

Medium Temp.	Model Name	R452A		R448A/ R449A		R454C		R455A		EN 1215 SHD						Sound Level @10m [dB(A)]						
		Cooling Cap. [kW] @32°C	-10°C	0°C	Cooling Cap. [kW] @32°C	-10°C	0°C	Cooling Cap. [kW] @32°C	-10°C	Max Absorb Current [A]	Housing	Dimensions (mm)		Weight	Fan		Liquid Receiver [dm³]	Connections				
												A	L					P	Net (kg)	Air Flow [m³/h]	Suction	Liquid
230 V / 1 phase / 50 Hz																						
		834	1214	808	1209	714	1077	813	1218	5.3		982	484	600	67	1695	1.6	3/6	1/4	28		
		1102	1569	1087	1588	992	1476	1126	1665	6.7		982	982	982	67	1695	1.6	3/6	1/4	28		
		1316	1871	1314	1899	1235	1924	1395	2122	8.5		982	982	982	69	1695	1.6	1/2	1/4	29		
		1666	2419	1634	2400	1463	2324	1641	2600	9	Housing 1	982	982	982	69	1523	2.3	1/2	1/4	29		
		1807	2619	1801	2656	1625	2508	1809	2750	10.3		982	982	982	69	1523	2.3	1/2	1/4	29		
		1934	2860	2044	3074	1843	2943	2158	3250	10.3		982	982	982	76	1523	2.3	5/6	3/6	30		
		2244	3201	2274	3287	2203	3097	2290	3394	16.7		982	982	982	76	1523	2.3	5/6	3/6	30		
		3778	5359	3818	5464	3437	4961	3778	5357	14.3		1082	1082	1082	92	2673	3.9	3/4	1/2	33		
		4481	6335	4527	6432	4078	5845	4469	6297	18.6	Housing 2	1082	1082	1082	92	2545	3.9	3/4	1/2	33		
		5048	7156	4635	6590	4613	6607	5060	7108	18.4		1082	1082	1082	92	2545	3.9	3/4	1/2	33		
400 V / 3 phases / 50 Hz																						
		2042	3045	2043	3071	1842	2752	2038	3022	4.2		982	484	600	76	1523	2.3	5/6	3/6	30		
		2457	3506	2476	3585	2310	3392	2527	3685	4.4	Housing 1	982	484	600	76	1523	2.3	5/6	3/6	30		
		3256	4607	3266	4721	371	4670	3469	5059	6		1082	490	708	88	2673	3.9	5/6	3/6	34		
		3984	5577	3877	5546	3457	4988	3806	6009	5.7	Housing 2	1082	490	708	92	2673	3.9	3/4	1/2	33		
		4559	6442	4635	6580	4183	5990	4469	6297	6.3		1082	490	708	92	2545	3.9	3/4	1/2	33		
		5117	7683	5209	7589	4703	6742	5167	7593	7		1082	490	708	92	2545	3.9	3/4	1/2	33		
		6419	8274	6482	9344	5825	8454	6331	8945	8.5		1277	538	1005	107	5195	6	7/8	5/6	36		
		7625	10870	7751	11086	6877	9399	7811	10774	9.9	Housing 3	1277	538	1005	107	5195	6	7/8	5/6	36		
		8894	12583	8087	11594	7752	10802	8995	12673	11.7		1277	538	1005	107	4739	6	7/8	5/6	36		

