

A misty landscape with rolling hills and a city skyline in the distance. The sky is a deep blue, and the hills are covered in a thick layer of fog. The city skyline is visible in the background, with several buildings and a prominent tower. The overall mood is serene and atmospheric.

RYKER

GH CONDENSING UNITS





STRONG. SUPERIOR. STEADFAST.

We're Ryker. Our condensing units are created for optimum and instantaneous cooling. Highly efficient and developed to thrive in both indoor and outdoor conditions.

RYKER GH CONDENSING UNITS

With a strong and sturdy design, Ryker GH condensing units are built to withstand the most extreme conditions, operating in ambients up to 43°C.

Ryker units have your back, whether used in cool rooms, food service or food and beverage retail installations. Supremely efficient, Ryker helps you get your job done quickly, easily and reliably.

Strong. Superior. Steadfast.



STANDARD FEATURES

Larger condenser that provides lower energy consumption and higher capacity at any given ambient

Condenser fans are single phase 240V ensuring economical efficiency and reduced risk of failure

Manufactured using a reliable, robust and highly efficient compressor

Compressors are fitted with an internal line break protection to ensure maximum motor protection for long life operation

Condensing units are supplied with sight glass, oil separator, filter drier, suction filter drier and solenoid valve and fully wired electrical enclosure

Designed for use with most common HFC and HFO/HFC refrigerant blends

All models are fully pre-wired for quick installation (DOL)

All models come pre-fitted with a HP/LP control

All models are fitted with a Carel condenser fan speed control

Powder coated exterior for long wearing durability

Range of units to suit applications from 5.2kW to 25.6kW

CONDENSING UNIT NOMENCLATURE

G

Unit Type
G = Indoor
Unit

H

Compressor Type
H = Hermetic
Recip.

112

Rated Capacity (R404A) in Watts Divided By 100
32°C Ambient
MH and LMH @ -5°C SST
L and LM @ -25°C SST

MH

Application Range
L (Low),
M (Medium),
H (High)

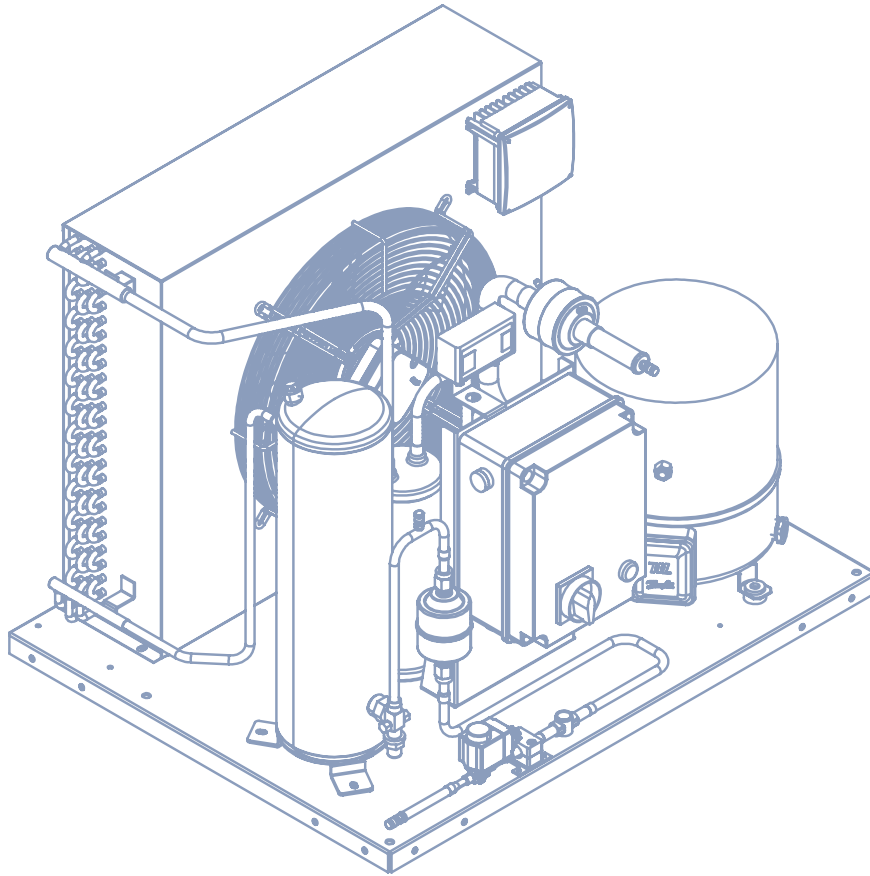
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Condenser Type and Variation
A = Air Cooled

