

BITZER EVOLUTION EVO7 & EVO8 UNITS



Evolution EVO7 – EVO8 Air Cooled Condensing Units

The Bitzer Evolution EVO7 & EVO8 unit series incorporates the latest compressor developments including Bitzer ECOLINE compressors, VARISTEP capacity regulation via CR11 capacity control or VARIPACK Frequency Inverter coupled with world class fan technology to produce an extremely efficient unit.

EVOLUTION EVO7 & EVO8 Outdoor Air Cooled Condensing Units
are available in **Basic, Advanced & Premium** series models

Basic Series – Standard Features:

- 16 unit models available
- BITZER ECOLINE compressor
- Epoxy fin & copper tube condenser
- Centrifugal Internal reservoir oil separator
- 45L Liquid receiver c/w sight glass
- Demountable liquid line drier
- Liquid line sight glass
- Liquid line ball valve
- 3 Phase EC condenser fans
- Vertical airflow design
- Fan speed control
- Galvanised steel base
- High quality powder coated panel set
- Mechanical dual pressure control
- DP11 oil pressure switch
- Oil level monitoring and control
- Pre-wired electrical panel and componentry



Advanced Series – Standard Features:

- 16 unit models available
- BITZER ECOLINE compressor
- Epoxy fin & copper tube condenser
- Centrifugal Internal reservoir oil separator
- 45L Liquid receiver c/w sight glass
- Demountable liquid line drier
- Liquid line sight glass
- Liquid line ball valve
- 3 Phase EC condenser fans
- Vertical airflow design
- Fan speed control
- Galvanised steel base
- High quality powder coated panel set
- Mechanical dual pressure control
- DP11 oil pressure switch
- Oil level monitoring and control
- Pre-wired electrical panel and componentry
- **Bitzer proprietary unit controller**
- **VARISTEP CR11 capacity regulation**
10..100% for 4-cyl compressors
33..100% for 6-cyl compressors
- **Simple set up & commissioning via BEST tool**

Premium Series – Standard Features:

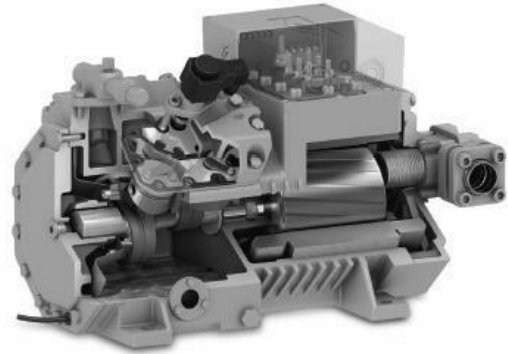
- 32 unit models available
- BITZER ECOLINE compressor
- Epoxy fin & copper tube condenser
- Centrifugal Internal reservoir oil separator
- 45L Liquid receiver c/w sight glass
- Demountable liquid line drier
- Liquid line sight glass
- Liquid line ball valve
- 3 Phase EC condenser fans
- Vertical airflow design
- Fan speed control
- Galvanised steel base
- High quality powder coated panel set
- Mechanical dual pressure control
- DP11 oil pressure switch
- Oil level monitoring and control
- Pre-wired electrical panel and componentry
- **Bitzer VARIPACK Frequency Inverter with expansion module for self-regulation included**
- **Simple set up & commissioning via BEST tool**

BITZER EVOLUTION EVO7 & EVO8 UNITS

Basic, Advanced & Premium Series Units

BITZER ECOLINE Compressor

BITZER has always paid special attention to the efficiency of compressors and a few years ago introduced the BITZER ECOLINE series, which has been optimised especially for R134a. More models have now been added to the BITZER ECOLINE series and it has been further developed for the universal use with various refrigerants with extended application ranges. This continues to incorporate the extra high efficiency and moderate pressure levels (reduced leakage rates) common to the series. This gives the BITZER ECOLINE compressors, which can also be used at very low condensing temperatures, a beneficial seasonal energy efficiency ratio beyond comparison..



Advanced Series Units

The CRII System

Capacity control is often required to match the output of a refrigeration, air-conditioning or heat pump system to the actual requirement. It prevents high switching frequency of the compressor and, thus, ensures more efficient operation of the system.

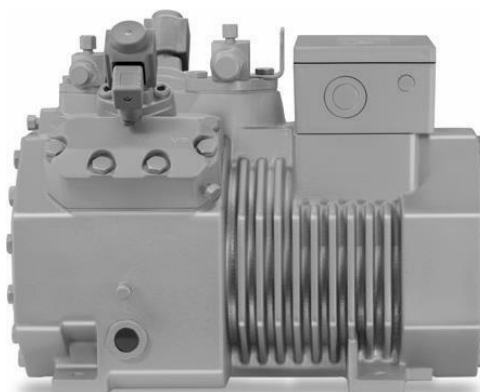
The CRII system is designed for the special requirements of intelligent system controls.

This enables higher cycling frequency of capacity control.

As a standard feature BITZER utilises a proprietary controller to operate and control the functionality of the BITZER CRII capacity control system.

The controller will start / stop, load / unload the compressor based upon the suction pressure set point.

The capacity steps can be activated /deactivated rapidly (5 s).



BITZER EVOLUTION EVO7 & EVO8 UNITS

Premium Series Units

The VARIPACK Frequency Inverters

A frequency inverter series for all BITZER reciprocating compressors

For easy and safe capacity control, BITZER VARIPACK series offers a new generation of intelligent frequency inverters that can be used with all BITZER reciprocating compressors.

The VARIPACK frequency inverter series was specially developed for refrigeration and operation of BITZER refrigeration compressors.

The focus of the development was the easy use, the reliability and the high performance of the frequency inverters.

They can be for example put into operation intuitively and perform control functions of the refrigeration system.

The optimised adaptation to the current cooling demand of a system reduces energy consumption effectively and thus ongoing energy costs.

The VARIPACK Unit Controller (Premium Units)

The unit will be fitted standard with a unit safety control module.

This controller will perform and provide the following actions:

- Provide energy & cost savings through intelligent capacity control incl.
 - Compressor frequency inverter by suction pressure
 - Condenser Fan control also by internal inverter control
- Start / Stop the compressor
- Compressor Protection
- Easy installation
- Refrigerant configurable
- Provide energy and cost savings through intelligent fan speed regulation to achieve constant condensing temperature.



