



DOMINO SEA Air-Cooled Chiller





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Cooling capacity: 55-135 kW

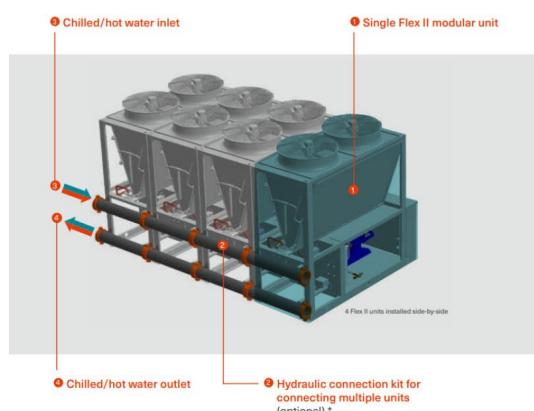
Heating capacity: -----

- High part load efficiency
- Sustainable: very low refrigerant charge microchannel condenser coils
- High flexibility: ability to connect up to six DOMINO SEA units of equal or different capacities to one single Multimanager controller
- Partial or total heat recovery (optional)
- Quiet operation: low vibrations; chillers are available in either low or super low noise version
- Slim design: ideal to fit in elevators for projects with difficult access



Compact: models just 1 meter wide

DOMINO SEA units can be easily lifted and moved. They fit through doorways and into standard elevators, making them a perfect choice for challenging projects involving replacement in older buildings and/or confined spaces.



Ultimate modularity - scalable up to 800 kW cooling capacity

DOMINO SEA's modularity is ideal when capacity extension is required as the building demand or process cooling demand evolves. Units can be a combination of chillers and heat pumps.



Superior (seasonal) energy performance

- Low annual operating costs thanks to low electricity usage
- Sustainable HVAC system with low carbon emissions



Large chilled water temperature range

DOMINO SEA units offer a large operating map to address specific design criteria in applications such as hospitals, office buildings, larger apartment buildings, warehouses and other industrial applications. Leaving chilled water temperatures between -7°C and +25°C.

Range description

- DOMINO SEA chillers are available in 11 different cooling capacities. Features can be optimized to suit the building's size, cooling demand and function.
- Your Thermocold Sales Engineer will help you select the right chiller based on your specific performance criteria and available (roof) space.

Technical specifications

Cooling capacity	55-135 kW
Heating capacity	-----
Eurovent certification	●
ErP Certification	●
Refrigerants	R454B R410A
Operating mode	Cooling only
Energy saving	Heat recovery
Compressor	Scroll

Product data

DOMINO SEA AIR COOLED CHILLER R454B

	Pc (1) kW	Pec (1) kW	EER (1)	SEER (2)	ηsc (2) %	LwO (3) dB(A)	Refrigerant	L (4) mm	W (4) mm	H (4) mm	OW (4) kg
DOMINO SEA R454B 55	52,1	16,2	3,21	4,37	172,0	81	R454B	2489	1004	2408	589
DOMINO SEA R454B 60	57,8	18,4	3,15	4,25	167,0	82	R454B	2489	1004	2408	596
DOMINO SEA R454B 65	61,2	19,7	3,10	4,24	167,0	82	R454B	2489	1004	2408	599
DOMINO SEA R454B 70	64,0	21,1	3,03	4,12	162,0	82	R454B	2489	1004	2408	611
DOMINO SEA R454B 75	69,9	22,8	3,07	4,25	167,0	83	R454B	2489	1004	2408	637
DOMINO SEA R454B 77	73,3	24,4	3,01	4,15	163,0	83	R454B	2489	1004	2408	639
DOMINO SEA R454B 80	76,2	26,0	2,93	4,10	161,0	84	R454B	2489	1004	2408	642
DOMINO SEA R454B 115	107,4	34,7	3,10	4,21	165,0	87	R454B	2489	1004	2408	827
DOMINO SEA R454B 125	116,7	38,8	3,01	4,20	165,0	87	R454B	2489	1004	2408	830
DOMINO SEA R454B 135	125,5	43,1	2,91	4,10	161,0	87	R454B	2489	1004	2408	834

Pc: Cooling capacity

SEER: Seasonal Energy Efficiency Ratio

Refrigerant: Refrigerant type

H: Height

Pec: Total power input in cooling

ηsc: Seasonal space cooling energy efficiency

L: Length

OW : Operating Weight

EER: Energy Efficiency Ratio (cooling)

LwO: A-weighted sound power level outside

W: Width

(1): Cooling: outdoor air temperature 35°C and chilled water temperature 12°C/7°C. (EN 14511:2022)

(2): Ecodesign rating for comfort chiller - Fan coil application. Outdoor air temperature 35°C and chilled water temperature in/ out: 12°C/7°C. ηs,c/SEER as defined in Ecodesign requirements for Comfort Chillers with 2000 kW maximum capacity - REGULATION (EU) N° 2016/2281 of 20 December 2016.

(3): According ISO 9614:2009. Eurovent conditions, with 1pW reference sound power (without accessories)

(4): Basic unit without accessories

Product data shown in this document are not binding.
Thermocold shall have the right to introduce at any time
whatever modifications deemed necessary to the improvement
of the product.



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