁾	W	200/350	200/350	400/760	520/860	520/860	1240	
ESP ⁵⁾	Pa	150/50~200	150/50~200	200/50 ~ 300	200/50 ~ 300	200/50 ~ 300	200	
Airflow volume (Default/Range) ⁶⁾	m³/h	1200/1000~2000	1200/1000~2000	2000/1500~3000	2500/2000~3500	2500/2000~3500	4000	
Rated current ⁷⁾	Cooling	A	1.5/2.0	1.5/2.0	2.5/4.3	3.1/4.9	3.1/4.9	3.4
	Heating	A	1.5/2.0	1.5/2.0	2.5/4.3	3.1/4.9	3.1/4.9	3.4
Sound pressure level (Default/Range) ⁸⁾	dB(A)	46/40~50	46/40~50	45/45~54	47/47~54	47/47~54	58	
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7
	Gas	mm	Φ15.9	Φ15.9	Φ19.05	Φ22.2	Φ22.2	Φ28.6
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ33
	Thickness	mm	2.5	2.5	2.0	2.0	2.0	3.0
Dimension (W × D × H)	Outline	mm	1400 × 700 × 300	1400 × 700 × 300	1483 × 791 × 385	1483 × 791 × 385	1483 × 791 × 385	1700x1100x650
	Package	mm	1601 × 813 × 365	1601 × 813 × 365	1578 × 883 × 472	1578 × 883 × 472	1578 × 883 × 472	1893x1463x838
Net weight/Gross weight	kg	54/61	54/61	82/104	82/104	82/104	208/266	
Loading quantity	40' GP	unit	84	84	52	52	52	16
	40' HQ	unit	98	98	65	65	65	16

Note:

- Rated cooling capacity test conditions: indoor 35°C DB/28°C WB, outdoor 35°C DB.
- Rated heating capacity test conditions: indoor 7°C DB, outdoor 7°C DB/6°C WB.
- Rated heating capacity test conditions: indoor -7°C DB, outdoor 0°C DB / -2.9°C WB.
- As for power consumption column, the left side of "/" is the rated power, and the right side is the max. power.
- External static pressure: the left side of "/" is the static pressure of a standard unit while the right side is the static pressure option of a non-standard unit.
- Air volume: the left side of "/" is the rated air volume while the right side is the adjustable fresh air volume.
- Input current: the left side of "/" is the rated current while the right side is the maximum current.
- As to noise: the left side of "/" is the noise value under rated static pressure while the right side is the noise range with the change of static pressure.

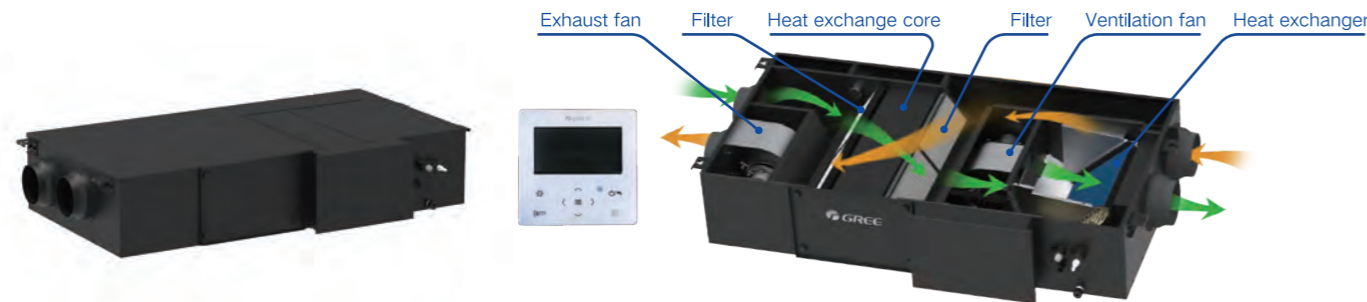
Healthy Products



ERV+DX COIL



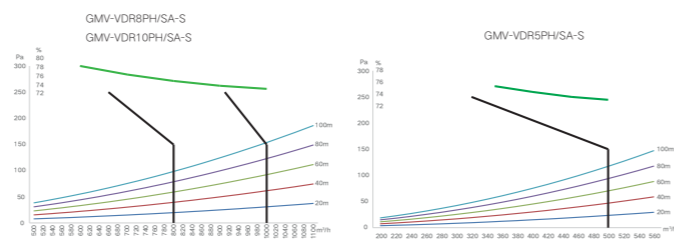
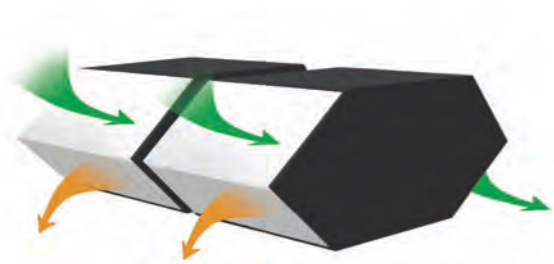
This series are fresh air units with evaporators, which means they have total heat exchangers and evaporators. When it's used with outdoor units, it can deliver fresh air without increasing the indoor load. They have multiple operation modes and are widely applicable.



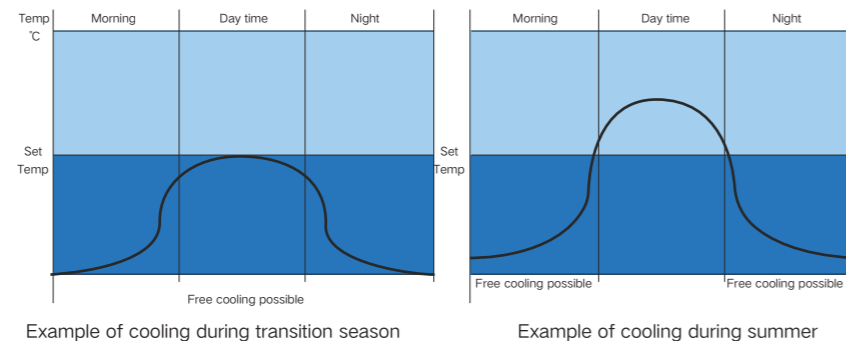
- Memory function
- Easier maintenance
- °C/°F switch
- Centralized control
- Weekly timer
- Child lock

» **High-efficiency HR module:** They are built with heat exchange chips for efficient energy recovery on the air discharge side. When they are in use, other air conditioning equipment will consume less power.

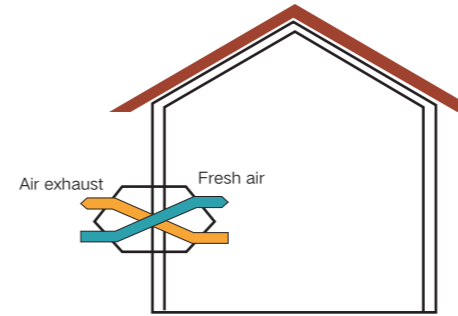
» **Constant air volume:** Units adopt constant air volume control technology so that they can maintain constant air volume within a specific range of pipeline resistance.



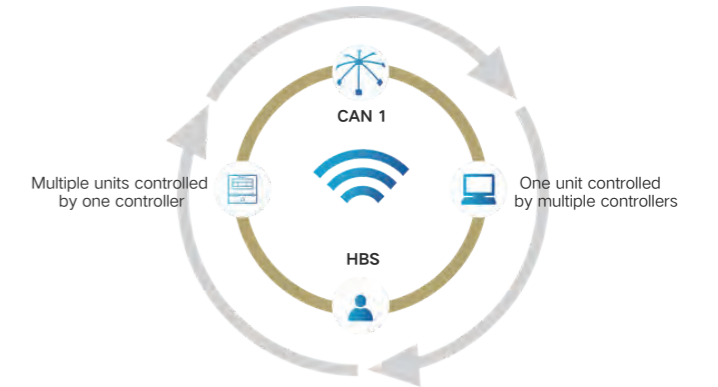
» **Free cooling:** When outdoor temperature is lower than the set temperature, units can automatically introduce the fresh outdoor air to make the room cooler. In transition season, free cooling can always be valid; under large temperature difference of day and night in summer, the free cooling mode can also be activated to cool down the indoor temperature.



» **Multiple air supply modes:** Positive pressure air supply: Different air flow volume can be set for the fresh air side and air discharge side to keep the indoor side under minor positive pressure, which will help guarantee room cleanliness; Negative pressure air supply: Different air flow volume can be set for the fresh air side and air discharge side to keep the indoor side under minor negative pressure, which will help prevent leakage of indoor pollutants. Balanced air supply: The fresh air side and air discharge side can be set with the same air flow volume (default).



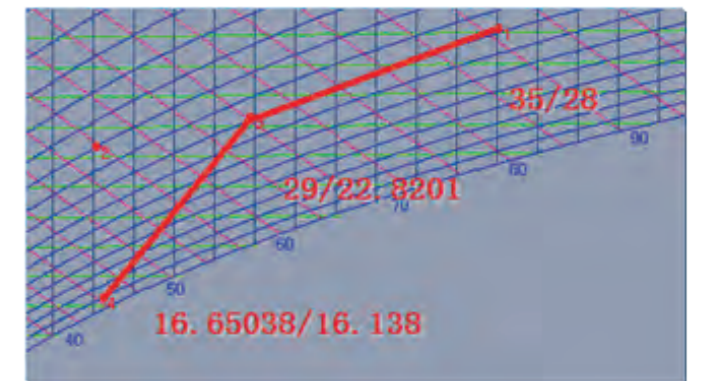
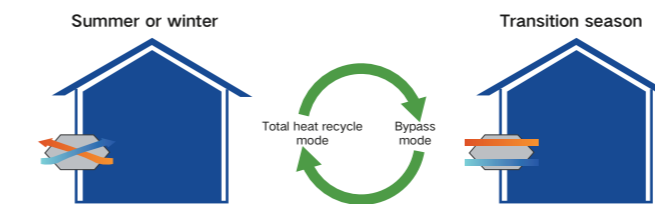
» **Linked control:** Units can be connected to other indoor units in the same CAN and HBS networks for linked control.



» **Cooling and heating functions:** With fan coils, they have cooling and heating functions like common air conditioners. For example: Under the condition of 35°C (RH60%) for outdoor temperature, 27°C (RH50%) for indoor temperature and 73% of heat exchanger efficiency, when the fresh air passes through the core heat exchanger, and it reaches about 29°C, and then the fresh air is further cooled down and dehumidified by the evaporator, so that the fresh air reaches the appropriate temperature before entering the room.

» **Multiple operation modes:**

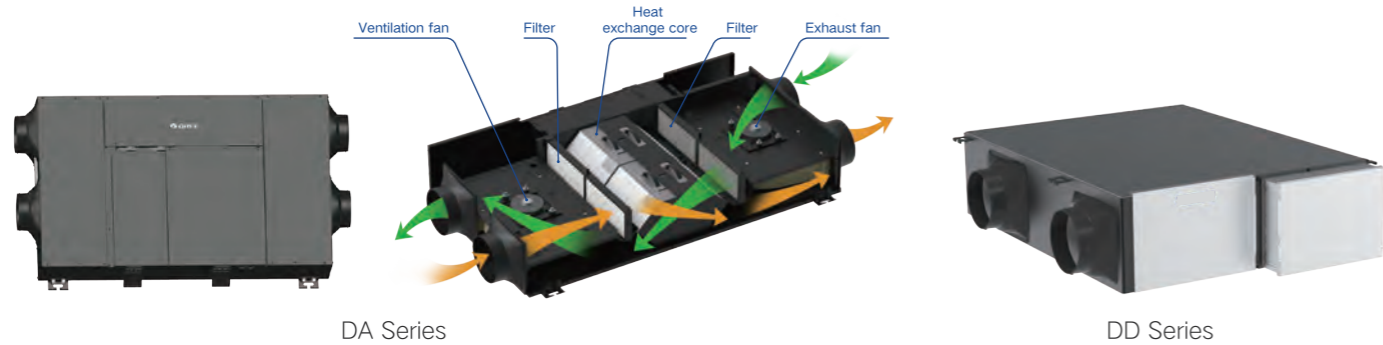
Total heat exchange mode: There is heat exchange at the fresh air side and air discharge side for efficiency energy recovery. By-pass mode: Ventilation without heat exchange. Air discharge mode: Only air discharge side is turned on for ventilation.



