

YLCS

Water-cooled or remote air-cooled screw compressor chiller Heat pump application

Cooling capacities from 342 kW to 1099 kW

Available configurations that meet A Class energy efficiency levels at Eurovent Standard Conditions.



Features

One chiller, many applications

Designed to operate with leaving liquid temperature from -12°C to +15°C.

Efficient compressors

YLCS is a dual circuit chiller with industrial type semi-hermetic screw compressors. Star delta compressor starters are incorporated to reduce the inrush current.

Outstanding chiller control

An advanced microprocessor controller with, a 40 character plain language display, controls and monitors temperatures, pressures, operating hours, number of starts and start stop/holiday times.

Fast and easy installation

Evaporator water connections can be provided in a vertical or horizontal plain. Electrical power supplies enter from the top for easy drop down wiring.

Options / Accessories

- Compressor suction shut-off valves
- Companion flange kits
- Multi-point power supply
- Remote leaving liquid temperature offset
- Pressure gauges
- Closed transition star delta starters
- Power factor correction capacitors
- Heat pump control up to 60°C
- 90/10 cupro/nickel condenser

Water-cooled or remote air-cooled screw compressor chiller

YLCS 0350 to 1120



Nominal capacity

YLCS	0350	0415	0480	0530	0575	0620
Cooling capacity (kW)	343.5	406	482.6	512.6	552.8	586.8
EER	4.01	4.1	4.14	4.16	4.14	4.14
ESEER	4.41	4.63	4.68	4.76	4.67	4.75
Sound pressure at 1 m (dBA)	74	74	74	77	76	76

YLCS	0670	0750	0860	0980	1120
Cooling capacity (kW)	644	744.3	867.3	979.9	1122
EER	4.53	4.61	4.73	4.72	4.72
ESEER	5.05	5.17	5.17	5.12	5.06
Sound pressure at 1 m (dBA)	76	76	82	82	82

At 7°C leaving chilled water and 35°C leaving condenser water.

The above data is based on Johnson Control's selection software YORKworks 17.06. Please refer to the latest version of the software for specific projects.

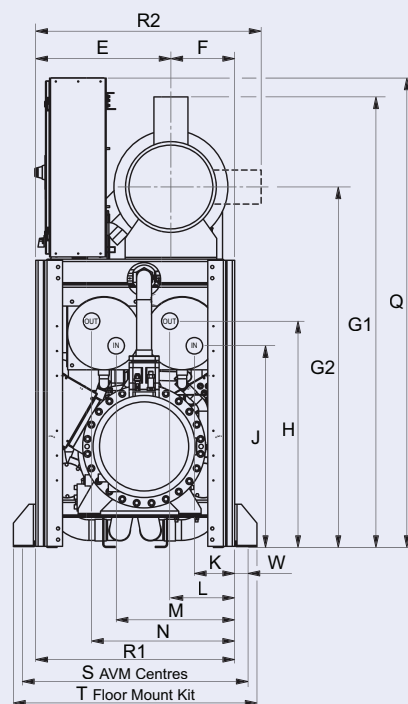
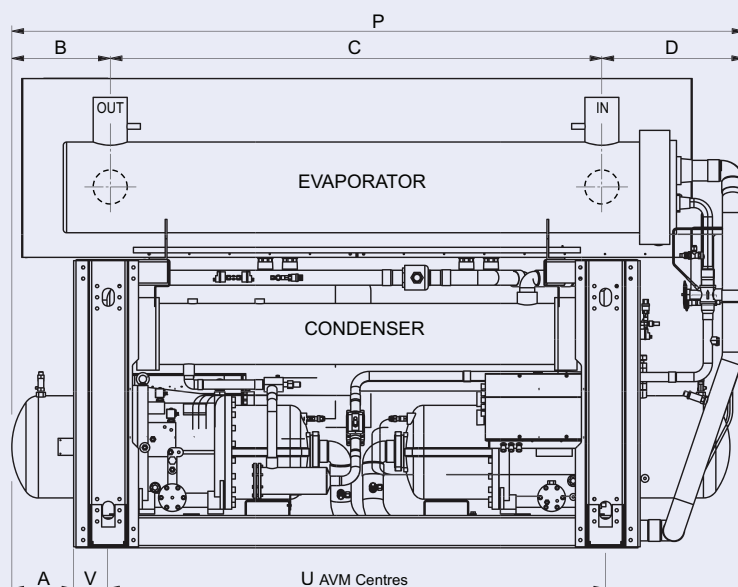
Technical data

