

Silent Units Range

BIOMA

Product benefits



Multi refrigerant platform:
R452A, R449A, R448A,
R134a, R513A



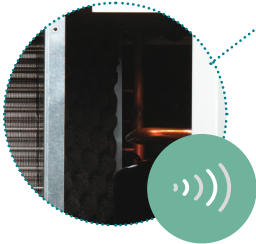
INNOVATIVE DESIGN

- Hidden fan - Stylish design for a new experience
- Unique airflow management
- Mini channel condenser - 40% less refrigerant charge



COMPACTNESS

- Optimized dimensions to reduce surface area
- Stackability: Unique offer to stack units from different dimensions



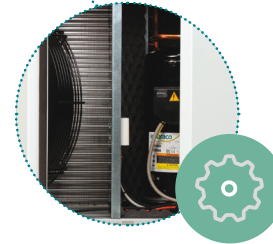
PERFORMANCE AND OPTIMIZED SOUND LEVEL

- Robust design to absorb vibration and noise with improved outdoor performances
- Improved efficiency with Variable Speed technology
- Sound level as low as 28dB (A)
- Acoustic jacket on scroll
- Fan speed controller as standard
- 5 faces insulated with acoustic foam



ACCESSIBILITY

- 3 door access on hinges - ¼ turn door lock to open/close
- Direct access to components you can set or change
- Direct access to fan and condenser



FLEXIBILITY

- Multi-Refrigerant platform: R452A, R449A, R448A, R134a, R513A
- Fully equipped electrical box
- Condenser treatment against corrosive environment

HIGH EFFICIENCY RANGE: FROM 0.5 kW TO 19 kW

0,5 kW **LBP R449A - R452A 4 kW**

0,7 kW **MBP R134a - R513A 6 kW**

0,7 kW **MBP R449A - R452A 19 kW**

Test conditions: rated point EN13215 MBP-LBP

VARIABLE SPEED PORTFOLIO - MEDIUM TEMPERATURE

MODELS	R449A				Max Absorb. Power (kW)	Dimensions (mm)			Weight Net (kg)	I max (A)	Fan		Liquid receiver (dm ³)	Connections (Brazed)		S.P. 10m (dB)*
	CAP (kW)		-10°C	0°C		Height	Length	Width			Nr.	Airflow (m ³ /h)		Suction (mm)	Liquid (mm)	
	Load	-10°C														
Compressor 400V - 3ph - 50Hz / 60Hz / Fan 230V - 1ph - 50Hz / 60Hz																
UP-VSE6038GS	min	3.67	5.28	1.67	1005	1700	750	225	17.0	1	5201	6	22	16	34,3	
	max	7.62	10.69	4.43												
UP-VSE6050GS	min	4.74	6.81	2.42	1005	1700	750	230	28.7	1	5201	6	22	16	34,3	
	max	9.73	13.58	6.18												
UP-VSE6072GS	min	6.94	9.97	2.87	1650	1700	750	330	33.7	2	11108	11	28	16	36,4	
	max	14.54	20.36	7.40												
UP-VSE6038GS + SE6026GS (dual compressor)	min	3.78	5.51	1.75	1650	1700	750	375	39.5	2	11108	18	28	16	35,4	
	max	14.30	20.14	8.13												
UP-VSE6050GS + SE6036GS (dual compressor)	min	4.90	7.10	2.45	1650	1700	750	380	54.2	2	11108	18	28	16	35,4	
	max	18.66	26.07	11.37												

