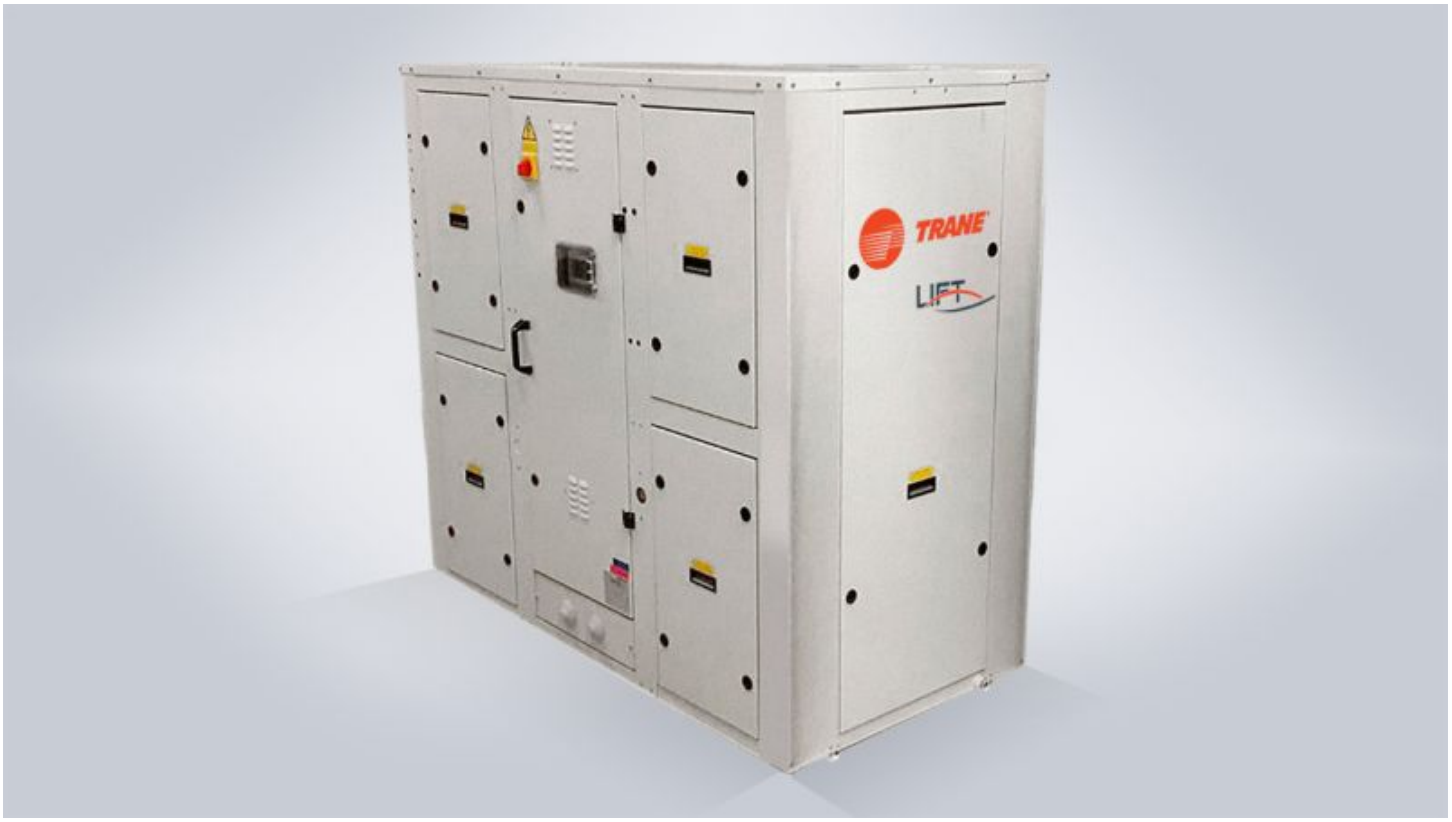
Lift Booster Water-to-Water Heat Pump

TRANE
TECHNOLOGIES

Lift Booster Water-to-Water Heat Pump



Heating capacity: 18-550 kW

- 1 to 4 scroll compressors
- Easy and fast installation
- Compact unit design
- Low noise
- Low energy consumption
- Short return on investment

The sustainable way to produce high temperature hot sanitary water

The Lift™ water-to-water heat pumps offer a sustainable alternative to the traditional production of sanitary hot water or supply to high temperature terminals by fossil-fueled boilers. The Lift™system allows for significant reduction in energy bills.

Easy indoor installation

Lift is used in combination with air-to-water heat pumps or multi-pipe (4-pipe) units. An ideal fit in hotel and commercial buildings, large apartment buildings, hospitals or offices with year-round hot sanitary water requirements.

Range description

• Available in 16 sizes with scroll compressors and R134a or R513a low GWP refrigerants.

