

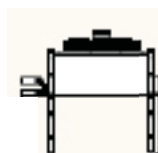
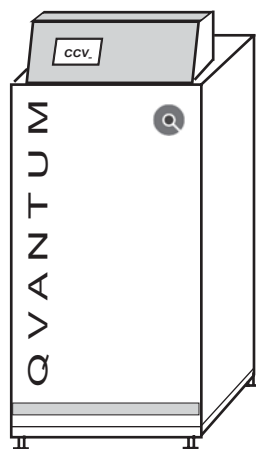


indirect outside air to water heatpump

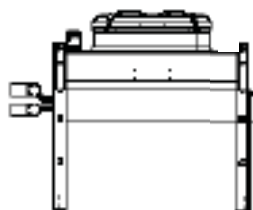
*Quantum V.I.P.*

*Serie L<sup>2</sup>*

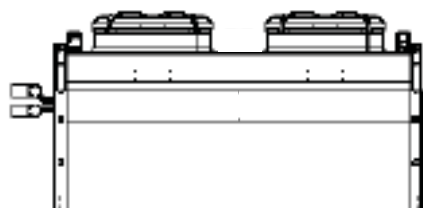
heatpump with Economizer



Q15L<sup>2</sup>-Q21L<sup>2</sup>



Q25L<sup>2</sup>-Q41L<sup>2</sup>



Q48L<sup>2</sup>

## V.I.P SERIE L<sup>2</sup>

R407C

Serie L <sup>2</sup> - R407C		Q15	Q17	Q21	Q25	Q32	Q41	Q48	Q65	Q81	Q96
Heatingpwr 65° / -5°	kW	9,8	11,3	13,3	15,4	22,4	26,5	31,8	44,8	53,0	63,6
Heatingpwr 55° / 0°	kW	9,9	11,7	14,1	16,3	23,7	27,9	33,5	47,4	55,8	67,0
Heatingpwr 45° / +7°	kW	11,3	13,5	16,5	19,1	27,7	32,7	39,2	55,4	65,4	78,4
Cond <sub>flow</sub> Δt=7°C(4,2) l	/s	0,38	0,46	0,56	0,65	0,94	1,11	1,33	1,88	2,22	3,64
ΔP <sub>condensor</sub> (VB)	kPa	21	22	23	22	25	29	25	24	28	29
Max out/ Min in cond	°C	65/35	65/35	65/35	65/35	65/35	65/35	65/35	65/35	65/35	65/35
Evap flow	l/s	(se tabell nedan)									
Min outside t vid 60° <sup>1)</sup>	°C	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15
Rated input	kW	3,1	3,6	4,3	5,0	7,3	8,7	10,7	14,6	17,4	21,4

\*) Brine 40% ethylenglycol och 60 % water

Unit	ConnDN	Norm/min flow	brine.volume*)
Q15L <sup>2</sup>	25	0,63/0,43	68 ltr
Q17L <sup>2</sup>	25	0,79/0,50	75
Q21L <sup>2</sup>	32	1,0/0,60	85
Q25L <sup>2</sup>	32	1,2/0,90	90
Q32L <sup>2</sup>	40	1,4/1,1	100
Q41L <sup>2</sup>	40	1,8/1,3	111
Q48L <sup>2</sup>	40	2,0/1,5	125
Q65L <sup>2</sup>	50	2,8/1,7	170
Q81L <sup>2</sup>	50	3,6/2,5	205
Q96L <sup>2</sup>	50	4,0/3,0	225

