

YLAE-HP

Reverse cycle air to water heat pump scroll compressor chiller

Cooling capacities from 182 kW to 297 kW

Heating capacities from 187 kW to 323 kW



Features

The **YORK® YLAE-HP TEMPO** air-cooled scroll compressor chillers, provides cool and heating for all air conditioning applications with higher performances.

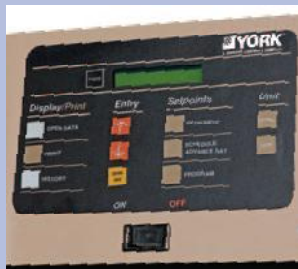
They are completely autonomous and are designed to be installed outdoors on the roof of a building or at ground level.

Options / Accessories

- Water circulating pumps / expansion device factory fitted
- Water filter and flow switch factory fitted
- Power Factor Correction
- BMS interfacing options
- Softstart
- Sound attenuation options
- Anti-vibration mount options
- Evaporator extension kit
- Victaulic coupling and flange kits
- Hydrokits with single and dual pump
- Enclosure options



TEMPO have fitted low noise and streamlined design fans. A two-speed optional fan provides lower noise levels in outdoor low temperature.



TEMPO has a microprocessor controller with display of 40-character and simple language, indicating temperatures, pressures, operating hours, number of starts, the time of start / stop and vacations. The control functions include the exact temperature of the liquid output, main / secondary compressors, security circuit protection and integrated circulators.



TEMPO has optional encapsulated soundproofing for the compressor, in order to reduce the noise level.



TEMPO provides, optionally, single or double integral water circulators and an expansion vessel. The pumps are manufactured in high or low pressure versions to meet high design gauge.

Reverse cycle air to water heat pump scroll compressor chiller

YLAE 200 HP to 330 HP



Nominal capacity

YLAE	200 HP	240 HP	260 HP	300 HP	330 HP
Cooling capacity (kW)	182.4	217.3	236.3	268.2	297
EER	2.49	2.64	2.64	2.72	2.83
ESEER	3.65	3.74	3.83	3.7	3.66
Heating capacity (kW)	187.6	225.7	247.7	287.8	323
COP	2.66	2.79	2.81	2.88	2.83
Sound pressure at 10 m (dBA) w/o encapsulating	59	61	61	62	62
Sound pressure at 10 m (dBA) with encapsulating	54	58	57	58	58

Cooling Capacity at Eurovent Conditions, entering/leaving chilled water temperature 12°C/7°C, ambient temperature 35°C

Heating Capacity at Eurovent Conditions, entering/leaving hot water temperature 40°C/45°C, ambient temperature 7°C

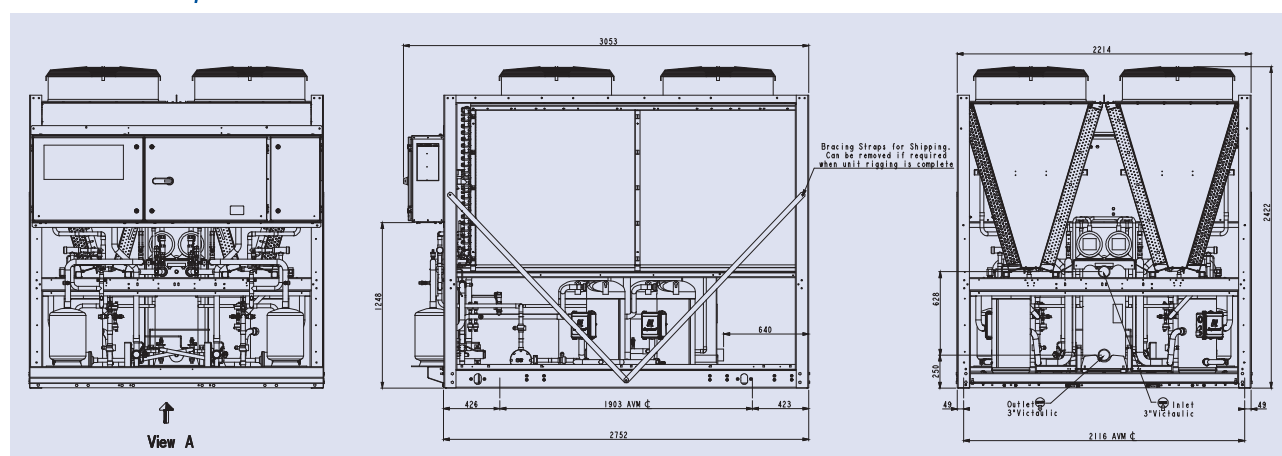
All models incorporates two cooling circuits

