



LT INVERTER CDU



R410A LT DC Inverter

Condensing Units



2.5~5HP



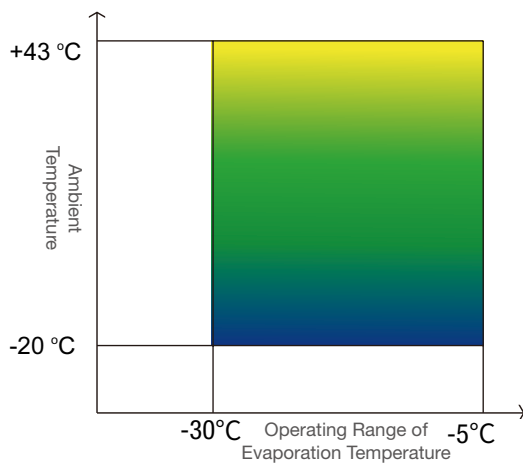
7-10HP

Product Features

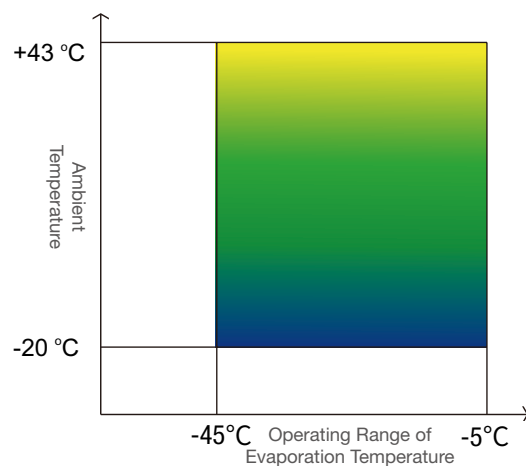
- Integral application of freezing and refrigeration, convenient for store renovation and maintenance
- Adapt DC inverter compressor, achieve wide capacity adjustable range, high energy efficiency and low operation cost
- Adapt inverter fan, achieve low operation cost
- Compact structure, small footprint
- Interior frame with sound insulation surface, low noise
- Use R410A refrigerant , low cost of pipe installation