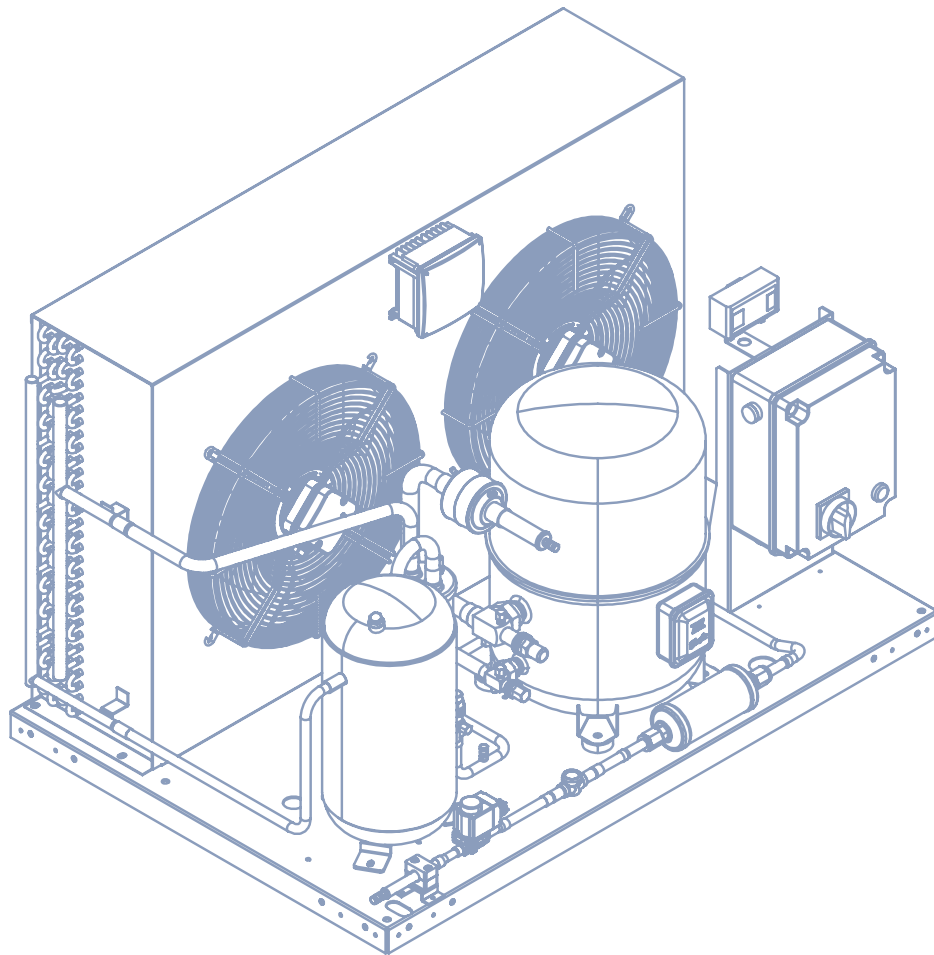
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Power Supply & Release Number (Sequential)
Even = 3 Phase Supply

RYKER GH CONDENSING UNITS



Product Code	Model	Compressor					Fan(s)			
		Maneurop Model	Displacement cm ³ /rev	Nominal HP	MOC Amps	Volts/Phase	No. Diam. mm	MOC Amps	Air Flow m ³ /hr	Volts/Phase
3518000	GH087MHA1-2	MTZ050	85.6	4.2	11.5	380-420V/3/50Hz	1 X 450	2.36	4420	240v/50hZ
3518001	GH112MHA1-2	MTZ064	107.7	5.7	14.0	380-420V/3/50Hz	2 X 350	1.40	4210	240v/50hZ
3518002	GH144MHA1-2	MTZ080	135.8	7	19.0	380-420V/3/50Hz	2 X 450	4.72	8840	240v/50hZ
3518003	GH168MHA1-2	MTZ100	171.3	8	22.0	380-420V/3/50Hz	2 X 450	4.72	8840	240v/50hZ
3518004	GH209MHA1-2	MTZ125	215.4	9	27.0	380-420V/3/50Hz	2 X 500	6.00	11530	240v/50hZ
3518005	GH271MHA1-2	MTZ160	271.6	12	36.0	380-420V/3/50Hz	2 X 500	6.00	11530	240v/50hZ

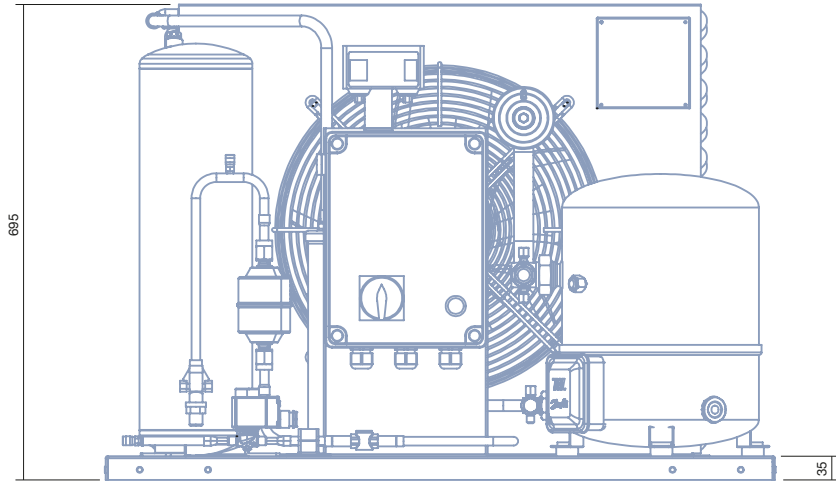


Product Code	Condenser capacity @10K TD, R404A kW	Liquid Receiver Capacity kg @ 80%	Line Size inches		Nett Weight kg	Sound Power Level dBA	Dimensions		
			Suction	Liquid			L mm	W mm	H mm
3518000	16.280	12.00	1-3/8"	1/2"	115	83	980	770	695
3518001	28.540	12.00	1-3/8"	5/8"	131	83	980	770	655
3518002	30.640	12.00	1-3/8"	5/8"	153	83	1270	870	680
3518003	37.520	14.50	1-3/8"	5/8"	185	84	1270	870	820
3518004	40.750	14.50	1-3/8"	5/8"	197	84	1270	870	930
3518005	65.070	14.50	1-3/8"	5/8"	213	85	1270	870	930