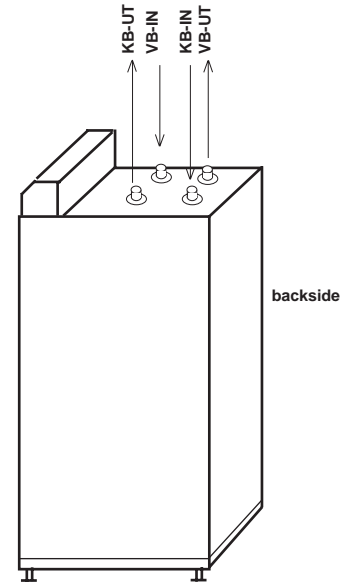
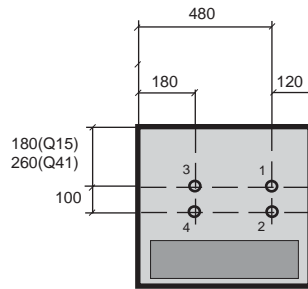
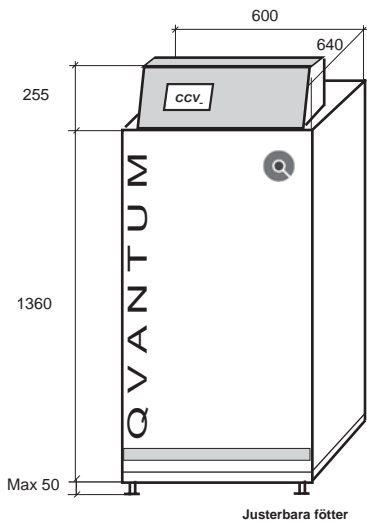
\*) brine volume , standard installation 25 meter distance inside and outside unit

## COMMON DATA

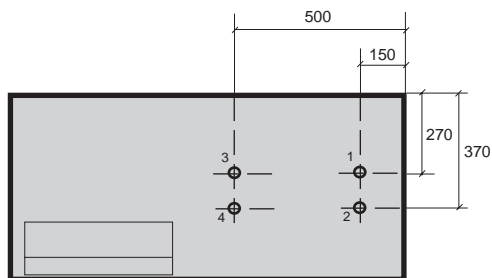
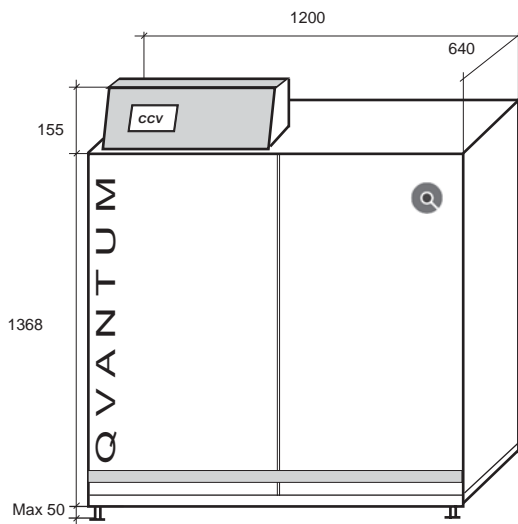
Serie L <sup>2</sup>		Q15	Q17	Q21	Q25	Q32	Q41	Q48	Q65	Q81	Q96
Conn. evaporator	mm	Cu28	Cu28	Cu35	Cu35	Cu35	Cu35	Cu42	Cu42	Cu54	Cu54
Conn. condensor	mm	Cu28	Cu28	Cu35	Cu35	Cu35	Cu35	Cu42	Cu42	Cu54	Cu54
407C approx	kg	1,3	1,3	1,4	2,3	2,8	3,3	3,8	2x2,8	2x3,3	2x3,8
Tension / fase	v/f	400/3	400/3	400/3	400/3	400/3	400/3	400/3	400/3	400/3	400/3
Recommended fuse	A	16	16	20	20	25	35	35	50	63	80
Max power input	A	6,9	11,0	13,9	15,8	20,5	24,9	31,6	41,0	49,8	63,2
Comp.unit. With	mm	600	600	600	600	600	600	600	1200	1200	1200
Depth	mm	640	640	640	640	640	640	640	640	640	640
Height (incl. elec.)	mm	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665
Weight	kg	197	201	210	255	257	270	294	556	578	606
Aircoil	Längd	mm	1445	1445	1445	1848	1848	1848	3355	3355	4950
	Depth	mm	800	800	1169	1169	1169	1169	1169	1169	2321
	Height	mm	1060	1060	1380	1380	1380	1380	1380	1380	1520
	Weight	kg	65	65	160	165	177	180	298	322	470
Soundp.free field 10m	dB(A)	31	31	30	30	30	30	33	33	34	36
Numb of fans	st	1	1	1	1	1	1	2	2	3	4
Airflow	m <sup>3</sup> /s	1,18	1,53	2,5	2,7	2,7	2,7	4,8	4,54	6,84	9,6

