

Condensing Unit

embraco andes+

Reliability at
the highest
level



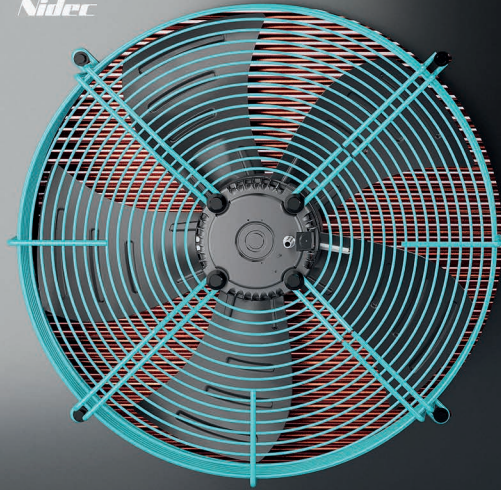
think ahead

embraco
Nidec

embraco
andes+

Practical solution
to complex
refrigeration
challenges

embraco
Nidec



1285mm | 50.6"



Units from
85kg to 105kg

188lbs to 232lbs

+ 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.



+ 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

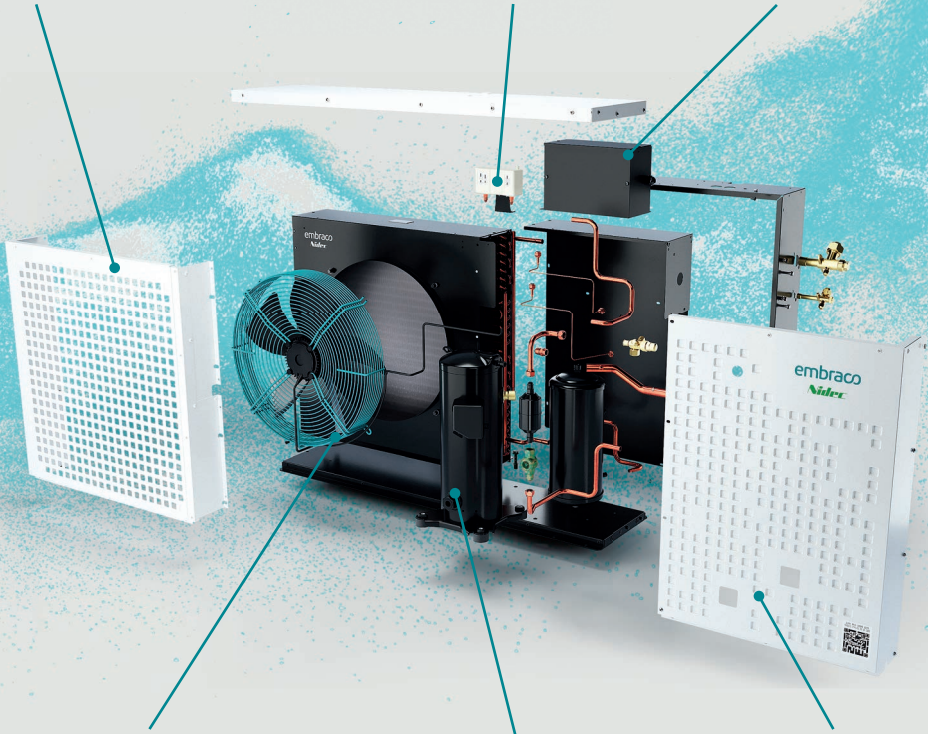
Suitable for low and medium temperatures, in environments up to 43°C (109.4°F).

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, R454C e R455A).

Performance

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

Accessibility

Same external dimensions for any capacity range and easy access to components.

Andes+ Differentials

Scroll Compressor



Robustness and efficiency for more reliable operation, even under extreme conditions. Approved for R404A refrigerants and their alternatives R448A and R449A.