YLCS			0350	0415	0480	0530	0575	0620
Dimensions	Length	mm	3225	3244	3274		3544	3600
	Width	mm	900					
	Height	mm	2100					
Operating weight kg			3420	4030	4170	4270	4370	4540

YLCS			0670	0750	0860	0980	1120
Dimensions	Length	mm	3565	3645	3830	3830	3830
	Width	mm	1290				
	Height	mm	2148				
Operating weight kg			4510	5010	5620	6090	6610

Dimensions and hydraulic connections

YLCS 0350SA/HA to 0620SA/HA



Model	A	B	C	D	E	F	G1 ⁽¹⁾	G2 ⁽¹⁾	H	J	K	L	M	N	P	Q	R1	R2 ⁽²⁾	S	T	U	V	W
350-SA & 350-HA	247	417	2250	558	605	285	1914	1550	1033	963	200	270	550	620	3225	2100	890	967	1010	1090	2225	155	60
415-SA & 415-HA	247	417	2250	558	605	285	1915	1550	1013	903	180	290	530	640	3244	2100	890	967	1010	1090	2225	155	60
480-SA & 480-HA	277	440	2200	634	605	285	2016	1615	1013	903	180	290	530	640	3274	2100	890	1010	1010	1090	2225	155	60
530-SA & 530-HA	277	440	2200	634	605	285	2016	1615	1013	903	180	290	530	640	3274	2100	890	1010	1010	1090	2225	155	60
575-SA & 575-HA	550	210	2700	634	605	285	2016	1615	1013	903	180	290	530	640	3544	2100	890	1010	1010	1090	2225	155	60
620-SA & 620-HA	550	210	2700	690	605	285	2016	1615	1013	903	180	290	530	640	3600	2100	890	1010	1010	1090	2225	155	60

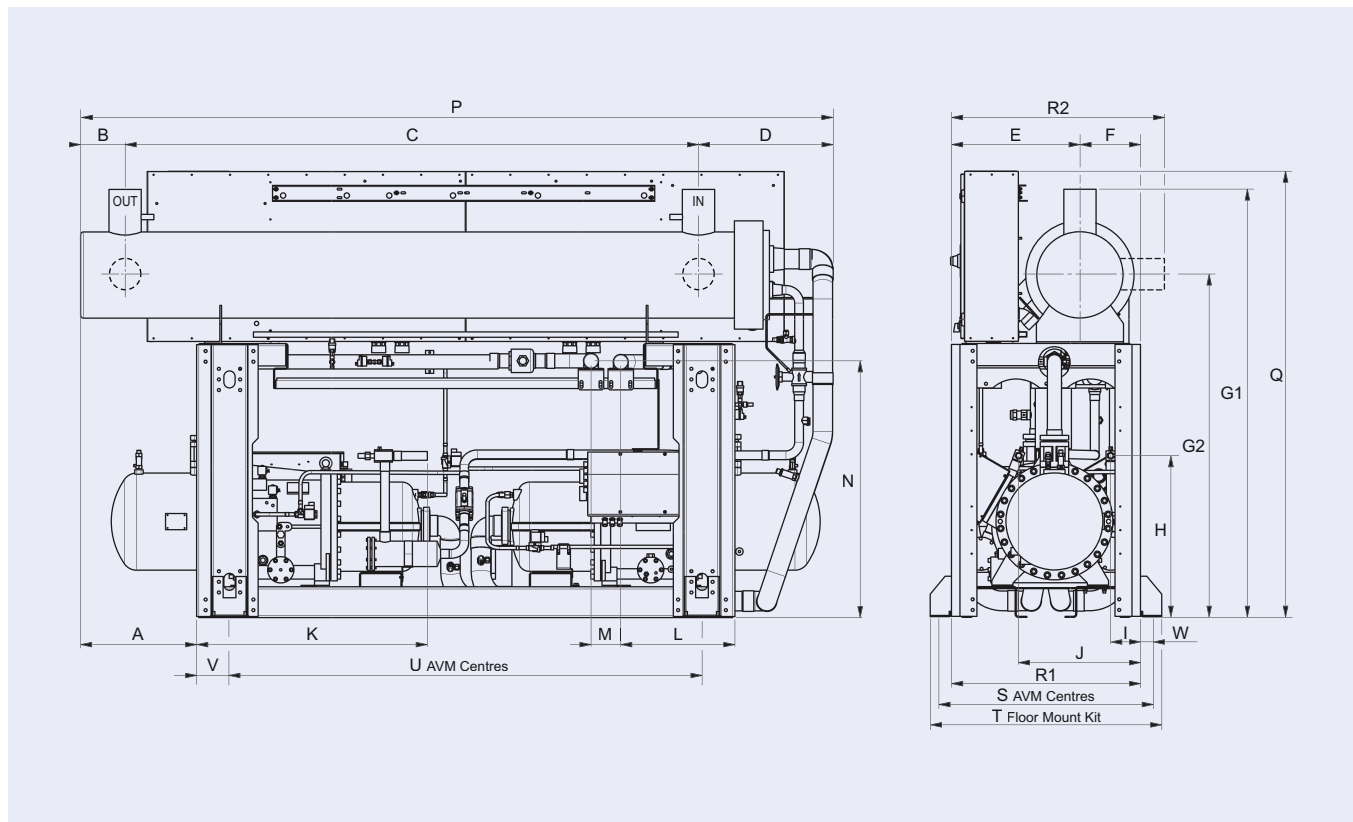
All dimensions in mm. Drawings not a scale.

