



Perhatian



- Produk Daikin diproduksi untuk ekspor ke berbagai negara di seluruh dunia. sebelum membeli, silahkan konfirmasi dengan importir resmi di daerah Anda, distributor dan / atau pengecer apakah ini produk sesuai dengan standar yang berlaku, dan cocok untuk digunakan, di daerah di mana produk akan digunakan. Pernyataan ini tidak dimaksudkan untuk mengabaikan, membatasi atau memodifikasi pelaksanaan dari peraturan lokal.
- Mintalah seorang installer (pemasang) yang handal atau kontraktor untuk memasang produk ini. Jangan mencoba untuk memasang sendiri. Pemasangan yang tidak tepat dapat mengakibatkan kebocoran air atau zat pendingin, sengatan listrik, kebakaran atau ledakan.
- Pakailah bagian dan aksesori yang disediakan atau ditentukan oleh Daikin. Tanyakan pada pemasang yang handal atau kontraktor untuk memasang bagian-bagian dan aksesoris. Penggunaan suku cadang dan aksesoris tiruan atau pemasangan suku cadang dan aksesoris yang tidak tepat dapat mengakibatkan kebocoran air dan refrigeran, sengatan listrik, kebakaran atau ledakan.
- Baca Buku Petunjuk Pemakaian dengan seksama sebelum menggunakan produk ini. Pada Buku Petunjuk Pemakaian terdapat peringatan dan perintah keamanan penting. Pastikan untuk mengikuti petunjuk dan peringatan ini.

Jika Anda ada pertanyaan, silahkan hubungi importir lokal Anda, distributor dan / atau dealer.

Dealer

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Spesifikasi desain dan isi lainnya yang ada dalam brosur ini adalah terbitan September 2023, tetapi dapat berubah tanpa pemberitahuan

Dicetak di Indonesia

Facebook: daikinindonesia Instagram: @daikinindonesia LinkedIn: Daikin-Indonesia YouTube: Daikin Indonesia



Refrigeration Solutions

Catalogue





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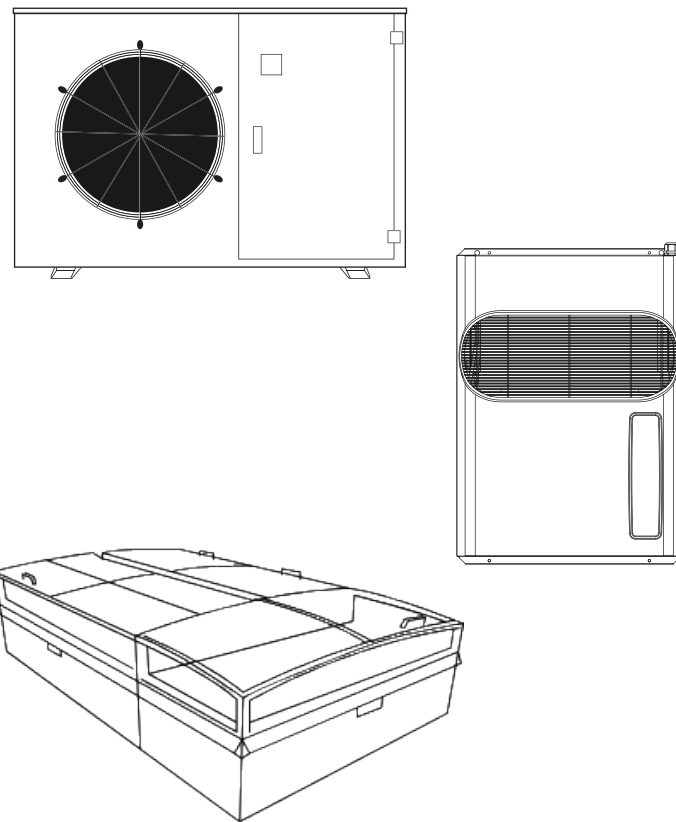
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Member of **Daikin Group**

“Complete Solution for Cold Chain Supply”

Daikin is a strong challenger in the refrigeration market. We can create the ideal solution for each customer's specific situation. As our products contain the latest technologies we ensure the highest energy efficiency. Our units are rigorously tested in order to provide you reliable operation. With the acquisition of the Zanotti and AHT groups, we expand our refrigeration business providing a larger and more diverse product line for all aspects in the cold chain.



Daikin delivering a full lineup of products and leveraging years of experience in HVAC, freezing, and refrigeration, Daikin offers optimal solutions to users in satisfying a variety of demands from factories, greenhouses, and processing plants to warehouses, distribution centers, and retail stores. Our refrigeration units are engineered for reliability and energy efficiency for all types of small and large commercial applications.

Zanotti is a refrigeration specialist founded in 1962. With over 50 years of experience in food storing services covering the needs of commercial and industrial refrigeration, but also the needs of the transportation of fresh and frozen products. Zanotti changed the refrigeration world from the early days with the introduction of the Uniblock, an all in one plug and play refrigeration unit for cold rooms.

AHT is the global leader in energy-optimized, plug in refrigeration and freezing systems for the supermarket, multideck and ice cream segments, delivering true innovative freezing technology around the world. AHT has been impressing customers and boosting their sales since 1983.

Full Range Support Cold Chain Supply

PRODUCTION - PROCESSING - STORAGE - CONSUMING

Daikin as leading innovator and provider of advanced technology offers a wide range of Heating, Ventilation, Air Conditioning, and Refrigeration as Total Solutions. When it comes to refrigeration solutions, Daikin provides products and systems designed to meet the cooling needs: Production - Processing - Storage & Consuming.

Daikin's expertise in refrigeration is grounded in decades of experience, technological innovation, and a commitment to providing energy-efficient, reliable and environmentally responsible cooling solutions to a diverse range of customers and industries.

We can meet all refrigeration needs from farm to fork, thanks to our wide range of refrigeration product.

Refrigeration Expertise



Inverter Condensing Unit

Inverter unit for refrigeration uses variable speed technology to optimize the operation of the compressor, resulting in improved energy efficiency, precise temperature control.

Highly Recommendation for:

- Production
- Processing
- Storage



Digital Scroll

Same continuous load matching and both typically giving 15-20% energy savings.

Highly Recommendation for:

- Production
- Processing
- Storage



CDU Basic

The units are the ideal solution for commercial refrigeration sectors where noise, size and reliability are paramount.

Highly Recommendation for:

- Production
- Processing
- Storage



SEES

Higher efficiency and lower running costs. Develop fully factory built units that are silent, economical, efficient and has simple installation.

Highly Recommendation for:

- Production
- Processing
- Storage



Unit Cooler

The product is compatible to work with multiple class A1 refrigerants such as R404A, R134A, R448A, R449A etc.

Highly Recommendation for:

- Production
- Processing
- Storage



Monoblock

Units equipped with a new generation control panel with an easy-to-use interface suitable to be connected to monitoring and remote management systems.

Highly Recommendation for:

- Storage



AHT

Energy-optimized, plug-in refrigeration and freezing systems for the supermarket and multideck and ice cream segments, delivering true innovative freezing technology.

Highly Recommendation for:

- Consuming

Inverter Commercial Condensing Unit

Accurate Temperature Control for Energy Saving

With an increased demand for higher efficiencies at part load, we also offer a range of Fusion Scroll inverter model. Single and twin fan units provide a flexible plug and play package for ease of installation.

Like digital units, inverter condensing units are suitable for multi cabinet systems and multiple evaporators for coldrooms.





Inverter Commercial Condensing Units

Inverter driven single and twin fan condensing units with capacities up to 25.7 kW

**TYPICALLY
20-30%
ENERGY
SAVINGS**

With an increased demand for higher efficiencies at part load, we also offer a range of Fusion Scroll inverter model. Single and twin fan units provide a flexible plug and play package for ease of installation.

Inverter condensing units are suitable for multi cabinet systems and multiple evaporators for coldrooms.

Features

- ▶ Highly reliable scroll compressor with crankcase heater
- ▶ Inverter compressor drive with protection functions: short circuit, over current, ground fault, over voltage/under voltage and over temperature
- ▶ Full capacity modulation from approximately 40% to 120% of nominal capacity ensuring accurate stable storage conditions for longer product life and quality
- ▶ Advanced programmable controller and LCD display with automatic oil return function
- ▶ Vertical liquid receiver and oil separator
- ▶ Fitted with brazed type liquid line drier & sight glass
- ▶ External service valves
- ▶ Mains isolator
- ▶ Fan speed controller
- ▶ BACnet and Modbus Protocol feature
- ▶ Operates with R448A or R449A

Inverter Commercial Condensing Units

Part Number	Unit Model	Compressor Model	Phase	Electrical data			SPL @ 10m dB (A)	Unit Connections		Dry Weight (Kgs)	Dimensions (mm) (W x D x H)	Mounting Dimensions (mm) (W x D)
				NC	MCC	LRC		Liquid	Suction			
N04120120	JEHSI-033-B3-M-3	AGK33FDAMTS	3	3.9	10.8	n/a	31	1/2"	5/8"	116	1334 x 546 x 872	945 x 500
N04120120	JEHSI-066-B3-M-3	AGK66FDBMTS	3	7.0	17.5	n/a	40	1/2"	3/4"	134	1334 x 546 x 872	945 x 500
N04120120	JEHSI-087-B4-M-3	AGK87FDCMTS	3	8.8	24.0	n/a	44	3/4"	7/8"	212	1348 x 600 x 1727	940 x 500

NC = Nominal Current at -10°Cte/+32°Cta MT conditions @ 60rps with R448A refrigerant
MCC = Maximum Continuous Current
LRC = Locked Rotor Current

Sound Pressure Level (SPL) measured in an anechoic room at -10°Cte/+32°Cta MT conditions @ 60rps. Alternative conditions may produce different results

Casing	Unit Model	Comp. Speed (rps)	SEPR	R448A/R449A Cooling Capacity (Watts) @ Te					
				-20°C	-15°C	-10°C	-5°C	0°C	5°C
Large	JEHSI-033-B3-M-3	30	3.03	1497	1795	2142	2542	2999	3517
		60		3058	3665	4348	5110	5951	6875
		80		3908	4659	5503	6446	7496	8657
	JEHSI-066-B3-M-3	100	4826	5713	6704	7807	9030	10380	
		30	3.39	2827	3897	4966	6036	7105	8175
		60		4787	6694	8600	10507	12413	14320
80	7723	9386		11049	12712	14375	16038		
Twin	JEHSI-087-B4-M-3	100	3.60	9037	11117	13196	15276	-	-
		30		3328	4220	5112	6310	7508	8706
		60		6609	8644	10680	13449	16217	18986
		80		9416	11589	13762	16480	19198	21916
		100		11703	13906	16109	19296	22483	25670

Rating Condition MT: Suction Gas Superheat 10K / Subcooling 0K / 32°C Ambient
Capacity data presented in accordance with BS EN 13215:2016

Refrigerant	GWP	TCO ² eq(Tonnes CO ² equivalent)
R448A	1387	GWP x total system refrigerant charge (Kgs) 1000
R449A	1397	

NOTE
Commercial condensing units functioning relies on fluorinated greenhouse gases. This table illustrates refrigerants used, GWP values and Tonnes CO² equivalent calculation.

Digital Scroll Condensing Unit

Accurate Temperature Control for
Energy Saving

To further increase efficiencies offered by our standard range, we also provide a comprehensive range of DIGITAL scroll and INVERTER condensing units.

DIGITAL/INVERTER units benefit from the same continuous load matching and both typically giving 15-20% energy savings.

DIGITAL Scroll units use compressor capacity modulation and INVERTER units use variable compressor speed to achieve both high energy efficiencies and constant close control of storage temperatures.



Digital Scroll



Fusion Tandem Digital Scroll

Commercial Condensing Units

On All Models

- + Hermetic Scroll compressor - ZBD & ZB (Digital & Fixed)
- + Four condenser fans with control mode selection option
- + Fan speed controller
- + Electrical control panel with mains isolator
- + Phase protection module
- + Mechanical by-pass circuit
- + Compressor HP switches
- + External status lights
- + Internal ball valves and external service valves
- + Liquid line drier and sight glass
- + Pressure relief valve on liquid receiver
- + Operates with refrigerants R404A, R407A, R407F, R448A and R449A

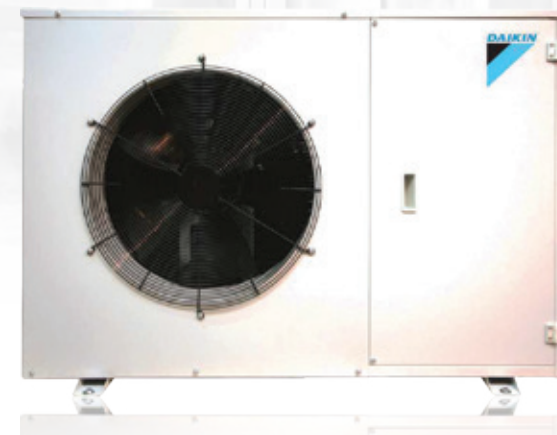
Model	Compressor			Phase	Coil Vol. (L)	Airflow (m³/hr)	Fan Motors		Connections		Receiver Litres	Dry Weight (kg)	Noise dB (A)**	Dimensions (mm)		
	Type	Operating Current (A)*	LRC (A)				No.	FLC (A)	Suction	Liquid				W	D	H
LRMTFS1200BXY1	ZB45KQE-TFD	9.2	74	3	9.4	7500	2	1.8	1 3/8	3/4	18	315	42	1387	851	1697
	ZBD45KQE-TFD	7.5	74													
LRMTFS1600BXY1	ZB57KCE-TFD	9.7	102	3	19	8200	2	1.8	1 3/8	3/4	18	380	44	1735	854	1727
	ZBD57KCE-TFD	9.7	102													

* Operating current rated using R404A at (-10/+32°C) MT & (-25/+32°C) LT conditions. Different operating condition will produce different result.
 ** Sound pressure levels @10m free field at (-10/+32°C) MT & (-25/+32°C) LT conditions. Alternative conditions may produce different results.