Model		GMV-VDR5PH/SA-S	GMV-VDR8PH/SA-S	GMV-VDR10PH/SA-S		
Rated voltage	V	220-240				
Rated frequency	Hz	50/60				
Cooling capacity	kW	8.5	12.0	14.5		
Heating capacity	kW	4.0	10.6	12.0		
Power input	kW	0.27	0.44	0.64		
Current input	A	1.65	2.73	3.86		
Indoor unit	Airflow volume	CFM	294	471	589	
		m ³ /h	500	800	1000	
	ESP	Rated	Pa	150	150	
	Thermal exchange efficiency	%	73	74	73	
	Sound power level	dB	55	59	62	
	Dimension (W × D × H)	Outline	mm	1700 × 880 × 340	1800 × 1185 × 390	1800 × 1185 × 390
		Package	mm	1988 × 1138 × 535	2110 × 1440 × 567	2110 × 1440 × 567
Net weight/Gross weight	kg	120/175	158/225	158/225		
Ventiduct	Outer diameter	mm	200	250	250	
Loading quantity	20'GP/40'GP/40'HQ	unit	20/44/44	16/32/32	16/32/32	
Standard wired controller			XE70-33/H			

ERV

ERV unit is an air terminal that can purify fresh outdoor air and exchange energy with indoor exhaust air. The unit consists of filters, heat exchangers and fan motors. The fresh outdoor air will pass through the filter and then exchange energy with the exhaust air in the total heat exchanger before entering the room. Through pre-cooling/pre-heating of the outdoor air, it can effectively reduce the fresh air load and achieve ventilation, air filtration and energy conservation.



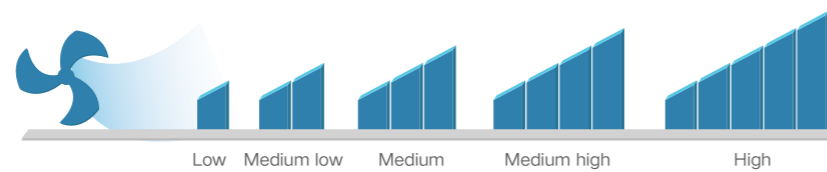
Ultra-thin Body, Convenient Maintenance

The unit is 220mm/240mm thick, which makes it easier to be installed into a narrow ceiling space; the lower service access port is convenient for maintenance.



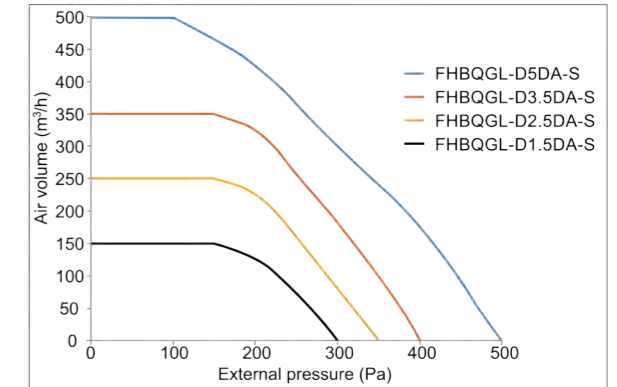
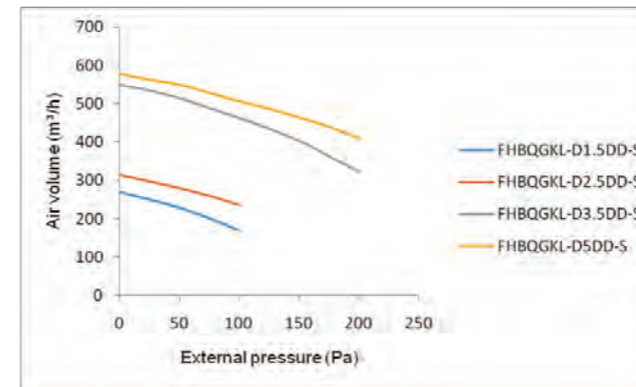
Multi-step Air Volume Control

The unit has five-step air speed for adjustment to meet the fresh air requirements of different houses and different piping sizes.



Constant Air Volume Control Technology*

The unit adopts brushless DC motor stepless speed regulation and constant air volume control technology. Within a certain range of external static pressure, the unit judges through independent operation to keep the fresh air volume output constant.



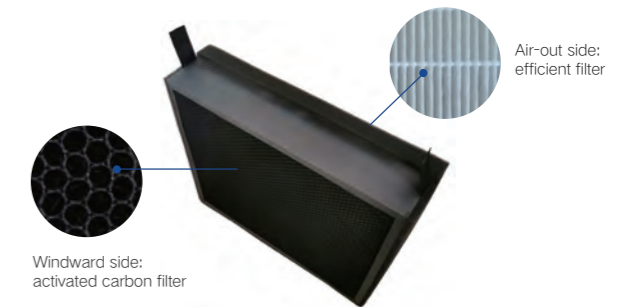
*Note: This feature is only fit for DA series.

Efficient Filtration*

» There are 2 layers of filters at the front of the core in fresh air side—【Pre-filter+HEPA(grade H13 filter material)】 2-in-1 filter, which can effectively filter the outdoor air and filter efficiency is up to 99%.



» The user can install the efficient reinforced filter 【Activated carbon filter+efficient filter】 at fresh air outlet side. One pass purification efficiency for PM2.5 is up to 99.9%.



*Note: This feature is only fit for DD series.

Multiple Control Methods

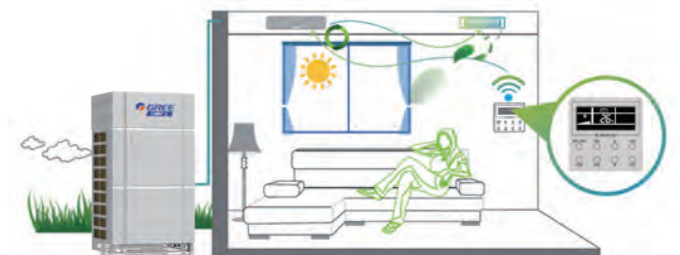
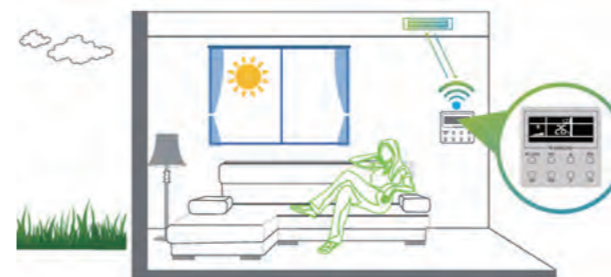
The unit can realize linkage control with multi VRF indoor unit (Connection with the multi VRF system is required).

» Manual Control

By using the standard wired controller, users can manually control the start and stop of the fresh air unit.

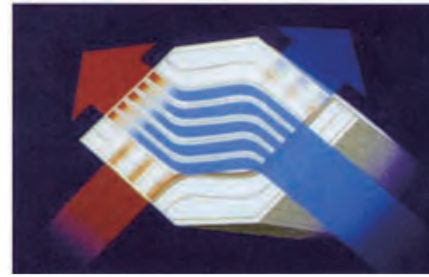
» Linkage Control

After connecting the fresh air unit to Gree multi VRF indoor unit through communication wire, set the wired controller of fresh air unit to linkage control mode. When the multi VRF air conditioning system is turned on, the fresh air unit automatically turns on to purify the indoor air; when the multi VRF air conditioning system is turned off, the fresh air unit automatically turns off, worry-free and energy-saving.



Two-way Flow Heat Recovery

The unit brings outdoor fresh air into the room, and at the same time exhausts the indoor dirty air. The fresh air flow and the exhaust air flow conduct counter-flow heat exchange inside the total heat exchanger to efficiently recover the exhaust energy, reduce the fresh air load, and save energy.



DA Series

Model		FHBQGL-D1.5DA-S	FHBQGL-D2.5DA-S	FHBQGL-D3.5DA-S	FHBQGL-D5DA-S
Air flow volume	m³/h	150	250	350	500
ESP	Pa	100	100	100	100
Temperature exchange efficiency	%	78	75	65	75
Power supply	V/Ph/Hz	220-240 /1/ 50/60	220-240 /1/ 50/60	220-240 /1/ 50/60	220-240 /1/ 50/60
Power input	kW	0.05	0.1	0.15	0.3
Sound power level	dB	39	44	49	55
Dimension (W × D × H)	Outline	mm	1160 × 700 × 220	1160 × 700 × 220	1200 × 785 × 240
	Package	mm	1468 × 873 × 285	1468 × 873 × 285	1528 × 973 × 305
Net weight/Gross weight	kg	50/58.5	50/58.5	60/70.5	71.5/82.5
Loading quantity	20' GP/40' GP/40' HQ	unit	82/172/195	82/172/195	57/121/140

Note: The above products don't have EUROVENT certification and can't be sold to the EU markets.

Model		FHBQGL-D1.5DA-T	FHBQGL-D2.5DA-T	FHBQGL-D3.5DA-T	FHBQGL-D5DA-T
Air flow volume	m³/h	150	250	350	500
ESP	Pa	100	100	100	100
Temperature exchange efficiency	%	80	75	76	73
Power supply	V/Ph/Hz	208-230/1/60 220-240/1/50	208-230/1/60 220-240/1/50	208-230/1/60 220-240/1/50	208-230/1/60 220-240/1/50
Power input	kW	0.050	0.105	0.155	0.250
Sound power level	dB	43	50	55	57
Dimension (W × D × H)	Outline	mm	1160 × 700 × 220	1160 × 700 × 220	1200 × 785 × 240
	Package	mm	1468 × 873 × 285	1468 × 873 × 285	1528 × 973 × 305
Net weight/Gross weight	kg	50/58.5	50/58.5	60/70.5	71.5/82.5
Loading quantity	40' GP/40' HQ	unit	172/195	121/140	117/131
SEC class	-	A	B	-	-

DD Series

Model		FHBQGL-D1.5DD-S	FHBQGL-D2.5DD-S	FHBQGL-D3.5DD-S	FHBQGL-D5DD-S
Air flow volume	m³/h	150	250	350	500
ESP	Pa	100	100	100	100
Enthalpy exchange efficiency	Heating	%	71	62	60
	Cooling	%	55	55	55
Power supply	V/Ph/Hz	220-240 /1/ 50/60	220-240 /1/ 50/60	220-240 /1/ 50/60	220-240 /1/ 50/60
Power input	kW	0.095	0.135	0.180	0.360
Sound pressure level	dB(A)	33	37	38	44
Dimension (W × D × H)	Outline	mm	660 × 850 × 220	660 × 850 × 220	900 × 920 × 240
	Package	mm	1045 × 893 × 285	1045 × 893 × 285	1168 × 1119 × 305
Net weight/Gross weight	kg	34/41	34/41	48/59	48/59
Loading quantity	20' GP/40' GP/40' HQ	unit	96/208/234	96/208/234	72/160/180

Note: The above products can only be sold to the areas without certification requirements.