BITZER EVOLUTION EVO7 & EVO8 UNITS

BASIC & ADVANCED Series – EVO7 Units

R134a Medium Temperature

Performance based on +20°C suction gas Inherent liquid sub-cooling @ 50Hz

Airefrig Part Number	Comp Motor Type	Ambient Temp °C	Refrigeration Capacity (Watts)								
			Evaporating Temperature °C								
			10	5	0	-5	-10	-15	-20	-25	-30
4JE15YEVO7BA Basic Unit: T200-701 4JE-15Y-EVO7 4JE15YEVO7AD Advanced unit: T202-701 4JE-15Y-EVO7-2	2	35	47438	39723	32867	26830	21565	17014	13111	9785	6953
		38	45655	38199	31580	25755	20676	16283	12511	9285	6523
		40	44471	37188	30726	25042	20086	15799	12113	8953	6236
		43	42701	35676	29449	23976	19204	15074	11516	8454	5806
4HE18YEVO7BA Basic Unit: T200-702 4HE-18Y-EVO7 4HE18YEVO7AD Advanced Unit: T202-702 4HE-18Y-EVO7-2	2	35	54754	46018	38227	31347	25331	20120	15644	11823	8565
		38	52693	44258	36744	30112	24314	19291	14970	11270	8099
		40	51318	43085	35755	29289	23638	18740	14523	10904	7791
		43	49254	41323	34270	28054	22624	17915	13855	10359	7335
4GE23YEVO7BA Basic Unit: T200-703 4GE-23Y-EVO7 4GE23YEVO7AD Advanced Unit: T202-703 4GE-23Y-EVO7-2	2	35	60684	51087	42501	34891	28209	22394	17373	13058	9350
		38	58257	48993	40718	33394	26971	21386	16563	12412	8835
		40	56635	47592	39523	32389	26137	20705	16013	11972	8482
		43	54198	45485	37724	30872	24878	19673	15177	11301	7941
4FE28YEVO7BA Basic Unit: T200-704 4FE-28Y-EVO7 4FE28YEVO7AD Advanced Unit: T202-704 4FE-28Y-EVO7-2	2	35	71692	60637	50699	41867	34110	27376	21596	16677	12509
		38	69050	58388	48812	40306	32836	26346	20764	15995	11929
		40	67287	56888	47553	39264	31984	25657	20206	15538	11540
		43	64642	54634	45660	37696	30702	24618	19366	14849	10953
6JE25YEVO7BA Basic Unit: T200-705 6JE-25Y-EVO7 6JE25YEVO7AD Advanced Unit: T202-705 6JE-25Y-EVO7-2	2	35	66635	56020	46503	38065	30671	24269	18787	14133	10203
		38	64005	53766	44593	36465	29345	23175	17881	13371	9538
		40	62250	52262	43318	35398	28459	22444	17276	12863	9096
		43	59618	50005	41405	33795	27129	21346	16369	12101	8433
6HE28YEVO7BA Basic Unit: T200-706 6HE-28Y-EVO7 6HE28YEVO7AD Advanced Unit: T202-706 6HE-28Y-EVO7-2	2	35	76073	64310	53690	44215	35861	28585	22319	16972	12433
		38	73102	61763	51534	42412	34370	27359	21309	16127	11700
		40	71120	60064	50096	41209	33375	26541	20636	15564	11211
		43	68148	57514	47937	39403	31880	25312	19624	14719	10479
6GE34YEVO7BA Basic Unit: T200-707 6GE-34Y-EVO7 6GE34YEVO7AD Advanced Unit: T202-707 6GE-34Y-EVO7-2	2	35	84142	71596	60158	49858	40701	32667	25706	19738	14658
		38	80785	68722	57732	47839	39041	31312	24595	18810	13845
		40	78551	66808	56116	46494	37934	30407	23854	18189	13300
		43	75206	63943	53696	44478	36275	29050	22740	17256	12482
6FE44YEVO7BA Basic unit: T200-708 6FE-44Y-EVO7 6FE44YEVO7AD Advanced Unit: T202-708 6FE-44Y-EVO7-2	2	35	96865	82954	70147	58502	48052	38800	30715	23728	17738
		38	92994	79626	67328	56149	46113	37215	29417	22644	16789
		40	90418	77411	65451	54581	44821	36158	28550	21919	16155
		43	86564	74095	62640	52233	42884	34573	27249	20830	15201

Indicates additional cooling required - contact Airefrig Australia for further information.

Note: additional cooling may be required with the use of CRIL capacity control - contact Airefrig Australia for further information.

BITZER EVOLUTION EVO7 & EVO8 UNITS

BASIC & ADVANCED Series – EVO8 Units

R134A Medium Temperature (cont'd)

Performance based on +20°C suction gas Inherent liquid sub-cooling @ 50Hz

Airefrig Part Number	Comp Motor Type	Ambient Temp °C	Refrigeration Capacity (Watts)								
			Evaporating Temperature °C								
			10	5	0	-5	-10	-15	-20	-25	-30
4JE15YEVO8BA Basic Unit: T200-801 4JE-15Y-EVO8 4JE15YEVO8AD Advanced Unit: T202-801 4JE-15Y-EVO8-2	2	35	48438	40453	33388	27194	21814	17180	13221	9856	7000
		38	46627	38908	32086	26109	20917	16445	12617	9354	6568
		40	45424	37883	31222	25388	20323	15957	12217	9020	6280
		43	43627	36351	29931	24312	19434	15228	11617	8520	5848
4HE18YEVO8BA Basic Unit: T200-802 4HE-18Y-EVO8 4HE18YEVO8AD Advanced Unit: T202-802 4HE-18Y-EVO8-2	2	35	56100	47000	38929	31837	25665	20343	15790	11917	8627
		38	54010	45219	37429	30590	24640	19508	15112	11361	8157
		40	52615	44031	36430	29760	23958	18953	14662	10993	7848
		43	50520	42247	34930	28514	22936	18122	13989	10445	7389
4GE23YEVO8BA Basic Unit: T200-803 4GE-23Y-EVO8 4GE23YEVO8AD Advanced Unit: T202-803 4GE-23Y-EVO8-2	2	35	62468	52400	43446	35553	28661	22693	17564	13176	9421
		38	60004	50281	41646	34047	27418	21683	16753	12531	8907
		40	58355	48861	40439	33033	26579	20999	16202	12090	8553
		43	55876	46724	38618	31503	25310	19961	15363	11417	8011
4FE28YEVO8BA Basic Unit: T200-804 4FE-28Y-EVO8 4FE28YEVO8AD Advanced Unit: T202-804 4FE-28Y-EVO8-2	2	35	74039	62346	51916	42712	34683	27757	21845	16839	12618
		38	71348	60064	50006	41136	33399	26720	21009	16155	12036
		40	69553	58541	48731	40083	32540	26027	20449	15696	11645
		43	66858	56252	46814	38500	31248	24982	19604	15004	11055
6JE25YEVO8BA Basic Unit: T200-805 6JE-25Y-EVO8 6JE25YEVO8AD Advanced Unit: T202-805 6JE-25Y-EVO8-2	2	35	68768	57580	47618	38845	31205	24627	19023	14289	10306
		38	66088	55289	45682	37227	29866	23523	18110	13521	9636
		40	64299	53760	44390	36147	28971	22786	17501	13009	9190
		43	61614	51464	42449	34524	27627	21679	16586	12241	8523
6HE28YEVO8BA Basic Unit: T200-806 6HE-28Y-EVO8 6HE28-EVO8AD Advanced Unit: T202-806 6HE-28Y-EVO8-2	2	35	78868	66360	55161	45246	36568	29060	22633	17179	12571
		38	75833	63767	52973	43421	35061	27823	21616	16328	11832
		40	73808	62037	51512	42202	34055	26997	20936	15760	11340
		43	70769	59438	49318	40371	32543	25756	19916	14909	10602
6GE34YEVO8BA Basic Unit: T200-807 6GE-34Y-EVO8 6GE34YEVO8AD Advanced Unit: T202-807 6GE-34Y-EVO8-2	2	35	87722	74229	62047	51180	41605	33272	26106	20003	14837
		38	84273	71289	59576	49131	39925	31904	24987	19068	14018
		40	81977	69330	57929	47765	38804	30990	24239	18443	13470
		43	78536	66396	55460	45715	37122	29618	23115	17502	12646
6FE44YEVO8BA Basic Unit: T200-808 6FE-44Y-EVO8 6FE44YEVO8AD Advanced Unit: T202-808 6FE-44Y-EVO8-2	2	35	101723	86561	72758	60344	49320	39654	31283	24107	17995
		38	97724	83140	69874	57948	47353	38051	29973	23014	17040
		40	95062	80862	67953	56350	46041	36981	29098	22283	16401
		43	91076	77451	65075	53956	44073	35375	27783	21184	15439

Indicates additional cooling required - contact Airefrig Australia for further information.

Note: additional cooling may be required with the use of CRII capacity control - contact Airefrig Australia for further information.