Performance Data (R404A & R448A / R449A)

Model	HP	T _E / T _A	R404A (Watts)							R448A / R449A (Watts)						
			-20	-15	-10	-5	0	5	10	-15	-10	-5	0	5	10	
LRMTFS1200BXY1	12	27	15480	18440	21800	25600	29900	35000	41000	16820	20400	24400	29000	34300	40600	
		32	14000	16640	19620	23000	26900	31500	37000	15480	18800	22600	26900	31900	37800	
		35	13050	15500	18260	21390	25050	29700	34500	14620	17810	21400	25550	30350	36000	
		38	12100	14360	16900	19780	23200	27900	32000	13760	16820	20200	24200	28800	-	
		43	10420	12340	14480	16920	-	-	-	-	-	-	-	-	-	
LRMTFS1600BXY1	16	27	18200	21800	25600	29900	34700	40200	45800	20500	24700	29500	35050	41500	48500	
		32	17020	20600	24200	26500	30350	36800	42000	19570	23700	28050	33200	39250	46100	
		35	16570	19790	23100	25200	28700	34700	-	18990	22900	27150	32075	37800	-	
		38	16120	18980	22000	25200	28700	-	-	18410	22100	26250	30950	-	-	
		43	15080	17580	20200	22900	-	-	-	17390	20800	-	-	-	-	

T_E : Evaporating Temperature (°C) T_A : Ambient Temperature (°C) Rating condition: Superheat 10 K, Subcooling 0 K



Fusion Digital Scroll

Commercial Condensing Units

On All Models

- + Hermetic Digital Scroll Compressor ZBD (Digital)
- + Liquid receiver with fusible plug
- + Oil separator and discharge non return valve
- + Manual Motor starter with short circuit and overload protection
- + Advanced programmable controller
- + High & Low pressure transducers
- + Mechanical by-pass circuit
- + Manually adjustable low pressure switch
- + AC modulation fan speed controller
- + Fuse protection on controller, fan speed controller and backup system
- + Operates with refrigerant R404A, R407A, R407F, R448A & R449A

Model	Compressor			Phase	Coil Vol. (L)	Airflow (m³/hr)	Fan Motors		Connections		Receiver Litres	Dry Weight (kg)	Noise dB (A)**	Dimensions (mm)		
	Type	Operating Current (A)*	LRC (A)				No.	FLC (A)	Suction	Liquid				W	D	H
LRMDFS0400BXY1	ZBD29KQE-TFD	5.7	48	3	4.42	4250	1	0.9	7/8	1/2	7.6	128	39	1353	575	872
LRMDFS0600BXY1	ZBD45KQE-TFD	8.6	74		6.89	4100	1	0.9	7/8	1/2	7.6	134	40	1353	575	872
LRMDFS0800BXY1	ZBD57KQE-TFD	10.4	102		8.73	8500	2	1.8	1 1/8	3/4	13.6	213	44	1348	612	1727

* Operating current rated using R404A at (-10/+32°C) MT & (-25/+32°C) LT conditions. Different operating condition will produce different result.
 ** Sound pressure levels @10m free field at (-10/+32°C) MT & (-25/+32°C) LT conditions. Alternative conditions may produce different results.

Performance Data (R404A & R448A /R449A)

Model	HP	T _E / T _A	R404A (Watts)							R448A/R449A (Watts)						
			-20	-15	-10	-5	0	5	10	-20	-15	-10	-5	0	5	10
LRMDFS0400BXY1	4	27	5030	6090	7300	8680	10250	12050	14100	4610	5630	6800	8110	9600	11300	13150
		32	4640	5610	6720	7990	9440	11100	1300	4320	5280	6380	7610	9010	10600	12450
		35	4400	5320	6360	7550	8920	10500	12300	4130	5060	6110	7300	8660	10250	12000
		38	4150	5010	5990	7110	8400	9880	11600	3940	4830	5840	6920	8300	9830	11600
		43	3720	4490	5350	6340	7490	8820	10400	-	4460	5390	6460	7690	9150	10850
LRMDFS0600BXY1	6	27	7390	8770	10300	12000	13900	15900	18100	6760	8280	9930	11700	13650	15750	18050
		32	6760	8040	9480	11050	12800	14700	16800	6220	7700	9320	11050	13000	15100	17450
		35	6370	7590	8960	10450	12150	13950	16000	5860	7540	8910	10650	12550	14700	17100
		38	5980	7130	8420	9850	11450	13200	15200	5500	6940	8490	10200	12100	14250	-
		43	5310	6340	7480	8780	10250	-	-	-	6280	7790	9480	-	-	-
LRMDFS0800BXY1	8	27	9600	11550	13800	16300	19100	22300	25800	8720	10700	13000	15650	18750	22400	26700
		32	8860	10650	12650	14900	17450	20300	23400	8370	10200	12300	14650	17300	20400	23900
		35	8410	10100	11950	14050	16400	19000	21900	8160	9910	11850	14000	16400	19100	-
		38	7950	9510	11250	13150	15300	17700	20400	7940	9610	11450	13400	15500	-	-
		43	7160	8500	9980	11600	13400	-	-	-	7530	8960	10350	-	-	-

The Perfect Choice with **More Than 100 Years**

of Refrigeration Experience & Ideal Solution for Commercial Refrigeration

Daikin Fusion Reciprocating and Fusion Scroll commercial refrigeration units create the perfect answer for those demanding a compact yet efficient unit. The units are the ideal solution for commercial refrigeration sectors where noise, size and reliability are paramount.

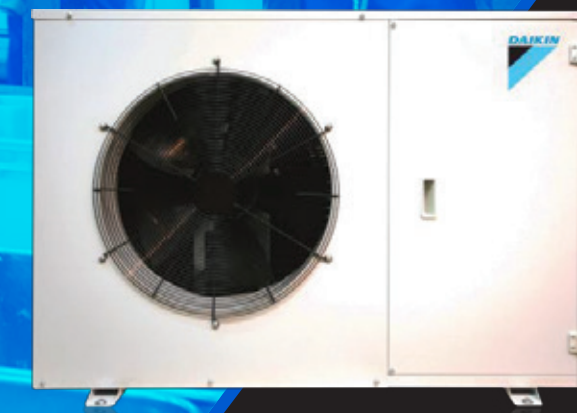
Housed in a cabinet made of electro-galvanized mild steel with an anti-corrosion treatment and coated in baked polyester powder paint, units are able to withstand the most stringent weather testing. The integral IP54 rated control panel provides further protection to all essential electrical components.

All units are acoustically lined. The Fusion Scroll units house the extremely efficient scroll compressor and the standard Fusion Reciprocating range house a highly reliable reciprocating compressor fitted with compressor jacket to further reduce noise. *excludes small units

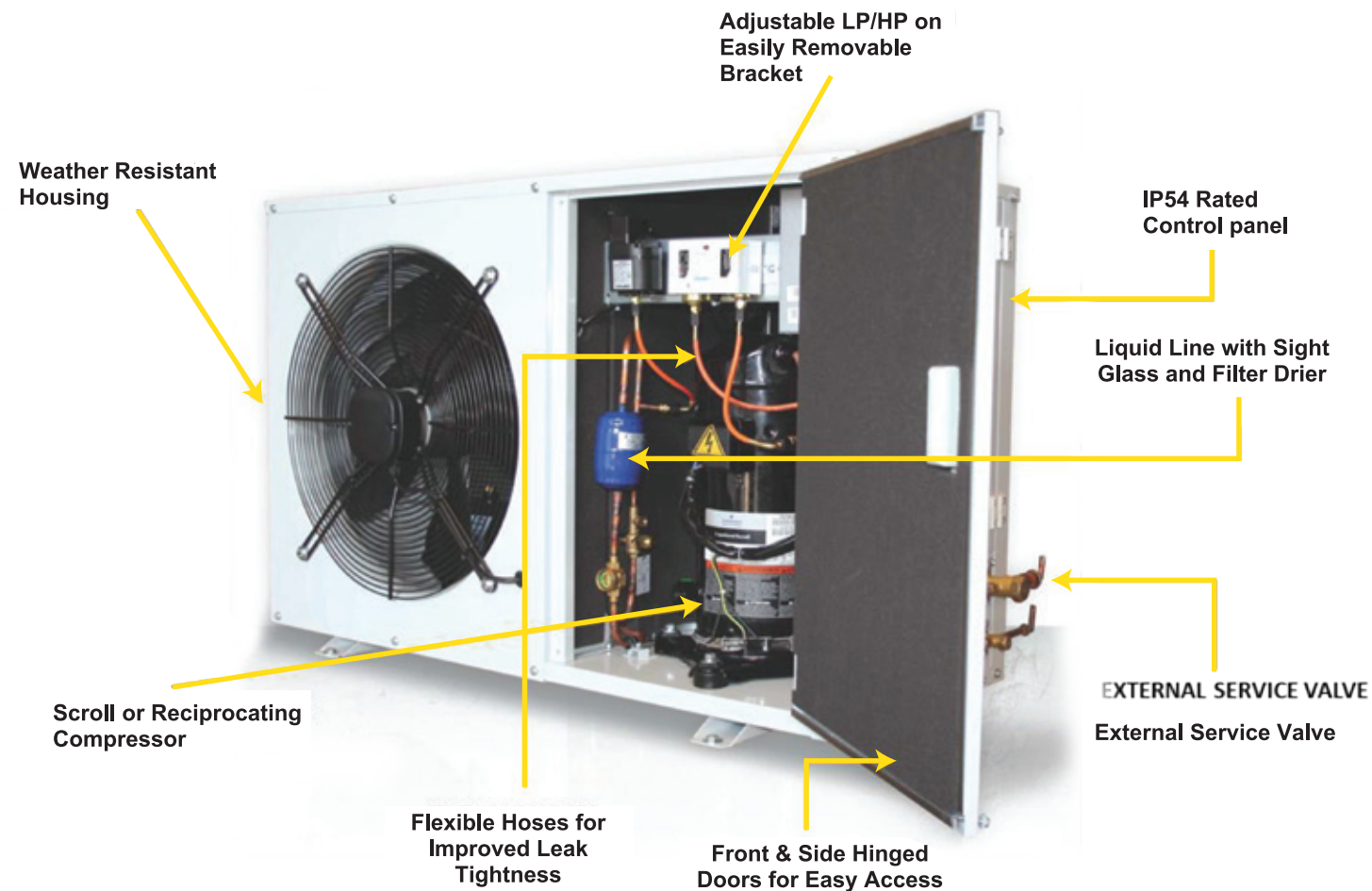
All condensing units come complete with all components fitted during manufacture to save the installer time and money. Fusion Reciprocating and Fusion Scroll condensing units are available for both medium and low temperature applications.



CDU Basic



What is inside our Condensing Unit?



Benefits & Advantages



Ease Installation

Enjoy fast and easy installation with the main switch, service valves, and quick connections.



Low Noise

Experience the tranquility of silence with our low noise acoustically lined condensing units.



Powder Coated Casing for Watherproof & Resistant to Corrosion

Ensure long-lasting durability with our weatherproof, corrosion-resistant condensing unit featuring a sleek powder coated casing.



Pre-wired IPX4 Rated Control Panel

Our units features the convenience of a pre-IPX4 rated control panel.



Multi Refrigerant Compatible

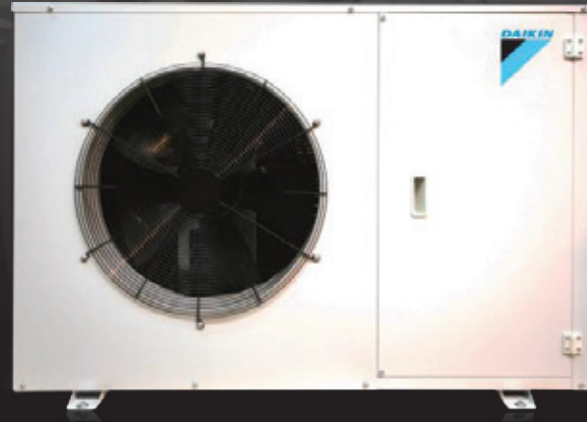
Our condensing units are designed to be multi refrigerant compatible for better flexibility.



Standard & Reliable Components

Our units produced using standard and reliable components selected by our expert technical R&D team, ensuring exceptional performance you can trust.

Fusion Reciprocating Commercial Condensing Units



On All Models

- + Operates with refrigerant R404A, R407A
- + Robust weather resistant housing
- + Highly reliable compressor
- + Liquid receiver with fusible plug
- + Adjustable HP/LP pressure safety switch
- + Liquid line with sight glass and filter drier factory fitted
- + IP54 rated control panel
- + Noise data tested to ISO 3774-2 standard
- + Oil separator and check valve for low temperature models
- + Externally mounted service valves for easy isolation and an extended tail for easy installation

Medium Temperature

Model	Compressor			Phase	Coil Vol. (L)	Airflow m ³ /hr	Fan Motors		Connections		Receiver vol. (L)	Net Weight (kg)	Noise dB (A)**	Dimensions (mm)		
	Type	Operating Current (A)*	LRC (A)				No.	FLC (A)	Suction	Liquid				W	D	H
LRMRS0150AXV1	MTZ18-5VM	6.6	40	1	1.5	3040	1	0.6	1/2	3/8	4.6	82	37	1109	478	649
LRMRS0150AXY1	MTZ18-4VM	2.7	20	3		3040	1	0.6	1/2	3/8	4.6	82	37	1109	478	649
LRMRS0225AXV1	MTZ28-5VM	11	51	1		3.1	2620	1	0.6	1/2	3/8	4.6	89	36	1109	478
LRMRS0225AXY1	MTZ28-4VM	4	23	3	2620		1	0.6	1/2	3/8	4.6	89	36	1109	478	649
LRMRS0300AXV1	MTZ36-5VM	15.2	60	1	2620		1	0.6	5/8	3/8	4.6	89	37	1109	478	649
LRMRS0300AXY1	MTZ36-4VM	4.9	30	3	2620	1	0.6	5/8	3/8	4.6	89	37	1109	478	649	
LRMRS0400AXY1	MTZ50-4VM	6.5	42	3	4.7	6050	1	1.1	7/8	1/2	7.6	120	37	1335	529	884
LRMRS0500AXY1	MTZ64-4VM	8.3	67	3	4.7	6050	1	1.1	7/8	1/2	7.6	120	40	1335	529	884
LRMRS0600AXY1	MTZ72-4VM	8.7	80	3	7.6	5180	1	1.1	7/8	1/2	7.6	126	40	1335	529	884
LRMRS0675AXY1	MTZ81-4VM	10.3	80	3	7.6	5180	1	1.1	1 1/8	1/2	7.6	126	42	1335	529	884
LRMRS0825AXY1	MTZ100-4VM	12.4	90	3	6.9	6770	2	1.6	1 1/8	1/2	14	205	42	1258	590	1436
LRMRS1000AXY1	MTZ125-4VM	14.3	105	3	6.9	6770	2	1.6	1 1/8	1/2	14	205	42	1258	590	1436

* Operating current rated using R404A at (-10/+32°C) MT & (-25/+32°C) LT conditions. Different operating condition will produce different result.
 ** Sound pressure levels @10m free field at (-10/+32°C) MT & (-25/+32°C) LT conditions. Alternative conditions may produce different results.