UVU

Gree UVU is specially developed for effectively removing PM2.5, SO₂, NO₂ and other air. With its new technology, new technique and unique processing technology, it creates a comfortable and healthy environment for users, and brings fresh feelings.

It is suitable for residences, villas, banks, office buildings and other places with fresh air demand.



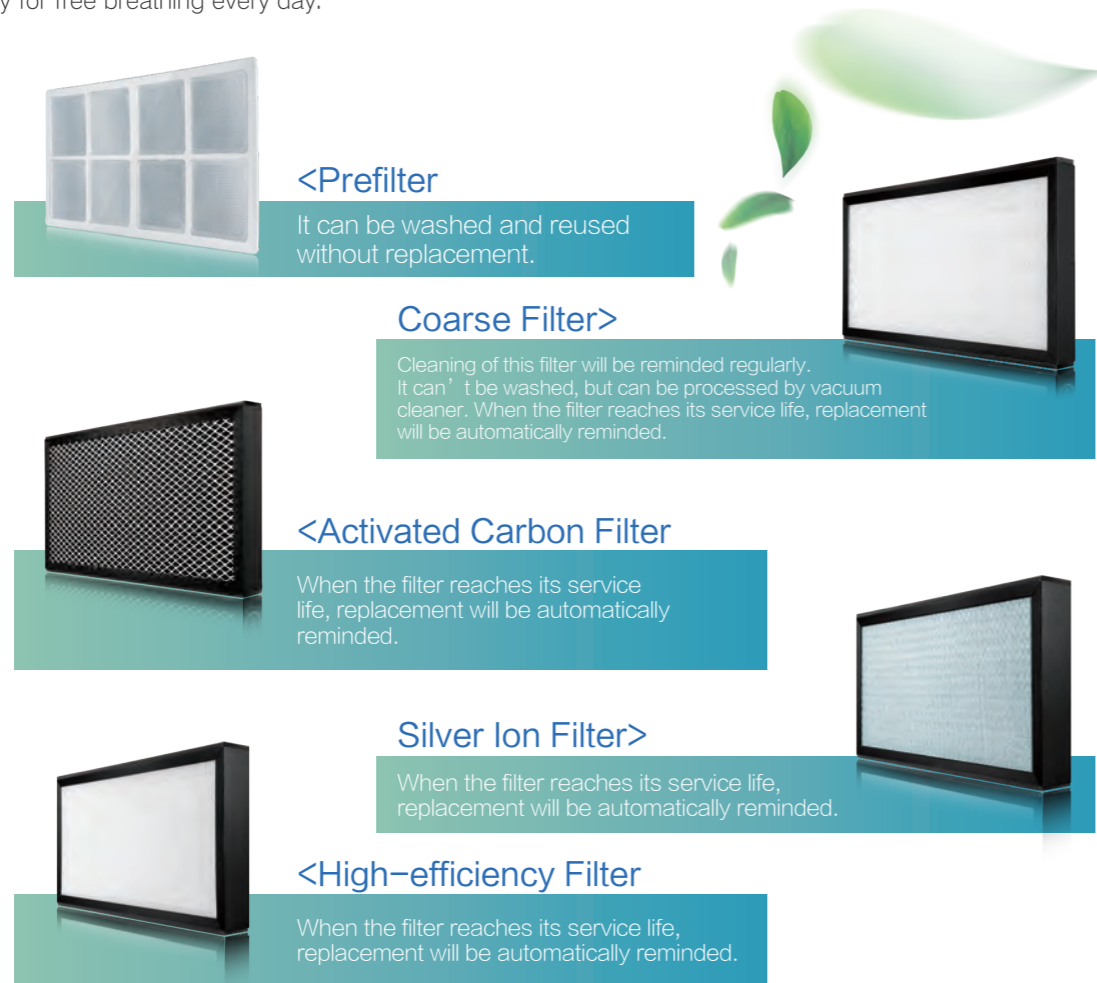
Quintuple Protection and Three-dimensional Purification

Five-layer filtration mode is innovatively adopted, completely isolating particles from getting into the room. As tested by the authority, its one-time purification rate reaches 99.4%.



Automatic Reminder of Cleaning and Replacement

Gree UVU is specially equipped with the reminder function. When the filter shall be cleaned or replaced, it will remind the user automatically for free breathing every day.



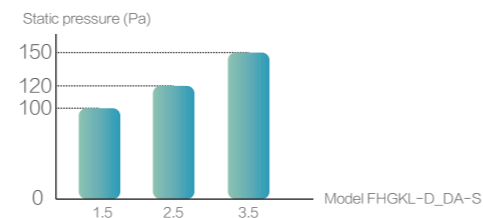
Constant Air Volume Control

The air volume is constant within a certain resistance range to ensure that the air volume is stable and does not decrease under filth blockage situations of different filters.



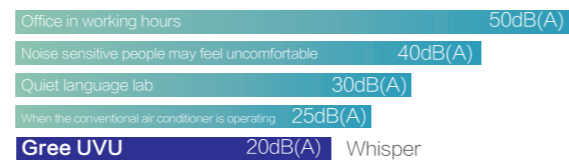
High Static Pressure Design

High static pressure design is adopted to meet different engineering installation requirements.



Low-noise Design

The noise in sleeping mode is as low as 20dB(A), equivalent to a whisper, giving you a peaceful indoor space.



Clasp Design

The structure design is ingenious with the maintenance door connected with clasps and hinges. The unit doesn't need to be disassembled during opening and closing the maintenance door, so it is very convenient for replacing the filter or maintaining the motor.

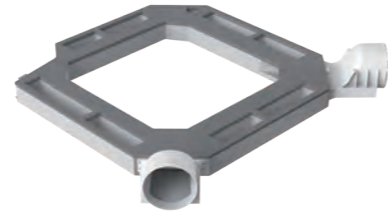


Model		FHGKL-D1.5DA-S	FHGKL-D2.5DA-S	FHGKL-D3.5DA-S	FHGKL-D5DA-S
Air flow volume	m ³ /h	150	250	350	500
ESP	Pa	50	100	120	150
Power supply	V/Ph/Hz	220-240/1/ 50/60	220-240/1/ 50/60	220-240/1/ 50/60	220-240/1/ 50/60
Power input	kW	0.045	0.09	0.13	0.2
Sound pressure level	dB(A)	27	30	33	40
Dimension (W × D × H)	Outline	mm 740 × 429 × 220	906 × 565 × 220	906 × 565 × 220	926 × 565 × 240
	Package	mm 818 × 543 × 335	974 × 650 × 305	974 × 650 × 305	999 × 650 × 330
Net weight/Gross weight	kg	16/21	23.5/27.5	23.5/27.5	26/30
Loading quantity	20'GP/40'GP/40'HQ unit	196/406/406	133/294/336	133/294/336	133/287/328

VRF Accessories

Fresh Air Intake Kit

- It can effectively bring in 8%~10% fresh outdoor air.
- All-foam design, light and durable, used with 360° air discharge cassette type indoor unit, simple and convenient to install; double air inlets, using pressure difference principle, can automatically introduce fresh air without a motor, improving indoor unit air quality.

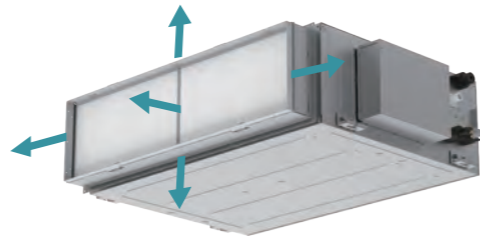


Model		XF150A-T	
Fresh air intake volume		%	
		10	
Dimension (W × D × H)	Outline	mm	
	Package	mm	
		834 × 834 × 60	
		873 × 873 × 180	
Dimension of the connection		mm	
		150	
		Pcs	
		2	
Net weight/Gross weight		kg	
		2.7/7.7	

Note: This unit should be used with 360° air discharge cassette indoor unit.

High-efficiency Filter

- The high-efficiency filter can effectively remove PM2.5. One pass purification efficiency $\geq 90\%$
- Small air resistance and less volume attenuation.
- With 5 disassembly directions for convenient replacement and installation.



Filter model	Applicable for the following high static pressure duct type IDU
FKH01A(H)-T	GMV-ND22 ~ 50PHS/B-T GMV-ND22 ~ 50PHS/D-T
FKH02A(H)-T	GMV-ND56 ~ 80PHS/B-T GMV-ND56 ~ 80PHS/D-T
FKH03A(H)-T	GMV-ND90 ~ 180PHS/B-T GMV-ND90 ~ 180PHS/D-T



Intelligent Control

Controller Function Lineup

Function	Classic wired controller	Large matrix wired controller		Remote controller		Remote signal receiving panel	Linkage controller
	XE7A-23/H	XE70-33/H	XE7C-24/H	YAP1F	YAP1F7	JS13	LE60-24/H1
Dimensions (mm)	112 × 112	112 × 112	112 × 112	/	/	86 × 86	95 × 63
Display	Positive segment LCD	Matrix LCD	Matrix LCD	Positive segment LCD	Positive segment LCD	LED	LED
Backlight	√	√	√	×	×	/	/
One controller for multiple units / group control (One controller controls 16 IDUs at most)	√	√	√	×	×	√	√
One unit with not only one controller / subsidiary controller (one IDU can be controlled by two wired controllers)	√	√	√	×	×	√ (It can operate with the master wired controller as an slave device)	√ (It can operate with the master wired controller as an slave device)
Mode	√ (auto, cooling, drying, fan only, heating, floor heating, 3D heating, space heating)	√ (auto, cooling, drying, fan only, heating, floor heating, 3D heating, space heating)	√ (auto, cooling, drying, fan only, heating, floor heating, 3D heating, space heating)	√ (auto, cooling, drying, fan only, heating)	√ (auto, cooling, drying, fan only, heating)	×	×
Fan speed	√ (7 speeds: auto, low, medium-low, medium, medium-high, high, turbo)	√ (7 speeds: auto, low, medium-low, medium, medium-high, high, turbo)	√ (7 speeds: auto, low, medium-low, medium, medium-high, high, turbo)	√ (7 speeds: auto, low, medium-low, medium, medium-high, high, turbo)	√ (7 speeds: auto, low, medium-low, medium, medium-high, high, turbo)	×	×
Clock display and setting	√	√	√	√	√	×	×
Countdown timer	√	√	√	×	×	×	×
Clock timer	√	√	√	√	√	×	×
Weekly timer	×	√	√	×	×	×	×
Child lock (buttons lock)	√	√	√	√	√	×	×
Up&Down swing	√	√	√	√	√	×	×
Left&Right swing	√	√	√	√	√	×	×
Sleep	√	√	√	√	√	×	×
Filter cleaning indication	√	√	√	×	×	×	×
Save	√	√	√	×	×	×	×
X-Fan	√	√	√	√	√	×	×
Quiet	√	√	√	×	√	×	×
Absence (8°C heating)	√	√	√	√	√	×	×
Low-temperature drying	√	√	√	×	×	×	×
Access detection	×	×	×	×	×	×	√
Unit parameters query	√	√	√	×	×	×	×
Unit parameters setting	√	√	√	×	×	×	×
Error display	√	√	√	×	×	√	×
Remote signal	√	√	√	×	×	√	×
Power-off recovery (default to be effective for overseas models and ineffective for domestic models)	√	√	√	×	×	√	√
Indoor temperature query	√	√	√	×	×	×	×
I-Feel	×	×	×	√	√	×	×
Set back	√	×	√	×	×	×	×
Independent swing for cassette units	×	√	√	×	×	×	×
Temperature control with a precision of 0.5°C	√	×	√	×	×	×	×