Dimensions exclude insulation and options. Refer to Physical Data Section for connection sizes. For reference only, please refer to York Product drawing for complete drawing.

(1) With Vertical nozzle cooler only. (2) With horizontal nozzle cooler only.

Dimensions and hydraulic connections

YLCS 0350AA to 0620AA



Model	A	B	C	D	E	F	G1 ⁽¹⁾	G2 ⁽¹⁾	H	I	J	K	L	M	N	P	Q	R1	R2 ⁽²⁾	S	T	U	V	W
350-AA	247	417	2250	558	605	285	1914	1550	761	140	573	1032	538	140	1200	3225	2100	890	967	1010	1090	2225	155	60
415-AA	247	411	2250	583	605	285	1915	1550	761	140	573	1032	538	140	1204	3244	2100	890	967	1010	1090	2225	155	60
480-AA	277	440	2200	634	605	285	2016	1615	761	140	573	1087	538	140	1204	3274	2100	890	1010	1010	1090	2225	155	60
530-AA	277	440	2200	634	605	285	2016	1615	761	140	573	1087	538	140	1200	3274	2100	890	1010	1010	1090	2225	155	60
575-AA	550	210	2700	634	605	285	2016	1615	761	140	573	1087	538	140	1204	3544	2100	890	1010	1010	1090	2225	155	60
620-AA	550	210	2700	690	605	285	2016	1615	761	140	573	1087	538	140	1204	3600	2100	890	1010	1010	1090	2225	155	60