BITZER EVOLUTION EVO7 & EVO8 UNITS

BASIC & ADVANCED Series – EVO7 Units

R404A / R507 Medium Temperature

Performance based on +20°C suction gas , Inherent liquid sub-cooling @ 50Hz

Airefrig Part Number	Comp Motor Type	Ambient Temp °C	Refrigeration Capacity (Watts)					
			Evaporating Temperature °C					
			-5	-10	-15	-20	-25	-30
4JE15YEVO7BA Basic Unit: T200-701 4JE-15Y-EVO7 4JE15YEVO7AD Advanced unit: T202-701 4JE-15Y-EVO7-2	2	35	44729	37304	30732	24963	19940	15597
		38	42563	35448	29158	23644	18846	14698
		40	41118	34209	28108	22764	18117	14099
		43	38948	32349	26533	21444	17024	13203
4HE18YEVO7BA Basic Unit: T200-702 4HE-18Y-EVO7 4HE18YEVO7AD Advanced Unit: T202-702 4HE-18Y-EVO7-2	2	35	51259	42950	35562	29048	23352	18406
		38	48761	40815	33759	27544	22112	17396
		40	47092	39387	32553	26539	21285	16722
		43	44581	37241	30741	25028	20042	15712
4GE23YEVO7BA Basic Unit: T200-703 4GE-23Y-EVO7 4GE23YEVO7AD Advanced Unit: T202-703 4GE-23Y-EVO7-2	2	35	58033	48878	40695	33444	27073	21515
		38	55173	46441	38645	31744	25683	20394
		40	53259	44809	37273	30606	24753	19644
		43	50376	42352	35206	28893	23354	18518
4FE28YEVO7BA Basic Unit: T200-704 4FE-28Y-EVO7 4FE28YEVO7AD Advanced Unit: T202-704 4FE-28Y-EVO7-2	2	35	66669	56513	47344	39135	31847	25422
		38	63346	53688	44972	37168	30231	24102
		40	61122	51795	43382	35848	29146	23214
		43	57774	48944	40984	33855	27506	21870
6JE25YEVO7BA Basic Unit: T200-705 6JE-25Y-EVO7 6JE25YEVO7AD Advanced Unit: T202-705 6JE-25Y-EVO7-2	2	35	63232	53023	43921	35875	28821	22685
		38	60174	50383	41666	33972	27234	21374
		40	58135	48622	40164	32704	26176	20501
		43	55077	45982	37910	30803	24592	19194
6HE28YEVO7BA Basic Unit: T200-706 6HE-28Y-EVO7 6HE28YEVO7AD Advanced Unit: T202-706 6HE-28Y-EVO7-2	2	35	71034	59956	49993	41111	33262	26380
		38	67510	56928	47422	38955	31476	24915
		40	65157	54906	45706	37516	30283	23936
		43	61623	51869	43126	35353	28491	22466
6GE34YEVO7BA Basic Unit: T200-707 6GE-34Y-EVO7 6GE34YEVO7AD Advanced Unit: T202-707 6GE-34Y-EVO7-2	2	35	79801	68047	57352	47711	39099	31471
		38	75785	64621	54469	45319	37140	29883
		40	73097	62326	52536	43714	35824	28815
		43	69046	58864	49618	41288	33834	27198
6FE44YEVO7BA Basic unit: T200-708 6FE-44Y-EVO7 6FE44YEVO7AD Advanced Unit: T202-708 6FE-44Y-EVO7-2	2	35	91774	78652	66571	55548	45582	36646
		38	87001	74563	63114	52665	43203	34694
		40	83810	71827	60800	50732	41606	33383
		43	79010	67709	57314	47818	39196	31401

Note: additional cooling maybe required with the use of CRII capacity control - contact Airefrig Australia for further information.

BITZER EVOLUTION EVO7 & EVO8 UNITS

BASIC & ADVANCED Series – EVO8 Units

R404A / R507 Medium Temperature (cont'd)

Performance based on +20°C suction gas Inherent liquid sub-cooling @ 50Hz

Airefrig Part Number	Comp Motor Type	Ambient Temp °C	Refrigeration Capacity (Watts)					
			Evaporating Temperature °C					
			-5	-10	-15	-20	-25	-30
4JE15YEVO8BA Basic Unit: T200-801 4JE-15Y-EVO8 4JE15YEVO8AD Advanced Unit: T202-801 4JE-15Y-EVO8-2	2	35	45750	38051	31267	25338	20196	15768
		38	43558	36174	29678	24008	19094	14863
		40	42093	34921	28618	23120	18359	14260
		43	39895	33040	27026	21788	17258	13357
4HE18YEVO8BA Basic Unit: T200-802 4HE-18Y-EVO8 4HE18YEVO8AD Advanced Unit: T202-802 4HE-18Y-EVO8-2	2	35	52630	43952	36279	29549	23693	18633
		38	50099	41792	34458	28032	22445	17617
		40	48406	40348	33240	27018	21611	16938
		43	45859	38175	31408	25493	20357	15920
4GE23YEVO8BA Basic Unit: T200-803 4GE-23Y-EVO8 4GE23YEVO8AD Advanced Unit: T202-803 4GE-23Y-EVO8-2	2	35	59841	50199	41639	34103	27520	21811
		38	56942	47734	39569	32389	26120	20682
		40	54999	46082	38182	31240	25183	19927
		43	52073	43592	36092	29510	23772	18793
4FE28YEVO8BA Basic Unit: T200-804 4FE-28Y-EVO8 4FE28YEVO8AD Advanced Unit: T202-804 4FE-28Y-EVO8-2	2	35	69121	58310	48632	40037	32464	25836
		38	65741	55445	46233	38052	30837	24508
		40	63477	53525	44625	36720	29744	23614
		43	60068	50631	42197	34708	28090	22262
6JE25YEVO8BA Basic Unit: T200-805 6JE-25Y-EVO8 6JE25YEVO8AD Advanced Unit: T202-805 6JE-25Y-EVO8-2	2	35	65324	54569	45039	36665	29366	23050
		38	62208	51885	42752	34738	27761	21726
		40	60130	50095	41227	33454	26691	20845
		43	57011	47409	38939	31527	25088	19524
6HE28YEVO8BA Basic Unit: T200-806 6HE-28Y-EVO8 6HE28-EVO8AD Advanced Unit: T202-806 6HE-28Y-EVO8-2	2	35	73803	62000	51468	42151	33977	26859
		38	70205	58917	48858	39967	32170	25379
		40	67803	56859	47115	38509	30964	24391
		43	64194	53766	44495	36316	29151	22906
6GE34YEVO8BA Basic Unit: T200-807 6GE-34Y-EVO8 6GE34YEVO8AD Advanced Unit: T202-807 6GE-34Y-EVO8-2	2	35	83440	70732	59288	49073	40033	32096
		38	79344	67249	56365	46654	38056	30497
		40	76603	64916	54407	45032	36730	29422
		43	72471	61398	51451	42581	34723	27795
6FE44YEVO8BA Basic Unit: T200-808 6FE-44Y-EVO8 6FE44YEVO8AD Advanced Unit: T202-808 6FE-44Y-EVO8-2	2	35	96858	82433	69316	57494	46928	37557
		38	91955	78252	65797	54569	44521	35586
		40	88676	75453	63439	52606	42905	34262
		43	83739	71237	59884	49645	40463	32259

Note: additional cooling maybe required with the use of CRII capacity control - contact Airefrig Australia for further information.

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO7 Units

R134A Medium Temperature

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number:		4JE15YEVO7PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		4JE-15Y-FGU+38-EVO7-2 / T202-751								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		20610	16933	13734	10975	8616	6613	4920	
	38		19829	16277	13189	10526	8249	6312	4670	
	40		19312	15842	12827	10229	8005	6112	4504	
	43		18539	15193	12288	9785	7641	5814	4255	
50Hz	35		39906	33020	26957	21667	17095	13175	9832	
	38		38375	31727	25876	20774	16361	12571	9330	
	40		37359	30869	25160	20181	15874	12171	8996	
	43		35840	29586	24089	19295	15146	11571	8495	
70Hz	35		51829	43060	35297	28490	22572	17464	13075	
	38		49827	41358	33867	27300	21590	16655	12402	
	40		48499	40230	32919	26512	20939	16117	11953	
	43		46515	38544	31502	25332	19964	15312	11281	

Airefrig Part Number:		4HE18YEVO7PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		4HE-18Y-FHU+45-EVO7-2 / T202-754								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		24073	19831	16138	12951	10226	7911	5956	
	38		23175	19077	15513	12439	9809	7573	5678	
	40		22577	18575	15097	12098	9532	7348	5495	
	43		21678	17822	14472	11586	9117	7013	5222	
50Hz	35		46226	38403	31493	25450	20216	15719	11880	
	38		44459	36913	30252	24429	19383	15042	11324	
	40		43280	35919	29425	23749	18829	14592	10957	
	43		41510	34428	28185	22730	18000	13921	10409	
70Hz	35		59692	49822	41055	33344	26620	20800	15779	
	38		57383	47862	39413	31985	25507	19894	15039	
	40		55843	46556	38319	31080	24768	19293	14549	
	43		53534	44597	36679	29725	23661	18394	13817	

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO7 Units

R134A Medium Temperature (cont'd)

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number:		4GE23YEVO7PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		4GE-23Y-FHU+60-EVO7-2 / T202-758								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		27043	22281	18126	14533	11451	8825	6597	
	38		25981	21383	17377	13918	10952	8426	6279	
	40		25267	20778	16872	13501	10613	8153	6061	
	43		24189	19864	16106	12868	10097	7737	5728	
50Hz	35		51315	42693	35051	28340	22500	17456	13120	
	38		49211	40902	33547	27096	21486	16641	12472	
	40		47803	39701	32537	26258	20802	16088	12029	
	43		45686	37893	31013	24993	19764	15249	11355	
70Hz	35		65667	54926	45351	36890	29474	23012	17394	
	38		62927	52570	43353	35223	28107	21909	16517	
	40		61101	50997	42017	34106	27186	21163	15920	
	43		58365	48638	40011	32425	25798	20034	15012	