Note: √ means available; × means not available; / means not applicable

Function	Centralized controller CE52-24/F(C)	E-Smart zone controller CE54-24/F(C)	Centralized controller CE58-00/EF(CM)
Maximum number of controllable indoor units	255	32	255
Maximum number of controllable systems	16	16	16
Screen size	7 inch	4.3 inch	7 inch
Screen resolution	1280 × 800	480 × 272	1280 × 800
Touch mode	Capacitor touch	Capacitor touch	Capacitor touch
Power supply	100-240V AC	100-240V AC	100-240V AC
Dimensions (WxHxD) (mm)	185 × 128 × 11	128 × 86 × 11	177.5 × 110 × 59
On/Off setting	√	√	√
Mode setting	√	√	√
Temperature setting	√	√	√
Fan speed setting	7 fan speeds	7 fan speeds	7 fan speeds
Swing setting	√	√	√
Shield setting	√	√	√
Ambient temperature display	√	√	√
°C/°F display	√	√	√
DST	√	×	×
Clock display	√	√	√
Authority management	√	√	√
Group management	√	√	√
Schedule management	√	√	√
Special schedule	√	×	√
Emergency stop	√	×	√
Parameter query	√	√	√
Engineering setting	√	√	√
Error records	√	√	√
IDU sort	√	×	√
Name and icon setting	√	√	√
Run time	√	×	√
Data export	Support TF card export	×	×
Language	<ul style="list-style-type: none"> English Simplified Chinese Traditional Chinese Spanish French Portuguese 	<ul style="list-style-type: none"> German Turkish Russian Italian Dutch 	<ul style="list-style-type: none"> English Simplified Chinese Traditional Chinese Spanish French Portuguese
Applicable units	Air conditioner Water heating units Floor heating units Fresh air units	Air conditioner	Air conditioner Water heating units Floor heating units Fresh air units

Note: √ means available; × means not available; / means not applicable

Controllers

Controller YAP1F

- Can be switched in auto, cooling, dry, fan and heating modes;
- Besides turbo mode, 6 fan speeds can be set;
- Up & down swing and left & right swing;
- Available functions: child lock, drying, health, turbo, sleep, light, absence, I-feel and timer;
- Clock display and indoor/outdoor ambient temperature viewing functions;
- I-feel function can be set for the unit. When I-feel is turned on, the unit can monitor the temperature at the location of user (around the remote controller) at real time to adjust indoor temperature for improving the comfort.



Remote controller YAP1F7

- Switch among auto, cooling, dry, fan and heating modes;
- Except turbo fan, six fan speeds can be adjusted;
- Set up&down swing and left&right swing;
- With child lock, X-fan, health, turbo, sleep, light, absence, I-FEEL, clock timer and auto clean functions;
- With clock time display and indoor/outdoor ambient temperature check functions ;
- Set temperature is adjustable under auto mode (set temperature under auto mode of multi VRF unit is fixed and can't be adjusted by the remote controller)



Note: Auto clean function is available for some models.

Wired Controller XE7A-23/H

- Large screen, moisture-proof flat base structure, simple design for flexible installation;
- With LCD backlight display and touch buttons;
- Clock can be displayed and set, with 24h timer ON/OFF function (countdown and clock timer);
- 7 fan speeds, up & down swing and left & right swing;
- Working modes include auto, cooling dry, fan, heating, floor heating, 3D heating and space heating;
- Functions include sleep, quiet/auto quiet, energy-saving, x-fan, low-temperature dehumidifying absence in heating, filter cleaning reminder, auto cleaning, etc;
- Engineering parameters can be viewed and set;
- Hidden infrared remote control receiving device works with the infrared remote controller;
- Set temperature precision down to 0.5°C;
- Up to 2 wired controllers for 16 units, which is more flexible for use; a maximum of 16 indoor units can be controlled simultaneously via one master controller and one slave controller.



Wired Controller XE7C-24/H

- Large-size simple style, moisture-proof structure design, with elegant style and flexible installation;
- With backlit black and white dot matrix LCD and touch button control;
- Set temperature can be adjusted by 0.5°C for more accurate control;
- Multiple weekly timers can be set simultaneously, and the mode, temperature and fan speed can be preset under weekly timer;
- 7 kinds of fan speed, up&down swing and left&right swing can be set;
- Auto, cooling, drying, fan, heating and other operation modes can be switched;
- Sleep, quiet/auto quiet, save, X-fan, low-temperature drying, filter cleaning reminder and other functions can be set;
- Hidden infrared remote control receiving design, which can be used with infrared remote control;
- Two wire controllers can control one or more indoor units at the same time; up to 16 indoor units can be controlled simultaneously;
- Unit parameter inquiry and setting function is available.



Wired Controller XE70-33/H

- Elegant and concise appearance;
- Touch buttons with back lighting LCD;
- Detect ambient temperature precisely;
- Chinese and English display can be switched;
- With project parameters viewing and setting functions;
- 7 fan speeds, up & down swing and left & right swing;
- Applicable to multi VRF air conditioner and fresh air unit with evaporator;
- With service hotline inquiry and after-sales phone number record functions;
- With weekly timer function, multiple weekly timer can be set; under weekly timer function, mode, temperature and fan speed can be preset;
- Master and slave wired controllers can be set; simultaneous control over several IDUs is available; can simultaneously control 16 sets of IDUs at most;
- Sleep, quiet/auto quiet, light, energy saving, drying, memory, low-temperature dehumidifying, absence in heating, and filter cleaning reminder functions can be set.



Controllers

Commissioning Tool DE43-00/EF(CM) (Debugger)

- 5" capacitive color touch screen;
- With smooth and convenient interactive interface design, sliding operation is supported;
- With CAN, HBS and RS485 communication interfaces, multi VRF, U-Match VI and Ultra Heat Universal Unitary Split System, etc. are supported;
- Parameter inquiry, parameter setting, unit control, unit engineering debugging, barcode information inquiry (CAN communication unit), real-time and historical error inquiry and other functions are equipped;
- CAN communication unit is with IDU and ODU program upgrade, compressor driver program upgrade, AI module program upgrade, IDU and ODU simulation, project number and other related functions;
- Storage function of unit communication data files is equipped.



Centralized Controller CE52-24/F(C)

- Elegant and fashionable appearance;
- Color LCD, fine display and true color;
- 7-inch capacitive touch screen for easy operation;
- Up to 255 units can be centrally controlled;
- Connectable with network of indoor units or outdoor units;
- Independent power supply in 100~240V wide voltage range;
- Embedded installation in wall with projecting thickness only of 11mm;
- With project setting, parameter viewing, malfunction record and access management functions;
- Shielding function of single unit, group and all IDUs (shielding on/off, mode, temp setting, etc.), long-distance control at will; Provide naming of indoor units, selection of icons and personalized settings of centralized controller (setting background, backlight, etc.);
- With various functions: centralized control (control all indoor units), group management (support DIY grouping), schedule management (setting of several schedules, support special schedule setting such as holiday) and single indoor unit control (on/off, mode, temp setting, fan speed, quiet, swing control, etc.).



Centralized Controller CE58-00/EF(CM)

- Black 2.5D panel, space gray arc frame, high-end and elegant;
- 7" capacitive color touch screen;
- With smooth and convenient interactive interface design, sliding operation is supported;
- With high-definition screensaver display, automatic cyclic display of screensaver pictures is supported;
- Light sensing automatic brightness adjustment, and temperature and humidity detection display are equipped;
- Timer control, intelligent control, grouping, calendar control, one-button control, batch control, single unit control and other control modes are available;
- Single unit, group units and all IDUs shielding function (shielding on/off, mode, temperature setting, etc.) are equipped;
- IDU naming and personalized settings (big and small card setting, brightness setting, sound selection, etc.) are supported, to achieve personalized air conditioning management;
- Simultaneous control of 255 multi VRF indoor units and 80 unitary units are supported;
- 2.4GHz WiFi can be connected, and online upgrade and "Gree+" APP linkage control are supported;
- 100~240V ultra-wide voltage independent power supply, stable and reliable;
- OTA online upgrade is supported, to quickly get the latest version and get the ultimate experience;
- With setting, historical error inquiry, error report and permission management functions, for convenient debugging and maintenance;
- 17 languages are supported (Simplified Chinese, Traditional Chinese, English, Spanish, Dutch, French, German, Italian, Portuguese, Russian, Czech, Turkish, Lithuanian, Polish, Estonian, Greek, Hungarian).



E-Smart Zone Controller CE54-24/F(C)

- Colorful LCD;
- Elegant and fashionable appearance;
- 4.3-inch capacitive touch screen for easy operation;
- Support maximum 32 indoor units, with powerful function;
- Indoor or outdoor unit network can be connected, simple and flexible;
- Embedded installation in wall with projecting thickness only of 11mm;
- 100~240V super wide voltage for independent power supply, stable and reliable;
- Support naming for indoor units, and icon selection, realizing individuation management;
- With long-distance shield function (shield on/off, mode, temperature, etc.) for single unit, group and all indoor units;
- With functions of engineering setting, parameters view, malfunction view and authority management, easy for debugging and maintenance;
- With single indoor unit control (including general functions and advanced functions), group indoor units control (including general functions and advanced functions), group management (supporting DIY group), single indoor unit and group indoor units timer functions; (general functions: ON/OFF, Mode, Temperature, Fan, Swing, etc; advanced functions: Save, Sleep, Absence, Quiet, Turbo, etc.).



Linkage Controller LE60-24/H1

The linkage controller LE60-24/H1 is generally used with wired controllers to control AC units; when needed, it can also be individually connected to control the units. It has the following features:

- Flexibility to be installed in most places indoors, with no impact on indoor decoration;
- Access control detection, with two types of power input: AC 100-240V~50/60Hz or DC 5-24V;
- Dry contact signal detection, with two groups of dry contact signal detection interface, can achieve linkage control with passive signals such as fire alarm and the opening and closing of windows, for turning off the indoor units and restoring the original on/off state;
- Up to 2 controllers for 16 units, which is more flexible for use; a maximum of 16 indoor units can be controlled simultaneously via one master controller and one slave controller.



Remote Signal Receiving Panel JS13

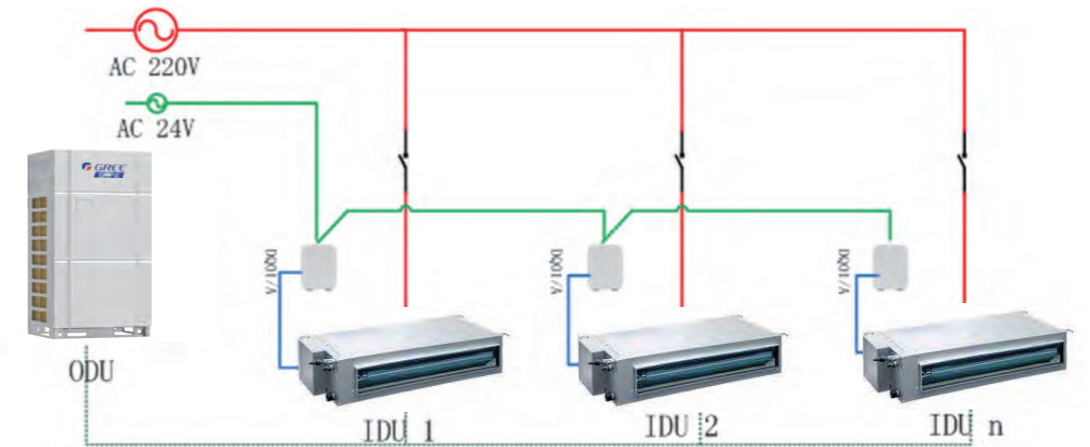
- Receive common remote controller functions;
- Simple appearance and integrated design;
- Precise set temperature control with the precision down to 0.5°C (remote controllers with a temperature control precision of 0.5°C are required);
- Up to 2 controllers for 16 units, which is more flexible for use; a maximum of 16 indoor units can be controlled simultaneously via one master controller and one slave controller;
- Hidden infrared remote control receiving device works with the infrared remote controller.