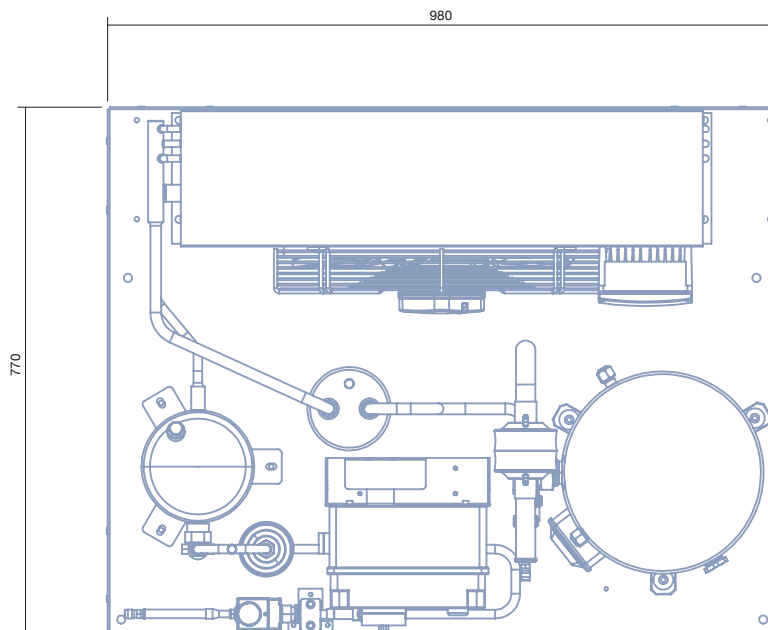
SINGLE FAN MODEL

GH087MHA1-2

FRONT



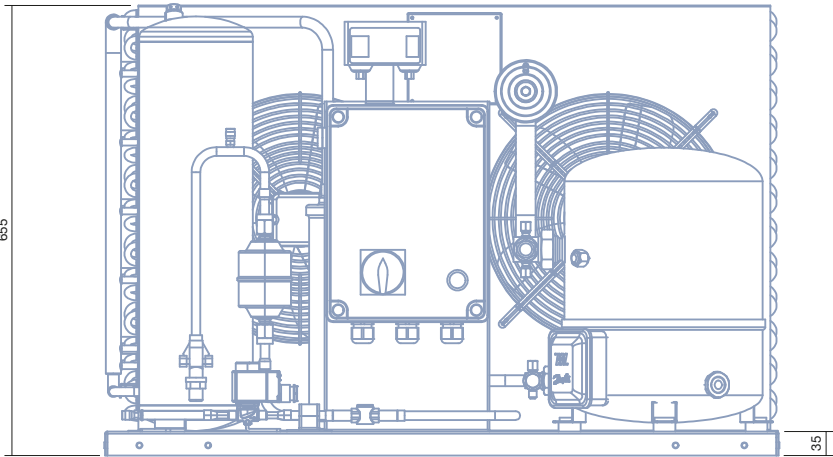
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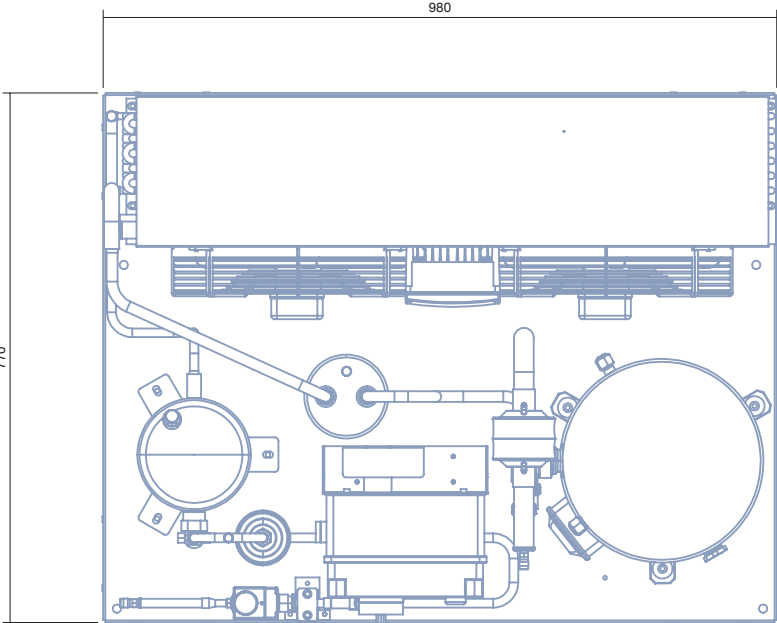
DOUBLE FAN MODELS

