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New
Silent Units Range

BIOMA



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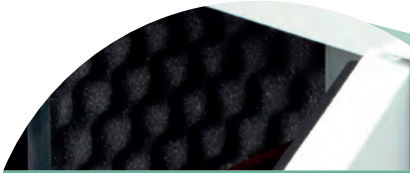


BIOMA range:



INNOVATIVE DESIGN

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



PERFORMANCE AND OPTIMIZED SOUND LEVEL

- Robust design to absorb vibration and noise
- Sound level as low as 28dB (A)
- Acoustic jacket on scroll compressors
- 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



HIGH EFFICIENCY RANGE: FROM 0.5 kW TO 10 kW

0,5 kW LBP R404A - R449A - R452A 4 kW

0,7 kW MBP R134a - R513A 6 kW

0,7 kW MBP R404A - R449A - R452A 10 kW

Test conditions: rated point EN13215 MBP-LBP

product benefits



COMPACTNESS

- Optimized dimensions to reduce surface area (<math><0.6\text{m}^2</math>)
- 1 fan design for all housing sizes
- Stackability: Unique offer to stack units from different dimensions



FLEXIBILITY

- Multi-Refrigerant platform: R404A, R449A, R452A, R134a, R513A
- Fully equipped electrical box
 - Condenser treatment against corrosive environment
- Available with the complete range of Embraco hermetic and scroll compressors

MODELS AND PERFORMANCE

MEDIUM TEMPERATURE		R452A		R449A												
MODELS	Refrig. Power (kW)		Refrig. Power (kW)		Max Abs Power	Dimensions (mm)			Weight	I nom	Fan		Liquid Receiver	Connect Diam. (SAE)		SP 10m
	-10°C	0°C	-10°C	0°C	+10°C	H	W	D	Net (kg)	(A)	Number	AF (m ₃ /h)	dm ₃	Suction (")	Liquid (")	dB (A)
Compressor 230V - 1ph - 50Hz - Fan 230V - 1ph - 50Hz																
UP-NEU6212GK-EAE00	0,83	1,21	0,81	1,21	0,61	600	982	484	54	3,1	1	1695	1,6	3/8	1/4	28
UP-NEU6215GK-EAE00	1,10	1,57	1,09	1,59	0,84	600	982	484	54	2,8	1	1695	1,6	3/8	1/4	28
UP-NT6222GK-EAE00	1,32	1,87	1,31	1,90	1,12	600	982	484	60	4,3	1	1695	1,6	1/2	3/8	29
UP-NT6224GK-EAE00	1,67	2,42	1,63	2,40	1,23	600	982	484	62	4,5	1	1523	2,3	1/2	3/8	29
UP-NT6226GK-EAE00	1,81	2,62	1,80	2,66	1,34	600	982	484	63	4,8	1	1523	2,3	1/2	3/8	29
UP-NJ9232GK-EAE00	1,93	2,86	2,04	3,07	1,56	600	982	484	69	5,7	1	1523	2,3	5/8	3/8	30
UP-NTU6238GKV-EAE00	2,24	3,20	2,27	3,29	1,52	600	982	484	66	5,6	1	1523	2,3	5/8	3/8	30
UP-SE6015GK-EAE00	3,57	5,08	3,73	5,21	2,56	708	1082	490	91	8,5	1	2673	3,9	5/8	1/2	33
UP-SE6018GK-EAE00	4,26	6,05	4,45	6,21	2,98	708	1082	490	91	10,2	1	2545	3,9	3/4	1/2	33
UP-SE6021GK-EAE00	4,74	6,69	4,96	6,89	3,42	708	1082	490	92	11,6	1	2545	3,9	3/4	1/2	33
Compressor 400V - 3ph - 50Hz - Fan 400V - 3ph - 50Hz																
UP-NJ9232GS-EAE00	2,04	3,05	2,04	3,07	1,61	600	982	484	69	2,1	1	1523	2,3	5/8	3/8	30
UP-NJ9238GS-EAE00	2,46	3,51	2,48	3,57	1,94	600	982	484	69	2,9	1	1523	2,3	5/8	3/8	30
UP-NJ6250GS-EAE00	3,26	4,61	3,27	4,72	2,48	708	1082	490	77	3,4	1	2673	3,9	5/8	3/8	34
UP-SE6015GS-EAE00	3,58	5,08	3,73	5,22	2,51	708	1082	490	88	3,2	1	2673	3,9	3/4	1/2	33
UP-SE6018GS-EAE00	4,27	6,07	4,46	6,22	2,83	708	1082	490	89	4,7	1	2545	3,9	3/4	1/2	33
UP-SE6021GS-EAE00	4,76	6,71	4,98	6,91	3,23	708	1082	490	90	4,9	1	2545	3,9	3/4	1/2	33
UP-SE6026GS-EAE00	6,28	8,97	6,53	9,18	3,86	1005	1277	538	126	6,2	1	5195	6	7/8	5/8	36
UP-SE6030GS-EAE00	6,99	9,95	7,30	10,20	4,34	1005	1277	538	127	6,6	1	5195	6	7/8	5/8	36
UP-SE6036GS-EAE00	8,73	12,46	9,08	12,74	5,05	1005	1277	538	127	7,6	1	4739	6	7/8	5/8	36
UP-SE6043GS-EAE00	10,08	14,29	10,53	14,68	6,24	1005	1277	538	129	8,6	1	4739	6	7/8	5/8	36