Adapter DQ01/A



- For multi VRF system, when a certain indoor unit shall be powered off, it will affect the reliable operation of the entire multi VRF system if the load of this indoor unit is not under control. So the intelligent offline adapter DQ01/A for multi VRF unit is developed. The indoor unit equipped with this adapter can still participate in the whole system operation when the power supply is cut off.
- If the power supply of the indoor unit is artificially cut off, the adapter will provide weak current power supply to the mainboard of the indoor unit through the standby power supply (independent 24VAC power supply), so that the mainboard of the indoor unit continues to work, and the communication and electronic expansion valve of the indoor unit can be automatically closed to ensure the normal operation of the multi VRF system; if the power supply of the indoor unit is normal, the adapter does not enable the standby power supply to ensure the normal operation of the indoor unit, as shown in the following diagram:


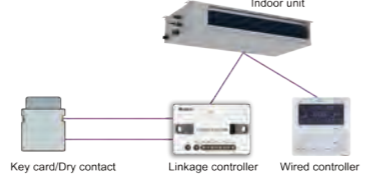


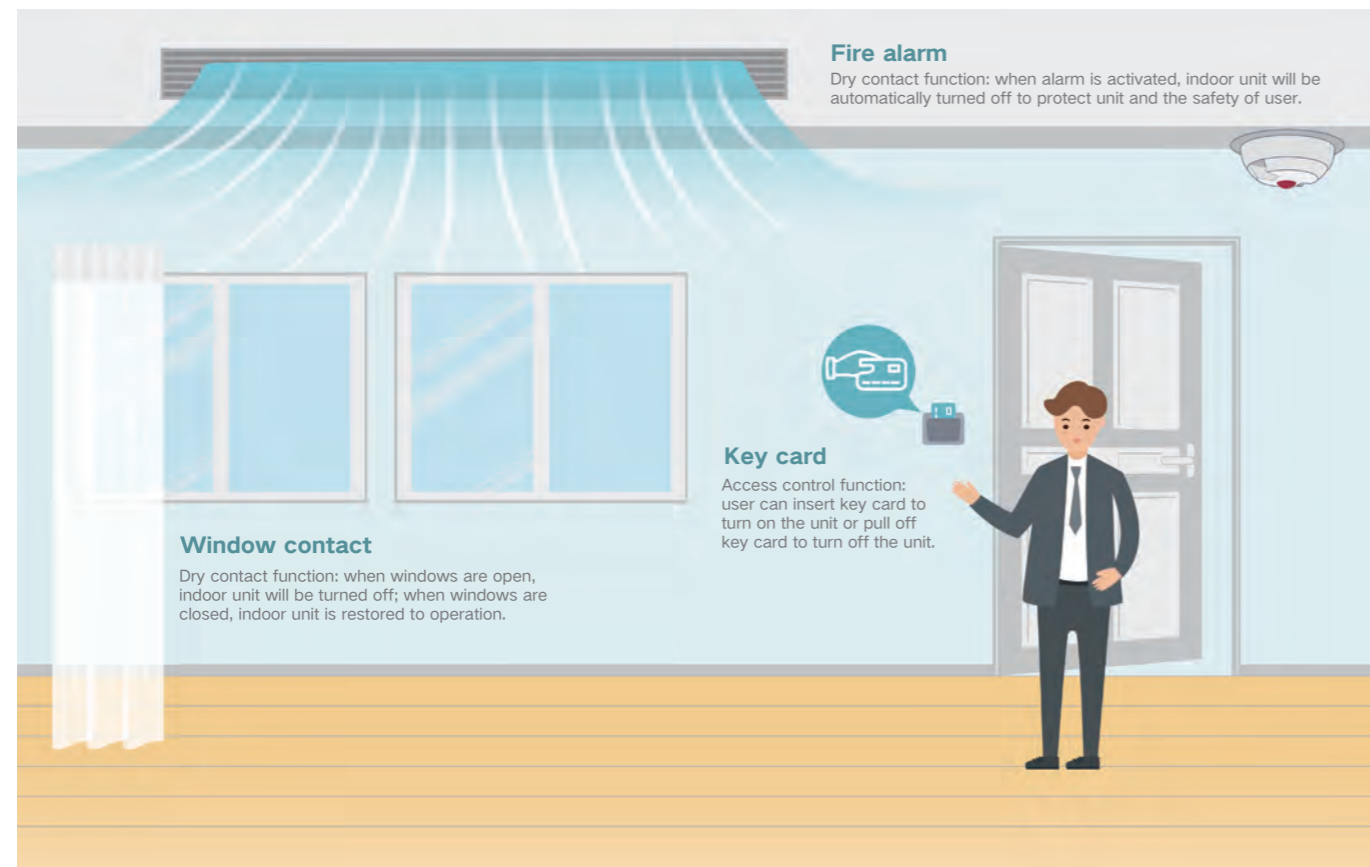
- It is suitable for certain models. Please consult the salesmen for specific orders.

Key Card Interface Modules

Indoor unit connects access control system through linkage controller LE60-24/H1 to realize unit off by removing the access card or unit on by inserting the access card, which is suitable for occasions such as hotels, where the access control linkage is needed to control the air conditioner.

Moreover, linkage controller LE60-24/H1 provides two groups of dry contacts, which can achieve linkage control with passive signals such as fire alarm and the opening and closing of windows, for turning off the indoor units and restoring the original on/off state.

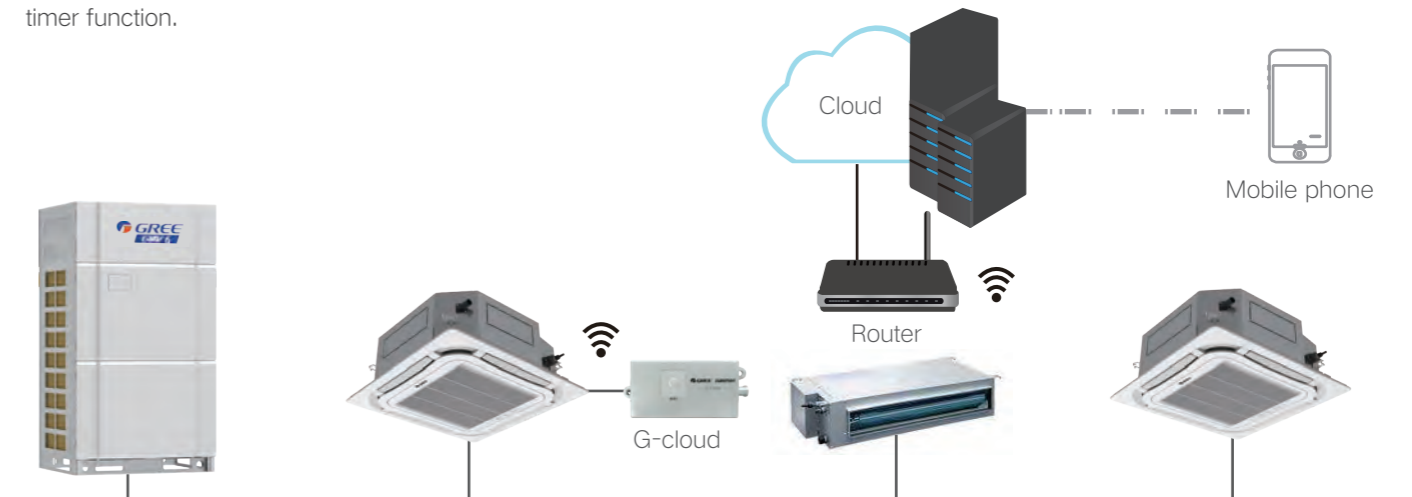
Model	Linkage Controller LE60-24/H1
Appearance	
Wiring diagram	 Note: It's used with different models of wired controller or independently connects indoor unit for operation.
Access control interface	AC100-240V/DC5-24V
Dry contact interface	2 groups
Dimension(H×W×D)(mm)	63×94.5×29
Power supply	18V DC(supply power by indoor unit)
Applicable range	All series of VRF



G-cloud

G-cloud is a compact WiFi controller, which connects G-cloud to the corresponding interface of any one of the multi VRF indoor units. Use mobile phone to download the "Gree+" APP; after simple network configuration, the multi VRF air conditioner can be easily controlled by the mobile phone anytime and anywhere. One set of multi VRF system only requires one G-cloud to realize the control of all indoor units under the system via mobile phone.

- Easy control of on-off, mode and temperature.
- Ventilation, drying, sleep, energy saving functions can be set.
- 10 on/off preset appointments are available, support weekly timer function.
- 8-step fan speed control (quiet, automatic, low, medium and low, medium, medium and high, high, turbo).



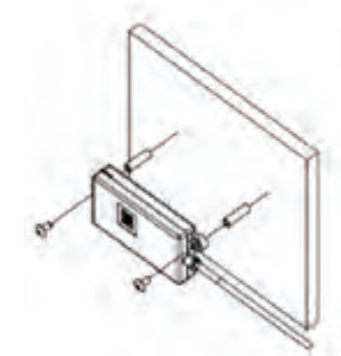
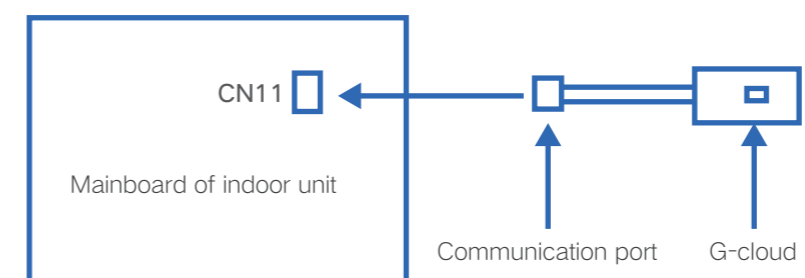
One G-cloud can realize the control of up to 80 sets of indoor units in a system

> "Gree +" APP Control

The "Gree+" APP of mobile phone can easily control the air conditioner anytime and anywhere. It can be controlled in the house or remotely when going out. You are no longer worried about where to find the remote controller or forgetting to turn off the air conditioner when you go out.

> Small Size and Convenient Installation

G-cloud is small in size and flexible in installation. You can connect the G-cloud to the CAN interface of any indoor unit in the multi VRF system (it is recommended to be close to the router) and fix it.



> Product information

Name	Model	Product code
G-Cloud	ME31-00/F13	NC20000280

VRF Selector Ultimate

A model selection system is a necessary tool for the sales of the VRF system in the overseas market. In order to meet the demand of the overseas market for the model selection system, the competitive strength of Gree products in the overseas market has been improved. Gree provides clients with intelligent, fast and multivariate model selection systems.

Intelligent Model Selection

- 1) The system will take multiple aspects into consideration to provide clients with the optimal plan by combining performance, noise, comfort, reliability, cost, etc.
- 2) It can calculate according to user demand, ambient temperature, using location, static pressure, etc. to recommend the suitable IDU, ODU and pipe arrangement. It will check by combining the collocation rate, pipe arrangement, etc. of the whole system, and automatically adjust the unit model to get the optimal model selection plan.
- 3) Using habit and using standard differ in different regions. The intelligent model selection system will conduct a special process according to metric/inch system, unit parameters, different language systems in different regions.
- 4) It will conduct automatic checking for the whole system. If anyone of the conditions cannot satisfy the user demand, the software will automatically calculate to find a suitable unit and pipe arrangement.