Performance Data (R404A & R448A / R449A)

Model	HP	T _E		R404A (Watts)						R448A/R449A (Watts)						
		T _A	-25	-20	-15	-10	-5	0	5	-25	-20	-15	-10	-5	0	5
LRMRS0150AXV1	1.5	27	1033	1438	1914	2459	3073	3758	4513	987	1369	1843	2378	2974	3634	4357
		32	900	1269	1708	2217	2796	3444	4163	855	1204	1659	2179	2764	3415	4136
		38	730	1061	1457	1917	2441	3030	3684	675	985	1414	1908	2469	3097	3797
LRMRS0225AXV1	2.25	27	1851	2517	3258	4074	4967	5933	6976	1769	2395	3138	3940	4806	5736	6735
		32	1603	2230	2933	3710	4563	5491	6495	1524	2116	2848	3647	4511	5444	6452
		38	1390	1963	2602	3303	4071	4902	5799	1286	1822	2526	3289	4116	5010	5976
LRMRS0300AXV1	3	27	2479	3264	4161	5172	6295	7531	8881	2369	3105	4008	5002	6092	7282	8574
		32	2279	3026	3882	4844	5915	7092	8377	2166	2872	3770	4762	5847	7030	8322
		38	2009	2737	3563	4484	5503	6618	7830	1858	2540	3459	4464	5564	6764	8070
LRMRS0400AXY1	4	27	3491	4693	6095	7696	9495	11494	13691	3335	4466	5870	7443	9189	11113	13218
		32	3118	4218	5518	7017	8714	10610	12705	2964	4003	5358	6898	8614	10519	12622
		38	2668	3665	4840	6191	7721	9427	11311	2468	3401	4699	6164	7807	9635	11658
LRMRS0500AXY1	5	27	4607	5973	7559	9365	11393	13640	16108	4402	5683	7281	9057	11026	13187	15551
		32	4152	5421	6912	8623	10554	12705	15078	3947	5145	6712	8477	10433	12596	14979
		38	3598	4801	6181	7739	9474	11386	13476	3328	4456	6001	7705	9580	11638	13889
LRMRS0600AXY1	6	27	4949	6532	8325	10326	12539	14960	17591	4729	6215	8018	9987	12135	14464	16984
		32	4495	5986	7676	9564	11652	13938	16424	4273	5681	7453	9403	11518	13818	16316
		38	3908	5314	6877	8595	10469	12499	14686	3614	4931	6676	8557	10586	12775	15135
LRMRS0675AXY1	6.75	27	5503	7263	9212	11348	13673	16185	18887	5258	6911	8872	10974	13232	15648	18234
		32	4937	6626	8476	10488	12660	14994	17489	4694	6289	8231	10311	12515	14864	17374
		38	4365	5962	7688	9544	11528	13642	15884	4036	5533	7464	9502	11657	13943	-
LRMRS0825AXY1	8.25	27	5961	8027	10320	12838	15582	18551	21747	5696	7638	9939	12415	15080	17936	20996
		32	5356	7327	9488	11836	14373	17097	20010	5091	6954	9213	11636	14207	16949	19878
		38	4675	6496	8485	10639	12961	15449	18104	4324	6029	8238	10592	13106	15790	-
LRMRS1000AXY1	10	27	8287	10547	13001	15648	18489	21523	24751	7918	10036	12522	15133	17893	20809	23896
		32	7451	9697	12060	14543	17143	19862	22699	7083	9203	11712	14297	16946	19690	-
		38	6617	8678	10865	13174	15608	18164	-	-	8054	10548	13116	-	-	-

Performance Data (R134A)

Model	HP	T _E		R134A (Watts)						Model	HP	T _E		R134A (Watts)					
		T _A	-15	-10	-5	0	5	10	15			T _A	-15	-10	-5	0	5	10	15
LRMRS0150AXV1	1.5	27	918	1347	1826	2355	2934	3563	4242	LRMRS0600AXY1	6	27	4594	6092	7814	9762	11934	14332	16954
		32	842	1229	1671	2168	2720	3327	3989			32	4309	5680	7272	9083	11115	13366	15838
		38	761	1091	1481	1931	2441	3011	3641			38	3811	5052	6507	8178	10063	12164	14479
LRMRS0225AXV1	2.25	27	1547	2128	2823	3634	4559	5600	6755	LRMRS0675AXY1	6.75	27	5027	6653	8519	10625	12971	15557	18383
		32	1436	1958	2595	3347	4214	5196	6293			32	4667	6153	7879	9845	12051	14497	17183
		38	1310	1763	2330	3013	3810	4723	5750			38	4355	5676	7242	9053	11109	13410	15956
LRMRS0300AXV1	3	27	2426	3160	3998	4942	5990	7144	8402	LRMRS0825AXY1	8.25	27	5800	7728	9922	12380	15104	18092	21346
		32	2279	2948	3721	4600	5583	6672	7865			32	5322	7083	9110	11401	13958	16779	19866
		38	1941	2584	3332	4185	5143	6206	7374			38	4796	6349	8172	10265	12628	15261	18164
LRMRS0400AXY1	4	27	3198	4306	5624	7152	8890	10838	12996	LRMRS1000AXY1	10	27	7256	9494	11993	14751	17770	21048	24587
		32	2917	3925	5143	6571	8209	10057	12115			32	6615	8667	10980	13552	16385	19477	22830
		38	2593	3482	4582	5891	7411	9140	11080			38	5875	7701	9792	12148	14769	17655	20806
LRMRS0500AXY1	5	27	3930	5271	6833	8614	10616	12837	15279										
		32	3593	4823	6273	7943	9833	11943	14273										
		38	3195	4295	5614	7154	8913	10893	13092										

T_E : Evaporating Temperature (°C) T_A : Ambient Temperature (°C) Rating condition: Superheat 10 K, Subcooling 0 K

Daikin condensing units are capable of operating at ambient temp. 43°C.
 Please ask Daikin sales if you want to know the cooling capacity at ambient temp. 43°C

Low Temperature

Model	Compressor			Phase	Coil Vol. (L)	Airflow m ³ /hr	Fan Motors		Connections		Receiver vol. (L)	Net Weight (kg)	Noise dB (A)**	Dimensions (mm)		
	Type	Operating Current (A)*	LRC (A)				No.	FLC (A)	Suction	Liquid				W	D	H
LRLRS0175AXV1	NTZ48-5VM	5.9	37	1	1.5	3040	1	0.6	5/8	3/8	4.6	86	35	1109	478	649
LRLRS0175AXY1	NTZ48-4VM	2.6	16	3	1.5	3040	1	0.6	5/8	3/8	4.6	86	35	1109	478	649
LRLRS0225AXV1	NTZ68-5VM	10.8	53	1	3.1	2620	1	0.6	5/8	3/8	4.6	92	38	1109	478	649
LRLRS0225AXY1	NTZ68-4VM	4.1	25	3	3.1	2620	1	0.6	5/8	3/8	4.6	92	38	1109	478	649
LRLRS0350AXY1	NTZ96-4VM	4.3	32	3	5	6050	1	1.1	7/8	1/2	7.6	125	38	1335	529	884
LRLRS0400AXY1	NTZ136-4VM	7.5	51	3	5	6050	1	1.1	1 1/8	1/2	7.6	125	38	1335	529	884
LRLRS0725AXY1	NTZ215-4VM	9.8	74	3	6.9	6770	2	1.6	1 1/8	1/2	14	203	41	1258	590	1436
LRLRS0825AXY1	NTZ271-4VM	12.8	96	3	6.9	6770	2	1.6	1 1/8	1/2	14	203	40	1258	590	1436

* Operating current rated using R404A at (-10/+32°C) MT & (-25/+32°C) LT conditions. Different operating condition will produce different result.

** Sound pressure levels @10m free field at (-10/+32°C) MT & (-25/+32°C) LT conditions. Alternative conditions may produce different results.

Performance Data (R404A)

Model	HP	T _E T _A	Cooling Capacity (Watts)				
			-40	-35	-30	-25	-20
LRLRS0175AXV1	1.75	27	793	1130	1499	1900	2333
		32	691	1018	1373	1753	2162
		38	529	860	1217	1602	2012
LRLRS0225AXV1	2.25	27	1347	1847	2389	2975	3602
		32	1224	1685	2197	2765	3385
		38	1093	1516	2008	2570	3202
LRLRS0350AXY1	3.5	27	1619	2302	3119	4070	5156
		32	1346	1983	2760	3677	4732
		38	1161	1723	2442	3316	4347
LRLRS0400AXY1	4	27	2531	3440	4477	5645	6940
		32	2172	3036	4039	5183	6465
		38	1880	2682	3651	4786	6088
LRLRS0725AXY1	7.25	27	3746	5071	6513	8074	9753
		32	3300	4563	5965	7508	9189
		38	2755	3995	5390	6941	8648
LRLRS0825AXY1	8.25	27	5174	6954	8878	10949	13163
		32	4597	6254	8078	10068	12225
		38	3991	5494	7196	9097	11196

T_E : Evaporating Temperature (°C) T_A : Ambient Temperature (°C)

Rating condition: Superheat 10 K, Subcooling 0 K

**Daikin condensing units are capable of operating at ambient temp. 43°C.
Please ask Daikin sales if you want to know the cooling capacity at ambient temp. 43°C**

Fusion Scroll

Commercial Condensing Units



On All Models

- + Operates with refrigerant R404A, R407A
- + Robust weather resistant housing
- + Highly reliable compressor
- + Liquid receiver with fusible plug
- + Adjustable HP/LP pressure safety switch
- + Liquid line with sight glass and filter drier factory fitted
- + IP54 rated control panel
- + Noise data tested to ISO 3774-2 standard
- + Oil separator and check valve for low temperature models
- + Externally mounted service valves for easy isolation and an extended tail for easy installation

Medium Temperature

Model	Compressor			Phase	Coil Vol. (L)	Airflow m ³ /hr	Fan Motors		Connections		Receiver vol. (L)	Net Weight (kg)	Noise dB (A)**	Dimensions (mm)		
	Type	Operating Current (A)*	LRC (A)				No.	FLC (A)	Suction	Liquid				W	D	H
LRMSS0200AXV1	ZB15KQE-PFJ	7.7	58	1	3.1	2620	1	0.6	3/4	3/8	4.6	88	30	1109	478	649
LRMSS0200AXY1	ZB15KQE-TFD	3.1	26	3	3.1	2620	1	0.6	3/4	3/8	4.6	88	30	1109	478	649
LRMSS0250AXV1	ZB19KQE-PFJ	9.6	61	1	3.1	2620	1	0.6	3/4	3/8	4.6	90	31	1109	478	649
LRMSS0250AXY1	ZB19KQE-TFD	4.1	32	3	3.1	2620	1	0.6	3/4	3/8	4.6	90	31	1109	478	649
LRMSS0300AXV1	ZB21KQE-PFJ	12.6	82	1	3.1	2620	1	0.6	3/4	3/8	4.6	92	34	1109	478	649
LRMSS0300AXY1	ZB21KQE-TFD	5	40	3	3.1	2620	1	0.6	3/4	3/8	4.6	92	34	1109	478	649
LRMSS0350AXV1	ZB26KQE-PFJ	13.9	97	1	4.7	6050	1	1.1	3/4	1/2	7.6	114	35	1335	529	884
LRMSS0350AXY1	ZB26KQE-TFD	5.5	46	3	4.7	6050	1	1.1	3/4	1/2	7.6	114	35	1335	529	884
LRMSS0400AXV1	ZB29KQE-PFJ	15.6	114	1	4.7	6050	1	1.1	7/8	1/2	7.6	121	34	1335	529	884
LRMSS0400AXY1	ZB29KQE-TFD	7	50	3	4.7	6050	1	1.1	7/8	1/2	7.6	121	34	1335	529	884
LRMSS0500AXY1	ZB38KQE-TFD	9.4	65.5	3	4.7	6050	1	1.1	7/8	1/2	7.6	126	35	1335	529	884
LRMSS0600AXY1	ZB45KQE-TFD	9.7	74	3	7.6	5180	1	1.1	7/8	1/2	7.6	128	40	1335	529	884
LRMSS0680AXY1	ZB48KQE-TFD	9.9	101	3	7.6	5180	1	1.1	7/8	1/2	7.6	129	40	1335	529	884
LRMSS0800AXY1	ZB58KQE-TFD	12.4	95	3	6.9	6770	2	1.2	1 1/8	1/2	14	201	44	1261	594	1435
LRMSS1000AXY1	ZB76KQE-TFD	16.8	118	3	6.9	6770	2	1.2	1 3/8	1/2	14	201	44	1261	594	1435

* Operating current rated using R404A at (-10/+32°C) MT & (-25/+32°C) LT conditions. Different operating condition will produce different result.

** Sound pressure levels @10m free field at (-10/+32°C) MT & (-25/+32°C) LT conditions. Alternative conditions may produce different results.

Performance Data (R404A & R448A / R449A)

Model	HP	T _E T _A	R404A (Watts)					R448A/R449A (Watts)						
			-20	-15	-10	-5	0	5	-20	-15	-10	-5	0	5
LRMSS0200AXV1	2	27	2688	3279	3924	4676	5536	6470	2294	2882	3641	4271	5131	6068
		32	2489	3032	3655	4354	5160	6038	2105	2657	3345	4008	4815	5715
		38	2231	2736	3279	3978	4730	5587	1859	2400	2965	3690	4472	5371
LRMSS0250AXV1	2.5	27	2956	3655	4408	5321	6289	7373	2537	3224	4084	4831	5759	6806
		32	2790	3440	4193	4999	5966	6994	2431	3084	3888	4645	5610	6630
		38	2575	3171	3870	4676	5644	6704	-	2910	3647	4492	5511	6626
LRMSS0300AXV1	3	27	3655	4515	5429	6558	7794	9169	3134	3969	5034	5925	7085	8369
		32	3440	4246	5160	6235	7364	8643	2999	3812	4793	5761	6858	8097
		38	3225	3978	4838	5805	6934	8159	-	3651	4547	5542	6700	7959
LRMSS0350AXV1	3.5	27	4569	5590	6773	8224	9783	11577	4445	5456	6627	8022	9483	11083
		32	4246	5214	6343	7633	9138	10793	4235	5248	6411	7678	9126	10672
		38	3816	4676	5698	6934	8278	9826	3976	4927	6026	7305	8640	10147
LRMSS0400AXV1	4	27	5149	6343	7697	9256	11019	12960	4635	5700	6952	8395	10053	11876
		32	4816	5913	7192	8643	10309	12145	4437	5450	6673	8056	9664	11489
		38	4300	5311	6472	7805	9342	11031	4100	5080	6231	7553	9112	10867
LRMSS0500AXY1	5	27	6289	7686	9299	11073	13169	15426	5550	7000	8619	10374	12407	14557
		32	5805	7149	8654	10374	12309	14427	5043	6575	8190	9948	11924	14152
		38	5214	6396	7740	9353	11126	13126	-	5995	7555	9341	11236	13512
LRMSS0600AXY1	6	27	7149	8708	10535	12578	14835	17340	6311	8056	9929	12006	14262	16769
		32	6611	8116	9836	11718	13921	16286	5835	7613	9503	11456	13762	16286
		38	5966	7310	8869	10589	12524	14642	5279	6991	8816	10801	12948	15437
LRMSS0680AXY1	6.8	27	7729	9459	11349	13567	15945	18582	6953	8967	10980	13283	15700	18427
		32	7323	8907	10766	12524	14835	17297	6551	8473	10589	12628	15152	17877
		38	6450	7848	9514	11341	13330	15545	-	7776	9796	11977	14339	-
LRMSS0800AXY1	8	27	9029	11340	13879	16578	19602	22794	7413	10125	12978	16010	19364	22980
		32	8310	10503	12900	15426	18221	21162	6846	9448	12253	15079	18172	21355
		38	7321	9385	11610	13975	16501	19175	-	8494	11110	13775	16501	-
LRMSS1000AXY1	10	27	11490	13929	16591	19404	22439	-	-	12099	15031	18219	21639	-
		32	10513	12801	15279	17791	20533	-	-	11471	14151	16987	-	-
		38	9310	11449	13706	16125	18759	-	-	10669	-	-	-	-

Performance Data (R134A)