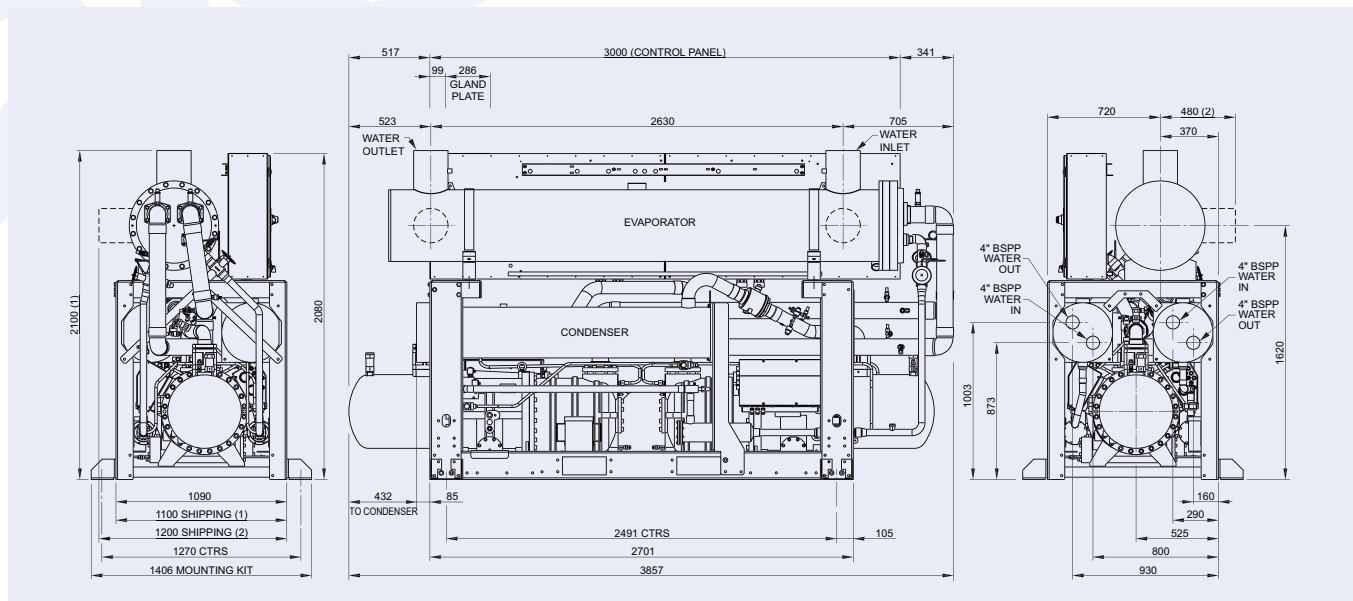
All dimensions in mm. Drawings not a scale.

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Dimensions and hydraulic connections