- High reliability
- Superior performance
- Quieter

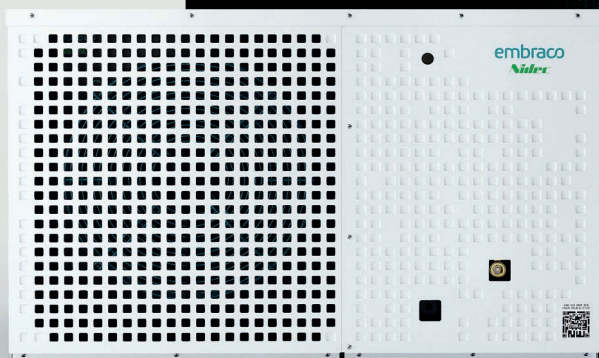


Access and discover more!

All Embraco Andes+ models allow for the addition of external housing. Easy to install, simply purchase the accessory from a retailer and fit it to any Embraco Andes+ model.

- Even less noise
- Easy fastening with *Phillips* screws
- Easy access to internal components

Housing as an accessory



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

HP	Model	Ambient temperature	CAP [Kcal/h] in R404A for different evaporation temperatures**						Additional information				Dimensions [inches]			
			-20°F	-10°F	0°F	10°F	20°F	30°F	40°F	Oil volume [oz]	Weight [lbs]	Suction line	Liquid line	Pack. height	Pack. width	Pack. depth
2	UADERF15G	90°F	7736*	10047	12419	15280	17614	20395	23450	47	181	5/8"	3/8"	35	52	14
		95°F	7403*	9670	11941	14670	16899	19552	22459							
		100°F	6752*	8666*	11451	14054	16172	18696	21456							
		110°F	6063*	7450*	9907	12872	14790	17070	19558							
2.5	UADERF19G	90°F	9054*	11766	14522	17824	20501	23679	27152	47	183	5/8"	3/8"	35	52	14
		95°F	8313*	10618	13959	17110	19661	22688	25992							
		100°F	7891*	10117*	13378	16376	18805	21682	24815							
		110°F	7077*	8683*	11545	14989	17181	19770	22582							
3	UADERF21G	90°F	10477*	13601	16753	20520	23571	27178	31089	47	183	5/8"	3/8"	35	52	14
		95°F	9606*	12247	16093	19687	22594	26026	29744							
		100°F	9125*	11689*	15419	18836	21600	24857	28380							
		110°F	8183*	10018*	13308	17221	19711	22642	25798							
4	UADERF30G	90°F	14477*	18839	23251	28526	32819	37947	43604	47	209	7/8"	1/2"	35	52	14
		95°F	13288*	17000	22353	27390	31479	36352	41704							
		100°F	12624*	16214*	21435	26232	30111	34730	39784							
		110°F	11308*	13914*	18502	24001	27503	31640	36129							
5	UADERF37G	90°F	17869*	23230	28535	34814	39876	45848	52308	47	212	7/8"	1/2"	35	52	14
		95°F	16343*	20874	27407	33389	38201	43863	49963							
		100°F	15498*	19877*	26247	31929	36488	41822	47568							
		110°F	13860*	16968*	22515	29136	33222	37971	43039							
6	UADERF45G	90°F	20375*	25840	33704	40876	46570	53173	60253	47	214	7/8"	1/2"	35	52	14
		95°F	19349*	24653	32329	39146	44546	50786	57451							
		100°F	18324*	22433*	29384	37377	42467	48343	54602							
		110°F	16306*	19988*	26529*	33997	38523	43709	49164							

*Overheating area - Overheating: 20°F | Subcooling: 5°F

**Overheating: 32°F | Subcooling: 5°F | Products under development; preliminary data subject to change | Simulated data; may vary by 10%

***Product dimensions with packaging: 35 x 52 x 14 inches (H x W x L)

Cross reference

Unhoused version		Low temperature (LBP) R404A			Medium temperature (MBP) R404A		
HP	Embraco	Danfoss	Elgin	Tecumseh	Danfoss	Elgin	Tecumseh
2	UADERF15G	OP-HJZ032	SLMB4255	UTS0152LZ	OP-HJZ028	SLMB4255	UTS0173MZ
2.5	UADERF19G	OP-HJZ036	SLMB4300	-	OP-HJZ032	-	UTS0176MZ
3	UADERF21G	OP-HJZ044	SLMB4355	UTS0205LZ	OP-HJZ036	SLMB4300	-
4	UADERF30G	OP-HJZ056	SLMB4400	UTS0312LZ	OP-HJZ044	SLMB4400	UTS0208MZ
5	UADERF37G	OP-HJZ072	-	-	OP-HJZ056	SLMB4505	UTS0304MZ
6	UADERF45G	OP-HJZ072	-	UTS0437LZ	OP-HJZ064	-	UTS0407MZ