Model	HP	T _E T _A	R134A (Watts)						Model	HP	T _E T _A	R134A (Watts)							
			-15	-10	-5	0	5	10				15	-15	-10	-5	0	5	10	15
LRMSS 0200AXV1	2	27	1840	2305	2830	3450	4150	4950	5850	LRMSS 0500AXV1	5	27	4400	5450	6750	8200	9850	11700	13750
		32	1735	2175	2490	3250	3950	4700	5550			32	4100	5150	6350	7750	9300	11100	13050
		38	1610	2015	2680	3050	3700	4400	5200			38	3800	4750	5900	7200	8650	10350	12150
LRMSS 0250AXV1	2.5	27	2105	2625	3250	3900	4700	5600	6600	LRMSS 0600AXV1	6	27	5250	6550	8050	9800	11700	13850	16100
		32	1985	2475	3050	3700	4500	5350	6300			32	4950	6150	7600	9250	11100	13150	15300
		38	1840	2285	2830	3450	4150	5000	5900			38	4550	5600	7000	8550	10250	12150	14200
LRMSS 0300AXV1	3	27	2600	3250	3950	4800	5750	6900	8000	LRMSS 0680AXV1	6.8	27	5963	7389	8957	10712	12687	14851	16958
		32	2450	3050	3750	4550	5450	6450	7550			32	5588	6928	8420	10082	11074	14015	15972
		38	2265	2800	3450	4200	5050	6000	7050			38	5124	6363	7765	9304	11959	13012	14799
LRMSS 0350AXV1	3.5	27	3100	3900	4800	5900	7150	8550	10150	LRMSS 0800AXV1	8	27	6700	8300	10150	12350	14600	17200	20100
		32	2950	3700	4550	5600	6800	8150	9650			32	6300	7800	9550	11650	13750	16300	19000
		38	2720	3400	4250	5200	6350	7600	9050			38	5800	7200	8850	10800	12750	15100	17700
LRMSS 0400AXV1	4	27	3600	4550	5600	6850	8250	9900	11700	LRMSS 1000AXV1	10	27	8600	10550	12850	15400	18200	21300	24500
		32	3400	4300	5300	6500	7850	9400	11100			32	8050	9900	12050	14450	17100	20000	23100
		38	3150	3950	4950	6050	7300	8800	10400			38	7450	9100	11050	13300	15800	18500	21400

Low Temperature

Model	Compressor			Phase	Coil Vol. (L)	Airflow m ³ /hr	Fan Motors		Connections		Receiver vol. (L)	Net Weight (kg)	Noise dB (A)**	Dimensions (mm)		
	Type	Operating Current (A)*	LRC (A)				No.	FLC (A)	Suction	Liquid				W	D	H
LRLSS0200AXY1	ZF06K4E-TFD	2.9	26	3	3.1	2620	1	0.6	3/4	3/8	4.6	94	27	1109	478	649
LRLSS0300AXY1	ZF09K4E-TFD	4.8	40	3	3.1	2620	1	0.6	3/4	3/8	4.6	96	28	1109	478	649
LRLSS0400AXY1	ZF13K4E-TFD	5.2	51.5	3	4.7	6050	1	1.1	7/8	1/2	7.6	129	35	1335	529	884
LRLSS0500AXY1	ZF15K4E-TFD	6.8	64	3	4.7	6050	1	1.1	7/8	1/2	7.6	130	36	1335	529	884
LRLSS0600AXY1	ZF18K4E-TFD	7.2	74	3	4.7	6050	1	1.1	7/8	1/2	7.6	130	41	1335	529	884
LRLSS0750AXY1	ZF25K4E-TWD	6.9	102	3	4.1	5750	2	1.2	1 3/8	1/2	13.6	203	41	1348	612	1727
LRLSS1000AXY1	ZF26KQE-TWD	7.3	74	3	8.7	5870	2	1.2	7/3	1/2	13.6	200	37	1348	612	1727

* Operating current rated using R404A at (-10/+32°C) MT & (-25/+32°C) LT conditions. Different operating condition will produce different result.

** Sound pressure levels @10m free field at (-10/+32°C) MT & (-25/+32°C) LT conditions. Alternative conditions may produce different results.

Performance Data (R404A & R448A / R449A)

Model	HP	T _E T _A	R404A (Watts)					R448A / R449A (Watts)				
			-40	-35	-30	-25	-20	-40	-35	-30	-25	-20
LRLSS0200AXY1	2	27	1156	1451	1790	2182	2634	1133	1418	1757	2150	2602
		32	1075	1355	1677	2053	2483	1052	1355	1677	2064	2505
		38	984	1247	1553	1914	2333	1020	1318	1659	2054	2533
LRLSS0300AXY1	3	27	1500	1892	2333	2827	3386	1338	1701	2104	2582	3106
		32	1414	1768	2193	2666	3225	1298	1644	2059	2533	3073
		38	1306	1650	2048	2510	3042	1272	1639	2059	2555	3109
LRLSS0400AXY1	4	27	2225	2865	3601	4408	5375	2035	2656	3372	4142	5050
		32	2086	2671	3333	4139	5053	1946	2523	3165	3951	4835
		38	1914	2446	3075	3816	4676	1837	2359	2999	3730	4580
LRLSS0500AXY1	5	27	2682	3440	4300	5268	6343	2425	3160	3989	4918	5909
		32	2505	3225	4031	4945	5966	2315	3023	3809	4704	5666
		38	2295	2951	3709	4569	5590	2165	2831	3599	4460	5449
LRLSS0600AXY1	6	27	3279	4139	5053	6128	7364	2810	3680	4572	5573	6671
		32	3064	3870	4730	5751	6934	2576	3446	4324	5309	6415
		38	2817	3548	4408	5429	6558	2255	3120	4058	5111	6211
LRLSS0750BXY1	7.5	27	3170	4040	5040	6220	7610	3790	4780	5960	7290	8830
		32	3620	4560	5650	6930	8430	3550	4510	5630	6900	8370
		38	3980	4990	6150	7510	9100	3230	4140	5190	6410	7850
LRLSS0951BXY1	9.5	27	4930	5790	6823	8064	9544	3939	4934	6091	7426	8956
		32	4951	5921	7054	8381	9937	-	4846	5947	7217	8670
		38	4965	5995	7196	8600	10241	-	-	5686	6888	827

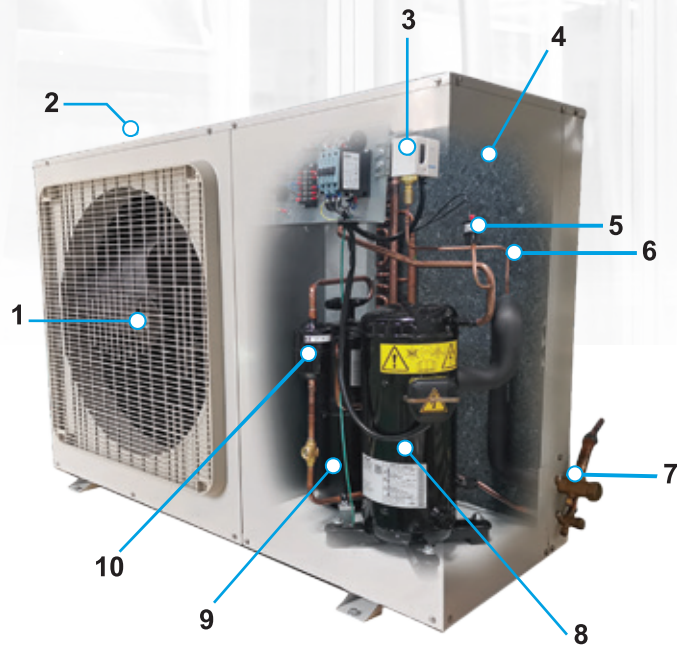
Performance efficiency & running cost is key to our product development. We listen carefully to customer feedback and develop fully factory built units that are silent, economical, efficient and has simple installation.

Introducing the Daikin SEES Series of Condensing Unit brings further benefits in terms of higher efficiency and lower running costs.



SEES Condensing Units

Product Overview



- 1 Fan Propeller + Fan Motor
- 2 AI + Cu Condenser
- 3 Low Pressure Switch
- 4 Acoustic Insulation
- 5 High Pressure Switch
- 6 Copper Pressure Lines
- 7 External Service Valve
- 8 Compressor
- 9 Liquid Receiver
- 10 Solder Filter Drier

SEES Series

Compressor	Scroll & Rotary
Condensor Coil	Standard 7mm & 3/8"
Condenser Fan	AC
Liquid Receiver	Yes
External Service Valves	Yes
Liquid Ball Valve	-
Solder Filter Drier	Yes
Flare Filter Drier	-
Solder Sight Glass	Yes
Oil Separator (LT)	Yes
Flexible Pressure Lines	-
Copper Pressure Lines	Yes
Electrical Control Box	Yes
Mains Isolator	-
Fan speed Controller	-
High Pressure Switch	Fixed
Low Pressure Switch	Adjustable
Crankcase Heater	Low Temp.
Acoustic Insulation	Yes

► Silent

Quiet units blend seamlessly into the local environment

► Efficiency Improve

System improvement contribute to higher COP

► Economical

More value for money with energy-efficient solution

► Simple Installation

Factory fitted components allows quick & simple installation

Unit Specifications

Model	Compressor		Phase	Airflow m ³ /hr	Fan Motor		Connections		Receiver vol. (L)	Net Weight (kg)	SPL @10m dB(A)	Dimension		
	Type	Nominal Current			No	FLC	Suction	Liquid				W	D	H
LRMYS0180AXY1	KSVB28P14AA	2.9	3	1874	1	0.4	1/2"	3/8"	2.4	45	27	855	318	651
LRMYS0250AXY1	JSVB39P14AA	3.8	3	2548	1	0.5	5/8"	3/8"	2.4	55	28	855	318	753
LRMSS0400FX1	3CB067SA0M	5.9	3	4280	1	1.0	7/8"	1/2"	7.6	104	34	1349	544	870
LRMSS0500FX1	3CB084SA0M	7.1	3	4280	1	1.0	7/8"	1/2"	7.6	106	35	1349	544	870
LRMSS0600FX1	3CB100SA0M	8.2	3	3910	1	1.0	7/8"	1/2"	7.6	112	35	1349	544	870

Oil type: FV685
NC: Nominal Current rated at -10°C Te/+32°C Ta

Sound Pressure Level (SPL) measured in an anechoic room at -10°C Te/+32°C Ta MT conditions. Alternative conditions may produce different results.

Performance Data (R404A)

	Model	Compressor	T _A / T _E	Watts	-20	-15	-10	-5	0	5	10			
				CC	PC	CC	PC	CC	PC	CC	PC	CC	PC	
1.8 HP	LRMYS0180AXY1	KSVB28P14AA	32	CC	1461	2091	2720	3350	3979	4609	5238			
				PC	1362	1410	1458	1506	1554	1602	1650			
			38	CC	1394	1951	2507	3064	3621	4177	4734			
				PC	1384	1458	1531	1605	1679	1753	1826			
			43	CC	1293	1777	2261	2746	3230	3715	4199			
				PC	1430	1520	1610	1700	1790	1880	1970			
			46	CC		1658	2095	2532	2968	3405				
				PC		1579	1674	1769	1863	1958				
2.5 HP	LRMYS0250AXY1	JSVB39P14AA	32	CC	2347	3255	4164	5072	5980	6888	7796			
				PC	1716	1804	1892	1979	2067	2155	2242			
			38	CC	2209	3011	3814	4616	5418	6220	7022			
				PC	1840	1943	2046	2149	2251	2354	2457			
			43	CC	2094	2808	3522	4236	4949	5663	6377			
				PC	1940	2050	2160	2270	2380	2490	2600			
			46	CC		2686	3347	4007	4668	5329				
				PC		2140	2270	2400	2530	2660				
			4 HP	LRMSS0400FX1	3CB067SA0M	32	CC	5301	6214	7270	8507	9965	11692	13739
							PC	3303	3178	3335	3503	3679	3862	4048
						38	CC	4747	5584	6543	7661	8980	10548	12417
							PC	3346	3504	3674	3855	4044	4238	4436
43	CC	4324				5113	6003	7035	8250	9696				
	PC	3630				3800	3981	4172	4371	4576				
46	CC					4853	5709	6694	7851					
	PC					3988	4176	4373	4578					
5 HP	LRMSS0500FX1	3CB084SA0M				32	CC	6488	7557	8792	10181	11721	13410	15253
							PC	3643	3907	4177	4444	4704	4950	5179
						38	CC	5759	6759	7939	9286	10791	12453	14270
							PC	4201	4433	4665	4892	5110	5315	5507
			43	CC		6169	7307	8615	10085					
				PC		4919	5109	5294	5472					
			46	CC		5847	6961	8245	9692					
				PC		5230	5392	5549	5700					
			6 HP	LRMSS0600FX1	3CB100SA0M	32	CC	7511	8758	10298	12086	14092	16296	18692
							PC	4417	4697	4986	5275	5555	5818	6060
						38	CC	6762	7952	9399	11065	12917	14936	17110
							PC	5023	5293	5568	5842	6105	6353	6582
43	CC	6189				7346	8729	10301	12032					
	PC	5585				5839	6098	6353	6599					
46	CC					7012	8361	9881						
	PC					6189	6435	6678						

* Rated at suction superheat 10 K, subcooling 0 K. Different rating condition will produce different cooling capacity.

** Data presented in accordance with BS EN13215:2016

Product Features

- Can be used with refrigerants R404A, R448A/R449A, R134A R507A dan R410A
- DX evaporator coil, with shredder valve soldered into suction line for ease of superheat measurement
- GI casing with pre-coated paint
- IP44 Axial fan with moisture proof protected and built in thermal overload
- Up to 3 heaters can be slotted for defrosting
- Pre-fixed wiring to fan motor

**UNIT
COOLER**



Unit Cooler



Medium Temperature Application

*Capacity	Designation	LFMNS0150AXV1	LFMNS0400AXV1	LFMNS0600AXV1	LFMNS0800AXV1	LFMNS0980AXV1	LFMNS1400AXV1
	kW	1.5	3.9	5.9	8.05	9.8	14.2
General	Size L/W/H (mm)	760 x 554 x 515	760 x 554 x 515	1214 x 554 x 515	1214 x 554 x 515	1671 x 556 x 515	1671 x 556 x 515
	Weight (kg)	23	27	34	43	51	62
	Room Temp.	-5~15°C	-5~15°C	-5~15°C	-5~15°C	-5~15°C	-5~15°C
	Max. Allowable Press, (Barg)	25	25	25	25	25	25
	Airflow (m3/h)	1600	1500	3200	3100	4800	4700
	Phase	1	1	1	1	1	1
	Power Supply (V/Ph/Hz)	220~240/1/50 Hz	220~240/1/50 Hz	220~240/1/50 Hz	220~240/1/50 Hz	220~240/1/50 Hz	220~240/1/50 Hz
**Air throw	m	10	10	13	13	15	15
**Sound	dB(A)	67	67	68	68	70	70
Fan Motor	Fan size (mm x qty)	315 x 1	315 x 1	315 x 2	315 x 2	315 x 3	315 x 3
	Fan speed (rpm)	1350	1350	1350	1350	1350	1350
	Power Power Input (W)	92	92	184	184	276	276
	Total FLA (A)	0.41	0.41	0.82	0.82	1.23	1.23
Connection Pipe Size	Outlet Size	OD 12.7 mm	OD 15.88 mm	OD 15.88 mm	OD 22.2 mm	OD 22.2mm	OD 28.56mm
	Inlet Size	OD 12.7 mm	OD 12.7 mm	OD 12.7 mm	OD 12.7 mm	OD 12.7 mm	OD 15.88mm
	Drain Pipe	1"-14UNF	1"-14UNF	1"-14UNF	1"-14UNF	1"-14UNF	1"-14UNF
Evaporator Coil	Hairpin & Fins (Type)	3/8" OD (bare) & Aluminium Bare (V Wave)					
	Rows / Fins per Inch	6/6	8/6	6/6	8/6	6/6	8/6

* Air throw distance is declared based on a final air velocity of 0.4m/s, dry coil condition.