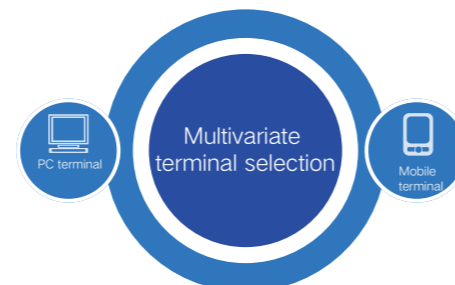
Fast Model Selection

The software can provide users with audio-visual model building experience via a visible modeling method. Through the intelligent fast connection, multiple parts of VRF can be correctly and fast linked, which can greatly improve the modeling efficiency.



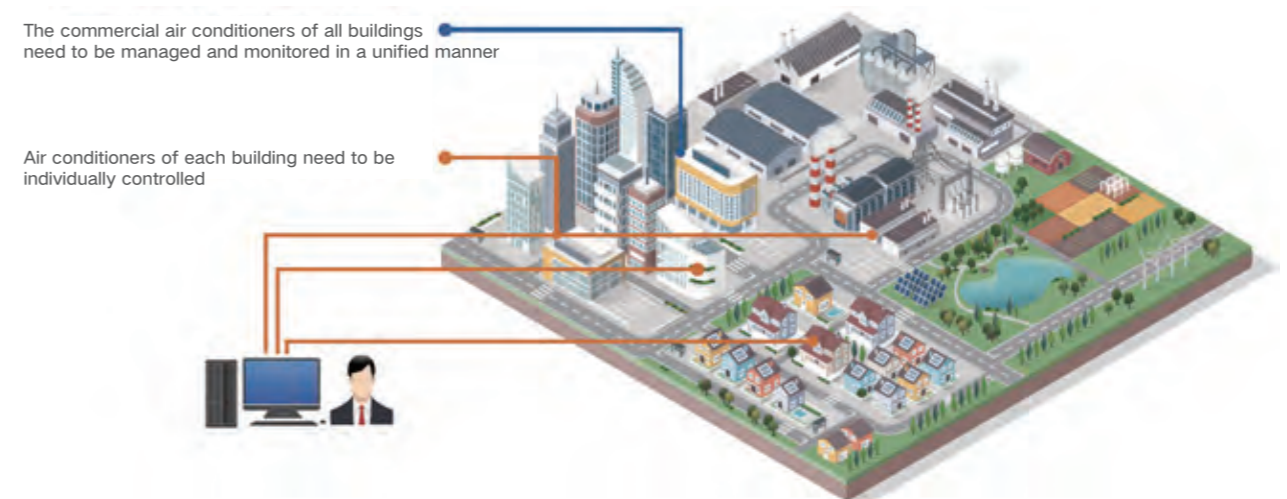
Multivariate Model Selection

The model selection system will launch multiple model selection terminal applications around the core of model selection parameter data according to different user groups. The model selection data can achieve data resource sharing on the basis of a cloud server, which can provide different terminal users with standard and professional model selection service.

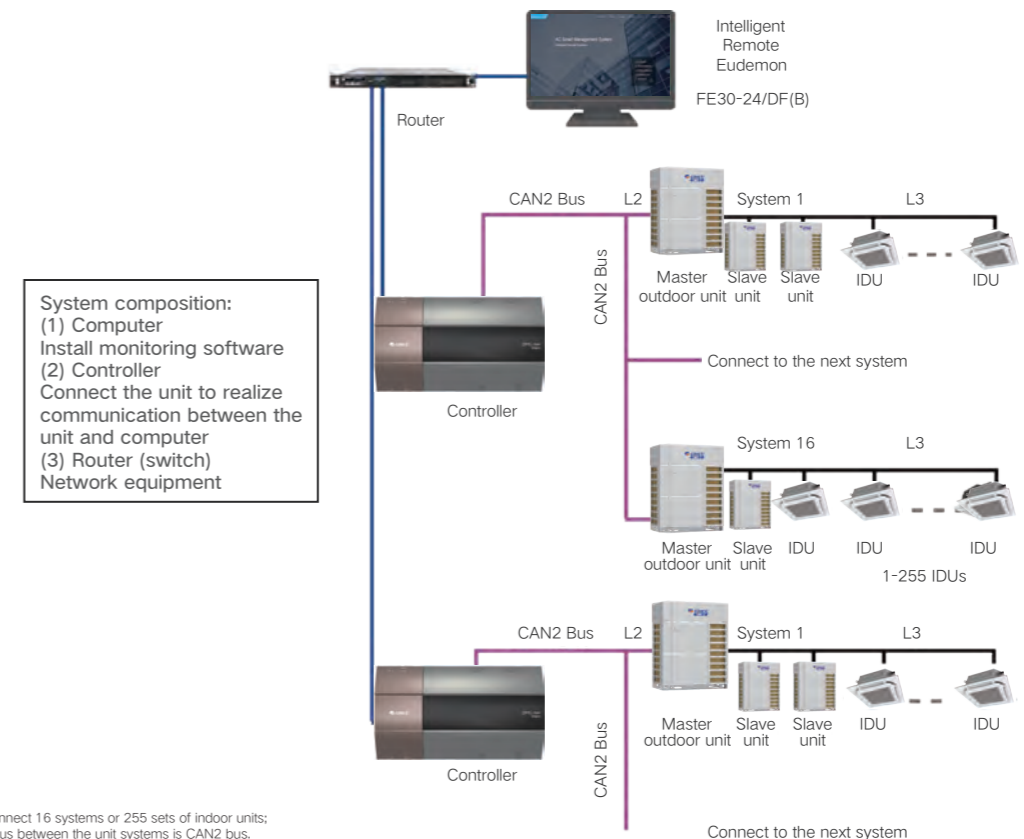


Intelligent Remote Eudemon

Intelligent Remote Eudemon provides intelligent operation and maintenance services based on the cloud platform, meeting the demands of integrated monitoring of equipment in multiple locations.



Intelligent Remote Eudemon adopts world-leading CAN+ multi VRF unit's communication technology and combines with distributed processing methods to ensure that the system has the characteristics of high availability, easy expansion, and easy networking, and can meet the air conditioning monitoring requirements in multiple scenes.



Notes:
 (1) One controller can connect 16 systems or 255 sets of indoor units;
 (2) The communication bus between the unit systems is CAN2 bus.

Intelligent Assistant

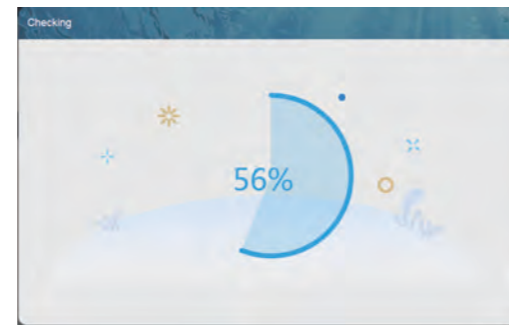
One-stop Debugging

Support automatic one-stop debugging methods such as one-button debugging and code scanning debugging to achieve automatic synchronization matching, reduce debugging difficulty, and improve efficiency and accuracy.



Intelligent Physical Examination

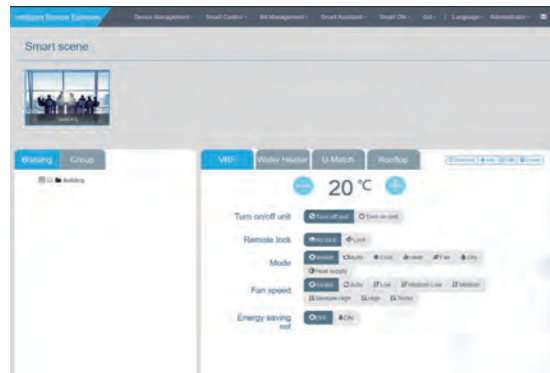
The equipment status can be understood directly and the user can control the health of the unit by themselves.



Intelligent Control

Smart Scenes

The user can preset a set of parameters according to the needs of life and work (similar to the scene mode of a mobile phone), and then the user can enable and switch with one key, without setting parameters one by one.



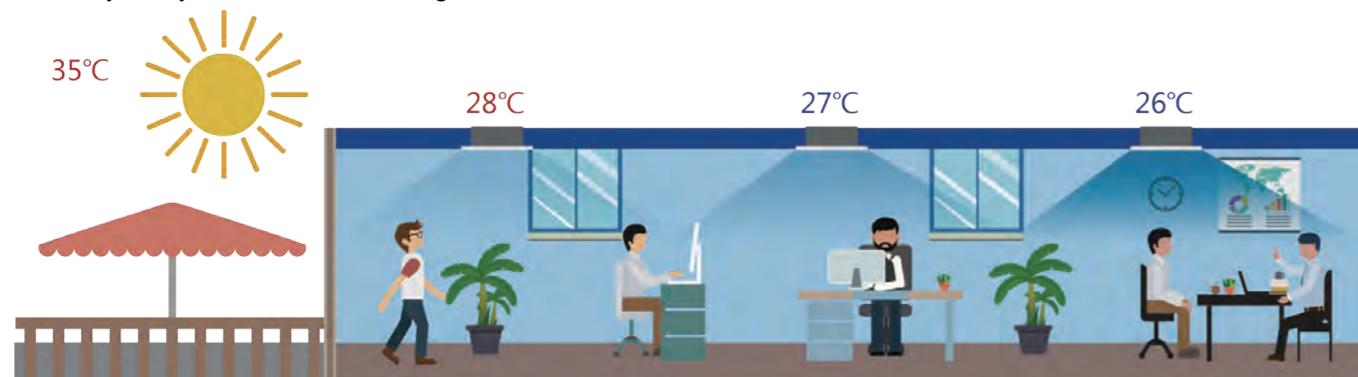
Soft Start

Delay start of equipment in batches to avoid the impact to the grid in centralized control.



Temperature Field

Realize stepped temperature field, gradually adjust the temperature area, prevent sudden cooling or heating, and stay away from air conditioning sickness.



Smart Operation and Maintenance

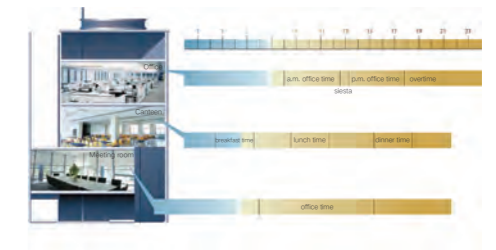
VIP Exclusive Service

Independent VIP group professional customized service to avoid misoperation and provide a more comfortable environment for the VIP.



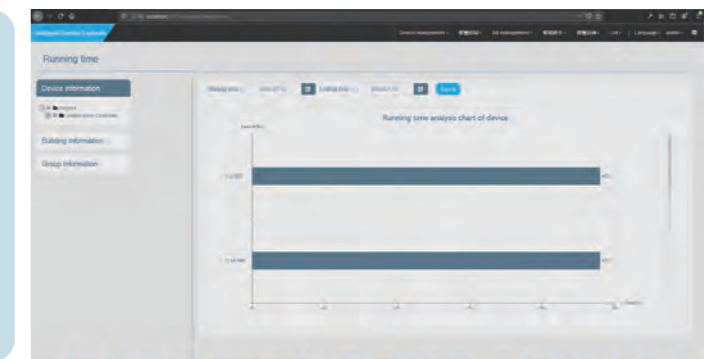
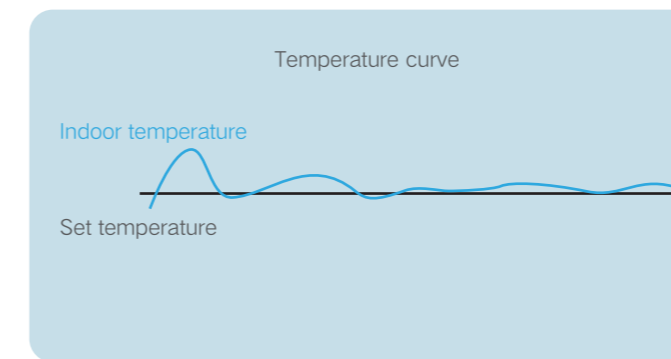
Schedule Management

Set schedules for different regions and different equipment, execute preset commands automatically, and reduce waste of time caused by repeated operations.