MEDIUM TEMPERATURE		R134a		R513A												
MODELS	Refrig. Power (kW)		Refrig. Power (kW)		Max Abs Power	Dimensions (mm)			Weight	I nom	Fan		Liquid Receiver	Connect Diam. (SAE)		SP 10m
	-10°C	0°C	-10°C	0°C	+10°C	H	W	D	Net (kg)	(A)	Number	AF (m ₃ /h)	dm ₃	Suction (")	Liquid (")	dB (A)
Compressor 230V - 1ph - 50Hz - Fan 230V - 1ph - 50Hz																
UP-NEU6214Z-EA00	0,87	1,33	0,90	1,33	0,78	600	982	484	54	2,9	1	1695	1,6	3/8	1/4	28
UP-NJ6220ZZ-EA00	1,16	1,74	1,18	1,76	1,17	600	982	484	56	6,2	1	1695	1,6	1/2	1/4	29
UP-NJ6226Z-EA00	1,48	2,14	1,51	2,16	1,47	600	982	484	56	5,6	1	1695	1,6	1/2	1/4	29
UP-SE6015GK-EAE00	2,19	3,35	2,29	3,43	1,54	708	1082	490	91	5,3	1	2673	3,9	3/4	1/2	33
UP-SE6018GK-EAE00	2,61	3,99	2,73	4,09	1,78	708	1082	490	91	6,2	1	2545	3,9	3/4	1/2	33
UP-SE6021GK-EAE00	2,95	4,48	3,07	4,58	2,01	708	1082	490	92	6,9	1	2545	3,9	3/4	1/2	33
Compressor 400V - 3ph - 50Hz - Fan 400V - 3ph - 50Hz																
UP-NJ6226ZX-EA00	1,61	2,26	1,63	2,26	1,40	600	982	484	56	2,2	1	1695	1,6	1/2	1/4	29
UP-SE6015GS-EAE00	2,19	3,35	2,29	3,44	1,51	708	1082	490	88	2,3	1	2673	3,9	3/4	1/2	33
UP-SE6018GS-EAE00	2,62	3,99	2,73	4,10	1,69	708	1082	490	89	3,7	1	2545	3,9	3/4	1/2	33
UP-SE6021GS-EAE00	2,95	4,49	3,07	4,59	1,91	708	1082	490	90	3,8	1	2545	3,9	3/4	1/2	33
UP-SE6026GS-EAE00	3,81	5,82	3,99	6,00	2,36	1005	1277	538	126	5	1	5195	6	7/8	5/8	36
UP-SE6030GS-EAE00	4,29	6,54	4,48	6,72	2,61	1005	1277	538	127	5,4	1	5195	6	7/8	5/8	36
UP-SE6036GS-EAE00	5,28	8,06	5,52	8,30	3,08	1005	1277	538	127	5,7	1	4739	6	7/8	5/8	36
UP-SE6043GS-EAE00	6,19	9,42	6,45	9,65	3,73	1005	1277	538	129	6,4	1	4739	6	7/8	5/8	36

LOW TEMPERATURE		R452A		R449A												
MODELS	Refrig. Power (kW)		Refrig. Power (kW)		Max Abs Power	Dimensions (mm)			Weight	I nom	Fan		Liquid Receiver	Connect Diam. (SAE)		SP 10m
	-35°C	-30°C	-35°C	-30°C	-10°C	H	W	D	Net (kg)	(A)	Number	AF (m ₃ /h)	dm ₃	Suction (")	Liquid (")	dB (A)
Compressor 230V - 1ph - 50Hz - Fan 230V - 1ph - 50Hz																
UP-NT2180GK-EAE00	0,49	0,63	-	-	0,99	600	982	484	65	2,4	1	1695	1,6	1/2	1/4	29
UP-NT2192GK-EAE00	0,52	0,68	-	-	1,06	600	982	484	65	2,7	1	1695	1,6	1/2	3/8	29
UP-NT2212GK-EAE00	0,69	0,90	-	-	1,32	600	982	484	65	3,7	1	1523	2,3	1/2	3/8	29
UP-SE2006GK-EAE00	1,18	1,46	1,21	1,51	1,68	708	1082	490	91	5,6	1	2673	3,9	3/4	3/8	33
UP-SE2008GK-EAE00	1,47	1,82	1,53	1,90	2,20	708	1082	490	91	7,2	1	2673	3,9	3/4	3/8	33
UP-SE2010GK-EAE00	1,70	2,10	1,77	2,19	2,63	708	1082	490	91	8,4	1	2673	3,9	3/4	3/8	33
Compressor 400V - 3ph - 50Hz - Fan 400V - 3ph - 50Hz																
UP-NJX2219GS-EAE00	1,02	1,34	-	-	1,91	708	1082	490	69	2,3	1	2673	3,9	1/2	3/8	34
UP-SE2006GS-EAE00	1,18	1,46	1,21	1,51	1,67	708	1082	490	88	2,4	1	2673	3,9	3/4	3/8	33
UP-SE2008GS-EAE00	1,47	1,82	1,53	1,90	2,16	708	1082	490	88	2,7	1	2673	3,9	3/4	3/8	33
UP-SE2010GS-EAE00	1,70	2,10	1,77	2,20	2,56	708	1082	490	89	4,3	1	2673	3,9	3/4	3/8	33
UP-SE2012GS-EAE00	2,29	2,84	2,36	2,94	3,17	1005	1277	538	117	5,4	1	5195	6	7/8	1/2	36
UP-SE2014GS-EAE00	2,65	3,28	2,74	3,41	3,42	1005	1277	538	118	5,2	1	5195	6	7/8	1/2	36
UP-SE2017GS-EAE00	3,10	3,83	3,22	3,99	4,00	1005	1277	538	118	6,3	1	5195	6	7/8	1/2	36
UP-SE2020GS-EAE00	3,57	4,41	3,73	4,61	4,75	1005	1277	538	120	6,9	1	5195	6	7/8	1/2	36