** Sound pressure level is measured at 1m away from every side of the unit and 1m below fan center line, inside Anechoic sound room.

Performance Data (R404A, R134A, R448A / R449A)

Capacity Table	Model	R404A (kW)					R134A (kW)					R448A / R449A (kW)				
		T _e	-10	-8	-5	0	5	-10	-8	-5	0	5	-10	-8	-5	0
	LFMNS0150AXV1	1.48	1.50	1.54	1.66	1.79	1.35	1.37	1.40	1.51	1.63	1.39	1.41	1.45	1.56	1.68
	LFMNS0400AXV1	3.85	3.90	4.01	4.30	4.63	3.51	3.55	3.65	3.91	4.21	3.62	3.67	3.77	4.05	4.36
	LFMNS0600AXV1	5.83	5.90	6.07	6.58	7.05	5.30	5.37	5.52	5.98	6.41	5.49	5.55	5.71	6.19	6.64
	LFMNS0800AXV1	7.95	8.05	8.25	8.91	9.37	7.24	7.33	7.54	8.10	8.53	7.48	7.58	7.79	8.39	8.82
	LFMNS0980AXV1	9.67	9.80	10.07	10.71	11.16	8.80	8.92	9.17	9.75	10.16	9.10	9.22	9.48	10.08	10.50
	LFMNS1400AXV1	13.94	14.20	14.52	15.28	15.76	12.68	12.92	13.21	13.91	14.34	13.12	13.36	13.67	14.38	14.83

* DT1 = 8K

DT1 = Air inlet temperature (Ta) - Evaporating temperature at the outlet (Te)

Low Temperature Application

*Capacity	Designation	FLHS0150AXV1	FLHS0200AXV1	FLHS0320AXV1	FLHS0400AXV1	FLHS0480AXV1	FLHS0600AXV1
	kW	1.5	2.0	3.2	4.0	4.8	6.0
General	Size L/W/H (mm)	760 x 554 x 515	760 x 554 x 515	1214 x 554 x 515	1214 x 554 x 515	1671 x 556 x 515	1671 x 556 x 515
	Weight (kg)	23	27	34	43	51	62
	Room Temp.	-18~5°C	-18~5°C	-18~5°C	-18~5°C	-18~5°C	-18~5°C
	Max. Allowable Press, (Barg)	25	25	25	25	25	25
	Airflow (m3/h)	1600	1500	3200	3100	4800	4700
	Phase	1	1	1	1	1	1
	Power Supply (V/Ph/Hz)	220~240/1/50Hz	220~240/1/50Hz	220~240/1/50Hz	220~240/1/50Hz	220~240/1/50Hz	220~240/1/50Hz
**Air throw	Distance (m)	10	10	13	13	15	15
**Sound	dB(A)	67	67	68	68	70	70
Fan Motor	Fan size (mm x qty)	315 x 1	315 x 1	315 x 2	315 x 2	315 x 3	315 x 3
	Fan speed (rpm)	1350	1350	1350	1350	1350	1350
	Total Power Input (W)	92	92	184	184	276	276
	Total FLA (A)	0.41	0.41	0.82	0.82	1.23	1.23
Connection Pipe Size	Outlet Size	OD 12.7 mm	OD 15.88 mm	OD 15.88 mm	OD 22.2 mm	OD 22.2 mm	OD 28.56 mm
	Inlet Size	OD 12.7 mm	OD 12.7 mm	OD 12.7 mm	OD 12.7 mm	OD 12.7 mm	OD 15.88 mm
	Drain Pipe	1"-14UNF	1"-14UNF	1"-14UNF	1"-14UNF	1"-14UNF	1"-14UNF
Heater	Quantity	3	3	3	3	3	3
	Power Input (W)	450	450	900	900	1350	1350
Evaporator Coil	Hairpin & Fins (Type)	3/8" OD (bare) & Aluminium Bare (V Wave)					
	Rows / Fins per Inch	6/5	8/5	6/5	8/5	6/5	8/5

* Air throw distance is declared based on a final air velocity of 0.4m/s, dry coil condition.

** Sound pressure level is measured at 1m away from every side of the unit and 1m below fan center line, inside Anechoic sound room.

Performance Data (R404A, R448A / R449A)

Capacity Table	Model	R404A (kW)					R448A / R449A (kW)				
		T _e	-40	-35	-30	-25	-20	-40	-35	-30	-25
	FLHS0150AXV1	0.81	1.04	1.27	1.5	1.73	0.75	0.97	1.18	1.4	1.61
	FLHS0200AXV1	1.49	1.66	1.83	2	2.17	1.39	1.55	1.70	1.86	2.02
	FLHS0320AXV1	2.21	2.54	2.87	3.2	3.53	2.06	2.37	2.67	2.98	3.29
	FLHS0400AXV1	2.74	3.16	3.58	4	4.42	2.55	2.94	3.34	3.73	4.12
	FLHS0480AXV1	3.27	3.78	4.29	4.8	5.31	3.05	3.52	4.00	4.47	4.95
	FLHS0600AXV1	4.05	4.7	5.35	6	6.65	3.77	4.38	4.98	5.59	6.20

* DT1 = 8K

DT1 = Air inlet temperature (Ta) - Evaporating temperature at the outlet (Te)

TEMPERATURE DIFFERENCE (TD) CORRECTION FACTORS

Capacity at different TD can be calculated using the correction factor given in below table:

TD(K)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10
Correction Factor (Medium Temp.)	0.56	0.63	0.69	0.75	0.81	0.88	0.94	1	1.06	1.13	1.19	1.25
Correction Factor (Low Temp.)	0.64	0.71	0.79	0.86	0.93	1	1.07	1.14	1.21	1.29	1.36	



Slim Unit Cooler

Low Temperature Application

*Capacity	Designation	LFSLHS0200AXV1	LFSLHS0300AXV1
	kW	2	3
General	Size L/W/H (mm)	1381 x 510 x 238	1981 x 510 x 238
	Weight (kg)	27	35
	Room Temp.	-13~28°C	-13~28°C
	Max. Allowable Press, (Barg)	25	25
	Airflow (m3/h)	1350	2025
	Phase	1	1
	Power Supply (V/Ph/Hz)	220-240/1/50 Hz	220-240/1/50 Hz
**Air throw	Distance (m)	7	7
**Sound	dB(A)	60	60
Fan Motor	Fan size (mm x qty)	300 x 2	300 x 3
	Fan speed (rpm)	1250	1250
	Total Power Input (W)	70	105
	Total FLA (A)	0.54	0.81
Connection Pipe Size	Outlet Size	OD 15.88 mm	OD 19.05 mm
	Inlet Size	OD 12.7 mm	OD 12.7 mm
	Drain Pipe	1"-14UNF	1"-14UNF
Heater	Quantity	1	1
	Power Input (W)	1300	2000
Evaporator Coil	Hairpin & Fins (Type)	3/8" OD (bare) & Aluminium Bare (V Wave)	
	Rows / Fins per Inch	6/5	6/5

* Air throw distance is declared based on a final air velocity of 0.4m/s, dry coil condition.
 ** Sound pressure level is measured at 1m away from every side of the unit and 1m below fan center line, inside Anechoic sound room.

Standard Equipment

- + Low silhouette for efficient use of cold room space
- + Can be used with refrigerant R404A, R448A/R449A
- + DX Evaporator coil, with shredder valve soldered into suction line for ease of superheat measurement.
- + GI casing with pre-coated paint
- + IP54 Axial fan with moisture proof protected and built in thermal overload
- + Electrical switchboard with protection fuses
- + Pre-fixed heaters for defrostin

Performance Data (R404A / R448A / R449A)

Capacity Table		R404A/R448A/R449A (kW)			
Model	T _e	-35	-30	-35	-20
LFSLHS0200AXV1		1.57	1.74	2	2.4
LFSLHS0300AXV1		2.34	2.67	3	3.33

* DT1 = 8K
 DT1 = Air inlet temperature (Ta) - Evaporating temperature at the outlet (Te)

TEMPERATURE DIFFERENCE (TD) CORRECTION FACTORS

Capacity at different TD can be calculated using the correction factor given in below table:

TD(K)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
Correction Factor (Low Temp.)	0.64	0.71	0.79	0.86	0.93	1	1.07	1.14	1.21	1.29	1.36



Efficient and Reliable Monoblock Units

with Avantgarde Management Technology

- › Quick straddle wall installation ideal for new applications or through wall installation ideal for renovations
- › Condensing part body with metallic gray finishing
- › The white color of the evaporator blends discreetly with the walls of the cold room
- › Compressor compartment is ready to be insulated with suitable sound-absorbing material to reduce noise levels
- › Micro-channel condensers are available on the smallest frame (GM1) to reduce the refrigerant charge as much as possible and ensure higher efficiency energy
- › Units equipped with a new generation control panel with an easy-to-use interface suitable to be connected to monitoring and remote management systems



Monoblock



Why LMS-Inverter Monoblock is the best choice for your cold room?

With LMS-Inverter monoblock, all the components of the refrigeration cycle, including the compressor, condenser, and evaporator, are housed in a single unit. When it comes to cold rooms, there are several benefits to use this plug-and-play system, including:

LM-Inverter monoblock is a smart choice for businesses that want an efficient and reliable refrigeration solution for their cold room.



Why Propane is the ideal solution for your cold room?



Our propane monoblock system is an eco-friendly and cost-effective alternative to traditional refrigeration systems. Propane, as a natural refrigerant with zero ozone depletion potential and a low global warming potential, makes it a sustainable and responsible choice for businesses that want to reduce their environmental impact.

In addition to its environmental benefits, our propane monoblock system is also highly efficient, delivering fast and consistent cooling performance while consuming less energy than other refrigeration systems. This means lower operating costs and higher energy savings for you restaurant.



Easy Installation

LMS-Inverter monoblock is easy to install compared to other refrigeration systems, which often require a separate compressor and condenser unit. This can result in faster installation times and lower installation costs.



Space Saving

Since all the components of the refrigeration system are housed in a single unit, LMS-Inverter monoblock takes up less space in the cold room. This can be especially beneficial for smaller cold rooms where space is limited.



Energy Efficiency

LMS-Inverter monoblock can be more energy-efficient than other refrigeration systems because it has fewer connections and less refrigerant piping, which reduces the risk of refrigerant leaks and energy losses.



Lower Maintenance

LMS-Inverter monoblock has fewer components than other refrigeration systems, which means there are fewer parts that can fail or require maintenance. This can result in lower maintenance costs and less downtime for your cold room.



Improved Performance

LMS-Inverter monoblock is designed to work optimally as a single unit, which can result in improved performance and better temperature control in the cold room.



Environmental Benefits

Propane is a natural refrigerant with a very low global warming potential and zero ozone depletion potential. This means that it does not contribute to the depletion of the ozone layer or global warming, making it an eco-friendly and sustainable choice for businesses that want to reduce their environmental impact.



Energy Efficiency

Propane-based refrigeration systems are highly efficient, delivering fast and consistent cooling performance while consuming less energy than other refrigeration systems. This can result in significant cost savings for businesses, especially those that require constant refrigeration for their products.



Cost Savings

Since propane is a readily available and affordable refrigerant, businesses can save money on the cost of refrigeration by using propane-based systems. Additionally, propane-based systems have lower maintenance costs and longer lifespans than other refrigeration systems, reducing the need for frequent repairs and replacements.



Safety

Propane-based refrigeration systems are designed with safety in mind. These systems have built-in safety features such as automatic shutoff valves and leak detection sensors, which can prevent accidents and minimize the risk of fires or explosions.

In summary, the added value of using propane for refrigeration includes environmental sustainability, energy efficiency, cost savings and safety. As a natural and efficient refrigerant, propane is a smart choice for businesses that want to reduce their environmental impact, save money and ensure the safety of their employees and customers.

Daikin LMS Inverter Monoblock



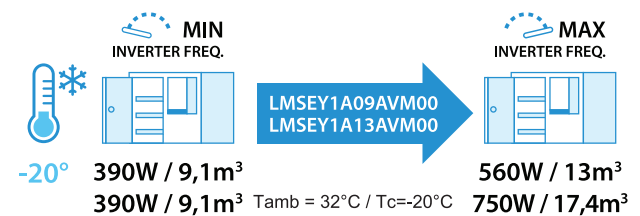
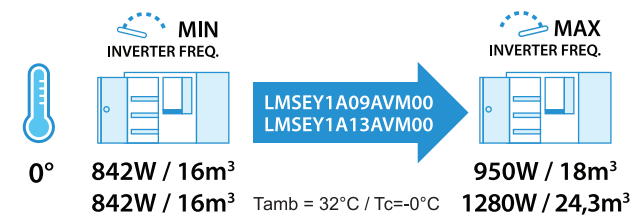
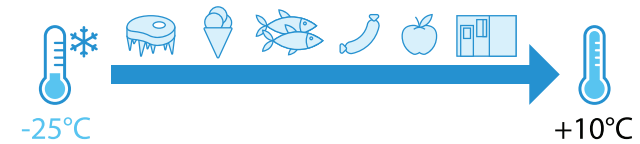
Model LMSEY1A09AVM00 / LMSEY1A13AVM00		
Power Supply	[V / Ph / Hz]	230/1/50-60
Compressor		Hermetic + Inverter
Compressor Displacement	[cc]	1 x 14,7
Refrigerating Circuits		1
Expansion Device		EEV
Defrost		Hot gas
Condenser Fan	[nr x mm]	1 x 230
Condenser Airflow ¹	[m ³ / h]	555
Evaporator Fan	[nr x mm]	1 x 230
Evaporator Airflow ¹	[m ³ / h]	597
Evaporator Airthrow ²	[m]	9,6
Operating sound pressure ³	[dBA]	39,4
Unit weight	[kg]	52
Refrigerant weight (each circuit)	[kg]	0,15
Cold room temperature range	[°C]	+10 + -25
Max ambient temperature	[°C]	45°C
Standards for cooling capacity determination ⁴		EN 17432

1. According to EN ISO 5801
2. According to CECOMAF GT 6-001 (final velocity = 0,25 m/s)
3. According to UNI EN ISO 3746
4. EN 17432: "Packaged refrigerating units for walk-in cold rooms - Classification, performance and energy consumption testing"

Model	Capacity	Number of Cooling Circuits
LMSEY1A09AVM00	950 W	1
LMSEY1A13AVM00	1.28 kW	1

Standard Equipment

- + Inverter driven hermetic reciprocating compressor
- + 50/60 Hz power supply
- + CE + UL certified
- + Filter dryer
- + Condenser fan ON/OFF controlled by temperature probe
- + Electronic expansion valve
- + Condensate evaporation tray
- + Hot gas defrost
- + Propane refrigerant charge => 150gr
- + Electronic control board
- + Electrical switchboard with protection fuses
- + Fixed calibration HP switch with automatic reset
- + 5 m cable for power supply
- + 2 m cold room lighting cable (Light bulb and bulb as option)
- + 5 m micro-switch door cable (Microswitch as option)
- + 5 m cable for door heater



Preliminary data (T.B.C.) | Volumes for insulation thickness = 100mm



Note: Multiple monoblocks, up to 10 pieces in a master-slave configuration (1 master + 9 slaves) can be installed within one cold room to satisfy the cooling needs.