Airefrig Part Number:		4FE28YEVO7PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		4FE-28Y-FHU+73-EVO7-2 / T202-760								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		32328	26716	21828	17615	14023	10987	8442	
	38		31175	25755	21038	16974	13506	10571	8102	
	40		30404	25113	20510	16545	13160	10293	7874	
	43		29246	24147	19715	15898	12639	9872	7529	
50Hz	35		60903	50926	42058	34268	27505	21698	16756	
	38		58645	49031	40490	32988	26470	20862	16071	
	40		57137	47765	39443	32132	25777	20302	15612	
	43		54874	45864	37867	30844	24733	19458	14920	
70Hz	35		77594	65309	54296	44537	35986	28569	22177	
	38		74673	62833	52227	42832	34598	27443	21257	
	40		72727	61183	50848	41695	33670	26689	20641	
	43		69811	58709	48778	39986	32274	25555	19710	

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO7 Units

R134A

Medium Temperature (cont'd)

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number:		6JE25YEVO7PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		6JE-25Y-FHU+60-EVO7-2 / T202-762								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		29839	24505	19864	15867	12462	9587	7179	
	38		28680	23530	19051	15196	11910	9132	6796	
	40		27905	22877	18508	14747	11540	8827	6540	
	43		26741	21897	17690	14072	10985	8369	6156	
50Hz	35		56267	46711	38238	30813	24383	18875	14200	
	38		54002	44793	36631	29480	23283	17965	13434	
	40		52491	43512	35559	28590	22548	17357	12924	
	43		50224	41590	33948	27254	21446	16445	12158	
70Hz	35		71750	59915	49342	40006	31854	24806	18753	
	38		68823	57412	47228	38238	30387	23589	17733	
	40		66874	55746	45819	37060	29409	22778	17052	
	43		63957	53252	43711	35297	27944	21562	16033	

Airefrig Part Number:		6HE28YEVO7PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		6HE-28Y-FHU+73-EVO7-2 / T202-764								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		34640	28561	23255	18671	14754	11437	8650	
	38		33324	27456	22337	17915	14135	10929	8225	
	40		32445	26717	21722	17410	13720	10589	7941	
	43		31122	25605	20798	16649	13098	10077	7515	
50Hz	35		64587	53927	44414	36025	28718	22423	17052	
	38		62029	51762	42603	34527	27486	21409	16203	
	40		60322	50316	41394	33527	26664	20732	15637	
	43		57761	48147	39579	32025	25429	19716	14787	
70Hz	35		81778	68717	56972	46533	37359	29374	22468	
	38		78499	65911	54600	44551	35717	28018	21337	
	40		76318	64043	53020	43231	34624	27113	20583	
	43		73053	61247	50656	41254	32985	25758	19452	

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO7 Units

R134A Medium Temperature (cont'd)

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number:		6GE34YEVO7PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		6GE-34Y-FJU+87-EVO7-2 / T202-766								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		39100	32364	26459	21339	16950	13227	10094	
	38		37595	31108	25423	20494	16264	12667	9627	
	40		36591	30269	24731	19929	15805	12292	9314	
	43		35084	29010	23692	19080	15115	11729	8843	
50Hz	35		71898	60419	50079	40885	32817	25825	19831	
	38		69012	57982	48051	39217	31455	24709	18897	
	40		67090	56359	46699	38105	30546	23964	18273	
	43		64212	53928	44674	36437	29182	22845	17336	
70Hz	35		90140	76372	63829	52547	42525	33723	26056	
	38		86468	73234	61186	50350	40714	32232	24811	
	40		84030	71150	59430	48888	39509	31237	23979	
	43		80388	68037	56805	46703	37704	29747	22730	

Airefrig Part Number:		6FE44YEVO7PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		6FE-44Y-FJU+105-EVO7-2 / T202-768								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		46156	38354	31478	25488	20329	15933	12219	
	38		44391	36878	30260	24494	19523	15276	11673	
	40		43213	35893	29446	23830	18984	14837	11306	
	43		41446	34414	28225	22832	18173	14176	10755	
50Hz	35		83294	70443	58756	48265	38975	30855	23838	
	38		79951	67611	56391	46317	37383	29551	22748	
	40		77726	65726	54816	45018	36320	28680	22020	
	43		74397	62903	52458	43072	34727	27373	20926	
70Hz	35		103030	88026	74164	61523	50146	40035	31139	
	38		98807	84404	71103	58972	48042	38300	29688	
	40		96004	81999	69071	57277	46641	37144	28719	
	43		91819	78409	66035	54744	44546	35413	27266	

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO8 Units

R134A Medium Temperature

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number:		4JE15YEVO8PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		4JE-15Y-FGU+38-EVO8-2 / T202-851								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		20795	17064	13825	11037	8657	6639	4937	
	38		20009	16404	13277	10586	8288	6338	4687	
	40		19488	15967	12914	10288	8044	6138	4521	
	43		18710	15314	12372	9842	7679	5839	4271	
50Hz	35		40641	33546	27324	21918	17263	13285	9904	
	38		39090	32237	26233	21017	16524	12678	9399	
	40		38060	31369	25509	20420	16034	12276	9064	
	43		36521	30072	24428	19527	15301	11673	8561	
70Hz	35		53124	43994	35956	28944	22878	17667	13207	
	38		51086	42266	34507	27741	21887	16852	12530	
	40		49734	41119	33546	26944	21230	16310	12079	
	43		47716	39408	32111	25752	20247	15499	11403	

Airefrig Part Number:		4HE18YEVO8PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		4HE-18Y-FHU+45-EVO8-2 / T202-854								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		24323	20008	16260	13035	10281	7948	5979	
	38		23419	19250	15632	12520	9862	7608	5701	
	40		22817	18745	15214	12177	9584	7383	5517	
	43		21913	17988	14587	11664	9168	7046	5243	
50Hz	35		47217	39111	31987	25788	20441	15866	11975	
	38		45427	37604	30735	24758	19602	15185	11416	
	40		44234	36600	29900	24072	19044	14732	11046	
	43		42442	35092	28648	23045	18209	14057	10495	
70Hz	35		61433	51077	41940	33953	27030	21069	15953	
	38		59084	49088	40276	32578	25906	20155	15207	
	40		57518	47763	39169	31664	25159	19549	14713	
	43		55170	45775	37509	30294	24041	18642	13976	

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO8 Units

R134A Medium Temperature (cont'd)

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number:		4GE23YEVO8PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		4GE-23Y-FHU+60-EVO8-2 / T202-858								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		27376	22517	18290	14644	11524	8872	6625	
	38		26310	21617	17540	14028	11025	8472	6308	
	40		25593	21010	17033	13610	10686	8200	6090	
	43		24508	20092	16265	12976	10169	7783	5756	
50Hz	35		52639	43646	35719	28796	22801	17649	13240	
	38		50510	41838	34205	27547	21786	16834	12591	
	40		49083	40625	33187	26704	21098	16280	12148	
	43		46935	38795	31649	25429	20055	15437	11472	
70Hz	35		67983	56614	46550	37718	30028	23370	17615	
	38		65189	54221	44529	36038	28654	22263	16738	
	40		63324	52621	43175	34909	27727	21514	16139	
	43		60526	50218	41138	33207	26326	20377	15227	

Airefrig Part Number:		4FE28YEVO8PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		4FE-28Y-FHU+73-EVO8-2 / T202-860								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		32769	27025	22040	17758	14117	11049	8482	
	38		31607	26058	21247	17114	13599	10632	8141	
	40		30830	25412	20716	16683	13252	10353	7913	
	43		29664	24441	19918	16035	12729	9931	7568	
50Hz	35		62627	52154	42911	34846	27889	21949	16920	
	38		60334	50235	41327	33556	26847	21109	16233	
	40		58804	48953	40269	32693	26150	20546	15772	
	43		56505	47028	38678	31395	25100	19698	15076	
70Hz	35		80586	67468	55815	45580	36686	29030	22478	
	38		77600	64947	53716	43856	35285	27896	21553	
	40		75611	63266	52316	42704	34348	27137	20933	
	43		72628	60745	50214	40975	32940	25994	19997	

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO8 Units

R134A

Medium Temperature (cont'd)