GH112MHA1-2

FRONT



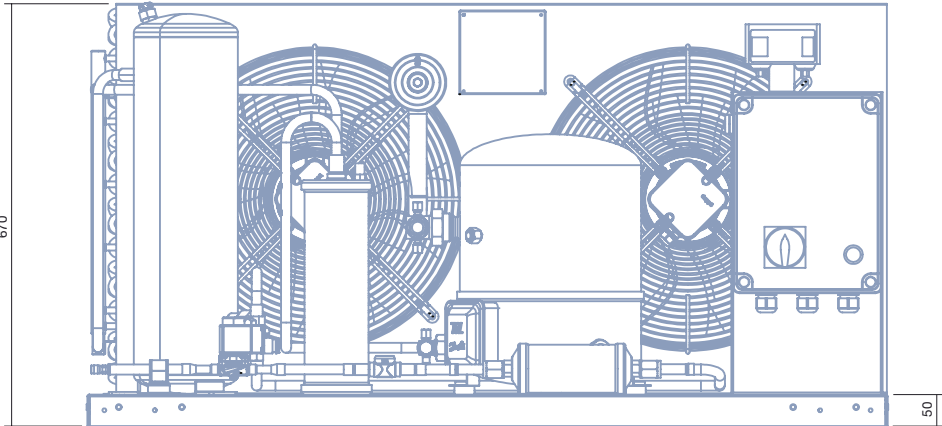
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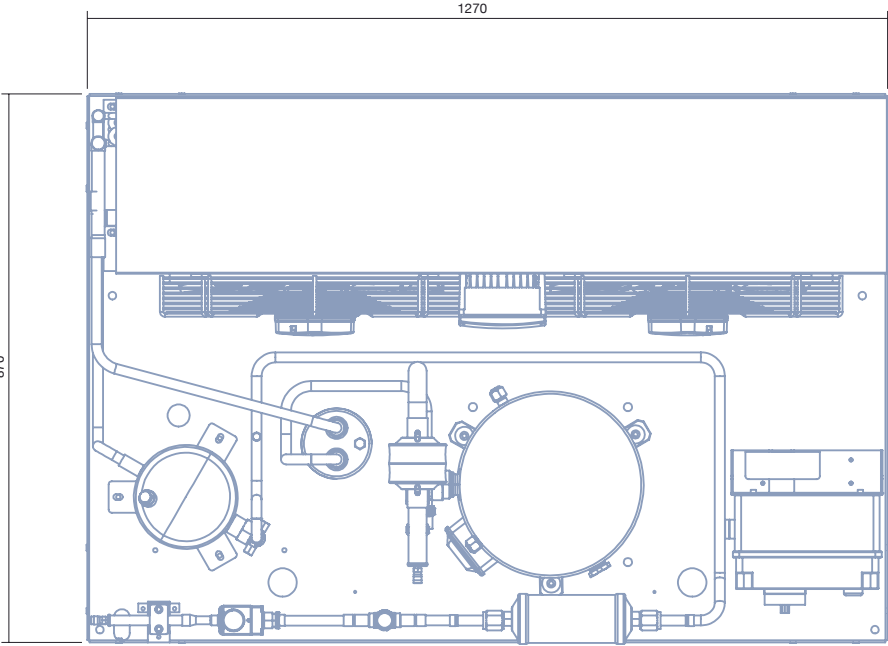
DOUBLE FAN MODELS