Ambient Temp. 32°C, Superheating 10K

* Considering minimum load

FIXED SPEED - LOW TEMPERATURE

MODELS	R452A		R449A		Max Absorb. Power (kW)	Dimensions (mm)			Weight Net (kg)	I max (A)	Fan		Liquid receiver (dm ³)	Connections (SAE)		S.P. 10m (dB)
	CAP (kW)		-35°C	-30°C		Height	Length	Width			Nr.	Airflow (m ³ /h)		Suction (mm)	Liquid (mm)	
	-35°C	-30°C														
Compressor 230V - 1ph - 50Hz / Fan 230V - 1ph - 50Hz																
UP-NT2180GK	0.49	0.63	-	-	0.99	600	982	484	69	8.7	1	1695	1.6	1/2	1/4	29
UP-NT2192GK	0.52	0.68	-	-	1.06	600	982	484	69	8.5	1	1695	1.6	1/2	3/8	29
UP-NT2212GK	0.69	0.90	-	-	1.32	600	982	484	69	9.6	1	1523	2.3	1/2	3/8	29
UP-SE2006GK	1.18	1.46	1.21	1.51	1.68	708	1082	490	92	11.4	1	2673	3.9	3/4	3/8	33
UP-SE2008GK	1.47	1.82	1.53	1.90	2.20	708	1082	490	92	14.3	1	2673	3.9	3/4	3/8	33
UP-SE2010GK	1.70	2.10	1.77	2.19	2.63	708	1082	490	92	16.7	1	2673	3.9	3/4	3/8	33
Compressor 400V - 3ph - 50Hz / Fan 230V - 1ph - 50Hz																
UP-NJX2219GS	1.02	1.34	-	-	1.91	708	1082	490	88	4.4	1	2673	1.6	1/2	3/8	34
UP-SE2006GS	1.18	1.46	1.21	1.51	1.67	708	1082	490	92	4.7	1	2673	3.9	3/4	3/8	33
UP-SE2008GS	1.47	1.82	1.53	1.90	2.16	708	1082	490	92	5.8	1	2673	3.9	3/4	3/8	33
UP-SE2010GS	1.70	2.10	1.77	2.20	2.56	708	1082	490	92	6.7	1	2673	3.9	3/4	3/8	33
UP-SE2012GS	2.29	2.84	2.36	2.94	3.17	1005	1277	538	107	8.5	1	5195	6.0	7/8	1/2	36
UP-SE2014GS	2.65	3.28	2.74	3.41	3.42	1005	1277	538	107	9.4	1	5195	6.0	7/8	1/2	36
UP-SE2017GS	3.10	3.83	3.22	3.99	4.00	1005	1277	538	107	10.7	1	5195	6.0	7/8	1/2	36
UP-SE2020GS	3.57	4.41	3.73	4.61	4.75	1005	1277	538	107	12.3	1	5195	6.0	7/8	1/2	36

Ambient Temp. 32°C, Superheating 10K



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FIXED SPEED - MEDIUM TEMPERATURE

MODELS	R452A		R449A		Max Absorb. Power (kW)	Dimensions (mm)			Weight Net (kg)	I max (A)	Fan		Liquid receiver (dm ³)	Connections (SAE)		S.P. 10m (dB)
	CAP (kW)		CAP (kW)			Height	Length	Width			Nr.	Airflow (m ³ /h)		Suction (mm)	Liquid (mm)	
	-10°C	0°C	-10°C	0°C												
Compressor 230V - 1ph - 50Hz / Fan 230V - 1ph - 50Hz																
UP-NEU6212GK	0.83	1.21	0.81	1.21	0.61	600	982	484	67	5.3	1	1695	1.6	3/8	1/4	28
UP-NEU6215GK	1.10	1.57	1.09	1.59	0.84	600	982	484	67	6.7	1	1695	1.6	3/8	1/4	28
UP-NT6222GK	1.32	1.87	1.31	1.90	1.12	600	982	484	69	8.5	1	1695	1.6	1/2	3/8	29
UP-NT6224GK	1.67	2.42	1.63	2.40	1.23	600	982	484	69	9.0	1	1523	2.3	1/2	3/8	29
UP-NT6226GK	1.81	2.62	1.80	2.66	1.34	600	982	484	69	10.3	1	1523	2.3	1/2	3/8	29
UP-NJ9232GK	1.93	2.86	2.04	3.07	1.56	600	982	484	76	10.3	1	1523	2.3	5/8	3/8	30
UP-NTU6238GKV	2.24	3.20	2.27	3.29	1.52	600	982	484	76	16.7	1	1523	2.3	5/8	3/8	30
UP-SE6015GK	3.57	5.08	3.73	5.21	2.56	708	1082	490	92	14.3	1	2673	3.9	5/8	1/2	33
UP-SE6018GK	4.26	6.05	4.45	6.21	2.98	708	1082	490	92	16.6	1	2545	3.9	3/4	1/2	33
UP-SE6021GK	4.74	6.69	4.96	6.89	3.42	708	1082	490	92	18.4	1	2545	3.9	3/4	1/2	33
Compressor 400V - 3ph - 50Hz / Fan 230V - 1ph - 50Hz																
UP-NJ9232GS	2.04	3.05	2.04	3.07	1.61	600	982	484	76	4.2	1	1523	2.3	5/8	3/8	30
UP-NJ9238GS	2.46	3.51	2.48	3.57	1.94	600	982	484	76	4.4	1	1523	2.3	5/8	3/8	30
UP-NJX6250GS	3.26	4.61	3.27	4.72	2.48	708	1082	490	92	6.0	1	2673	3.9	5/8	3/8	34
UP-SE6015GS	3.58	5.08	3.73	5.22	2.51	708	1082	490	92	5.7	1	2673	3.9	3/4	1/2	33
UP-SE6018GS	4.27	6.07	4.46	6.22	2.83	708	1082	490	92	6.3	1	2545	3.9	3/4	1/2	33
UP-SE6021GS	4.76	6.71	4.98	6.91	3.23	708	1082	490	92	7.0	1	2545	3.9	3/4	1/2	33
UP-SE6026GS	6.28	8.97	6.53	9.18	3.86	1005	1277	538	107	8.5	1	5195	6.0	7/8	5/8	36
UP-SE6030GS	6.99	9.95	7.30	10.20	4.34	1005	1277	538	107	9.9	1	5195	6.0	7/8	5/8	36
UP-SE6036GS	8.73	12.46	9.08	12.74	5.05	1005	1277	538	107	11.7	1	4739	6.0	7/8	5/8	36