comp.unit

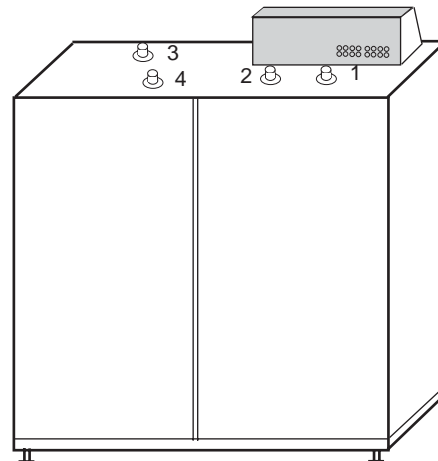
Q15L<sup>2</sup> - Q48L<sup>2</sup>



Q65L<sup>2</sup> - Q96L<sup>2</sup>

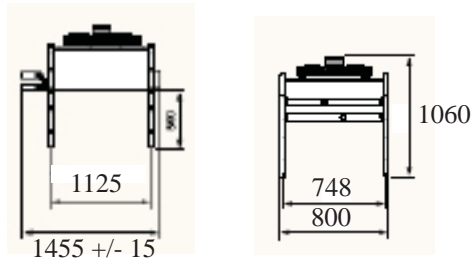


No	Dim	Connection
1	Se respektive datablad	Evaporator in
2		Evaporator out
3		Condensor out
4		Condensor in

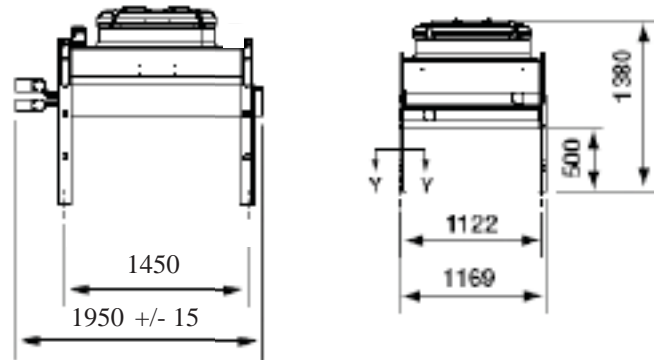




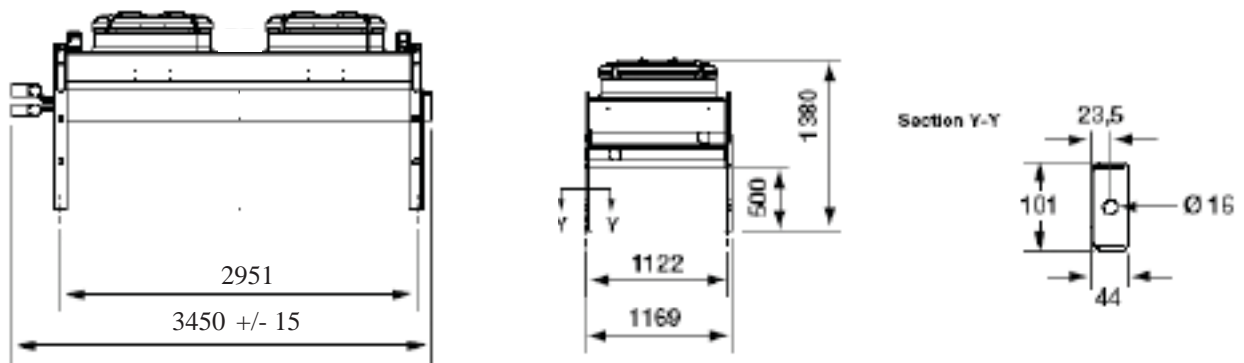
Qvantum Q15L<sup>2</sup> - Q17L<sup>2</sup>



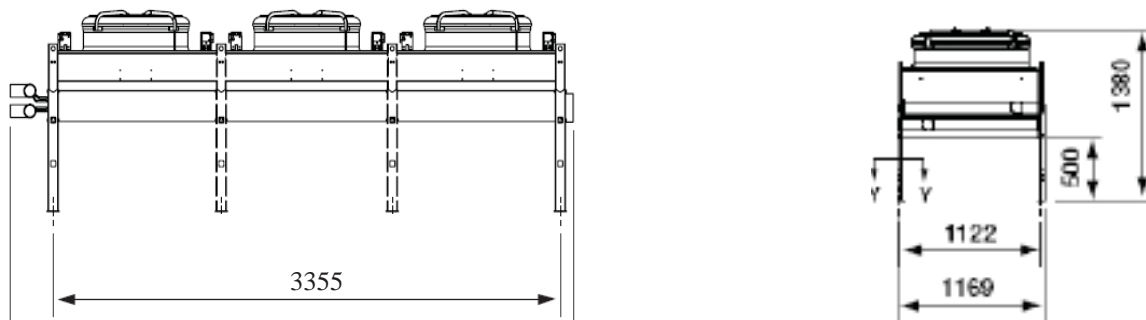
Qvantum Q21L<sup>2</sup> - Q41L<sup>2</sup>