Variable Capacity Compressor (Reciprocating compressor inverter driven)

► Efficiency

Highest EER on R290 for commercial applications at variable speed

► Fast Cooling

Target temperature reached faster, ensuring better food preservation

► Lower Noise & Less Vibrations

Consistent noise level reduction compared to the other models in commercial applications

► Wide Voltage Range

Guarantee for the equipment to run even with voltage fluctuation



Model	Displacement (CC)	Voltage / Frequency	Motor Type	Application	Speed Range (rpm)	Cooling Capacity	Efficiency (W/W)
FMFT415U*	14.77	Bi-Volt 110-240V 50/50Hz Inverter PFC 220-240V 50/60Hz	BPM	L/MBP+	1600 - 5000	407 - 1263*	1.75 - 1.82* 1.68 - 1.78*

*Preliminary data | Test conditions: Ashrae LBP32

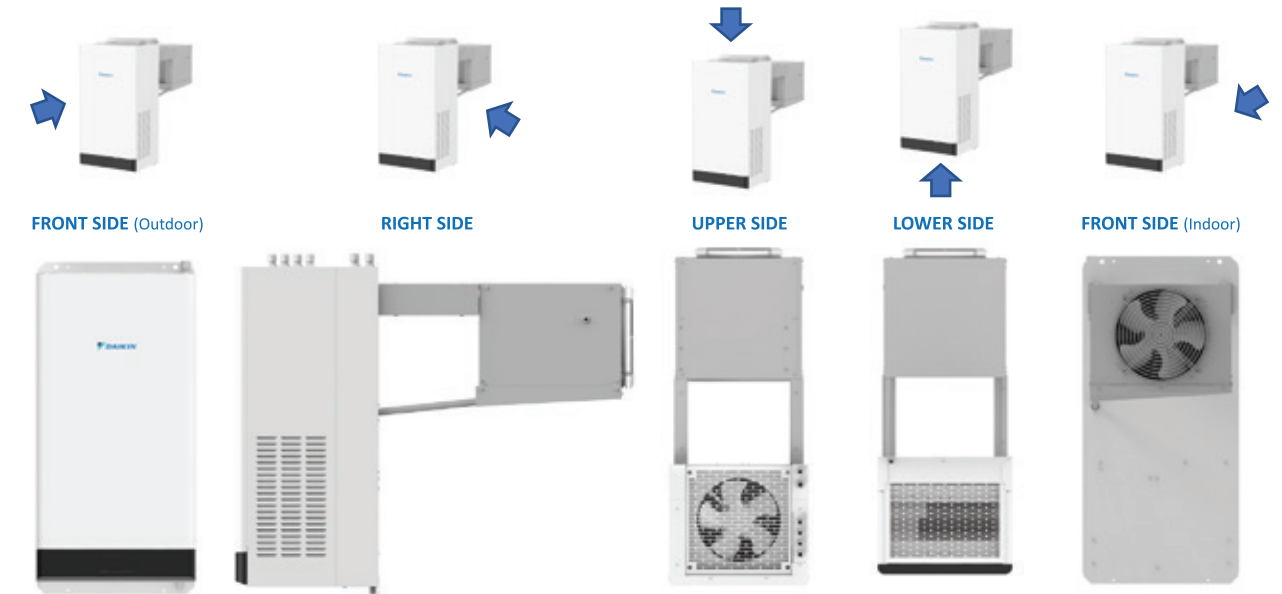
Min. Cooling Capacity

Model	Rated Operating Freq. (Hz)	External Temp. (°C BD)	Cold Room Temperature (°C)															
			-25		-20		-15		-10		-5		0		5		10	
			Q	W	Q	W	Q	W	Q	W	Q	W	Q	W	Q	W	Q	W
LMSEY1A09AVM00 LMSEY1A13AVM00	50	45	210	345	310	380	410	415	510	455	610	497	710	549	810	601	910	653
		40	240	328	352	361	452	397	553	430	653	468	753	505	854	548	954	595
		35	262	317	377	346	492	379	606	412	709	444	811	476	914	508	1016	549
		32	268	311	390	339	513	369	636	399	739	427	842	456	945	488	1048	523
		30	281	305	403	334	526	363	648	391	754	418	860	444	966	471	1072	504
		25	313	296	432	322	552	347	672	372	783	394	894	417	1005	439	1116	468
		20	344	287	461	309	579	331	696	353	812	371	928	389	1044	407	1160	430
		15	376	278	490	297	605	315	730	333	841	347	962	361	1084	375	1205	396
		10	407	269	527	284	648	299	768	314	888	324	1009	333	1129	342	1249	362
5	439	262	561	272	683	282	805	292	927	302	1049	310	1171	318	1294	335		

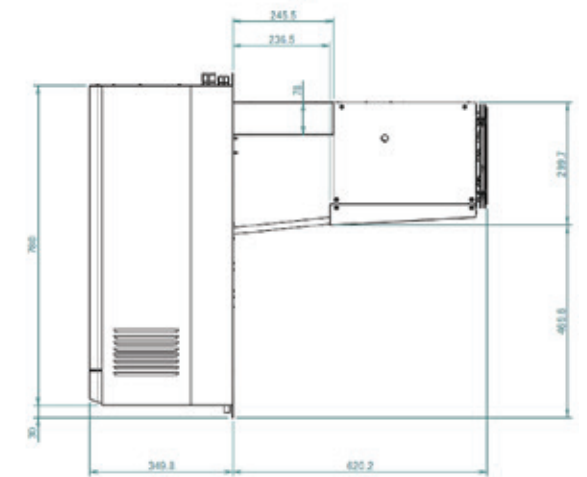
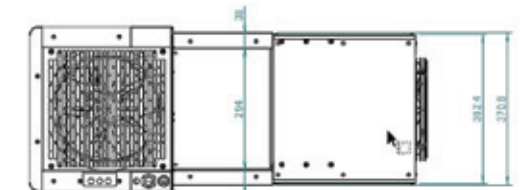
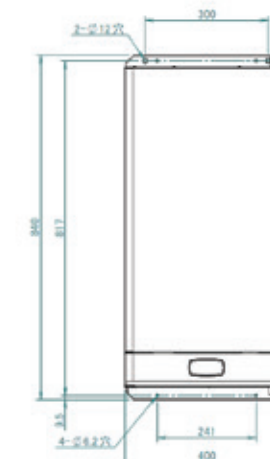
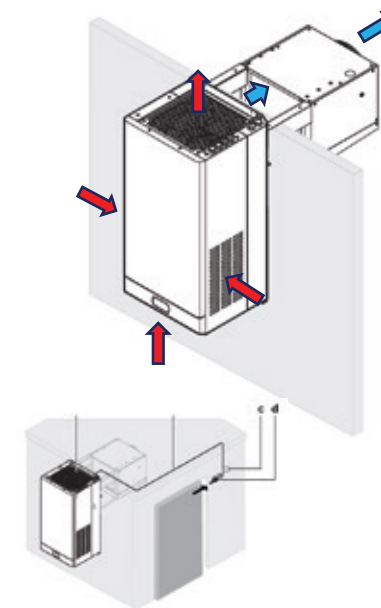
Max. Cooling Capacity

Model	Rated Operating Freq. (Hz)	External Temp. (°C BD)	Cold Room Temperature (°C)															
			-25		-20		-15		-10		-5		0		5		10	
			Q	W	Q	W	Q	W	Q	W	Q	W	Q	W	Q	W	Q	W
LMSEY1A09AVM00	50	45	353	490	439	553	544	623	598	565	717	629	832	695	942	762	1045	831
		40	395	480	485	542	588	610	688	679	787	757	879	838	984	912	1061	782
		35	437	470	530	530	631	597	730	664	828	740	918	818	1024	891	1111	935
		32	463	464	560	523	658	589	755	655	853	730	950	807	1048	878	1145	923
		30	471	460	570	519	669	583	768	649	866	723	966	799	1066	870	1177	916
		25	504	450	608	507	715	570	819	634	919	706	1028	780	1140	849	1257	896
		20	538	440	646	496	761	557	870	619	972	689	1090	761	1214	828	1336	877
		15	572	430	684	484	807	543	921	604	1031	672	1152	742	1288	807	1416	857
		10	605	420	722	472	853	530	972	589	1089	655	1215	723	1362	785	1496	838
5	639	410	760	461	899	517	1023	573	1154	637	1277	704	1436	764	1575	819		
LMSEY1A13AVM00	50	45	462	701	588	795	733	890	598	565	717	629	832	695	942	762	1045	831
		40	516	686	649	778	792	870	931	962	1062	1054	1184	1146	1311	1238	1061	782
		35	571	671	710	761	850	850	988	940	1117	1030	1237	1119	1364	1209	1484	1270
		32	604	662	750	750	886	839	1023	927	1151	1015	1280	1103	1396	1191	1530	1254
		30	615	656	763	744	901	831	1040	918	1168	1005	1301	1092	1420	1180	1573	1243
		25	659	642	814	727	963	811	1109	896	1240	981	1385	1066	1519	1150	1679	1216
		20	703	627	865	709	1025	792	1178	874	1312	957	1469	1039	1617	1121	1786	1190
		15	746	612	915	692	1087	772	1247	852	1391	932	1553	1012	1716	1092	1892	1163
		10	790	597	966	675	1149	753	1317	830	1470	908	1636	985	1814	1063	1998	1136
5	834	583	1017	658	1211	733	1386	808	1558	883	1720	959	1913	1034	2105	1109		

Dimensional



Installation drawing



- a. Unit condenser
- b. Wire (5 m long)
- c. Wire label
- d. Door micro switch

An all-new user experience and ensuring simple configuration

DAIKIN USER is the new App that allows end users of refrigerating systems to interact with the latest generation electronic controllers equipped with Bluetooth technology.

It has been developed to be unique: rather than different versions for each device, there is just one App for all compatible current and future devices.

With a simple and intuitive interface and only using a smartphone, **DAIKIN USER** revolutionises and simplifies the use of refrigerating units, through the use of a mobile device, without the need for PCs, serial converters and optional terminals. Functions and parameters are managed via profiles so as to ensure the correct access level based on the type of user.

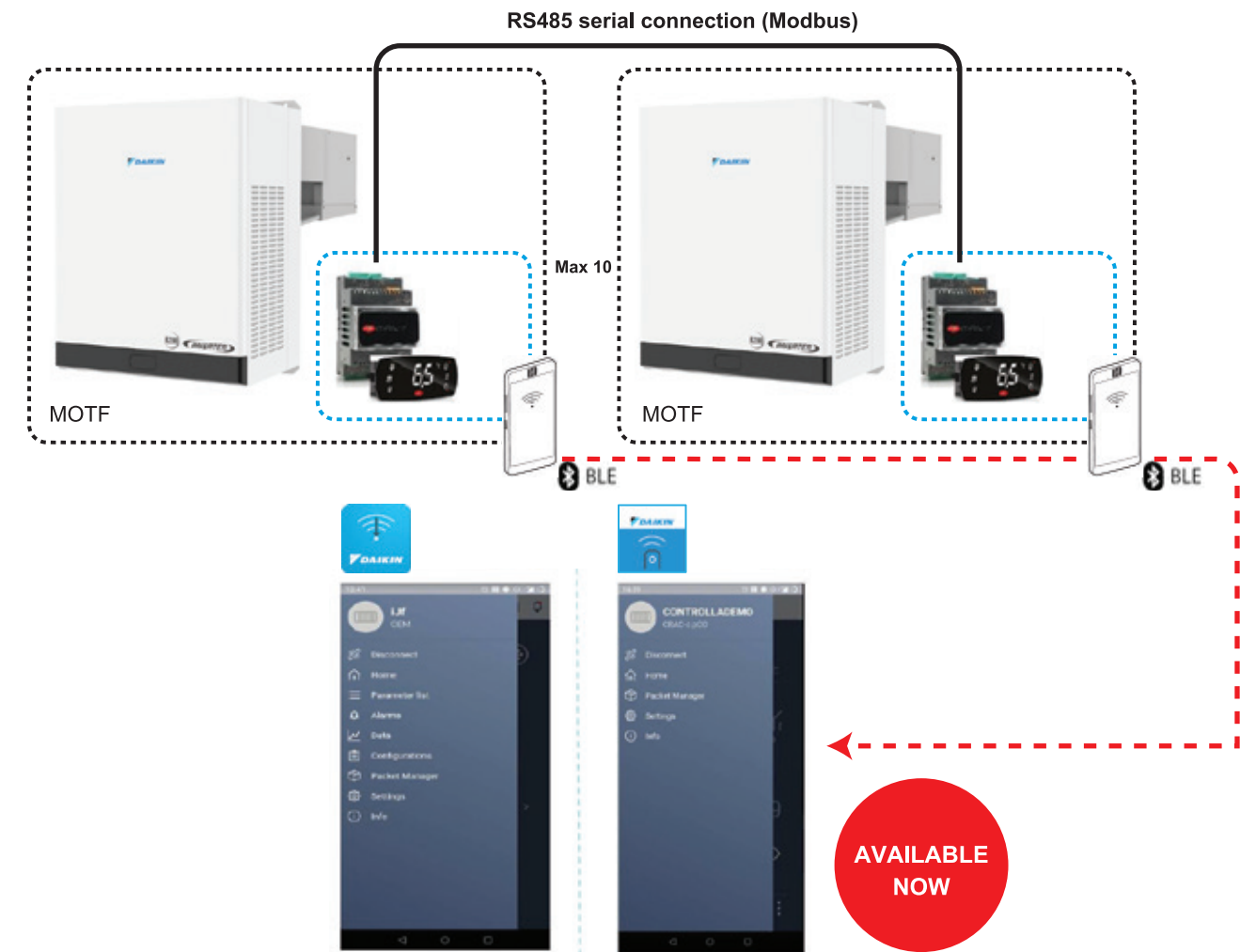
soon available on mobile apps



Main Features

- ▶ Simple and intuitive multilingual interface
- ▶ No new technology or experience needed: smartphones and apps are commonly used by most of the world's population
- ▶ Wireless connectivity with the devices via Bluetooth, avoiding the need for additional wiring in the field
- ▶ Control of temperatures read-out
- ▶ HACCP data recording
- ▶ Up-to-date documentation relating to the connected controller

MONITORING SERVICES: GENERAL OVERVIEW



List of Accessories

TD(K)	Description	Ready at MP (Y/N)	LMSEY1A09AVM01 (LMSEY1A09AVM00)	LMSEY1A13AVM01 (LMSEY1A13AVM00)
1KGM001	Insulating panel (100mm)	Y	✓	✓
1KGM004	Insulating panel (150mm)	Y	✓	✓
1KIT862ACC	Light bulb + bulb holder	Y	✓	✓
3MCT014ACC	Door microswitch	Y	✓	✓
3MCB001ACC	Supervising system for remote monitoring and cloud connection	N	✓	✓
3PRM1613ACC	Remote control panel (5m cable length)	N	✓	✓
T.B.C.	Plenum for ducting the discharge air from condenser in case higher ESP is required	N	✓	✓

A versatile range with low running costs



The models of the GM range are monoblock units characterized by compactness, suitable and accessible to anyone looking for a type of wall installation.