GH144MHA1-2

FRONT



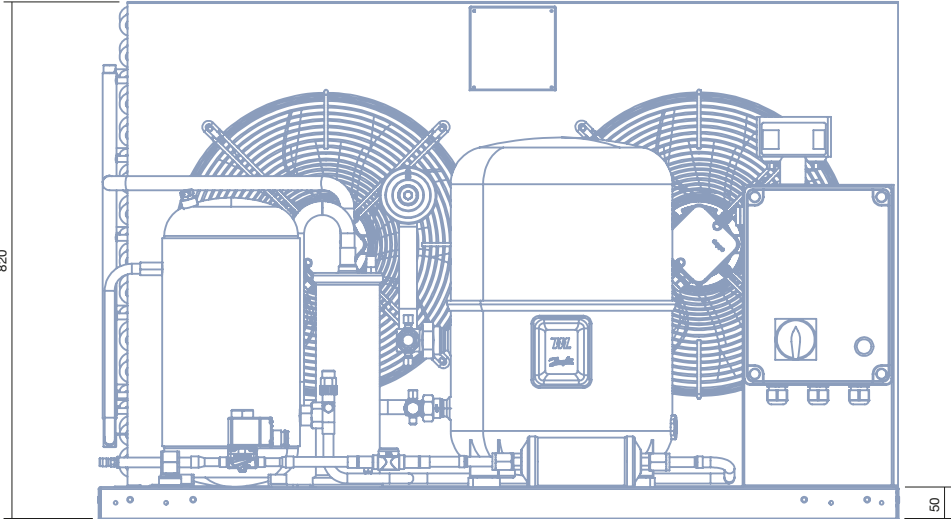
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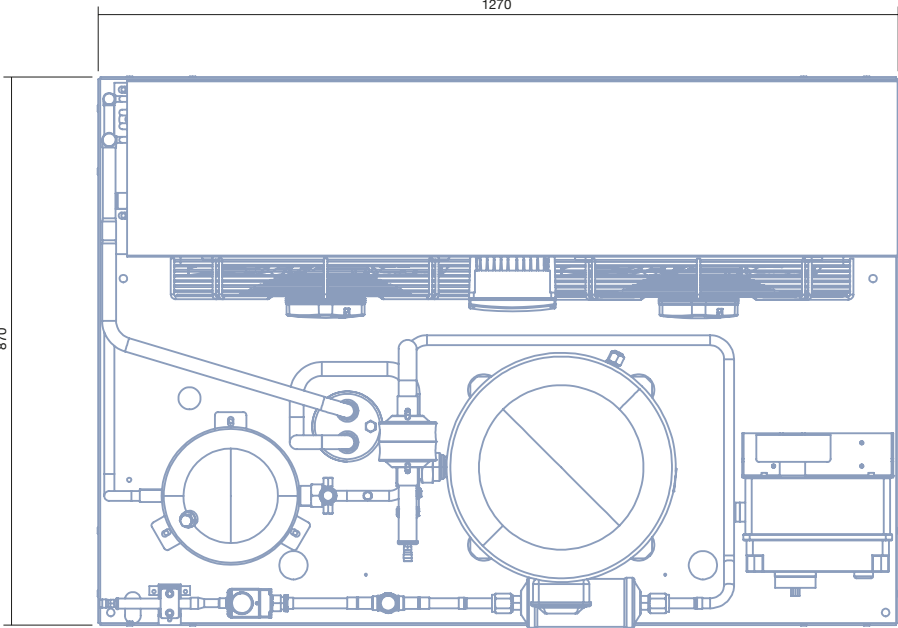
DOUBLE FAN MODELS

GH168MHA1-2

FRONT



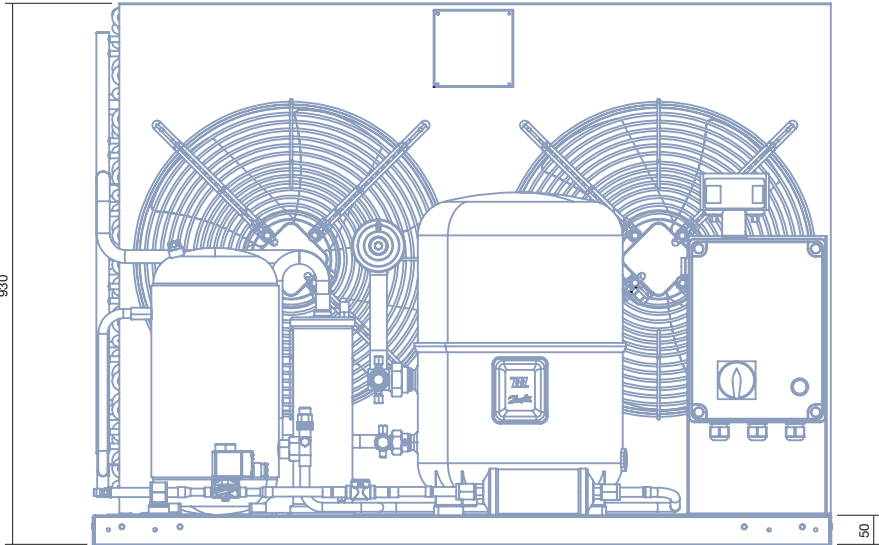
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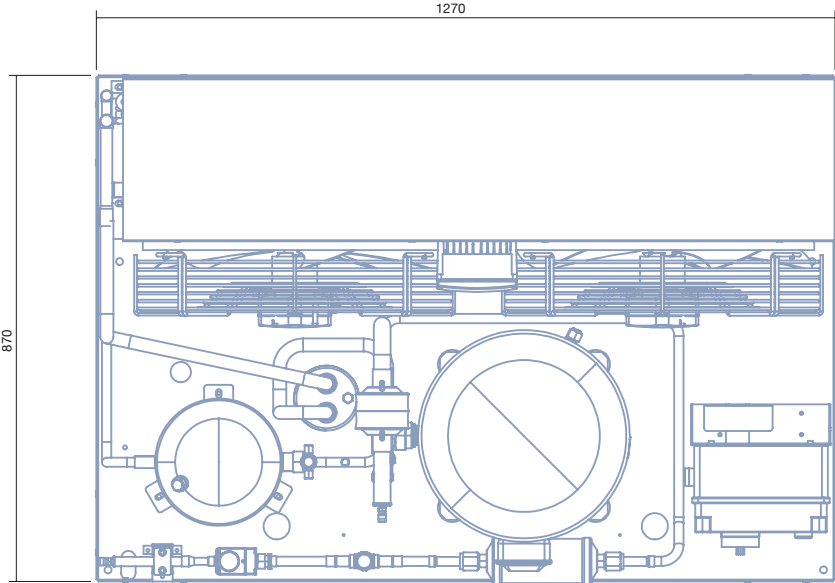
DOUBLE FAN MODELS

