

Condensing Unit

embraco andes+

Reliability
at the
highest level



think ahead

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andes+

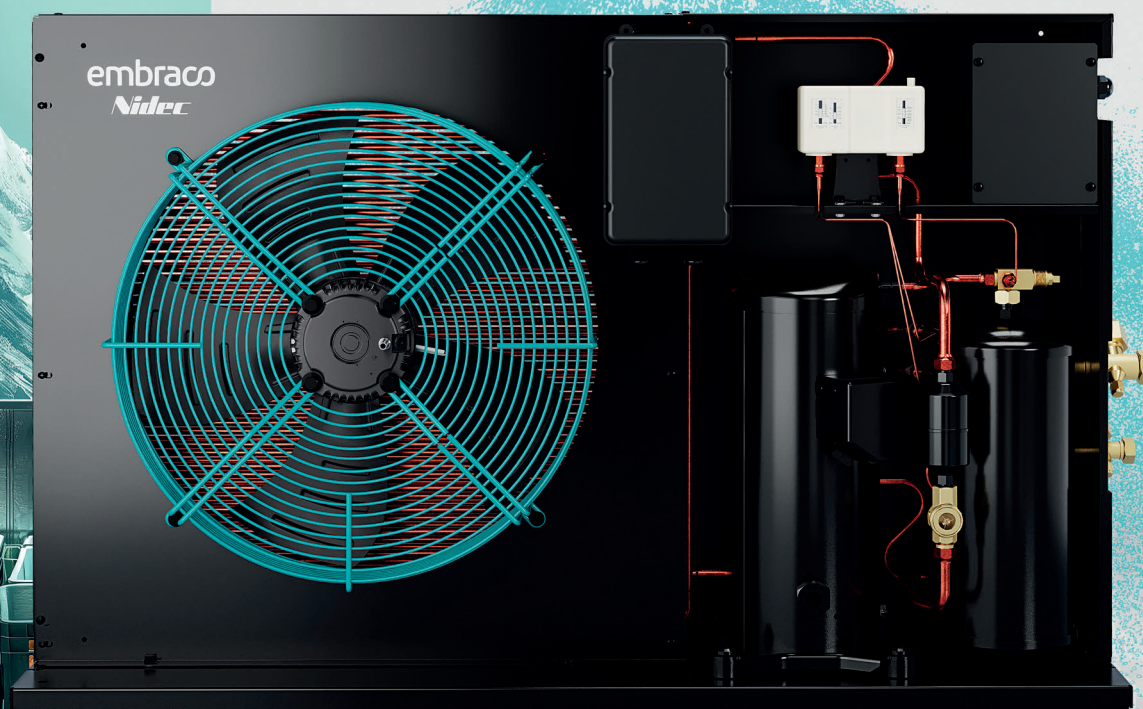
**Practical solution
to complex
refrigeration
challenges**

+ accessibility

Practicality from installation to maintenance, with easy access to the main components.

+ reliability

High quality standard, prepared to operate up to 43°C (109.4°F) ambient temperature.



310mm

+ compact

Can be easily installed in spaces with reduced depth without compromising performance.*

*Respecting the restrictions imposed by the product manual.

Embraco reliability in every solution

Flexibility

Suitable for low and medium temperatures, in environments up to 43°C (109.4°F).

Safety

High and low pressure switch, with manual reset for high pressure and automatic reset for low pressure.

Protection

Electrical box with phase sequence relay, contactor, and water penetration protection.



Versatility

Compatible with multiple refrigerants for wide refrigeration ranges (R404A, R448A, R449A).

Performance

Embraco Scroll compressor and 6-pole fan to ensure robustness, efficiency, and silent operation.

Accessibility

Components placed for easy access during installation and maintenance.

Scroll Compressor

Robustness and efficiency for even more reliable systems



High reliability

Robust and reliable operation even in extreme operating conditions thanks to internal overload protections.

Superior performance

Highly energy-efficient compressor for low and medium temperature applications. Approved for refrigerants R404A and its alternatives R448A and R449A.

Reduced noise

Technology with even quieter operation, without compromising performance.

Access the QR code and discover more!



Versatility in everything

Embraco Andes+ is the new solution for applications in frozen and refrigerated cold rooms. It has features compatible with current market solutions, with design and components optimized to make the installation and operation process safer and more practical. See the product's technical data below.