YLCS 0670SA/HA - 0750SA/HA

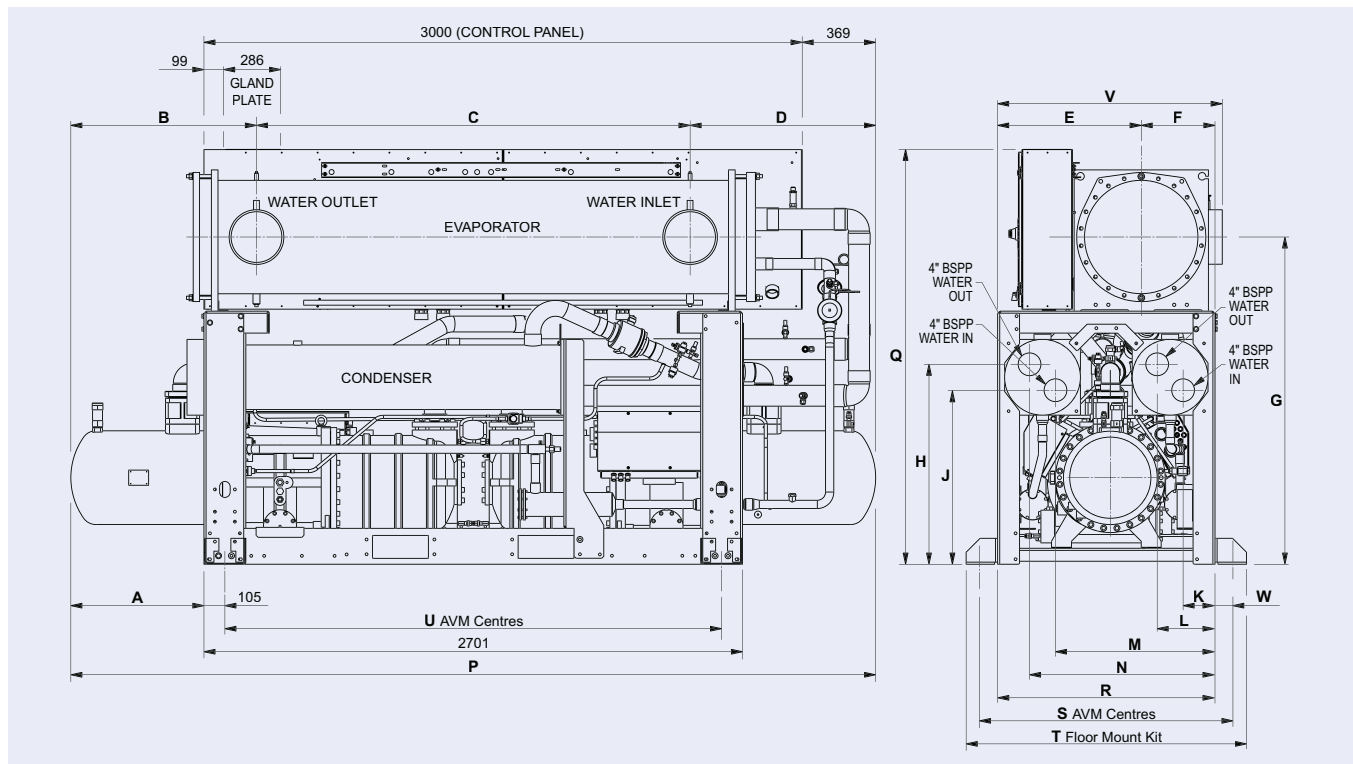


All dimensions in mm. Drawings not a scale.

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YLCS 0860SA/HA to 1120SA/HA



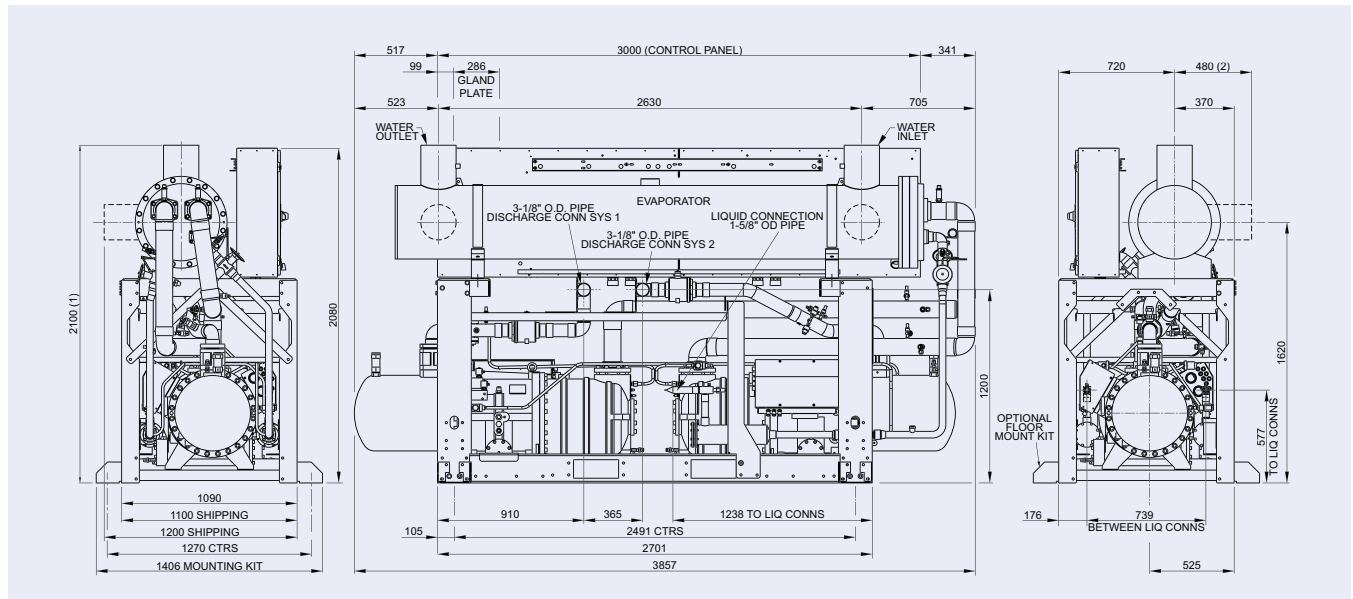
Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W
860-SA & 860-HA	517	780	2175	930	720	370	1641	1003	873	160	290	800	930	3885	2080	1090	1270	1406	2491	1136	90
980-SA & 980-HA	668	930	2175	930	720	370	1641	1003	873	160	290	800	930	4036	2080	1090	1270	1406	2491	1126	90
1120-SA & 1120-HA	668	1025	2010	1000	835	455	1721	1045	915	211	341	950	1080	4036	2144	1290	1470	1606	2491	1295	90

All dimensions in mm. Drawings not a scale.