Technical specifications

Cooling capacity	-----
Heating capacity	18-550 kW
Eurovent certification	●
ErP Certification	●
Refrigerants	R513A | R134a

Operating mode	Reversible heat pump with gas burner
Energy saving	----
Compressor	Scroll

Product data

Lift - R513A

	Ph (1) kW	Peh (1) kW	COP (1)	SCOP (2)	ηsh (2) %	LwO (3) dB(A)	L (4) mm	W (4) mm	H (4) mm	OW (4) kg
Lift - R513A 81-P	19,6	5,4	3,66	4,04	153,6	-	1200	680	1520	344
Lift - R513A 91-P	22,8	5,8	3,94	4,20	160,0	-	1200	680	1520	353
Lift - R513A 101-P	26,1	6,7	3,90	4,18	159,2	-	1200	680	1520	371
Lift - R513A 131-P	32,2	8,6	3,75	4,19	159,6	-	1200	680	1520	381
Lift - R513A 151-P	37,1	10,1	3,66	4,03	153,2	-	1200	680	1520	399
Lift - R513A 162-P	40,5	10,7	3,78	4,48	171,2	-	1200	680	1520	407
Lift - R513A 182-P	46,0	11,5	3,99	4,66	178,4	-	1200	680	1520	415
Lift - R513A 202-P	53,2	13,3	3,99	4,64	177,6	-	1200	680	1520	433
Lift - R513A 262-P	66,1	17,1	3,86	4,65	178,0	-	1200	680	1520	448
Lift - R513A 302-P	77,4	20,2	3,84	4,47	170,8	-	1200	680	1520	464

Ph: Heating capacity
Peh: Total power input in heating
COP: Coefficient Of Performance (heating)
SCOP: Seasonal Coefficient Of Performance
ηsh: Seasonal space heating energy efficiency
LwO: A-weighted sound power level outside
L: Length
W: Width
H: Height
OW : Operating Weight

(1): Evaporator water temperature in/out 10/7°C - Condenser water temperature in/out 47/55°C (EN 14511:2022)
(2): Seasonal energy efficiency of heating at water temperature 55°C with average climatic conditions. According to EU Regulation n. 813/2013 of 2 August 2013
(3): According ISO 9614:2009. Eurovent conditions, with 1pW reference sound power (without accessories)
(4): Basic unit without accessories

Lift

	Ph (1) kW	Peh (1) kW	COP (1)	SCOP (2)	ηsh (2) %	LwO (3) dB(A)	L (4) mm	W (4) mm	H (4) mm	OW (4) kg
Lift 81-P	18,1	5,4	3,36	4,08	155,2	-	1200	680	1520	344
Lift 91-P	21,6	6,0	3,62	4,24	161,6	-	1200	680	1520	353
Lift 101-P	24,7	6,8	3,61	4,22	160,8	-	1200	680	1520	371
Lift 131-P	30,4	8,6	3,54	4,23	161,2	-	1200	680	1520	381
Lift 151-P	35,5	10,3	3,46	4,07	154,8	-	1200	680	1520	399
Lift 162-P	37,3	10,8	3,47	4,53	173,0	-	1200	680	1520	407
Lift 182-P	43,6	11,9	3,66	4,71	180,0	-	1200	680	1520	415
Lift 202-P	50,4	13,7	3,69	4,69	180,0	-	1200	680	1520	433
Lift 262-P	62,5	17,2	3,64	4,70	180,0	-	1200	680	1520	448

Lift 302-P	74,1	20,4	3,63	4,52	173,0	-	1200	680	1520	464
Lift 402-P	97,6	26,8	3,64	4,56	174,0	-	2285	680	1520	765
Lift 522-P	121,0	33,4	3,62	4,57	175,0	-	2285	680	1520	890
Lift 602-P	148,7	40,4	3,68	4,60	176,0	-	2285	680	1520	974
Lift 804-P	188,0	53,6	3,51	4,50	172,0	-	2500	800	1900	1301
Lift 1044-P	233,9	66,3	3,53	4,56	174,0	-	2500	800	1900	1426
Lift 1204-P	280,7	81,6	3,44	4,50	172,0	-	2500	800	1900	1528

Ph: Heating capacity
SCOP: Seasonal Coefficient Of Performance
L: Length
OW : Operating Weight
Peh: Total power input in heating
ηsh: Seasonal space heating energy efficiency
W: Width
COP: Coefficient Of Performance (heating)
LwO: A-weighted sound power level outside
H: Height

(1): Evaporator water temperature in/out 10/7°C - Condenser water temperature in/out 47/55°C (EN 14511:2022)
(2): Seasonal energy efficiency of heating at water temperature 55°C with average climatic conditions. According to EU Regulation n. 813/2013 of 2 August 2013
(3): According ISO 9614:2009. Eurovent conditions, with 1pW reference sound power (without accessories)
(4): Basic unit without accessories

Improve Operations

Technology is continuously evolving and Trane Engineering is ahead of the curve in bringing innovation into product development. Our sustainable solutions deliver enhancements to the Trane installed base to make your chillers and heat pumps even "better than before". That's Trane Building Advantage - TBA.

Trane Rental Services

Cooling and heating are services, not products. A process or a building does not need a chiller or a boiler sitting on a roof, but a reliable and efficiency supply of cold or hot water, cold or warm air. This is the essence of what we do at Trane Rental Services. Let us take care of it for you.

Read more https://trane.eu/rental