Suitable for small rooms, the GM range is composed by 2 lines: the MGM for medium temperatures (max 38 m³ at Tc= +0°C, Tamb= +32°C) and the BGM for low temperatures (max 39 m³ at Tc= -20°C, Tamb= +32°C).

This range of monoblocs, characterized by remarkable compactness, allows to optimize the useful space inside the cold room, guaranteeing excellent performance and reliability.

The robustness, simplicity of installation and extreme ease of use represent the strong points of these units range, as well as guaranteeing high efficiency in heterogeneous working conditions.

The reciprocating hermetic compressor and the programmed automatic hot gas defrosting, with cycle frequency, make the GM a stand-alone and reliable machine, without the need for recurring maintenance.

The condensation water elimination system is automatic and does not require external connections allowing a clean and autonomous operation thanks to the standard configuration of the unit.

The electrical panel of the GM has an electronic control unit whose operating parameters are already programmed.

The electronic control unit manages the GM and allows the signalling of any anomalies.

THERE IS A UNIT SUITABLE FOR EACH OF THE MOST COMMON APPLICATIONS



GM1

GM2

GM3

Standard Configuration

- Hermetic compressor
- Power supply 220-230/1N~/50 or 380-400/3N~/50
- Air + Axial Fan
- 100mm legs
- Electronic control panel
- Expansion through capillary tube
- Cable for door switch heater on low temperature units
- Filter on the liquid line
- Coldroom light and bulb
- Cable for door micro switch
- Condensate water evaporation tray
- Pressure controlled condenser fan speed regulator
- Drain heater LT
- Straddle mounting
- Cables length 5 m

Personalization Options and Accessories

Power Supply :

- 220-230/1N~/50 (standard MGM103+211 & BGM110+218 units)
- 380-400/3N~/50 (standard MGM212+320 & BGM220+340 units)
- 220-230/1N~/60
- 220-230/3~/50
- 220-230/3~/60
- 440/3~/60
- 380-400/3N~/60
- 110-115/1N~/60
- 460/3~/60
- GM3 (BGM340) panel kit | 100mm
- GM1 panel kit | 150mm
- GM2 panel kit | 150mm
- GM3 panel kit | 150mm
- GM3 (BGM340) panel kit | 150mm
- Audible and visual alarm
- Remote control panel for 2-3-4 units
- Remote control panel for 1 unit
- Prearrangement for supervision system

Winter Kit, Low Ambient Temperature Accessories :

Crankcase heater + Condenser fan pressure switch + Double solenoid valve for defrosting
 Crankcase heater + Pressure controlled condenser fan speed regulator + Double solenoid valve for defrosting

Condensation Type :

- Air + Centrifugal fan
- City water with pressure valve

Accessories Kit :

- GM1 panel kit | 100mm
- GM2 panel kit | 100mm
- GM3 panel kit | 100mm

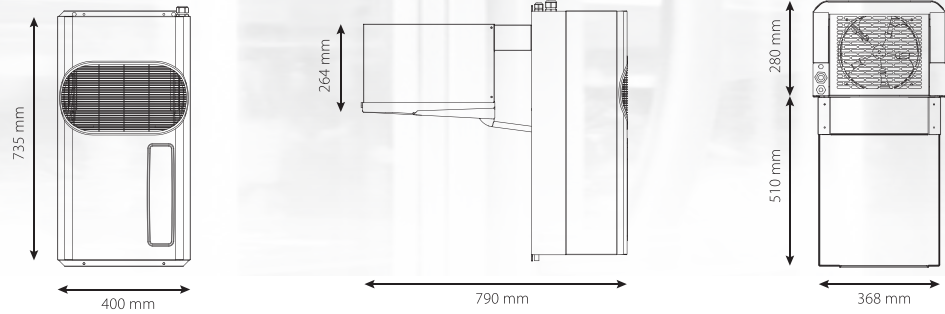
Soundproofing Action :

- 100mm legs + Panel kit
- 150mm legs + Simple noise insulation
- 150mm legs + Simple noise insulation + Panel kit

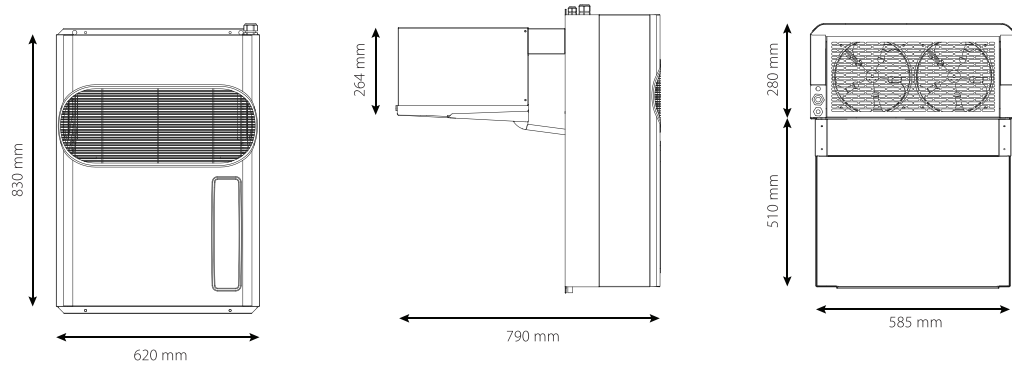
How and here to install the units

Dimensions

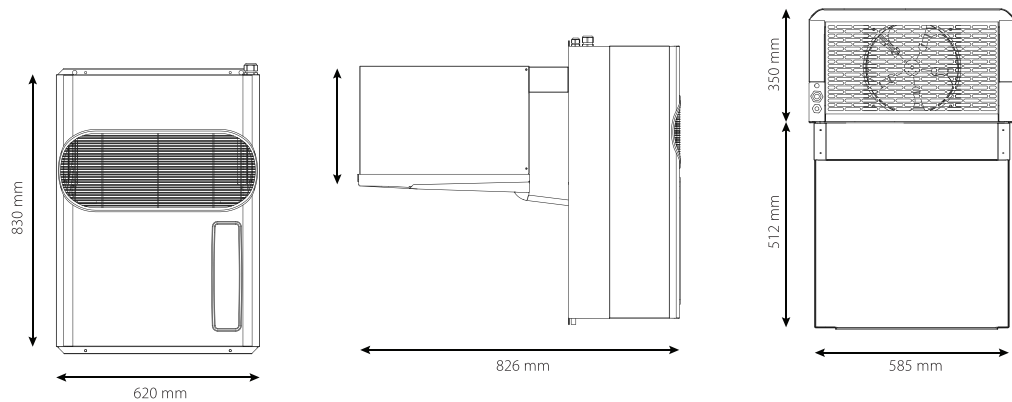
Constructive frame 1



Constructive frame 2



Constructive frame 3



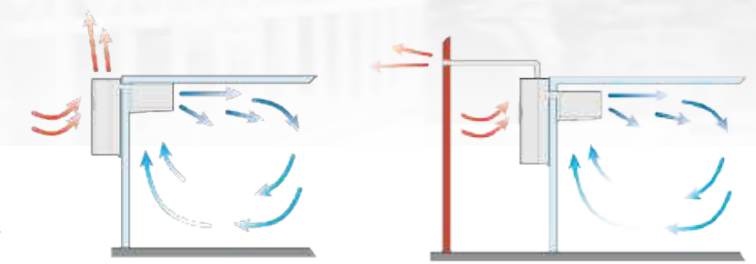
By choosing the centrifugal fan option, the height of the unit varies: the frame 1 becomes 853 mm tall and the frame 2 and 3 become 1006 mm tall.

Airflow

The air flow of the GM units is composed by the flow of the condensing part and the one of the evaporating part. In the condensing part, the air is sucked from the front grille through 1 or more condenser/axial fans (the quantity changes according to the constructive frame) and is then expelled from the upper part.

The condensing part equipped with centrifugal fan, thanks to the blades positioned differently compared to axial fan version, can direct the air flow by means of a duct towards a specific direction to avoid excessive heating of the surrounding environment.

Inside the refrigerated room, in the evaporating part, the air is sucked in from the lower part of the evaporator and then expelled from the front.

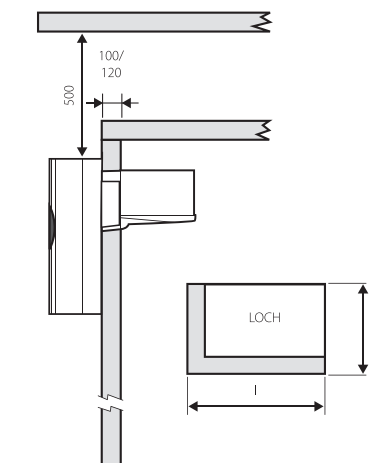


Axial fan

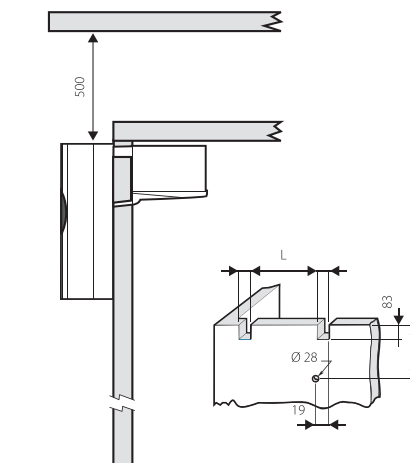
Centrifugal fan

Installation method

THROUGH-THE-WALL



STRADDLE-TYPE



The body of the condensing part has been designed to reduce as much as possible the occupied space outside the cold room. The units are ideally designed for straddle wall installation, which is simple and minimally invasive.

The version for through wall installation is also available, in which a hole is executed through the cold room wall, recreating, thanks to an insulating panel installed on the machine, the thickness of the insulating panel that has been removed.

	Frame 1	Frame 2	Frame 3
H	335 mm	335 mm	440 mm
I	375 mm	590 mm	590 mm
L	288 mm	503 mm	503 mm
M	316 mm	316 mm	425 mm



Medium Temperature Units

Code	Refrigerant	Power supply [V/Ph~/Hz]	HP Compressor	Defrost	PED Category	Working Temperature [°C]	Cooling Capacity [Watt] [TC=0°C TA=30°C]
MGM103EA11XA	R134A	220-230/1N~/50	1/2	Hot Gas	0	+10 ÷ -5	855
MGM105EA11XA			5/8				978
MGM106EA11XA			3/4				1.120
MGM107EA11XA			1				1.315
MGM110EA11XA			1.2				1.351
MGM211EA11XA			1.2				1.806
MGM212EB11XA			2.3				2.034
MGM315EB11XA			3				3.079
MGM320EB11XA			3.5				3.351

Low Temperature Units

Code	Refrigerant	Power supply [V/Ph~/Hz]	HP Compressor	Defrost	PED Category	Working Temperature [°C]	Cooling Capacity [Watt] [TC=-20°C TA=30°C]		
BGM110DA11XA	R452A	220-230/1N~/50	1	Hot Gas	0	-15 ÷ -25	679		
BGM112DA11XA			1.2				889		
BGM117DA11XA			1.7				1.155		
BGM218DA11XA			1.7				1.429		
BGM220DB11XA			2				1.688		
BGM320DB11XA			380-400/3N~/50		2		0	2.491	
BGM330DB11XA					3			2.701	
BGM340DB11XA					4			3.160	
					2				

A wide range of applications



Restaurants

Food retail

Fishery

Butchers

Leading in Energy Efficiency

AHT continuously invest into research and development to provide impulses worthy of a market leader, applying our know-how to the development of international standards.

Constant optimization of energy saving potentials and a pronounced environmental awareness distinguish our company, striking the right chord in a globalized world. Our eco-friendly refrigeration and freezing appliances have received various environmental awards and certificates.



AHT
a member of **DAIKIN** group



Freezer / Chest Freezers

Milano

Paris

Montreal

Singapore

Palma

Athen

Salzburg



Milano

Key Benefits

- + Low front access height for convenient merchandise placement and withdrawal
- + Improved viewing of merchandise and optimized capacity
- + AHT e-conomize: Massive additional power saving potential due to extensive optimizations in technology and construction
- + Ecologically sound thanks to the natural refrigerant R290 propane
- + Ready to plug in - no additional assembly installation required
- + Cooling and freezing mode can be adjusted on demand

Technical Data		145 (-) VS AD LED	185 (-) VS AD LED	210 (-) VS AD LED	250 (-) VS AD LED
Net Content	Litre	390	595	612	749
Total Display Area (TDA)	m2	0.82	1.24	1.24	1.51
Energy Consumption (at 25°C)	kWh/24h	4.7	6.8	7.1	8.7
Dimensions	mm	1457 x 854 x 833	1850 x 994 x 834	2102 x 854 x 833	2502 x 854 x 833

Flexible Location Options

- ▶ Can be used:
 - as a stand alone unit
 - in a line up
 - as an island
- ▶ Maximizes the use of floor space with an end cabinet
- ▶ Can be either installed below shelving or integrated into existing shelving systems

Temperatures Ranges

- Cooling: -1°C to +5°C
- Freezing: -18°C to -23°C



Paris

Key Benefits

- + Plug in model requiring no extra installation
- + Experience approximately additional 25% energy savings through an electronic speed-controlled compressor (VS)
- + Environmentally friendly with natural refrigerant R290 propane
- + Brilliant LED lighting system which enhances product display, drives sales and reduces maintenance
- + Increase the range of products that you offer to your costumers



Montreal

Key Benefits

- + Increase the range of products that you offer to your costumers
- + Perfect product visibility with stylish glass side panels
- + Brilliant LED lighting system which enhances product display, drives sales and reduces maintenance
- + AHT e-economize: Massive additional power saving potential due to extensive optimizations in technology and construction
- + Regular defrosting with a constant product temperature
- + Ecologically sound thanks to the natural refrigerant R290 propane
- + Ready to plug in, no additional assembly required
- + Cooling and freezing mode can be adjusted on demand



Technical Data		145		185		210		250	
		(-) AD IQ LED	(-) VS AD IQ LED	(-) AD IQ LED	(-) VS AD IQ LED	(-) AD IQ LED	(-) VS AD IQ LED	(-) AD IQ LED	(-) VS AD IQ LED
Net Content	Litre	425	425	571	571	664	664	812	812
Total Display Area (TDA)	m2	0.82	0.82	1.10	1.10	1.24	1.24	1.51	1.51
Energy Consumption (at 25°C)	kWh/24h	8.3	5.6	9.0	7.55	9.2	8.06	9.9	9.4
Dimensions	mm	1457 x 853 x 833		1854 x 853 x 833		2102 x 853 x 833		2502 x 853 x 833	

Flexible Location Options

- ▶ Can be used:
 - as a stand alone unit
 - in a line up
 - as an island
- ▶ Maximizes the use of floor space with an end cabinet
- ▶ Can be either installed below shelving or integrated into existing shelving systems