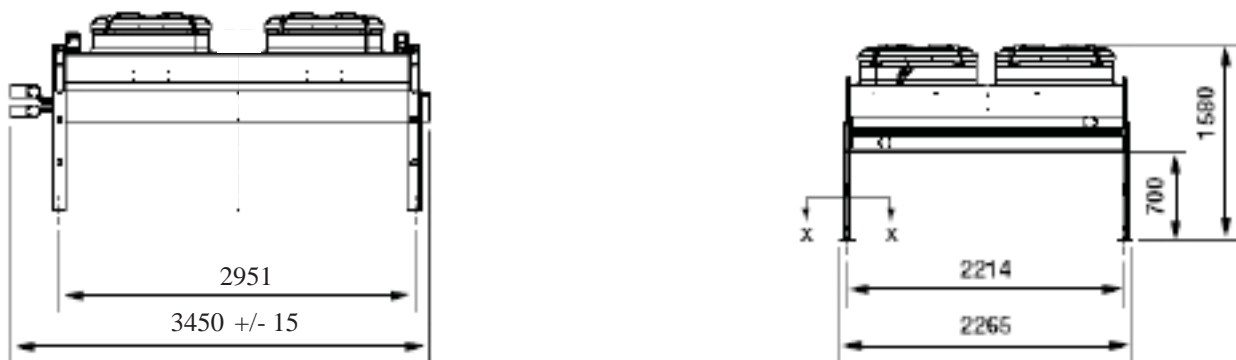
Qvantum Q48L<sup>2</sup>- Q65L<sup>2</sup>



Qvantum Q81L<sup>2</sup>



Qvantum Q96L<sup>2</sup>



**Quantum V.I.P. Q15L<sup>2</sup> - Q48L<sup>2</sup>**  
**Indirect air to water heatpump**  
**"Vapor Injection Power" and economizer**

**REFRIGERANT:** R407C  
**Capacitydata:** See TECHNICAL DATA

A complete unit consists of 1) an outside aircoil with ventilator(s) 2) An inside unit with EVI-compressor, electronic expansion valve 2 pcs, defrost heat exchanger, defrost circulating pump, economizer, pressostat, electrical equipment etc.

**DESIGN THE INSIDE UNIT**

The units are built on a frame of galvanized steel tubes, the housings are powder plated and have soundproof insulation. The top is made of aluminum. Top and bottom are also covered with soundproof insulation. The frame stands on four adjustable legs of rubber. All connections are on top of the unit.

**Conn dim:** se technical data  
**Dimensions :** Q15L<sup>2</sup> - Q48L<sup>2</sup> 600 x 640 x 1665 mm  
 Q65L<sup>2</sup> - Q96L<sup>2</sup> 1200 x 640 x 1665 mm  
**Vikt:** se technical data  
**Color:** white sides, galvanized frame, aluminium top

**Compressor:** hermetic scroll compressor with economized vapor injection (EVI) rotalockvalves, crankcase heater, overheat protection in the electrical motor internal differential pressure valve, oil level indicator.  
 The compressor is mounted on rubber antivibrating mountings.

**Condensor:** Compact brazed plate heat exchanger, stainless steel

**Evaporator:** Compact brazed plate heat exchanger, stainless steel, armaflex insulated

**Economizer** Compact brazed plate heat exchanger, stainless steel

**Defrostexch.** Stainless steel heat exchanger, armaflex insulated

**Refrigerant loop:** filter dryer  
 sightglass with moisture indicator  
 2 electronic expansion valve with external pressure equalization  
 Dual pressure control with manual reset  
 service valves for pressure check  
 Safety equipment for suction and discharge pressure

**Electricalsystem:** Built in with microprocessor control. Equipped with alarm- and safety functions. 5" touch screen. Driver for expansion valves with display

**Brinepump:** 1 for external mounting

**Derfrostpump:** internally mounted