Performance data

			CAP [Kcal/h] in R404A for different evaporation temperatures**							
HP	Model	Ambient temperature	-30°C -22°F	-25°C -13°F	-20°C -4°F	-15°C 5°F	-10°C 14°F	-5°C 23°F	0°C 32°F	5°C 41°F
4	UADSE6030GK-U	27°C 80.6°F	3730	4582	5563	6706	7993	9444	11044	12793
		32°C 89.6°F	3466	4272	5198	6255	7470	8810	10306	11937
	UADSE6030GS-W	35°C 95°F	3256*	4075	4959	5986	7144	8428	9860	11416
5	UADSE6030GK-U	43°C 109.4°F	2795*	3463*	4252*	5212	6216	7347	8606	9941
		27°C 80.6°F	4489	5494	6662	7984	9482	11143	12967	14962
	UADSE6036GS-W	32°C 89.6°F	4164	5109	6198	7445	8843	10380	12079	13905
		35°C 95°F	3895*	4873	5920	7108	8433	9917	11537	13271
	UADSE6036GS-P	43°C 109.4°F	3332*	4101*	5001*	6163	7312	8592	9998	11519
6	UADSE6043GS-W	27°C 80.6°F	5388	6598	7995	9581	11371	13318	15448	17705
		32°C 89.6°F	4895*	6150	7472	8968	10631	12458	14423	16541
	UADSE6043GS-P	35°C 95°F	4647*	5720*	7140	8598	10164	11911	13807	15788
		43°C 109.4°F	3981*	4917*	6003*	7197*	8874	10385	12032	

*Superheating area: Superheating: 11,K | Subcooling: 3K.
**Compressor inlet temperature: 20°C (60°F) | Products under development: preliminary data subject to change.
Simulated data: may vary by 10%

Additional information		Dimensions [mm]							
Oil volume [cm3]	Pressure switch	Height	Width	Depth	Packaging height	Packaging width	Packaging depth	Suction line	Liquid line
1.45	High and low	750	1280	310	895	1320	360	7/8"	1/2"
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Electrical data

HP	Model	Voltage [V]	Frequency [Hz]	Phase	Phase sequence	Contactor	Starting relay	Starting Capacitor	Running Capacitor
4	UADSE6030GK-U	220	60	1	No	Yes	Yes	Yes	Yes
	UADSE6030GS-W	220	60	3	Yes	Yes	No	No	No
	UADSE6030GS-P	380	60	3	Yes	Yes	No	No	No
5	UADSE6036GK-U	220	60	1	No	Yes	Yes	Yes	Yes
	UADSE6036GS-W	220	60	3	Yes	Yes	No	No	No
	UADSE6036GS-P	380	60	3	Yes	Yes	No	No	No
6	UADSE6043GS-W	220	60	3	Yes	Yes	No	No	No
	UADSE6043GS-P	380	60	3	Yes	Yes	No	No	No

Current [A]							
Unit LRA	Unit RLA	Unit MCC	Compressor LRA	Compressor RLA	Compressor MCC	Fan RLA	Fan voltage [V]
141	23	35	140	21,5	34	1,25	220
137	16	23	136	14,3	21,8	1,25	220
70	9	14	69	8,2	12,6	1,25	220
141	28	41	140	26,4	40,1	1,25	220
137	18	26	136	16,6	25,2	1,25	220
70	11	16	69	9,6	14,6	1,25	220
168	21	31	167	19,3	29,4	1,25	220
95	12	18	94	11	17	1,25	220

Cross reference

		Low temperature (LBP) R404A			Medium temperature (MBP) R404A		
HP	Embraco	Danfoss	Elgin	Tecumseh	Danfoss	Elgin	Tecumseh
4	UADSE6030G	OP-LJZ096D	SLMB4500	UTS0312LZ	OP-HJZ044	SLMB4400	UTS0245MZ
5	UADSE6036G	OP-LJZ108D	-	-	OP-HJZ064	SLMB4500	UTS0304MZ
6	UADSE6043G	OP-LJZ136D	-	UTS0437LZ	-	-	UTS0362MZ

Information based on each manufacturer's catalog.
Operating point: Ambient temperature 32°C (89.6°F) | Evaporation temperature LBP -25°C (-13°F) and MBP -10°C (14°F).

Nomenclature

Product type		Family		Generation		Compressor			Refrigerant		Circuits		Voltage / Frequency	
U	Unhoused condensing unit	A	Andes	D	First generation	SE	Scroll compressor	6030	4 HP	GK	R404A (single-phase)		U	220V 60Hz 1~
								6036	5 HP				W	220V 60Hz 3~
								6043	6 HP	GS	R404A (three-phase)		P	380V 60Hz 3~



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