Temperatures Ranges

- Cooling: -1°C to +5°C
- Freezing: -18°C to -23°C

Technical Data		SLIM 175		SLIM 210		SLIM 250		SLIM EC	
		(-) VS AD IQ LED	(-) VS AD IQ LED	(-) VS AD IQ LED	(-) VS AD IQ LED	(-) VS AD IQ LED	(-) VS AD IQ LED	(-) VS AD IQ LED	(-) VS AD IQ LED
Net Content	Litre	450	599	734	551				
Total Display Area (TDA)	m2	0.98	1.21	1.48	1.19				
Energy Consumption (at 25°C)	kWh/24h	5.3	5.7	6.7	8.6				
Dimensions	mm	1753 x 854 x 910	2103 x 854 x 910	2503 x 854 x 910	1853 x 993 x 910				

Flexible Location Options

- ▶ Can be used:
 - as a stand alone unit
 - in a line up
 - as an island
- ▶ Maximizes the use of floor space with an end cabinet
- ▶ Can be either installed below shelving or integrated into existing shelving systems

Temperatures Ranges

- Cooling: -1°C to +7°C
- Freezing: -18°C to -23°C



Singapore

Key Benefits

- + Improved display area with an innovative Push-back lid system, incorporating an optimum useful load
- + Brilliant LED lighting system which enhances product display, drives sales and reduces maintenance
- + Plug in model - requiring no extra installation
- + Higher energy-saving can be achieved in comparison to conventional open units
- + Low investment and operating costs
- + Cooling and freezing mode can be adjusted on demand



Palma

Key Benefits

- + Easy to access and look into from all sides
- + Low space requirements - also perfectly suited to small formats
- + Ready to use without any additional installation work
- + Ecologically safe due to the natural refrigerant R290 propane
- + Cooling and freezing mode can be adjusted on demand



Technical Data		145		185		210		250	
		(-) AD LED	(-) VS AD LED	(-) AD LED	(-) VS AD LED	(-) AD LED	(-) VS AD LED	(-) AD LED	(-) VS AD LED
Net Content	Litre	408	408	754	658	724	633	885	776
Total Display Area (TDA)	m ²	0.82	0.82	1.07	1.19	1.12	1.12	1.37	1.43
Energy Consumption (at 25°C)	kWh/24h	8.2	5.62	5.62	9.0	9.5	8.2	10.7	9.6
Dimensions	mm	1457 x 854 x 910		1850 x 994 x 910		2102 x 854 x 910		2502 x 854 x 910	

Flexible Location Options

- ▶ Can be used:
 - as a stand alone unit
 - in a line up
 - as an island
- ▶ Maximizes the use of floor space with an end cabinet
- ▶ Can be either installed below shelving or integrated into existing shelving systems

Temperatures Ranges

- Cooling: -1°C to +5°C
- Freezing: -18°C to -23°C

Technical Data		185	
		(-) VS AD IQ LED	(-) VS AD LED
Net Content	Litre	571	571
Total Display Area (TDA)	m ²	1.10	1.10
Energy Consumption (at 25°C)	kWh/24h	7.55	9.0
Dimensions	mm	1852 x 853 x 833	

Flexible Location Options Temperatures Ranges

- ▶ Can be used:
 - as a stand alone unit
 - in a line up
- Cooling: -1°C to +5°C
- Freezing: -18°C to -23°C



Athen

Salzburg



Key Benefits

- + Improved display area incorporating an optimum useful load
- + Brilliant LED lighting system which enhances product display, drives sales and reduces maintenance
- + Experience approximately additional 25% energy savings through an electronic speed-controlled compressor (VS)
- + Environmentally friendly with natural refrigerant R290 propane
- + Plug in model requiring no extra installation

Key Benefits

- + High net volume delivered meaning more products can be provided
- + Ready to plug in immediately as it is an integral cabinet
- + Higher energy-saving can be achieved in comparison to conventional open units
- + Maintenance-free refrigeration system

Technical Data		175 (-) VS AD	207 (-) VS AD	210 (-) VS AD
Net Content	Litre	705	853	875
Total Display Area (TDA)	m2	1.44	1.79	1.75
Energy Consumption (at 25°C)	kWh/24h	8.5	9.9	8.7
Dimensions	mm	1752 x 993 x 910	2080 x 996 x 910	2102 x 993 x 910

Technical Data		175 (-)	210 (-)	250 (-)
Net Content	Litre	577	710	865
Total Display Area (TDA)	m2	1.03	1.23	1.5
Energy Consumption (at 25°C)	kWh/24h	4.4	5.5	6.8
Dimensions	mm	1750 x 800 x 830	2100 x 800 x 830	2500 x 800 x 830

Flexible Location Options

- ▶ Can be used:
 - as a stand alone unit
 - in a line up
 - as an island
- ▶ Maximizes the use of floor space with an end cabinet
- ▶ Can be either installed below shelving or integrated into existing shelving systems

Temperatures Ranges

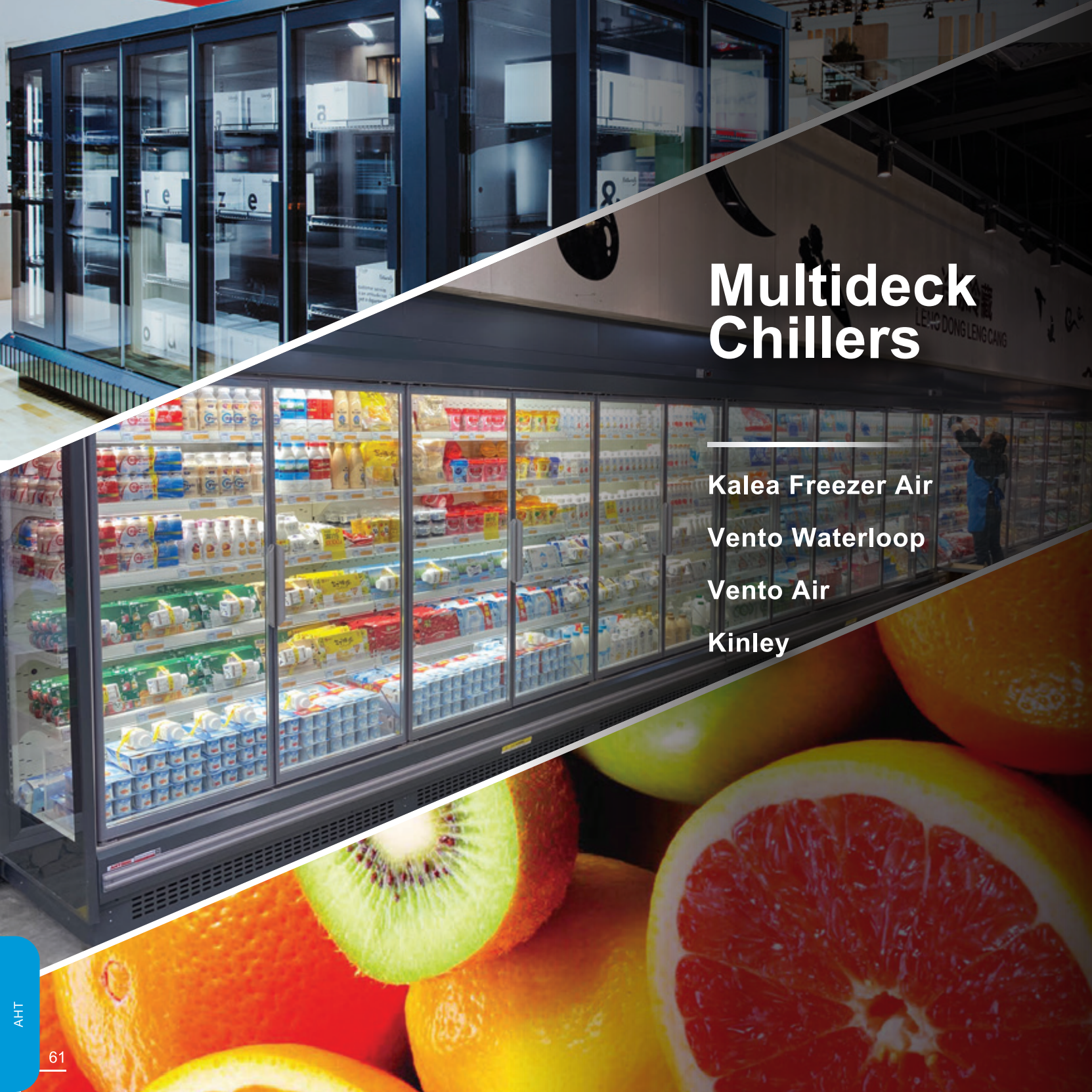
- Cooling: -1°C to +5°C
- Freezing: -18°C to -23°C

Flexible Location Options

- ▶ Can be used:
 - as a stand alone unit
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 - as an island
- ▶ Maximizes the use of floor space with an end cabinet
- ▶ Can be either installed below shelving or integrated into existing shelving systems

Temperatures Ranges

- Freezing: -18°C to -23°C



Multideck Chillers

- Kalea Freezer Air
- Vento Waterloo
- Vento Air
- Kinley



Kalea Freezer Air

Key Benefits

- + Flexible connections, plug-in model, vertical freezer
- + Optimized space utilization thanks to thin cabinet depth
- + High energy efficiency thanks to integrated compressor management
- + Brilliant LED lighting system ensures uniform illumination for best product display
- + Industrially manufactured refrigeration circuits greatly reduce the risk of failure
- + No additional maintenance required, significantly reducing maintenance costs

Technical Data		234	156
Net Content	Litre	1867	1245
Total Display Area (TDA)	m2	2.20	1.46
Energy Consumption (at 25°C)	kWh/24h	-	-
Dimensions	mm	2344 x 910 x 2050	1563 x 910 x 2050

Temperatures Ranges

- Freezing: -18°C to -23°C



Vento Water

Vento Air

Key Benefits

- + Completely flexible, connectable, plug in shelf units
- + No refrigerant leakage thanks to full integration of all required refrigeration components into the shelf units
- + Fast setup thanks to "Plug & Chill" technology - no substantial installation work required
- + Optimized space utilization thanks to the standard footprints
- + Total of freedom of layout in the store as well as simple repositioning and system expansion - even in existing stores
- + Minimal maintenance requirements

Key Benefits

- + Completely flexible, connectable, plug in shelf units
- + No refrigerant leakage thanks to full integration of all required refrigeration components into the shelf units
- + Fast setup thanks to "Plug & Chill" technology - no substantial installation work required
- + Optimized space utilization thanks to the standard footprints
- + Total freedom layout in the store as well as simple repositioning and system expansion - even in existing stores
- + Minimal maintenance requirements



Technical Data		Vento Waterloop					Vento GD				
		LG 375	LG 250	LS6 375	LS6 250	LS6 187	L6 375 GD	L6 250 GD	LS6 375 GD	LS6 250 GD	LS6 187 GD
Net Content	Litre	2460	1650	2180	1450	1100	2460	1650	2180	1450	1100
Total Display Area (TDA)	m ²	6	4	6	4	3	4.7	3.37	4.69	3.35	2.7
Energy Consumption	kWh/24h	45	34	45	33	25	20	3.4	4.69	3.35	2.7
Dimensions (WxDxH)	mm	3750 x 1011 x 2095	2500 x 1010 x 2095	3750 x 950 x 2095	2500 x 950 x 2095	1875 x 950 x 2095	3750 x 1011 x 2095	2500 x 1010 x 2095	3750 x 950 x 2095	2500 x 950 x 2095	1875 x 950 x 2095

Technical Data		Vento Air			Vento Air GD		
		LS6 375	LS6 250	LS6 187	LS6 375 GD	LS6 250 GD	LS6 187 GD
Net Content	Litre	2180	1450	1100	2180	1450	1100
Total Display Area (TDA)	m ²	6	4	3	4.69	3.35	2.7
Energy Consumption	kWh/24h	48	35	30	21.3	14.9	12.2
Dimensions (WxDxH)	mm	3750 x 950 x 2222	2500 x 950 x 2222	1875 x 950 x 2222	3750 x 950 x 2222	2500 x 950 x 2222	1875 x 950 x 2222

No discharging of heat into the sales space

- Ready for Installation
- Optimized energy consumption
- External waste heat unit
- Flexibility
- Extremely low use of refrigerants

With waste heat utilization

- The waste heat from the multidesk can easily be used for heating the store
- Central cooling air conditioning system and heating are possible
- Various heating systems can be connected to the water circuit

Temperatures Ranges

- M1: -1°C to +5°C (Suitable for fresh fish & meat)
- M2: -1°C to +7°C (Suitable for daily products)

Operation in Air Mode

- Direct heat discharge into the sales space assists store heating during heating periods
- Minimal installation work
- Increased customer comfort
- No cold air in front of the refrigerated shelves

- No additional investments
- No building alterations
- Integrated option for best removal via water the summer (redundant system)
- Outstanding product protection

Temperatures Ranges

- M1: -1°C to +5°C (Suitable for fresh fish & meat)
- M2: -1°C to +7°C (Suitable for daily products)



Kinley

Key Benefits

- + Ideal addition to the AHT chest appliance portfolio with additional buying incentive due to optimal product presentation at eye level
- + Creation of additional sales and presentation area by making perfect use of the available floor space
- + Excellent product accessibility
- + Universally deployable with all AHT supermarket appliance series - including retrofitting of existing AHT installations
- + Environmentally safe thanks to the natural refrigerant R290 propane
- + Excellent LED lighting system ensures perfect product presentation and reduces maintenance
- + Plug-in model, no additional installation required

Technical Data		210XL VSAD	250XL VSAD
Net Content	Litre	592	713
Total Display Area (TDA)	m2	1.03	1.21
Energy Consumption (at 25°C)	kWh/24h	-	-
Dimensions	mm	2102 x 663 x 1317	2502 x 663 x 1317

Temperatures Ranges

- Freezing: -18°C to -23°C



Ice Cream Chests

Rio
Sao Paulo



Rio

Key Benefits

- + Excellent product visibility due to low cabinet height
- + Easy to move, 2 part, curved or flat glass sliding lids with the proven and patented injected, one piece AHT lid frame
- + Ready to plug in
- + Reinforced insulation (72 mm) for reserve refrigeration and low energy consumption
- + Environmentally friendly with natural refrigerant



Technical Data		S 68	S 100	S 125	S 150	S 175	H 68	H 100	H 125	H 150	H 175
Net Content	Litre	102	190	258	327	396	117	215	291	367	443
Total Display Area (TDA)	m2	0.25	0.4	0.52	0.65	0.78	0.25	0.4	0.52	0.65	0.78
Dimensions (WxDxH)	mm	680 x 650 x 766	1000 x 650 x 766	1250 x 650 x 766	1500 x 650 x 766	1750 x 650 x 766	680 x 650 x 880	1000 x 650 x 880	1250 x 650 x 880	1500 x 650 x 880	1750 x 650 x 880

Temperatures Ranges

- Freezing: -14°C to -23°C



Sao Paulo

Key Benefits

- + Low height for easy access for children
- + Easy sliding two part, flat glass lids with the worldwide patented, tried and tested, injected, one piece AHT lid frame
- + Different types for packed ice cream and scooping ice cream
- + Ready to plug in without additional installation expenditure
- + Environmentally friendly with natural refrigerant



Technical Data		150 H	175 H
Net Content	Litre	412	498
Total Display Area (TDA)	m2	0.8	0.88
Dimensions (WxDxH)	mm	1498 x 709 x 880	1748 x 709 x 880

Temperatures Ranges

- Freezing:
- Packed Ice Cream: -14°C to -23°C
 - Scooping Ice Cream: -6°C to -24°C