Operating Range and Naming Rule

2.5HP~5HP

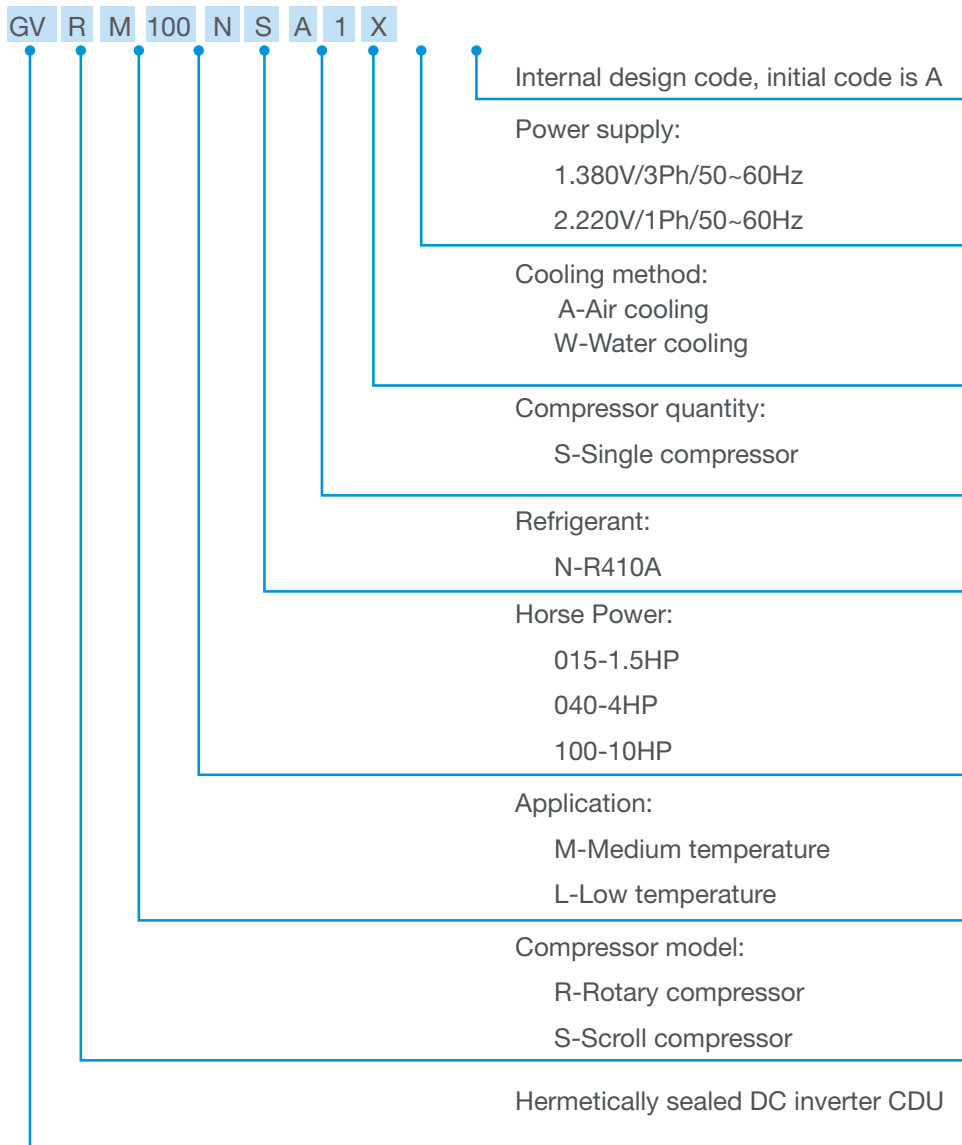


7HP~10HP



Model	Refrigerant	Minimum Evaporating Temperature	Nominal Condition Cooling Capacity @60rps(kW)*	COP	Maximum Cooling Capacity
2.5HP	R410A	-30	2.6	1.3	5.1
3.5HP			3.1	1.3	6.6
5HP			4.2	1.3	7.6
7HP		-45	6.9	1.4	11.1
10HP			10.2	1.5	16.8

* The working condition is based on the ambient temperature of 32 °C and the evaporation temperature of - 30 °C .



Performance Parameters

Model	GVRL025NSA2A	GVRL035NSA2A	GVRL050NSA2A	GVSL070NSA1A	GVSL100NSA1A
Horse Power	2.5HP	3.5HP	5.0HP	7.0HP	10HP
Refrigerant	R410A				
Power supply	220V/1PH/50~60Hz			380V/3PH/50~60Hz	
Compressor	WHP09500AEDPC9FD	WHP11500AEDPC9FD	WHP15600AEDPC9FD	ENK62FC-YE-C	HNK92FE-YE-C
Oil	a68HES-H			MEL32R	
Compressor Oil charge litre(L)	1.65			2.3	3
Frequency (rps)	30~100		30~90	30~85	30~100
Minimum saturated temp(°C)	-30			-45	
Fan quantity	1			2	
Fan diameter(mm)	500				
Fan speed(RPM)	300~850				
Max air volum(m3/h)	4030			7060	
Liquid Receiver(L)	4.5			8.8	
Maximum Capacity(kW)	5.1	6.6	7.6	11.1	16.8
Cooling capacity(kW)	3.4	4.1	5.4	8.9	13
Input power(kW)	2.1	2.5	3.5	5	7.5
Noise level dBA@1m	54	54	54	57	60
Starting current(A)	--				
Rating current (A)	10	12	16	10	13
Maximum current (A)	25	30	33	25	30
Suction diameter(Inch)	1/2	5/8		3/4	1-1/8
Liquid supply diameter(Inch)	3/8			1/2	
Size (length × width × height)(mm)	1164*470*817			1164*470*1373	
Weight(kg)	112	112	112	172	186
Capacity and power test condition: LT condition per China National Standard GB/T21363-2018					
Evaporating temperature: -23°C Ambient temperature: 32°C Return gas temperature: 18°C					

* If there is any demand, please contact the technical personnel or the sales department for detailed parameters.