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FIXED SPEED - MEDIUM TEMPERATURE

MODELS	R134a		R513A		Max Absorb. Power (kW)	Dimensions (mm)			Weight Net (kg)	I max (A)	Fan		Liquid receiver (dm ³)	Connections (SAE)		S.P. 10m (dB)
	CAP (kW)		CAP (kW)			Height	Length	Width			Nr.	Airflow (m ³ /h)		Suction (mm)	Liquid (mm)	
	-10°C	0°C	-10°C	0°C												
Compressor 230V - 1ph - 50Hz / Fan 230V - 1ph - 50Hz																
UP-NEU6214Z	0.87	1.33	0.90	1.33	0.78	600	982	484	67	6.5	1	1695	1.6	3/8	1/4	28
UP-NJ6220Z	1.16	1.74	1.18	1.76	1.17	600	982	484	69	10.3	1	1695	1.6	1/2	1/4	28
UP-NJ6226Z	1.48	2.14	1.51	2.16	1.47	600	982	484	69	10.3	1	1695	1.6	1/2	1/4	29
UP-SE6015GK	2.19	3.35	2.29	3.43	1.54	708	1082	490	92	14.3	1	2673	3.9	3/4	1/2	33
UP-SE6018GK	2.61	3.99	2.73	4.09	1.78	708	1082	490	92	16.6	1	2545	3.9	3/4	1/2	33
UP-SE6021GK	2.95	4.48	3.07	4.58	2.01	708	1082	490	92	18.4	1	2545	3.9	3/4	1/2	33
Compressor 400V - 3ph - 50Hz / Fan 230V - 1ph - 50Hz																
UP-NJ6226ZX	1.61	2.26	1.63	2.26	1.40	600	982	484	69	4.3	1	1695	3.9	1/2	1/4	29
UP-SE6015GS	2.19	3.35	2.29	3.44	1.51	708	1082	490	92	5.7	1	2673	3.9	3/4	1/2	33
UP-SE6018GS	2.62	3.99	2.73	4.10	1.69	708	1082	490	92	6.3	1	2545	3.9	3/4	1/2	33
UP-SE6021GS	2.95	4.49	3.07	4.59	1.91	708	1082	490	92	7.0	1	2545	3.9	3/4	1/2	33
UP-SE6026GS	3.81	5.82	3.99	6.00	2.36	1005	1277	538	107	8.5	1	5195	6.0	7/8	5/8	36
UP-SE6030GS	4.29	6.54	4.48	6.72	2.61	1005	1277	538	107	9.9	1	5195	6.0	7/8	5/8	36
UP-SE6036GS	5.28	8.06	5.52	8.30	3.08	1005	1277	538	107	11.7	1	4739	6.0	7/8	5/8	36

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