GH209MHA1-2

FRONT



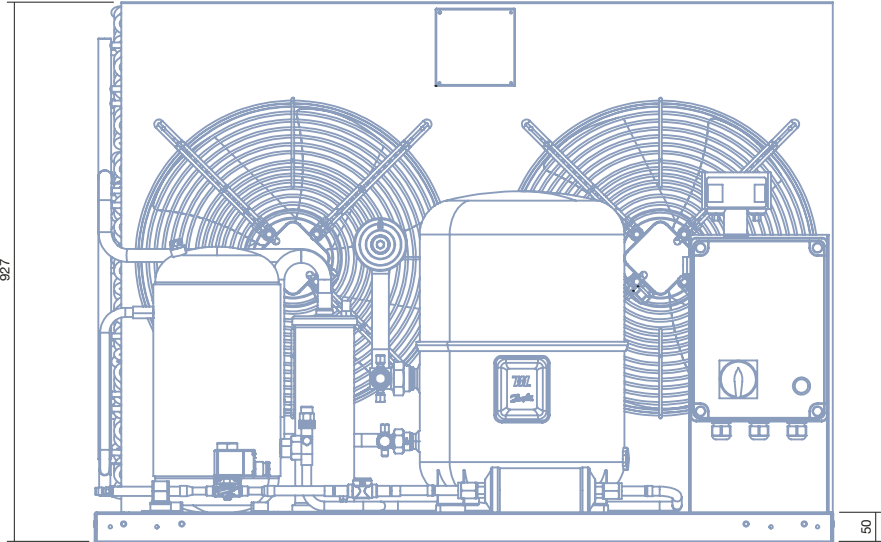
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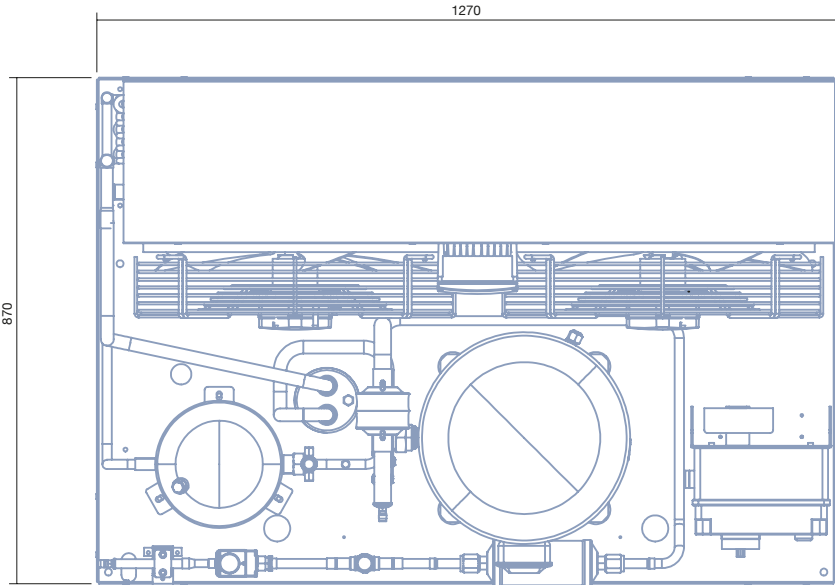
DOUBLE FAN MODELS


GH271MHA1-2

FRONT



TOP





"My long association with the refrigeration industry gives me absolute confidence in this product. The unit offers superior cooling and I am proud to be a part of the journey."

GEORGE HALE

PERFORMANCE DATA

R404A

Product Code	Model	Ambient Temp. °C	Saturated Suction Temperature: °C							
			-25	-20	-15	-10	-5	0	5	10
R404A Medium / Low Temperature application										
3518000	GH087MHA1-2	32	3448	4476	5649	6961	8400	9951	11598	13325
		35	3213	4192	5304	6542	7899	9361	10914	12543
		38	2984	3914	4963	6129	7404	8776	10234	11764
		43	-	3462	4408	5451	6588	7810	9109	10474
3518001	GH112MHA1-2	32	4442	5746	7247	8941	10820	12868	15066	17391
		35	4141	5389	6816	8422	10198	12133	14209	16407
		38	3843	5033	6386	7902	9576	11397	13351	15421
		43	-	4443	5671	7037	8538	10168	11919	13776
3518002	GH144MHA1-2	32	6015	7620	9417	11395	13539	15829	18242	20754
		35	5648	7185	8894	10767	12792	14950	17223	19588
		38	5286	6754	8374	10141	12045	14072	16203	18422
		43	-	6041	7512	9101	10802	12607	14502	-
3518003	GH168MHA1-2	32	6767	8845	11190	13786	16612	19639	22837	26175
		35	6335	8329	10560	13014	15675	18518	21518	24649
		38	5891	7804	9922	12236	14732	17393	20197	23122
		43	-	6904	8838	10922	13150	15510	17989	20573
3518004	GH209MHA1-2	32	9028	11532	14402	17626	21181	25035	29152	33491
		35	8446	10830	13552	16602	19960	23601	27490	31590
		38	7883	10145	12717	15592	18753	22177	25836	29696
		43	-	9039	11358	13936	16764	19826	23098	26553
3518005	GH271MHA1-2	32	11779	14883	18371	22223	26406	30877	35584	40471
		35	11063	14032	17347	20993	24941	29153	33584	38182
		38	10354	13184	16324	19761	23472	27424	31577	35885
		43	-	11778	14619	17703	21014	24529	28216	-