Model	OAT	SST	Min Frequency for selection(50 rps)			max capacity for selection		
			Power(W)	Capacity(W)	COP	Power(W)	Capacity(W)	COP
GVRL025NSA2A	27	-5	1674	5326	3.18	3573	9912	2.77
		-7	1666	4988	2.99	3520	9308	2.64
		-10	1655	4512	2.73	3441	8449	2.46
		-15	1636	3792	2.32	3314	7141	2.15
		-20	1619	3159	1.95	3190	5982	1.88
		-23	1604	2821	1.76	3116	5354	1.72
		-25	1593	2613	1.64	3067	4963	1.62
	32	-30	1557	2146	1.38	2952	4075	1.38
		-5	1869	5108	2.73	3934	9458	2.40
		-7	1857	4786	2.58	3872	8888	2.30
		-10	1839	4332	2.36	3781	8074	2.14
		-15	1812	3642	2.01	3632	6832	1.88
		-20	1785	3036	1.70	3486	5729	1.64
		-23	1765	2712	1.54	3401	5130	1.51
	38	-25	1749	2512	1.44	3344	4757	1.42
		-30	1703	2064	1.21	3211	3906	1.22
		-5	2114	4835	2.29	3993	8386	2.10
		-7	2097	4533	2.16	3995	7966	1.99
		-10	2073	4105	1.98	4023	7391	1.84
		-15	2036	3453	1.70	4030	6451	1.60
		-20	1997	2880	1.44	3859	5416	1.40
	43	-23	1969	2573	1.31	3758	4852	1.29
		-25	1948	2385	1.22	3693	4500	1.22
		-30	1890	1961	1.04	3540	3695	1.04
		-5	2330	4598	1.97	3946	7434	1.88
		-7	2309	4313	1.87	3952	7082	1.79
		-10	2279	3907	1.71	3925	6525	1.66
		-15	2234	3287	1.47	3957	5712	1.44
GVRL035NSA2A	27	-20	2184	2743	1.26	4017	4998	1.24
		-23	2149	2452	1.14	4070	4613	1.13
		-25	2124	2273	1.07	3998	4278	1.07
		-30	2054	1870	0.91	3829	3511	0.92
		-5	1897	6002	3.16	5006	12071	2.41
		-7	1879	5632	3.00	4867	11391	2.34
		-10	1853	5110	2.76	4670	10421	2.23
32	-15	1809	4322	2.39	4363	8926	2.05	
	-20	1770	3623	2.05	4083	7584	1.86	
	-23	1747	3246	1.86	3926	6850	1.74	
	-25	1730	3013	1.74	3825	6390	1.67	
	-30	1683	2488	1.48	3586	5341	1.49	
	-5	2119	5771	2.72	5481	11590	2.11	
	-7	2097	5418	2.58	5332	10946	2.05	
38	-10	2063	4919	2.38	5120	10027	1.96	
	-15	2008	4163	2.07	4789	8604	1.80	
	-20	1959	3493	1.78	4484	7322	1.63	
	-23	1930	3130	1.62	4312	6619	1.54	
	-25	1909	2906	1.52	4201	6177	1.47	
	-30	1851	2401	1.30	3939	5170	1.31	
	-5	2400	5479	2.28	4743	9374	1.98	
43	-7	2371	5148	2.17	4738	8988	1.90	
	-10	2329	4678	2.01	4768	8480	1.78	
	-15	2261	3964	1.75	4738	7551	1.59	
	-20	2201	3327	1.51	4794	6781	1.41	
	-23	2164	2982	1.38	4799	6323	1.32	
	-25	2137	2769	1.30	4677	5905	1.26	
	-30	2064	2290	1.11	4387	4949	1.13	
32	-5	2645	5222	1.97	4433	7999	1.80	
	-7	2612	4910	1.88	4449	7695	1.73	
	-10	2563	4466	1.74	4716	7516	1.59	
	-15	2485	3786	1.52	4837	6868	1.42	
	-20	2415	3179	1.32	5086	6364	1.25	
	-23	2370	2851	1.20	5226	6060	1.16	
	-25	2339	2648	1.13	5095	5664	1.11	
-30	2253	2191	0.97	4781	4751	0.99		