Low Temp.	Model Name	R448A/ R449A		R454C		R455A		EN 1215 SHD						Sound Level @10m [dB(A)]								
		Cooling Cap. [kW] @32°C	-35°C	-30°C	Cooling Cap. [kW] @32°C	-35°C	-30°C	Cooling Cap. [kW] @32°C	-35°C	Max Current [A]	Housing	Dimensions (mm)			Weight	Fan	Liquid Receiver [dm³]	Connections				
												A	L					P	Net (kg)	Air Flow [m³/h]	Suction	Liquid
230 V / 1 phase / 50 Hz																						
		693	889	N/A	N/A	537	790	638	868	9.6	Housing 1	982	484	600	69	1523	2.3	1/2	1/4	29		
		1326	1665	1327	1671	1183	1484	1324	1669	11.4		1082	490	708	92	2673	3.9	3/4	1/2	33		
		1622	2041	1612	2033	1433	1813	1603	2028	14.3	Housing 2	1082	490	708	92	2673	3.9	3/4	1/2	33		
		1816	2282	1815	2266	1615	2041	1810	2284	16.7		1082	490	708	92	2673	3.9	3/4	1/2	33		
400 V / 3 phases / 50 Hz																						
		1016	1338	N/A	N/A	938	1246	1014	1363	4.4		1082	490	708	88	2673	3.9	1/2	3/6	34		
		1342	1696	1349	1698	1209	1527	1349	1701	4.7	Housing 2	1082	490	708	92	2673	3.9	1/2	3/6	33		
		1883	2316	1853	2305	1477	1869	1648	2085	5.8		1082	490	708	92	2673	3.9	1/2	3/6	33		
		1842	2315	1850	2330	1657	2083	1850	2334	6.7		1082	490	708	92	2673	3.9	1/2	3/6	33		
		2254	2844	2253	2849	2011	2548	2238	2937	8.5		1277	538	1005	107	5195	6	7/8	1/2	36		
		2851	3323	2680	3368	2389	3023	2685	3374	9.4		1277	538	1005	107	5195	6	7/8	1/2	36		
		3195	4016	3222	4059	2884	3644	3223	4085	10.7	Housing 3	1277	538	1005	107	5195	6	7/8	1/2	36		
		3629	4692	3678	4674	3480	4386	3694	4867	12.3		1277	538	1005	107	5195	6	7/8	1/2	36		

think ahead

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BIOMA+

Hear nothing but endless possibilities



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think ahead

The quietest condensing unit of the range, now more sustainable with A2L available.



Silent: with a robust design that absorbs vibrations, models range from 28 to 36 dB (A)



Easy access to all internal components

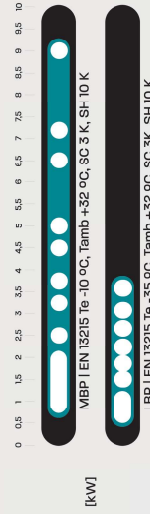


Robust design: Stackability and longitudinal airflow



Compressors compatible with several A1 and A2L refrigerants

Capacity of refrigeration

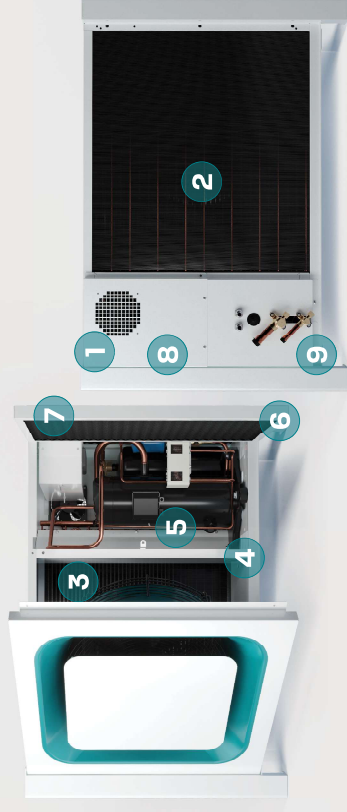


Main application:
Cold Room



Available in:
R452A | R448A | R449A
NEW A2L:
R454C and R455A

Engineered to positively impact.



1. Safety

Bioma+ features a redesigned electrical box and extra fan for safer use with A2L refrigerants.

2. Condenser

Fin-and-tube design resists field conditions and simplifies maintenance with integrated fan access door.

3. Variable-speed fan

Adjusts condensation pressure, reducing noise and energy use; now A2L compatible.

4. Pressure switches

Dual adjustable switch with automatic reset for high and low pressure.

5. Compressor

Reciprocating or scroll models with heater, wide capacity, and temperature range; supports liquid injection.

6. 3 doors with lock

New three-door design with central access for faster, easier entry.

7. Foam insulation

Five-side insulation cuts noise and boosts performance.

8. Additional pressure relief valve

Ready for EN 378-2 compliant valve (optional).

9. Brazed connections

New brazed service valves for safer A2L handling.



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