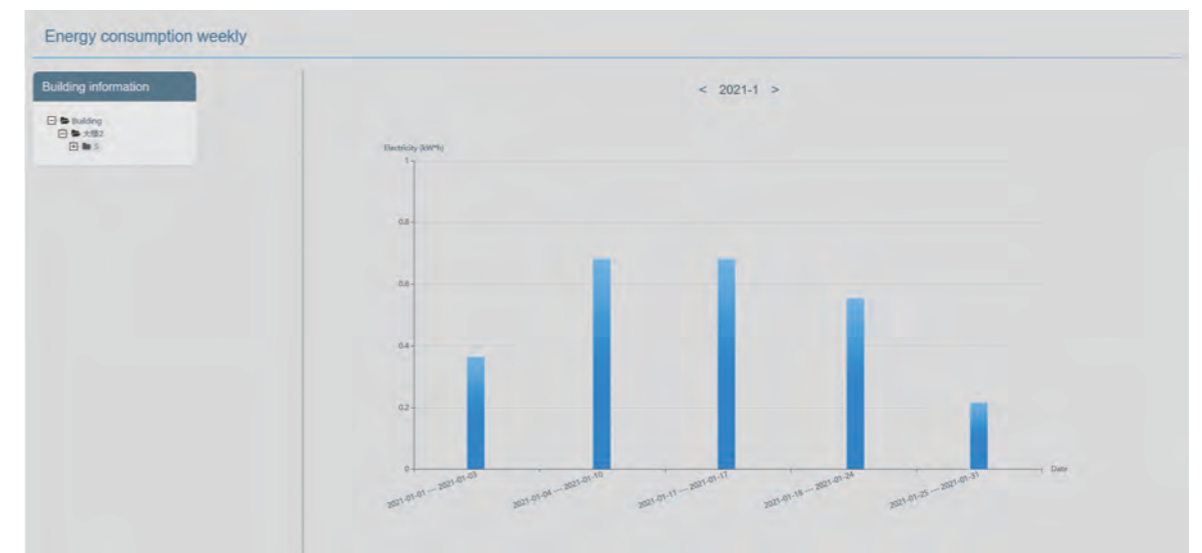
Green Assistant

Perform statistical analysis on the operating time, set temperature, and indoor temperature, and acquire the actual running status of the equipment in time.



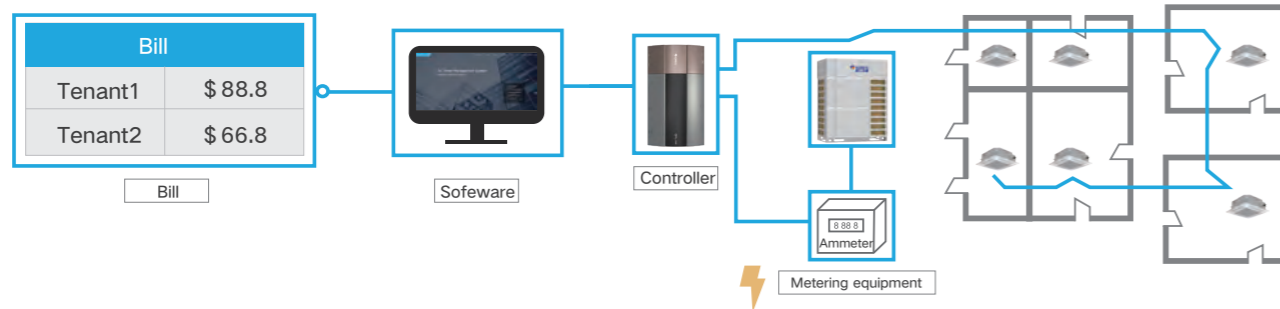
Weekly Energy Consumption Report

Electricity statistics are carried out on a weekly and monthly basis. The background color is used to reflect the electricity consumption, and the user can accurately control the power consumption of the unit.



Intelligent Billing

Intelligent Billing is a solution to power consumption calculation and billing specialized for VRF units. This system adopts Gree's unique calculation method that makes the billing more reasonable. In design, it's tailored to the features of engineering construction, making the installation less difficult. It can be widely applied in shopping centers, apartment blocks, villa clusters or other commercial or residential occasions in different sizes and for different purposes.



Billing Management

Properly distribute the electricity automatically according to ON/OFF time, mode, set temperature, indoor ambient temperature, outdoor ambient temperature etc.; provide detailed bill, operational details, etc.

Flexible Bill Export

Provide a variety of bill export modes to achieve free choices and convenient management of bill cycle, distribution mode and bill type.

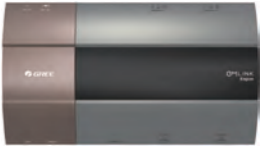


Bill for Air Conditioner				
Room	601			
Time	2016/08/01-2016/08/31			
No.	Equipment	Operation/KWH	Standby/KWH	Subtotal
1	IDU 1	12.5	0.55	13.05
2	IDU 2	11.6	0.21	11.81
3	IDU 3	13.2	0.36	13.56
Total				38.42

Compatible to Different Electric Meters

No.	Manufacturer	Electric Meter Model	Country of Origin	Satisfactory Regions (Reference)
1	ENTES	EPR-04S-96	Turkey	Turkey, Middle East
2	WattNode	WNC-3D-240-MB	America	North America, Latin America
3	Siemens	PAC3200	Germany	Russia, Europe, Asia Pacific
4	Schneider	iEM3255	France	Australia, Europe
5	Wasion	DTS343	China	China

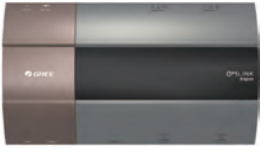
Building Protocol Gateway

Modbus Gateway

Name	Model	Key Parameters	Application	Photo
VRF Protocol Gateway	ME30-24/D1 (BM)	Capacity: 255 sets of indoor unit (within 16 systems) Protocol: Modbus RTU, Modbus TCP	It is generally used in large buildings such as office buildings, commercial streets, hospitals, and rail transits to connect to BAS to achieve centralized management of air conditioner.	
Modbus Gateway (Mini)	ME30-24/E6 (M)	Capacity: 128 sets of indoor units (within 16 systems) Expansion port: No Protocol: Modbus RTU	It is generally used for small and medium-sized projects such as villas and apartment buildings. It is used for docking with BAS systems or smart home systems. Since there is no I/O interface, the capacity is small, and it is a low-cost solution.	
H2M Gateway	ME31-33/EH1 (M)	Capacity: 1-16 sets of indoor units Expansion port: No Protocol: Modbus RTU	Generally, it is an intelligent solution for hotel and household environment. The indoor unit directly connects to the controller of the hotel room RCU or the residential smart home system.	

BACnet Gateway

BACnet features high communication efficiency, flexible protocol and convenient debugging. Gree BACnet gateway can realize the conversion of multi VRF unit's CAN protocol data into BACnet protocol data, as a bridge for data exchange between air conditioner and BAS.

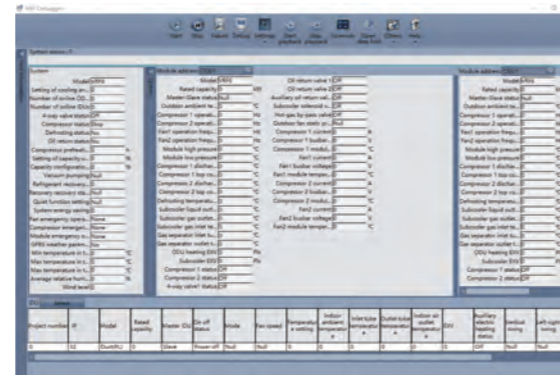
Name	Model	Key Parameters	Application	Photo
VRF Protocol Gateway	ME30-24/D1 (BM)	Capacity: 255 sets of indoor unit Protocol: BACnet	Mainly used in the docking of medium and large building automatic control projects.	

Intelligent Debugging Software

GMV6 offers intelligent debugging software to end users for faster construction needs.

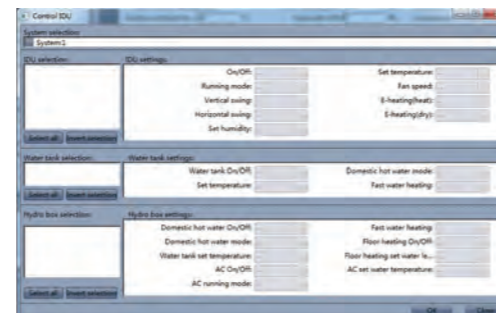
Monitoring Functions

- Fully control the operation status of each device of the system;
- Hover the mouse over the parameter to display its remarks;
- The online devices will be displayed in a tree structure;
- Display the information of air conditioner in divided regions;
- Each display region can be moved or concealed;
- Display updated status of units in real time.



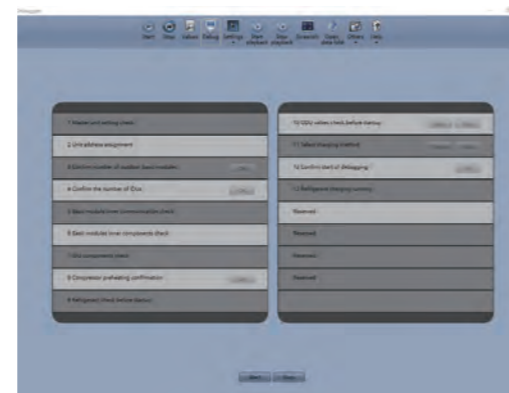
Control Functions

- Control the operation of unit as you like;
- Comprehensive control of outdoor unit, indoor unit, water tank, hydro box, etc.;
- Real-time display of current status or status after being controlled;
- Both single control and group control are available.



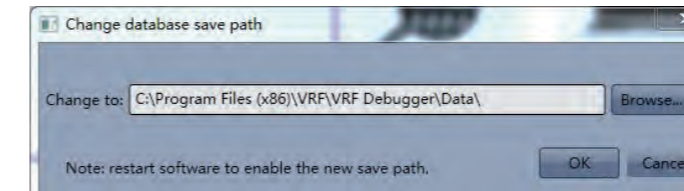
Project Debugging Functions

- One-click and automatic project debugging;
- Project debugging is arranged step by step from left to right;
- Manual intervention and skipping of some debugging phases are available.
- Green icons will be displayed for the items finishing debugging; red icons will be displayed for the items having debugging errors; light yellow icons display debugging information.

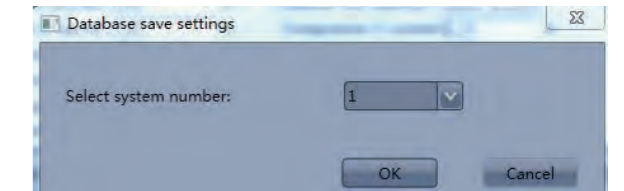


Auto Data-Saving Function

- Data will be saved automatically. Database saving path can be changed or data document can be generated repeatedly.