Model	OAT	SST	Min Frequency for selection(50 rps)			max capacity for selection		
			Power(W)	Capacity(W)	COP	Power(W)	Capacity(W)	COP
GVRL050NSA2A	27	-5	3090	8730	2.83	5373	12386	2.31
		-7	3034	8197	2.70	5311	11809	2.22
		-10	2950	7442	2.52	5259	11030	2.10
		-15	2812	6294	2.24	4992	9632	1.93
		-20	2674	5281	1.97	5020	8627	1.72
		-23	2592	4731	1.82	4985	8036	1.61
		-25	2540	4389	1.73	4937	7651	1.55
	32	-30	2417	3610	1.49	4731	6655	1.41
		-5	3537	8352	2.36	5881	11700	1.99
		-7	3470	7847	2.26	5820	11164	1.92
		-10	3369	7130	2.12	5772	10440	1.81
		-15	3205	6039	1.88	5597	9238	1.65
		-20	3041	5071	1.67	5411	8103	1.50
		-23	2945	4546	1.54	5394	7557	1.40
	38	-25	2883	4218	1.46	5357	7201	1.34
		-30	2739	3469	1.27	5313	6410	1.21
		-5	4095	7883	1.93	5305	9578	1.81
		-7	4014	7413	1.85	5391	9280	1.72
		-10	3894	6744	1.73	5384	8706	1.62
		-15	3697	5721	1.55	5487	7942	1.45
		-20	3503	4810	1.37	5453	7074	1.30
	43	-23	3389	4313	1.27	5440	6615	1.22
		-25	3317	4003	1.21	5412	6314	1.17
		-30	3149	3292	1.05	5423	5644	1.04
		-5	4577	7479	1.63	5004	8019	1.60
		-7	4486	7039	1.57	4996	7681	1.54
		-10	4349	6410	1.47	5310	7598	1.43
-15		4126	5444	1.32	5476	6970	1.27	
GVSL070NSA1A	27	-20	3906	4582	1.17	5451	6238	1.14
		-23	3779	4110	1.09	5750	6080	1.06
		-25	3699	3813	1.03	5564	5665	1.02
		-30	3509	3137	0.89	5339	4898	0.92
		-5	4449	13726	3.09	7458	21011	2.82
		-7	4346	12891	2.97	7219	19771	2.74
		-10	4199	11706	2.79	6883	17996	2.61
32	-15	3985	9907	2.49	6384	15277	2.39	
	-20	3811	8325	2.18	5954	12855	2.16	
	-23	3727	7467	2.00	5726	11537	2.01	
	-25	3681	6933	1.88	5587	10715	1.92	
	-30	3587	5726	1.60	5279	8846	1.68	
	-35	3520	4688	1.33	5036	7221	1.43	
	-40	3468	3805	1.10	4851	5826	1.20	
38	-5	4959	13185	2.66	8081	20096	2.49	
	-7	4852	12387	2.55	7835	18920	2.41	
	-10	4702	11256	2.39	7494	17236	2.30	
	-15	4485	9539	2.13	6984	14650	2.10	
	-20	4309	8022	1.86	6543	12338	1.89	
	-23	4226	7198	1.70	6310	11078	1.76	
	-25	4181	6684	1.60	6166	10292	1.67	
43	-30	4093	5523	1.35	5853	8502	1.45	
	-35	4026	4525	1.12	5609	6941	1.24	
	-40	3974	3676	0.92	5427	5600	1.03	
	-5	5625	12506	2.22	8880	18966	2.14	
	-7	5515	11757	2.13	8631	17868	2.07	
	-10	5363	10694	1.99	8283	16294	1.97	
	-15	5142	9077	1.77	7762	13870	1.79	
32	-20	4968	7639	1.54	7311	11695	1.60	
	-23	4890	6856	1.40	7073	10508	1.49	
	-25	4847	6368	1.31	6927	9766	1.41	
	-30	4765	5264	1.10	6609	8071	1.22	
	-35	4699	4317	0.92	6368	6589	1.03	
	-40	4648	3510	0.76	6188	5316	0.86	
	38	-5	6228	11912	1.91	9595	17993	1.88
-7		6117	11206	1.83	9343	16964	1.82	
-10		5963	10203	1.71	8991	15484	1.72	
-15		5743	8668	1.51	8463	13197	1.56	
-20		5575	7298	1.31	8006	11139	1.39	
-23		5502	6551	1.19	7764	10013	1.29	
-25		5463	6086	1.11	7617	9308	1.22	
43	-30	5382	5035	0.94	7302	7694	1.05	
	-35	5319	4132	0.78	7067	6281	0.89	
	-40	5270	3362	0.64	6884	5068	0.74	