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number:		6JE25YEVO8PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		6JE-25Y-FHU+60-EVO8-2 / T202-862								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		30242	24790	20061	16001	12551	9646	7218	
	38		29075	23809	19244	15327	11997	9189	6834	
	40		28294	23152	18698	14876	11626	8883	6577	
	43		27120	22165	17876	14198	11069	8424	6192	
50Hz	35		57839	47836	39025	31351	24744	19114	14357	
	38		55538	45891	37400	30005	23635	18197	13586	
	40		54002	44593	36314	29106	22894	17584	13071	
	43		51695	42643	34684	27756	21781	16665	12300	
70Hz	35		74471	61886	50738	40971	32508	25241	19038	
	38		71474	59333	48587	39178	31023	24011	18008	
	40		69478	57632	47154	37983	30032	23190	17321	
	43		66488	55083	45006	36191	28547	21960	16290	

Airefrig Part Number:		6HE28YEVO8PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		6HE-28Y-FHU+73-EVO8-2 / T202-864								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		35175	28939	23517	18849	14872	11516	8702	
	38		33848	27827	22593	18090	14251	11005	8276	
	40		32961	27083	21976	17582	13835	10664	7991	
	43		31628	25963	21046	16817	13210	10151	7563	
50Hz	35		66654	55410	45454	36738	29197	22740	17261	
	38		64050	53212	43620	35224	27954	21718	16406	
	40		62311	51744	42395	34213	27124	21035	15835	
	43		59701	49540	40556	32694	25877	20010	14979	
70Hz	35		85320	71296	58806	47807	38225	29951	22848	
	38		81954	68426	56388	45793	36561	28579	21706	
	40		79712	66514	54778	44452	35452	27664	20943	
	43		76356	63651	52365	42440	33789	26291	19800	

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO8 Units

R134A

Medium Temperature (cont'd)

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number:		6GE34YEVO8PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		6GE-34Y-FJU+87-EVO8-2 / T202-866								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		39799	32857	26798	21568	17102	13326	10160	
	38		38279	31590	25756	20719	16413	12765	9692	
	40		37264	30744	25059	20151	15953	12389	9378	
	43		35741	29474	24012	19297	15260	11824	8906	
50Hz	35		74552	62324	51413	41797	33428	26229	20098	
	38		71599	59841	49354	40109	32052	25104	19158	
	40		69632	58186	47981	38982	31134	24352	18530	
	43		66684	55706	45922	37292	29755	23223	17584	
70Hz	35		94639	79655	66166	54169	43625	34456	26541	
	38		90843	76429	63462	51930	41787	32947	25284	
	40		88321	74285	61663	50440	40563	31940	24443	
	43		84551	71079	58973	48210	38728	30430	23180	

Airefrig Part Number:		6FE44YEVO8PR								
Compressor Motor Type:		Motor 2								
Bitzer Unit Model / Code:		6FE-44Y-FJU+105-EVO8-2 / T202-868								
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)								
		Evaporating Temperature °C								
		10	5	0	-5	-10	-15	-20	-25	-30
25Hz	35		47135	39046	31957	25812	20545	16076	12314	
	38		45348	37556	30730	24813	19735	15417	11766	
	40		44155	36561	29910	24144	19194	14976	11399	
	43		42365	35066	28678	23140	18379	14312	10845	
50Hz	35		86928	73075	60613	49544	39837	31429	24220	
	38		83492	70178	58205	47567	38226	30112	23122	
	40		81205	68248	56600	46249	37151	29233	22387	
	43		77778	65357	54195	44271	35537	27911	21283	
70Hz	35		109113	92512	77386	63777	51688	41070	31830	
	38		104719	88767	74240	61169	49545	39311	30363	
	40		101801	86278	72148	59434	48118	38137	29382	
	43		97441	82559	69022	56838	45981	36377	27909	

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO7 Units

R404A / R507 Medium Temperature

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number:		4JE22YEVO7PR			
Compressor Motor Type:		Motor 1			
Bitzer Unit Model / Code:		4JE-22Y-FHU+45-EVO7-2 / T202-753			
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	22891	18890	15394	12363
	38	21765	17935	14593	11696
	40	21011	17296	14057	11251
	43	19877	16335	13250	10582
50Hz	35	44096	36658	30078	24304
	38	41866	34761	28480	22973
	40	40376	33493	27413	22085
	43	38134	31586	25809	20751
60Hz	35	51248	42659	35064	28401
	38	48662	40441	33181	26820
	40	46938	38962	31927	25767
	43	44354	36747	30048	24191

Airefrig Part Number:		4HE25YEVO7PR			
Compressor Motor Type:		Motor 1			
Bitzer Unit Model / Code:		4HE-25Y-FHU+60-EVO7-2 / T202-756			
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	26650	22092	18099	14628
	38	25354	20999	17186	13874
	40	24486	20265	16574	13369
	43	23176	19159	15651	12607
50Hz	35	50874	42548	35142	28613
	38	48314	40376	33323	27106
	40	46600	38922	32105	26098
	43	44017	36732	30270	24580
60Hz	35	58939	49372	40866	33365
	38	55976	46838	38724	31576
	40	53999	45146	37295	30383
	43	51030	42607	35149	28592

Airefrig Part Number:		4GE30YEVO7PR			
Compressor Motor Type:		Motor 1			
Bitzer Unit Model / Code:		4GE-30Y-FHU+73-EVO7-2 / T202-759			
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	30314	25192	20694	16774
	38	28826	23939	19651	15918
	40	27826	23097	18951	15343
	43	26316	21825	17894	14475
50Hz	35	57273	48095	39890	32619
	38	54339	45611	37815	30909
	40	52372	43946	36424	29763
	43	49408	41435	34327	28035
60Hz	35	66113	55626	46252	37943
	38	62728	52734	43814	35915
	40	60466	50802	42185	34560
	43	57068	47899	39737	32524

Airefrig Part Number:		4FE35YEVO7PR			
Compressor Motor Type:		Motor 1			
Bitzer Unit Model / Code:		4FE-35Y-FHU+73-EVO7-2 / T202-761			
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	35687	29862	24709	20187
	38	33952	28411	23511	19208
	40	32788	27437	22706	18549
	43	31029	25964	21487	17551
50Hz	35	66466	56344	47181	38959
	38	63064	53478	44798	37002
	40	60784	51555	43198	35686
	43	57344	48652	40780	33695
60Hz	35	76390	64907	54510	45174
	38	72485	61583	51718	42856
	40	69875	59360	49848	41302
	43	65950	56014	47031	38957

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO7 Units

R404A / R507 Medium Temperature (cont'd)

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number: 6JE33YEVO7PR					
Compressor Motor Type: Motor 1					
Bitzer Unit Model / Code: 6JE-33Y-FHU+73-EVO7-2 / T202-763					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	33034	27322	22312	17953
	38	31417	25943	21148	16979
	40	30335	25021	20369	16329
	43	28708	23633	19199	15352
50Hz	35	62005	51794	42695	34657
	38	58860	49092	40399	32727
	40	56761	47289	38868	31440
	43	53609	44583	36570	29510
60Hz	35	71505	59833	49430	40236
	38	67891	56704	46750	37964
	40	65484	54620	44965	36453
	43	61880	51500	42294	34191

Airefrig Part Number: 6HE35YEVO7PR					
Compressor Motor Type: Motor 1					
Bitzer Unit Model / Code: 6HE-35Y-FJU+87-EVO7-2 / T202-765					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	38001	31628	26009	21096
	38	36140	30051	24689	20002
	40	34894	28996	23805	19270
	43	33019	27408	22475	18169
50Hz	35	70376	59313	49349	40455
	38	66762	56231	46752	38293
	40	64346	54169	45015	36848
	43	60709	51065	42400	34671
60Hz	35	80716	68184	56891	46803
	38	76577	64620	53859	44254
	40	73817	62243	51837	42554
	43	69676	58676	48801	40001

Airefrig Part Number: 6GE40YEVO7PR					
Compressor Motor Type: Motor 1					
Bitzer Unit Model / Code: 6GE-40Y-FJU+105-EVO7-2 / T202-767					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	42640	35646	29446	23997
	38	40508	33850	27953	22769
	40	39081	32649	26953	21948
	43	36933	30838	25446	20708
50Hz	35	77763	65976	55262	45613
	38	73666	62489	52335	43188
	40	70926	60157	50376	41563
	43	66802	56643	47422	39113
60Hz	35	88832	75577	63511	52624
	38	84150	71556	60103	49774
	40	81023	68869	57825	47868
	43	76322	64828	54396	44994