Additional Cooling required

Conditions: 20°C Return Vapour & SC: o K

PERFORMANCE DATA

R448A

Product Code	Model	Ambient Temp. °C	Saturated Suction Temperature: °C						
			-20	-15	-10	-5	0	5	10
R448A Medium / Low Temperature application									
3518000	GH087MHA1-2	32	3657	4826	6182	7725	9449	11344	13396
		35	3451	4572	5867	7339	8984	10792	12751
		38	-	4315	5550	6951	8516	10238	12105
		43	-	3880	5015	6300	7734	9312	-
3518001	GH112MHA1-2	32	4846	6323	8022	9944	12083	14428	16964
		35	4555	5971	7598	9437	11483	13728	16158
		38	-	5623	7176	8932	10886	13031	15354
		43	-	5052	6483	8099	9899	11876	14021
3518002	GH144MHA1-2	32	6681	8510	10599	12945	15536	18355	21380
		35	6336	8090	10088	12330	14804	17497	20386
		38	-	7667	9575	11711	14069	16634	19389
		43	-	6960	8713	10673	12836	15189	-
3518003	GH168MHA1-2	32	7465	9755	12420	15461	18872	22634	26726
		35	7025	9213	11755	14657	17912	21507	25420
		38	-	8680	11100	13862	16962	20389	24125
		43	-	7808	10027	12558	15401	18549	21988
3518004	GH209MHA1-2	32	9982	13029	16565	20588	25084	30029	35387
		35	9394	12306	15681	19522	23816	28544	33673
		38	-	11592	14807	18465	22559	27069	31968
		43	-	10424	13373	16727	20485	24633	-
3518005	GH271MHA1-2	32	13730	17311	21371	25904	30888	36292	42073
		35	12968	16401	20285	24616	29378	34543	40073
		38	-	15508	19217	23348	27888	32814	38091
		43	-	14054	17475	21274	25447	29974	-

Additional Cooling required

Conditions: 20°C Return Vapour & SC: o K

PERFORMANCE DATA

R449A

Product Code	Model	Ambient Temp. °C	Saturated Suction Temperature: °C						
			-20	-15	-10	-5	0	5	10
R449A Medium / Low Temperature application									
3518000	GH087MHA1-2	32	3665	4835	6191	7734	9456	11348	13396
		35	3460	4581	5877	7348	8991	10796	12751
		38	-	4324	5559	6960	8524	10242	12105
		43	-	3889	5025	6309	7741	9316	-
3518001	GH112MHA1-2	32	4857	6335	8035	9956	12092	14433	16964
		35	4566	5983	7610	9448	11492	13733	16158
		38	-	5635	7189	8944	10895	13036	15354
		43	-	5064	6496	8111	9908	11881	14021
3518002	GH144MHA1-2	32	6697	8526	10616	12960	15548	18363	21380
		35	6352	8106	10105	12345	14816	17504	20386
		38	-	7684	9591	11726	14081	16641	19389
		43	-	6977	8730	10689	12848	15197	-
3518003	GH168MHA1-2	32	7481	9773	12439	15479	18886	22643	26726
		35	7041	9232	11774	14674	17926	21515	25420
		38	-	8698	11119	13880	16977	20398	24125
		43	-	7827	10047	12576	15415	18558	21988
3518004	GH209MHA1-2	32	10004	13054	16590	20611	25103	30040	35387
		35	9416	12331	15706	19545	23835	28555	33673
		38	-	11617	14833	18489	22578	27080	31968
		43	-	10449	13399	16751	20504	24644	-
3518005	GH271MHA1-2	32	13761	17344	21405	25934	30912	36306	42073
		35	12999	16435	20319	24647	29403	34557	40072
		38	-	15542	19251	23379	27913	32828	38091
		43	-	14088	17509	21306	25472	29989	-

Additional Cooling required

Conditions: 20°C Return Vapour & SC: o K

PERFORMANCE DATA

R452A

Product Code	Model	Ambient Temp. °C	Saturated Suction Temperature: °C							
			-25	-20	-15	-10	-5	0	5	10
R452A Medium / Low Temperature application										
3518000	GH087MHA1-2	32	3197	4229	5414	6748	8221	9821	11531	13335
		35	-	3987	5118	6384	7779	9292	10908	12613
		38	-	3738	4814	6013	7329	8754	10276	11882
		43	-	3312	4293	5377	6561	7840	9204	-
3518001	GH112MHA1-2	32	4307	5606	7086	8744	10573	12559	14688	16939
		35	-	5273	6686	8265	10001	11885	13902	16036
		38	-	4939	6285	7782	9425	11205	13110	15125
		43	-	4382	5613	6971	8455	10060	11776	13592
3518002	GH144MHA1-2	32	5603	7067	8732	10595	12647	14874	17257	19773
		35	-	6701	8289	10060	12004	14110	16362	18738
		38	-	6326	7837	9512	11347	13332	15451	17688
		43	-	5684	7060	8574	10223	12002	13900	-
3518003	GH168MHA1-2	32	6770	8801	11126	13745	16645	19808	23208	26816
		35	-	8287	10506	12992	15737	18727	21940	25350
		38	-	7767	9880	12234	14826	17643	20669	23882
		43	-	6888	8825	10961	13297	15828	18543	21429
3518004	GH209MHA1-2	32	8801	11436	14451	17840	21587	25664	30039	34671
		35	-	10760	13637	16857	20409	24269	28409	32794
		38	-	10080	12817	15867	19223	22865	26770	30909
		43	-	8933	11436	14202	17230	20509	24023	27750
3518005	GH271MHA1-2	32	12000	14864	18094	21693	25650	29944	34541	39398
		35	-	14021	17104	20526	24280	28348	32701	37302
		38	-	13178	16112	19355	22904	26744	30852	35195
		43	-	-	14453	17394	20597	24056	27753	-