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Dimensions and hydraulic connections

YLCS 0670AA - 0750AA

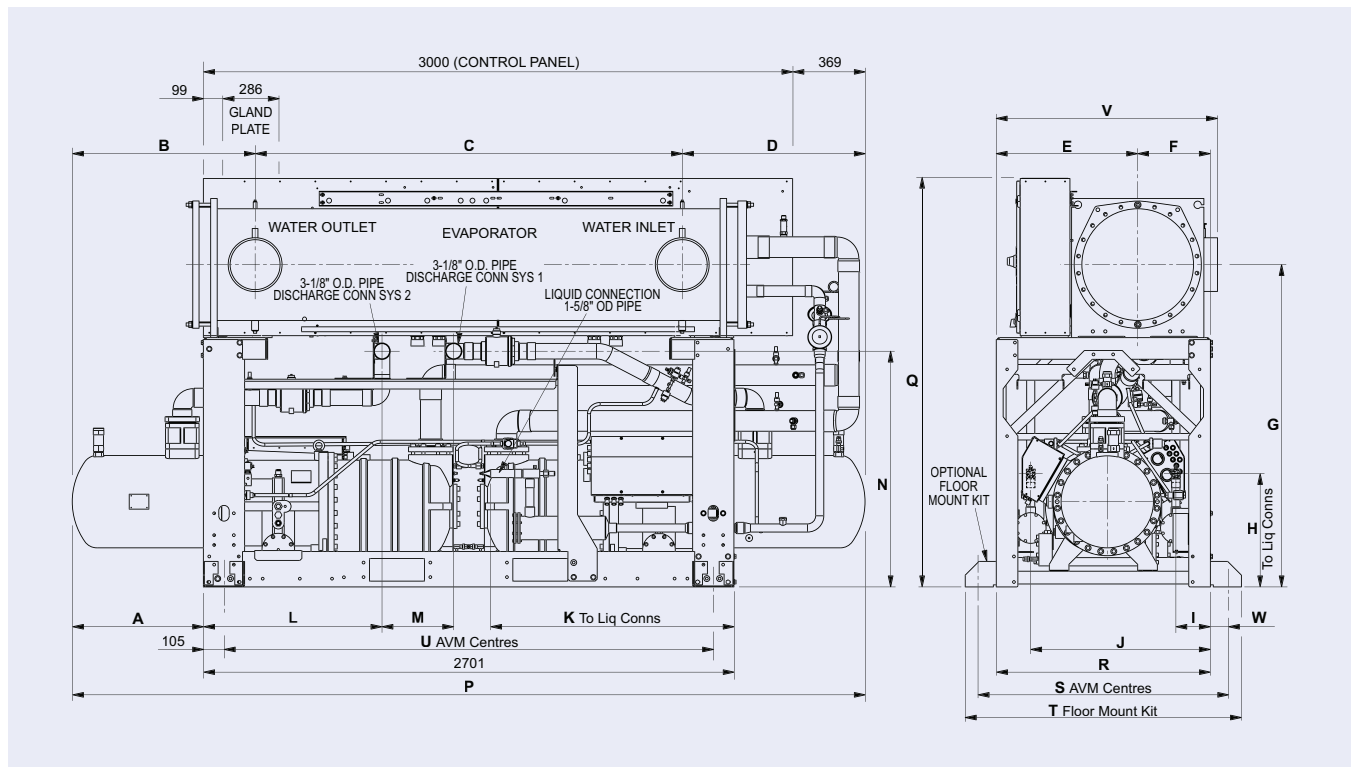


All dimensions in mm. Drawings not a scale.

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(1) With Vertical nozzle cooler only. (2) With horizontal nozzle cooler only.

YLCS 0860AA to 1120AA



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T	U	V	W
860-AA	517	780	2175	930	720	370	1641	577	175	915	1238	910	365	1200	3885	2080	1090	1270	1406	2491	1136	90
980-AA	668	930	2175	930	720	370	1641	577	175	915	1238	910	365	1200	4036	2080	1090	1270	1406	2491	1126	90
1120-AA	668	1025	2010	1000	835	455	1721	577	275	1015	1407	785	246	963	4036	2144	1290	1470	1606	2491	1295	90

All dimensions in mm. Drawings not a scale.

Dimensions exclude insulation and options. Refer to Physical Data Section for connection sizes. For reference only, please refer to York Product drawing for complete drawing.