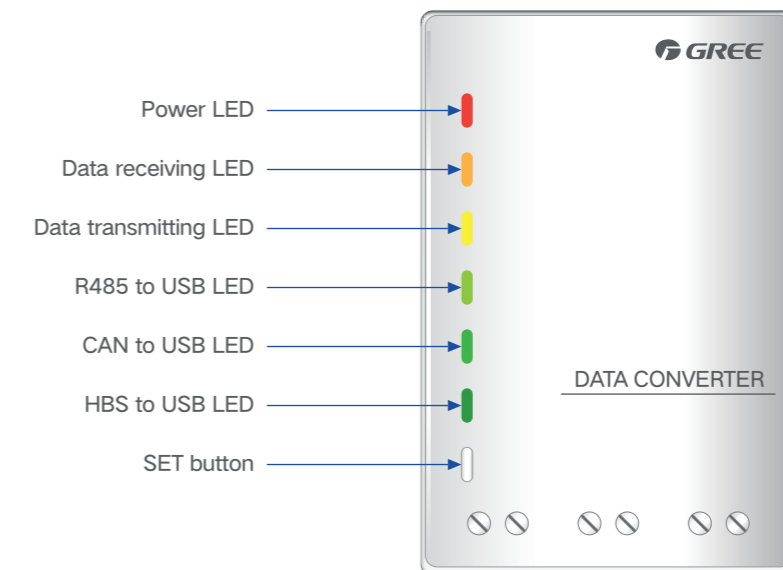
Step 1: Change Database Saving Path



Step 2: Database Save Setting

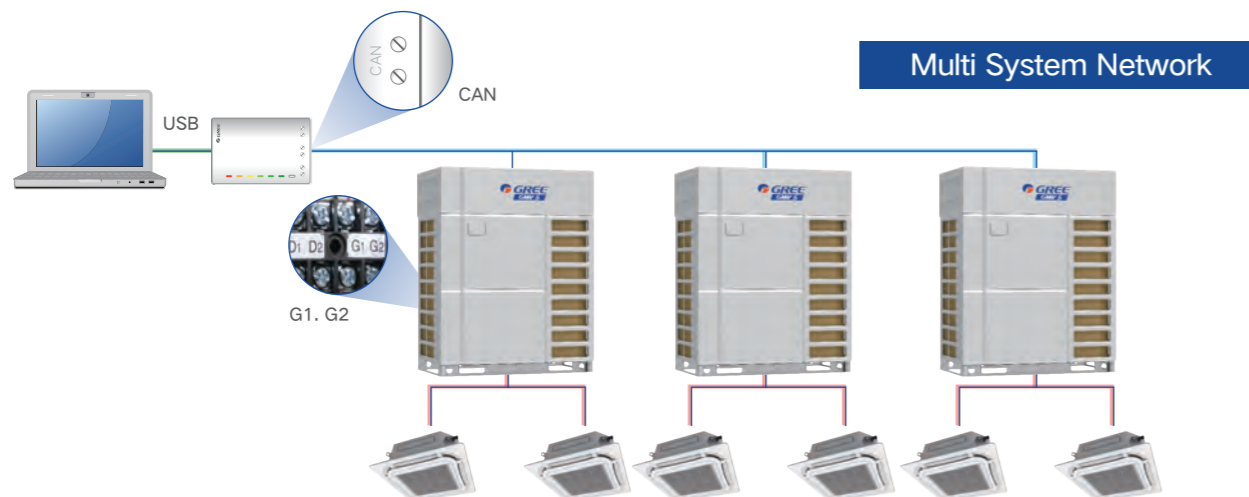
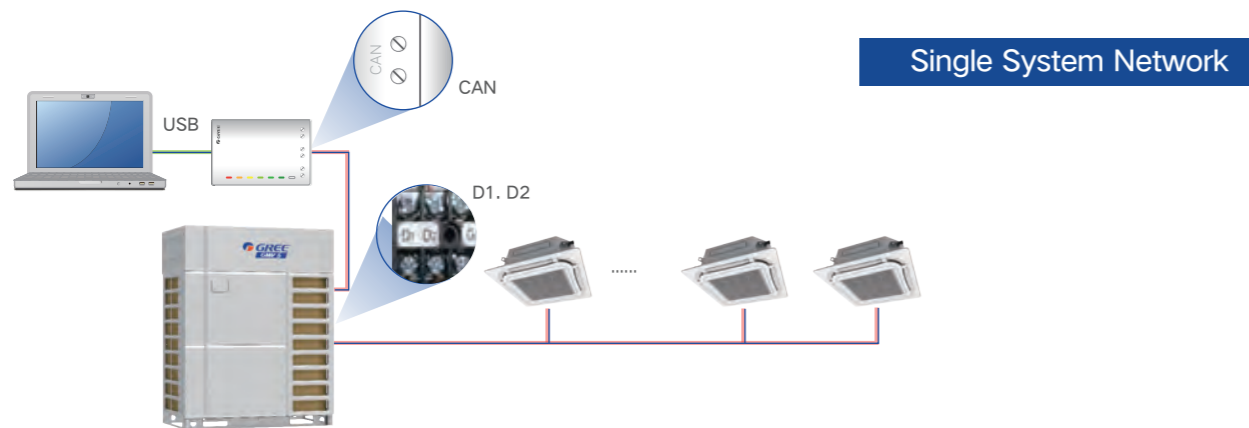
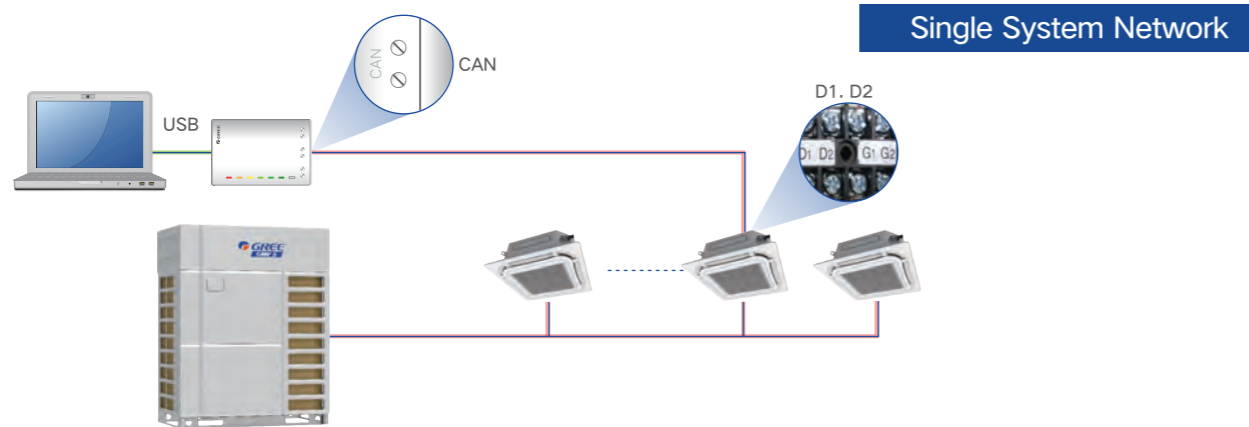
USB Data Converter

- Users can use USB data converter to freely convert CAN/HBS/RS485 data into USB data, achieving data interchange between computer and air conditioner.



Auto Direction of Connection Way

- The wiring diagram will direct connection way automatically, so that the user can get the connection way quickly.



Outdoor Unit Protective Kit Against Snowstorm and Hail

In order to improve the adaptability of the unit in different environments, and ensure normal operation under harsh weather conditions like high winds, snowstorm and hail, the unit can be equipped with the following protective kit, including the air guide assembly at the top and the condenser protective assembly. Models for selection are:



CF898

CF899

Model	CF898	CF899
Number of parts	4	5
Applicable model	GMV-224~335WM/** GMV-VQ224~335WM/**	GMV-400~680WM/** GMV-VQ400~615WM/**

Note: The protective kit will affect the unit's performance to some extent depending on the environment. The actual performance of the unit after installation may vary.

Branching Joint (For GMV6 and GMV X units)

For Indoor & Outdoor Units			
Model	Total capacity X(kW)	Appearance	
		Gas pipe	Liquid pipe
FQ01A/A	$X < 20$		
FQ01B/A	$20 \leq X \leq 30$		
FQ02/A	$30 < X \leq 70$		
FQ03/A	$70 < X \leq 136$		
FQ04/A	$136 < X \leq 272$		
FQ05/A	$X > 272$		

For Outdoor Units		
Model	Appearance	
	Gas pipe	Liquid pipe
ML01/A		
ML02/A		

Branching Joint (For GMV6 HR units)

For Indoor Units

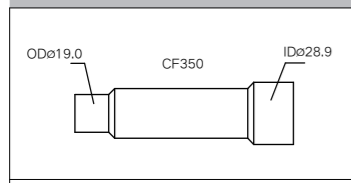
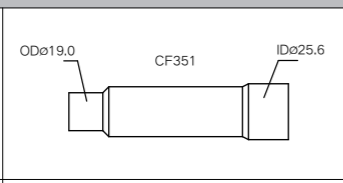
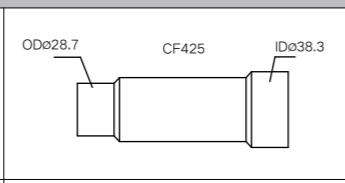
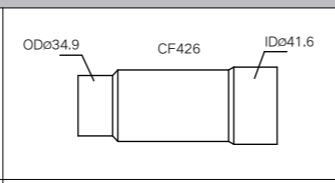
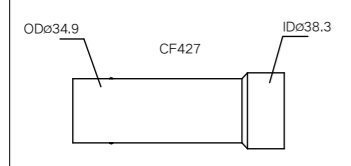
Model	Sort	blueprint
FQ14/H1	Gas pipe	
	Liquid pipe	
FQ18/H1	Gas pipe	
	Liquid pipe	
FQ18/H2	Gas pipe	
	Liquid pipe	

Total rated capacity of downstream indoor units X(kW)	Gas pipe(mm)	Liquid pipe(mm)	Model of manifold pipe
$X \leq 40.0$	$\leq \Phi 25.4$	$\leq \Phi 12.7$	FQ14/H1
$X \leq 68.0$	$\leq \Phi 28.6$	$\leq \Phi 15.9$	FQ18/H1
$68.0 < X$	$\geq \Phi 31.8$	$\geq \Phi 19.05$	FQ18/H2

For Outdoor Units and Mode Exchanger

Model	Total capacity of the downstream indoor units X(kW)	Appearance		
		High-pressure gas pipe	Low-pressure gas pipe	Liquid pipe
FQ01Na/A	$X \leq 5.0$			
FQ02Na/A	$5.0 < X \leq 22.4$			
FQ03Na/A	$22.4 < X \leq 28.0$			
FQ04Na/A	$28.0 < X \leq 68$			
FQ05Na/A	$68 < X \leq 96$			
FQ06Na/A	$96 < X \leq 135$			
FQ07Na/A	$135.0 < X$			

Reducer/expander pipe dimensions

 <p>Diagram of pipe CF350 showing dimensions ODø19.0 and IDø28.9.</p>	 <p>Diagram of pipe CF351 showing dimensions ODø19.0 and IDø25.6.</p>	 <p>Diagram of pipe CF425 showing dimensions ODø28.7 and IDø38.3.</p>	 <p>Diagram of pipe CF426 showing dimensions ODø34.9 and IDø41.6.</p>
 <p>Diagram of pipe CF427 showing dimensions ODø34.9 and IDø38.3.</p>			

Note: OD side connects the branch pipe; ID side connects the engineering pipe.

Project References



▲ Park Inn

📍 Dammam, Saudi Arabia



▲ La Quinta Inn

📍 Chicago, United States



▲ Sunwah Pearl

📍 Ho Chi Minh City, Vietnam



▲ Minsk Shanter Hill

📍 Minsk, Belarus



▲ Hotel Palace Bellevue

📍 Zagreb, Croatia



▲ Tzu Chi Hospital

📍 Jakarta, Indonesia