Model	OAT	SST	Min Frequency for selection(50 rps)			max capacity for selection		
			Power(W)	Capacity(W)	COP	Power(W)	Capacity(W)	COP
GVSL100NSA1A	27	-5	7103	20839	2.93	13722	29650	2.16
		-7	6937	19671	2.84	13260	28102	2.12
		-10	6699	17997	2.69	12609	25857	2.05
		-15	6337	15429	2.43	11623	22349	1.92
		-20	6010	13127	2.18	10753	19149	1.78
		-23	5829	11868	2.04	10280	17378	1.69
		-25	5714	11076	1.94	9983	16262	1.63
		-30	5448	9276	1.70	9301	13691	1.47
	32	-35	5216	7696	1.48	8694	11419	1.31
		-40	5019	6319	1.26	8158	9428	1.16
		-5	7878	20078	2.55	14847	28500	1.92
		-7	7699	18968	2.46	14371	27040	1.88
		-10	7445	17373	2.33	13700	24912	1.82
		-15	7056	14916	2.11	12679	21575	1.70
		-20	6703	12708	1.90	11768	18517	1.57
		-23	6507	11497	1.77	11271	16820	1.49
	38	-25	6382	10739	1.68	10957	15749	1.44
		-30	6093	8999	1.48	10235	13275	1.30
		-35	5840	7471	1.28	9592	11084	1.16
		-40	5627	6136	1.09	9021	9162	1.02
		-5	8858	19110	2.16	11983	23428	1.96
		-7	8668	18070	2.08	11851	22366	1.89
		-10	8397	16573	1.97	11732	20890	1.78
		-15	7977	14258	1.79	12062	19056	1.58
	43	-20	7593	12167	1.60	12706	17433	1.37
		-23	7379	11018	1.49	12534	16101	1.28
		-25	7243	10297	1.42	12203	15087	1.24
		-30	6927	8639	1.25	11435	12737	1.11
		-35	6652	7175	1.08	10746	10648	0.99
		-40	6418	5896	0.92	10137	8812	0.87
		-5	9722	18255	1.88	9722	18255	1.88
		-7	9522	17276	1.81	9522	17276	1.81
		-10	9237	15863	1.72	9976	16856	1.69
		-15	8793	13670	1.55	11507	16862	1.47
		-20	8385	11682	1.39	13257	16325	1.23
		-23	8157	10586	1.30	13650	15457	1.13
		-25	8011	9897	1.24	13306	14492	1.09
		-30	7675	8309	1.08	12501	12250	0.98
		-35	7385	6905	0.93	11779	10257	0.87
		-40	7132	5675	0.80	11138	8492	0.76

The maximum selection capacity we leave large margin to make sure the reliability for our customer, if you have cooling capacity requirement beyond the boradline (<10%), you can contact our engineering for double check.



CARRIER COMMERCIAL REFRIGERATION (THAILAND) LTD.

Address: 14th - 15th Floor, Interlink Tower, 1858/63-74 Debaratna
Road, Km. 4.5, Bangna Tai, Bangna, Bangkok, 10260,
Thailand

Tel: + 66 (0) 2495 8800

Fax: + 66 (0) 2751 4796

<http://www.haier-carrier.com/en/>

CARRIER AIRCONDITIONING & REFRIGERATION LTD.

Address: Kherki Dhaultan Post, Village Narsinghpur, Gurgaon,
Haryana, 122001, India

Hotline: + (91) 124 4825000

Customer care no: 188004254250

<http://www.haier-carrier.com/en/>

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