Airefrig Part Number: 6FE50YEVO7PR					
Compressor Motor Type: Motor 1					
Bitzer Unit Model / Code: 6FE-50Y-FJU+145-EVO7-2 / T202-769					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	50794	42675	35419	28990
	38	48228	40517	33627	27518
	40	46507	39069	32424	26529
	43	43912	36883	30606	25033
50Hz	35	90381	77378	65353	54339
	38	85482	73211	61858	51444
	40	82205	70421	59515	49503
	43	77271	66217	55983	46572
60Hz	35	102141	87838	74552	62321
	38	96562	83046	70492	58925
	40	92838	79846	67779	56653
	43	87247	75037	63699	53233

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO8 Units

R404A / R507 Medium Temperature

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number:		4JE22YEVO8PR			
Compressor Motor Type:		Motor 1			
Bitzer Unit Model / Code:		4JE-22Y-FHU+45-EVO8-2 / T202-853			
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	23148	19075	15524	12453
	38	22015	18115	14719	11784
	40	21257	17473	14181	11337
	43	20116	16506	13371	10665
50Hz	35	45127	37405	30607	24671
	38	42870	35487	28994	23329
	40	41360	34204	27917	22433
	43	39089	32275	26296	21086
60Hz	35	52670	43697	35806	28920
	38	50041	41446	33899	27321
	40	48288	39946	32628	26256
	43	45659	37697	30724	24661

Airefrig Part Number:		4HE25YEVO8PR			
Compressor Motor Type:		Motor 1			
Bitzer Unit Model / Code:		4HE-25Y-FHU+60-EVO8-2 / T202-856			
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	26996	22341	18274	14748
	38	25693	21242	17357	13992
	40	24819	20504	16742	13484
	43	23500	19392	15815	12720
50Hz	35	52255	43548	35851	29104
	38	49661	41352	34015	27585
	40	47922	39881	32784	26568
	43	45303	37663	30930	25036
60Hz	35	60835	50758	41858	34059
	38	57820	48185	39688	32250
	40	55806	46467	38239	31043
	43	52781	43886	36063	29229

Airefrig Part Number:		4GE30YEVO8PR			
Compressor Motor Type:		Motor 1			
Bitzer Unit Model / Code:		4GE-30Y-FHU+73-EVO8-2 / T202-859			
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	30770	25519	20923	16932
	38	29271	24259	19876	16072
	40	28265	23412	19172	15495
	43	26743	22132	18109	14623
50Hz	35	59074	49400	40815	33259
	38	56097	46886	38719	31533
	40	54100	45199	37312	30376
	43	51087	42654	35191	28632
60Hz	35	68576	57428	47542	38844
	38	65123	54488	45070	36792
	40	62815	52522	43416	35419
	43	59345	49566	40930	33356

Airefrig Part Number:		4FE35YEVO8PR			
Compressor Motor Type:		Motor 1			
Bitzer Unit Model / Code:		4FE-35Y-FHU+73-EVO8-2 / T202-861			
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	36322	30316	25028	20406
	38	34574	28857	23824	19423
	40	33400	27877	23015	18762
	43	31628	26395	21791	17760
50Hz	35	68952	58149	48461	39846
	38	65493	55244	46053	37872
	40	63174	53295	44436	36545
	43	59673	50350	41990	34536
60Hz	35	79768	67387	56290	46422
	38	75777	64004	53457	44077
	40	73109	61739	51559	42504
	43	69093	58329	48698	40130

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO8 Units

R404A / R507 Medium Temperature (cont'd)

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number: 6JE33YEVO8PR		Performance based on T202-863			
Compressor Motor Type: Motor 1					
Bitzer Unit Model / Code: 6JE-33Y-FHU+73-EVO8-2 / T202-863					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	33573	27713	22589	18146
	38	31942	26323	21417	17167
	40	30851	25393	20634	16512
	43	29208	23995	19455	15529
50Hz	35	64104	53333	43799	35431
	38	60898	50585	41469	33475
	40	58757	48750	39914	32171
	43	55541	45996	37580	30215
60Hz	35	74361	61945	50959	41317
	38	70657	58748	48227	39007
	40	68190	56618	46408	37470
	43	64494	53427	43683	35168

Airefrig Part Number:		6HE35YEVO8PR			
Compressor Motor Type:		Motor 1			
Bitzer Unit Model / Code:		6HE-35Y-FJU+87-EVO8-2 / T202-865			
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	38724	32151	26380	21353
	38	36844	30561	25050	20252
	40	35587	29497	24160	19516
	43	33693	27895	22820	18408
50Hz	35	73169	61359	50814	41480
	38	69481	58223	48179	39291
	40	67014	56125	46416	37827
	43	63301	52966	43762	35623
60Hz	35	84498	70984	58919	48237
	38	80249	67338	55827	45645
	40	77416	64906	53765	43916
	43	73163	61256	50668	41320

Airefrig Part Number:		6GE40YEVO8PR			
Compressor Motor Type:		Motor 1			
Bitzer Unit Model / Code:		6GE-40Y-FJU+105-EVO8-2 / T202-867			
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	43581	36325	29925	24328
	38	41423	34511	28420	23092
	40	39980	33298	27413	22265
	43	37807	31470	25894	21018
50Hz	35	81332	68597	57140	46927
	38	77138	65040	54165	44469
	40	74333	62662	52174	42823
	43	70111	59079	49173	40341
60Hz	35	93646	79147	66097	54453
	38	88827	75026	62619	51554
	40	85610	72274	60295	49616
	43	80775	68135	56797	46696

Airefrig Part Number:		6FE50YEVO8PR			
Compressor Motor Type:		Motor 1			
Bitzer Unit Model / Code:		6FE-50Y-FJU+145-EVO8-2 / T202-869			
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-5	-10	-15	-20
25Hz	35	52162	43662	36117	29473
	38	49563	41482	34310	27991
	40	47820	40019	33097	26996
	43	45190	37810	31264	25490
50Hz	35	95485	81140	68057	56235
	38	90449	76877	64497	53297
	40	87077	74021	62110	51325
	43	81997	69714	58507	48346
60Hz	35	108974	92933	78259	64952
	38	103192	87996	74098	61486
	40	99332	84697	71315	59166
	43	93530	79736	67127	55671

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO7 Units

R404A / R507 Low Temperature

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number: 4JE15YEVO7PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 4JE-15Y-FGU+38-EVO7-2 / T202-751					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	12476	9914	7720	
	38	11812	9366	7271	
	40	11368	9000	6972	
	43	10702	8451	6523	
50Hz	35	24505	19582	15326	
	38	23178	18483	14424	
	40	22294	17749	13823	
	43	20966	16650	12922	
60Hz	35	32115	25714	20185	
	38	30371	24252	18975	
	40	29210	23280	18170	
	43	27474	21827	16968	

Airefrig Part Number: 4HE18YEVO7PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 4HE-18Y-FHU+45-EVO7-2 / T202-754					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	14595	11660	9140	
	38	13837	11038	8635	
	40	13330	10622	8298	
	43	12566	9996	7791	
50Hz	35	28508	22928	18084	
	38	26995	21681	17069	
	40	25983	20848	16391	
	43	24463	19597	15374	
60Hz	35	37232	30011	23752	
	38	35248	28358	22391	
	40	33927	27255	21485	
	43	31945	25604	20128	

Airefrig Part Number: 4GE23YEVO7PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 4GE-23Y-FHU+60-EVO7-2 / T202-758					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	16901	13579	10720	
	38	16045	12881	10158	
	40	15470	12413	9782	
	43	14602	11707	9216	
50Hz	35	32814	26575	21135	
	38	31103	25175	20005	
	40	29956	24237	19250	
	43	28230	22827	18114	
60Hz	35	42698	34668	27679	
	38	40463	32815	26166	
	40	38970	31577	25157	
	43	36728	29718	23642	

Airefrig Part Number: 4FE28YEVO7PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 4FE-28Y-FHU+73-EVO7-2 / T202-760					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	19934	16081	12742	
	38	18941	15270	12081	
	40	18273	14723	11637	
	43	17262	13896	10962	
50Hz	35	38397	31262	24970	
	38	36415	29634	23641	
	40	35084	28540	22747	
	43	33074	26886	21394	
60Hz	35	49660	40556	32541	
	38	47072	38399	30758	
	40	45340	36952	29560	
	43	42728	34769	27751	

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO7 Units

R404A / R507 Low Temperature (cont'd)