Additional Cooling required

Conditions: 20°C Return Vapour & SC: o K

PERFORMANCE DATA

R134a

Product Code	Model	Ambient	Saturated Suction Temperature: °C						
			-20	-15	-10	-5	0	5	10
R134a Medium / Low Temperature application									
3518000	GH087MHA1-2	32	2213	3010	3982	5141	6498	8056	9816
		35	2065	2831	3760	4870	6170	7665	9357
		38	1922	2658	3548	4608	5852	7285	8909
		43	-	2382	3210	4192	5344	6674	8187
3518001	GH112MHA1-2	32	2745	3743	4964	6428	8151	10140	12398
		35	2569	3531	4706	6115	7773	9690	11869
		38	2395	3323	4452	5806	7400	9244	11344
		43	-	2984	4038	5300	6786	8509	10476
3518002	GH144MHA1-2	32	3732	4961	6444	8196	10229	12547	15152
		35	3520	4700	6124	7809	9767	12003	14519
		38	3317	4446	5811	7428	9310	11463	13891
		43	-	4039	5303	6806	8560	10576	12855
3518003	GH168MHA1-2	32	4278	5852	7761	10029	12669	15689	19087
		35	4025	5546	7384	9563	12099	15000	18267
		38	3770	5239	7006	9098	11530	14312	17447
		43	-	4728	6378	8322	10581	13166	16081
3518004	GH209MHA1-2	32	5547	7493	9836	12603	15812	19471	23582
		35	5199	7082	9340	12003	15088	18608	22563
		38	4848	6666	8840	11398	14360	17739	21539
		43	-	5972	8002	10384	13140	16284	19824
3518005	GH271MHA1-2	32	8428	10942	13922	17392	21366	25852	30845
		35	8001	10422	13291	16634	20466	24794	29619
		38	7585	9911	12668	15881	19569	23740	28394
		43	-	9082	11647	14641	18085	21989	26357

Additional Cooling required

Conditions: 20°C Return Vapour & SC: 0 K

PERFORMANCE DATA

R513A

Product Code	Model	Ambient Temp. °C	Saturated Suction Temperature: °C						
			-20	-15	-10	-5	0	5	10
R513A Medium / Low Temperature application									
3518000	GH087MHA1-2	32	2536	3335	4288	5404	6686	8136	9750
		35	2399	3164	4074	5139	6362	7747	9291
		38	2265	2997	3864	4878	6043	7363	8837
		43	-	2726	3524	4453	5522	6734	8092
3518001	GH112MHA1-2	32	3031	4078	5323	6774	8434	10301	12373
		35	2846	3847	5039	6429	8019	9811	11801
		38	2668	3624	4761	6088	7609	9325	11233
		43	-	3268	4313	5535	6938	8525	10296
3518002	GH144MHA1-2	32	3922	5218	6763	8563	10614	12913	15447
		35	3695	4930	6406	8128	10094	12301	14738
		38	3481	4653	6058	7700	9580	11694	14032
		43	-	4218	5500	7007	8739	10694	12865
3518003	GH168MHA1-2	32	4989	6587	8485	10705	13256	16145	19366
		35	4722	6262	8082	10204	12642	15403	18484
		38	4453	5937	7680	9707	12033	14666	17608
		43	-	5393	7012	8883	11024	13448	16159
3518004	GH209MHA1-2	32	6807	8808	11201	14020	17283	20998	25161
		35	6517	8445	10739	13432	16547	20094	24072
		38	6219	8076	10271	12839	15806	19186	22980
		43	-	7446	9477	11839	14562	17664	21151
3518005	GH271MHA1-2	32	8987	11556	14566	18030	21953	26328	31142
		35	8512	10977	13863	17185	20948	25148	29775
		38	8049	10407	13167	16345	19946	23971	28408
		43	-	9481	12026	14958	18286	22012	26130

Additional Cooling required

Conditions: 20°C Return Vapour & SC: o K

Superior reliability comes standard when you choose Ryker – our units are built to withstand even the harshest environmental conditions.



STRONG. SUPERIOR. STEADFAST.

Actrol. Works for you.™

Call **1800 ACTROL** for your nearest branch.

The manufacturer/distributor reserves the right to vary specifications or delete models from their range without prior notification.
The manufacturer/distributor takes no responsibility for printing errors. All dimensions are nominal only.

V2