Information based on each manufacturer's catalogs

Operating point: ambient temp. 32°C and evaporation temperature of LBP = -25°C | MBP = -10°C

Nomenclature

Product type	Family	Generation	Compressor			Refrigerant	Circ.	Voltage Frequency	Application	Condenser	Version
			E Scroll Embraco	R Fixed rotation	15 2 HP 19 2.5 HP 21 3 HP 30 4 HP 37 5 HP 45 6 HP						
U Unhoused condensing unit	A Andes	D First generation	E	R		GC R404A 220 V single-phase GD R404A 220 V three-phase GE R404A 380 V three-phase	1	U 220V 60Hz 1- W 220V 60Hz 3- P 380 V 60Hz 3-	X Low and medium temperatures (L/MBP)	A Air	1

Electrical data

HP	Model	Voltage [V]	Frequency [Hz]	Phases	Phase sequency	Contactor	Starting relay	Starting capacitor	Running capacitor
2	UADERF15-GC-IUXA1	220	60	1	No	Yes	No	No	Yes
	UADERF15-GD-1WXA1	220	60	3	Yes	Yes	No	No	No
	UADERF15-GE-IPXA1	380	60	3	Yes	Yes	No	No	No
2.5	UADERF19-GC-IUXA1	220	60	1	No	Yes	No	No	Yes
	UADERF19-GD-1WXA1	220	60	3	Yes	Yes	No	No	No
	UADERF19-GE-IPXA1	380	60	3	Yes	Yes	No	No	No
3	UADERF21-GC-IUXA1	220	60	1	No	Yes	No	No	Yes
	UADERF21-GD-1WXA1	220	60	3	Yes	Yes	No	No	No
	UADERF21-GE-IPXA1	380	60	3	Yes	Yes	No	No	No
4	UADERF30-GC-IUXA1	220	60	1	No	Yes	Yes	Yes	Yes
	UADERF30-GD-1WXA1	220	60	3	Yes	Yes	No	No	No
	UADERF30-GE-IPXA1	380	60	3	Yes	Yes	No	No	No
5	UADERF37-GC-IUXA1	220	60	1	No	Yes	Yes	Yes	Yes
	UADERF37-GD-1WXA1	220	60	3	Yes	Yes	No	No	No
	UADERF37-GE-IPXA1	380	60	3	Yes	Yes	No	No	No
6	UADERF45-GD-1WXA1	220	60	3	Yes	Yes	No	No	No
	UADERF45-GE-IPXA1	380	60	3	Yes	Yes	No	No	No

Cross reference

Housed version		Low temperature (LBP) R404A			Medium temperature (MBP) R404A		
HP	Embraco	Danfoss	Elgin	Tecumseh	Danfoss	Elgin	Tecumseh
2	UADERF15G	HPZP028	ES+B4250	-	HPUS015	ES+B4200	PAC41.5ZR
2.5	UADERF19G	HPZP036	ES+B4300	PAC2002ZR	HPUS019	ES+M4250	-
3	UADERF21G	HPZP040	ES+B4350	PAC2003ZR	HPUS021	ES+B4300	PAC42.5ZR
4	UADERF30G	HPUS030	ES+B4500	PAC2004ZR	HPUS026	ES+M4400	PAC43.5ZR
5	UADERF37G	HPUS038	-	-	HPUS038	ES+B4500	PAC4005ZR
6	UADERF45G	LPUS015	-	PAC2005ZR	LPUS015	ES+M4550	-

Information based on each manufacturer's catalogs

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at the highest level.