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number: 6JE25YEVO7PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 6JE-25Y-FHU+60-EVO7-2 / T202-762					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	18235	14541	11368	
	38	17267	13738	10708	
	40	16621	13202	10268	
	43	15650	12397	9608	
50Hz	35	35202	28295	22285	
	38	33289	26699	20969	
	40	32013	25635	20092	
	43	30099	24041	18779	
60Hz	35	45561	36747	29071	
	38	43066	34641	27316	
	40	41408	33242	26150	
	43	38930	31152	24409	

Airefrig Part Number: 6HE28YEVO7PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 6HE-28Y-FHU+73-EVO7-2 / T202-764					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	21059	16885	13284	
	38	19960	15979	12545	
	40	19225	15374	12051	
	43	18118	14463	11308	
50Hz	35	40330	32647	25911	
	38	38160	30849	24437	
	40	36711	29649	23453	
	43	34532	27844	21974	
60Hz	35	51946	42210	33665	
	38	49122	39840	31702	
	40	47239	38260	30393	
	43	44415	35890	28429	

Airefrig Part Number: 6GE34YEVO7PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 6GE-34Y-FJU+87-EVO7-2 / T202-766					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	24621	19955	15908	
	38	23404	18965	15109	
	40	22588	18300	14573	
	43	21354	17294	13760	
50Hz	35	46788	38363	30901	
	38	44375	36387	29300	
	40	42756	35060	28223	
	43	40307	33050	26590	
60Hz	35	59867	49362	40020	
	38	56712	46745	37877	
	40	54598	44989	36437	
	43	51406	42335	34257	

Airefrig Part Number: 6FE44YEVO7PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 6FE-44Y-FJU+105-EVO7-2 / T202-768					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	29109	23577	18744	
	38	27633	22368	17759	
	40	26640	21555	17095	
	43	25140	20324	16090	
50Hz	35	54456	44714	35974	
	38	51549	42316	34009	
	40	49600	40706	32688	
	43	46659	38274	30691	
60Hz	35	68994	56950	46130	
	38	65244	53804	43516	
	40	62735	51696	41762	
	43	58957	48518	39114	

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO8 Units

R404A / R507 Low Temperature

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number: 4JE15YEVO8PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 4JE-15Y-FGU+38-EVO8-2 / T202-851					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	12567	9977	7761	
	38	11900	9427	7311	
	40	11455	9059	7011	
	43	10786	8508	6561	
50Hz	35	24877	19836	15496	
	38	23539	18729	14587	
	40	22647	17990	13982	
	43	21307	16882	13075	
60Hz	35	32784	26177	20497	
	38	31017	24699	19274	
	40	29842	23716	18462	
	43	28083	22245	17247	

Airefrig Part Number: 4HE18YEVO8PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 4HE-18Y-FHU+45-EVO8-2 / T202-854					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	14717	11743	9195	
	38	13957	11120	8689	
	40	13447	10702	8350	
	43	12680	10074	7842	
50Hz	35	29006	23267	18310	
	38	27480	22012	17288	
	40	26459	21172	16605	
	43	24924	19910	15581	
60Hz	35	38122	30627	24166	
	38	36114	28955	22792	
	40	34774	27840	21876	
	43	32765	26168	20504	

Airefrig Part Number: 4GE23YEVO8PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 4GE-23Y-FHU+60-EVO8-2 / T202-858					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	17062	13688	10792	
	38	16203	12988	10229	
	40	15626	12519	9852	
	43	14754	11810	9284	
50Hz	35	33468	27020	21430	
	38	31743	25610	20293	
	40	30587	24666	19532	
	43	28844	23243	18388	
60Hz	35	43865	35474	28218	
	38	41601	33599	26691	
	40	40089	32347	25671	
	43	37815	30465	24140	

Airefrig Part Number: 4FE28YEVO8PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 4FE-28Y-FHU+73-EVO8-2 / T202-860					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	20156	16232	12843	
	38	19159	15418	12181	
	40	18489	14871	11735	
	43	17474	14041	11059	
50Hz	35	39295	31877	25382	
	38	37295	30237	24045	
	40	35951	29135	23146	
	43	33922	27468	21784	
60Hz	35	51253	41665	33294	
	38	48631	39484	31495	
	40	46875	38021	30286	
	43	44225	35812	28459	

BITZER EVOLUTION EVO7 & EVO8 UNITS

PREMIUM Series – EVO8 Units

R404A / R507 Low Temperature (cont'd)

Performance based on +20°C suction gas & inherent liquid sub-cooling

Airefrig Part Number: 6JE25YEVO8PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 6JE-25Y-FHU+60-EVO8-2 / T202-862					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	18431	14675	11458	
	38	17457	13868	10795	
	40	16807	13330	10353	
	43	15831	12521	9690	
50Hz	35	35987	28836	22648	
	38	34050	27223	21319	
	40	32757	26147	20433	
	43	30818	24534	19106	
60Hz	35	46954	37720	29730	
	38	44411	35579	27949	
	40	42721	34156	26766	
	43	40194	32029	24998	

Airefrig Part Number: 6HE28YEVO8PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 6HE-28Y-FHU+73-EVO8-2 / T202-864					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	21318	17062	13403	
	38	20212	16152	12660	
	40	19473	15543	12164	
	43	18360	14628	11418	
50Hz	35	41363	33358	26387	
	38	39166	31540	24899	
	40	37697	30326	23905	
	43	35489	28500	22411	
60Hz	35	53774	43484	34528	
	38	50896	41075	32537	
	40	48977	39468	31209	
	43	46098	37058	29216	

Airefrig Part Number: 6GE34YEVO8PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 6GE-34Y-FJU+87-EVO8-2 / T202-866					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	24960	20186	16062	
	38	23737	19192	15261	
	40	22917	18525	14723	
	43	21677	17515	13909	
50Hz	35	48143	39294	31524	
	38	45704	37301	29912	
	40	44068	35962	28828	
	43	41595	33937	27186	
60Hz	35	62269	51035	41153	
	38	59066	48385	38989	
	40	56919	46608	37535	
	43	53680	43922	35335	

Airefrig Part Number: 6FE44YEVO8PR					
Compressor Motor Type: Motor 2					
Bitzer Unit Model / Code: 6FE-44Y-FJU+105-EVO8-2 / T202-868					
Inverter Output	Ambient Temp °C	Refrigeration Capacity (Watts)			
		Evaporating Temperature °C			
		-15	-20	-25	-30
25Hz	35	29601	23914	18970	
	38	28116	22699	17982	
	40	27117	21882	17316	
	43	25607	20645	16307	
50Hz	35	56393	46054	36880	
	38	53444	43628	34897	
	40	51465	41999	33564	
	43	48478	39536	31546	
60Hz	35	72368	59328	47764	
	38	68536	56125	45112	
	40	65971	53979	43331	
	43	62107	50740	40641	

BITZER EVOLUTION EVO7 & EVO8 UNITS

Condensing Unit Weights

Basic Units	
Airefrig Part Number	Unit Weight (kg)
4JE15YEVO7BA	1307
4HE18YEVO7BA	1308
4GE23YEVO7BA	1315
4FE28YEVO7BA	1316
6JE25YEVO7BA	1336
6HE28YEVO7BA	1339
6GE34YEVO7BA	1342
6FE44YEVO7BA	1345

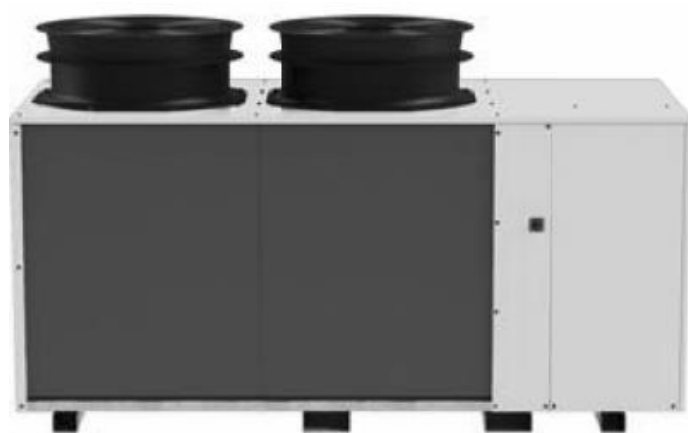
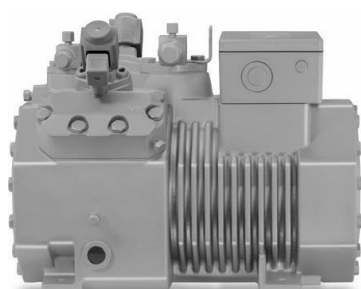
Advanced Units	
Airefrig Part Number	Unit Weight (kg)
4JE15YEVO7AD	1310
4HE18YEVO7AD	1311
4GE23YEVO7AD	1318
4FE28YEVO7AD	1319
6JE25YEVO7AD	1339
6HE28YEVO7AD	1342
6GE34YEVO7AD	1345
6FE44YEVO7AD	1348

Premium Units	
Airefrig Part Number	Unit Weight (kg)
4JE15YEVO7PR	1318
4HE18YEVO7PR	1319
4GE23YEVO7PR	1328
4FE28YEVO7PR	1329
6JE25YEVO7PR	1349
6HE28YEVO7PR	1357
6GE34YEVO7PR	1368
6FE44YEVO7PR	1371

4JE15YEVO8BA	1319
4HE18YEVO8BA	1320
4GE23YEVO8BA	1326
4FE28YEVO8BA	1327
6JE25YEVO8BA	1347
6HE28YEVO8BA	1350
6GE34YEVO8BA	1353
6FE44YEVO8BA	1356

4JE15YEVO8AD	1322
4HE18YEVO8AD	1323
4GE23YEVO8AD	1329
4FE28YEVO8AD	1330
6JE25YEVO8AD	1350
6HE28YEVO8AD	1353
6GE34YEVO8AD	1356
6FE44YEVO8AD	1359

4JE15YEVO8PR	1329
4HE18YEVO8PR	1330
4GE23YEVO8PR	1339
4FE28YEVO8PR	1340
6JE25YEVO8PR	1360
6HE28YEVO8PR	1368
6GE34YEVO8PR	1379
6FE44YEVO8PR	1382



4JE22YEVO7PR	1318
4HE25YEVO7PR	1319
4GE30YEVO7PR	1328
4FE35YEVO7PR	1329
6JE33YEVO7PR	1349
6HE35YEVO7PR	1357
6GE40YEVO7PR	1368
6FE50YEVO7PR	1371

4JE22YEVO8PR	1329
4HE25YEVO8PR	1330
4GE30YEVO8PR	1339
4FE35YEVO8PR	1340
6JE33YEVO8PR	1360
6HE35YEVO8PR	1368
6GE40YEVO8PR	1379
6FE50YEVO8PR	1382

BITZER EVOLUTION EVO7 & EVO8 UNITS

Compressor Specifications

Compressor Model	Motor Version	Compressor Motor Connection (Volts)	Maximum Operating Current (Amps)	Maximum Power Consumption (kW)	Compressor Weight (Kg)	Oil Charge (Litres)	Crankcase Heater	EVO Suction Line Size Inlet
4JE-15Y	2	P.W.S. 380..420V YY/3/50	30.8	19.0	190	4.0	0 .. 140W Heater (240/1/50)	1-5/8"
4JE-22Y	1		37.2	21.0	190			
4HE-18Y	2		36.7	22.0	190			
4HE-25Y	1		44.0	25.0	194	4.5		2-1/8"
4GE-23Y	2		43.9	27.0	192			
4GE-30Y	1		51.2	28.0	206			
4FE-28Y	2		52.8	31.0	207			
4FE-35Y	1		62.1	35.0	207	4.75		
6JE-25Y	2		46.4	27.0	228			
6JE-33Y	1		53.2	30.0	231			
6HE-28Y	2		53.2	33.0	228			
6HE-35Y	1		64.4	36.0	235			
6GE-34Y	2		65.5	40.0	228			
6GE-40Y	1		73.9	42.0	238			
6FE-44Y	2		83.2	46.0	241			
6FE-50Y	1	P.W.S. 380..400V YY/3/50	96.2	51.0	241			

Note: For total unit power consumption add compressor and condensing unit values together.

Condenser Data

Model	Number of EC Fans	Fan Voltage	Fan Total Amps	Fan Total KW	Condenser Airflow (L/S)
EVO7	2 x 800mm EC fans	415 / 3 / 50Hz	8.8	5.6	10880
EVO8					

Note: For total unit power consumption add compressor and condensing unit values together.

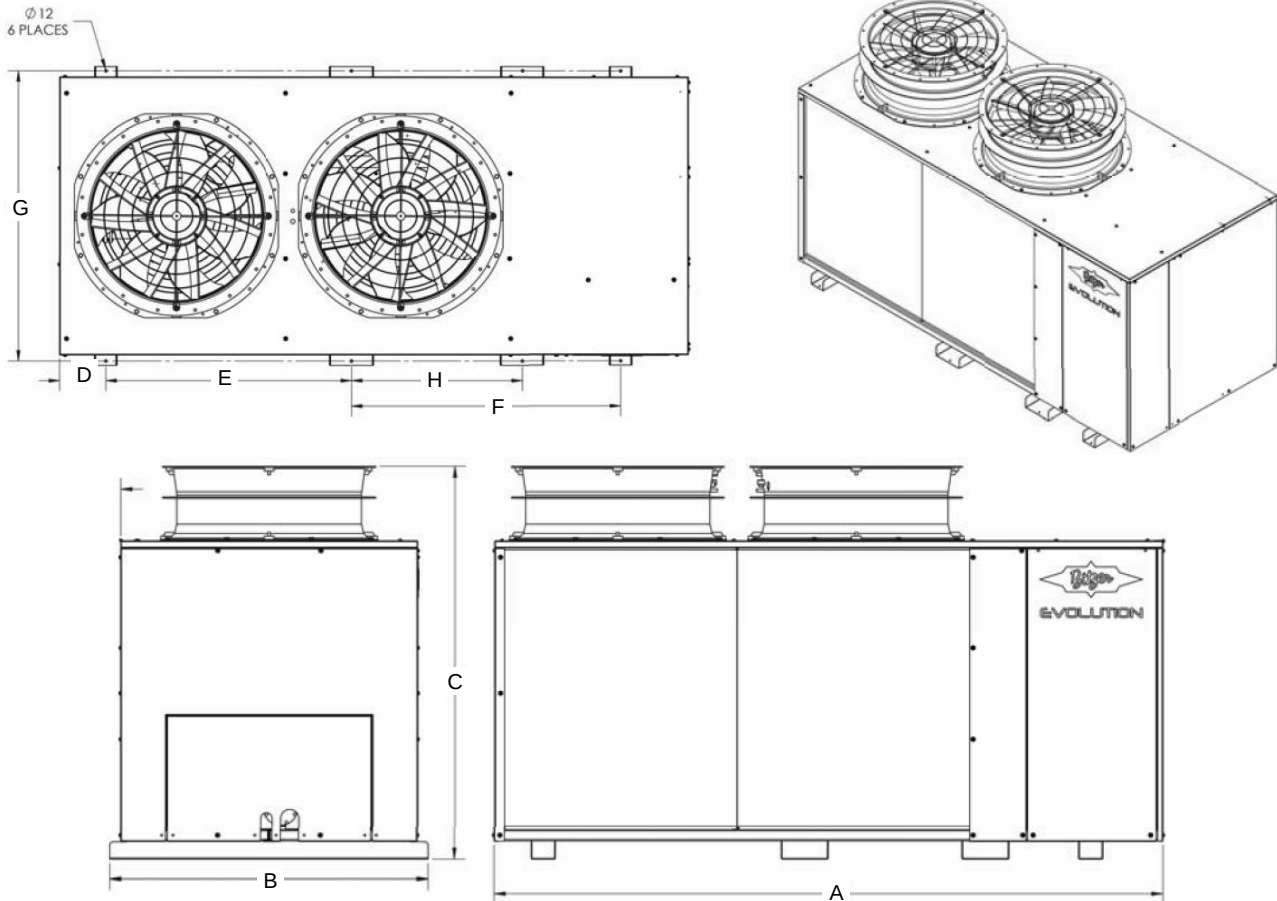
Condensing Unit Data

Model	Receiver Pump Down @ 80% & +25C Ambient (KG)			EVO Liquid Line Size Outlet
	R134a	R404a	R507	
EVO7	43	36	38	1-1/8
EVO8				

BITZER EVOLUTION EVO7 & EVO8 UNITS

Condensing Unit Dimensions

Model	Dimensions (mm)							
	A	B	C	D	E	F	G	H
EVOLUTION7	2945	1400	1731	2165	1150	1262	1360	800
EVOLUTION8								



Installation Information – Minimum distance off walls/structures etc.

Model	mm	X (Condenser Side)	Y (Service Panel)	Z (Other)
EVOLUTION7	1056 mm	1100 mm	1000 mm	700 mm
EVOLUTION8				