Technical data

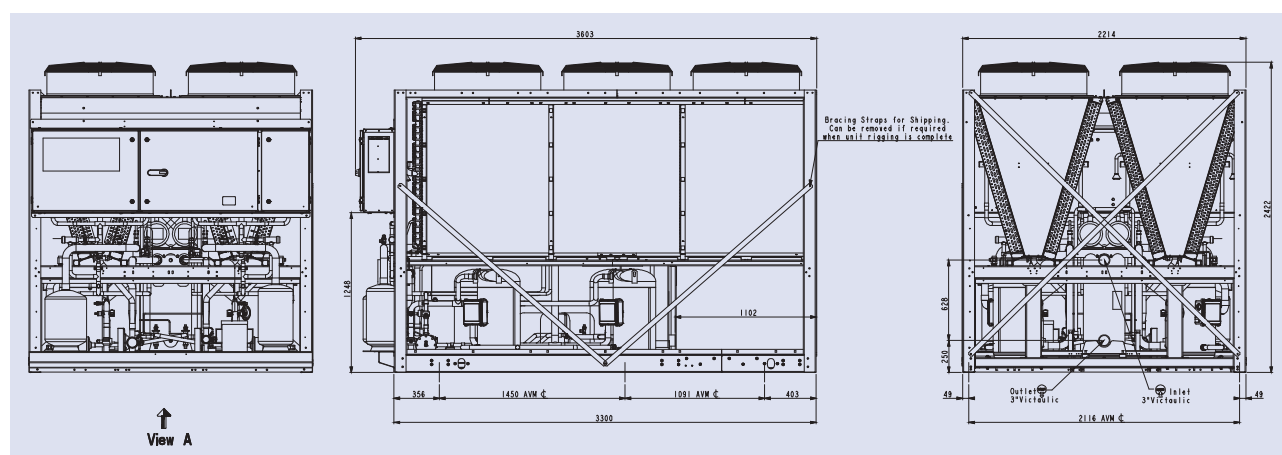
YLAE	200 HP	240 HP	260 HP	300 HP	330 HP
Dimensions	Length mm 3008		Width mm 2214		Height mm 3556
Operating weight kg	1978	2449	2265	2525	2614

Dimensions and hydraulic connections

YLAE 200 HP, 240 HP & 260 HP



YLAE 300 HP & 330 HP



All dimensions in mm. Drawings not a scale.



Manufacturer reserves the rights to change specifications without prior notice.

YLPA

Heat pump scroll compressor

Cooling capacities from 341 kW to 644 kW

Heating capacities from 352 kW to 669 kW

At Eurovent Standard Conditions most high efficiency models meet A Class energy efficiency levels.



Features

The **YLPA** heat pump delivers premium energy efficiency, it is easy to install, quiet to run, and it is supported by a knowledgeable service force.

Efficiency

Eurovent A-Class certified full load efficiency, high part load efficiency, improved defrost cycle, extended operating envelope. Maximize heating efficiency and renewable energy use with the **YLPA** heat pump.

Sound

Designed for quiet operation at full and part load conditions.

Sustainability

European Commission 2020 renewables targets compliant, specifically designed for HFC-410A.

Ease of installation

Quick and easy to install, compact design, Metasys® ready.

Reliability

The **YLPA** is our third generation of fully factory tested scroll heat pumps, and thanks to our extensive service solutions, support and minimal maintenance are assured.

Options / Accessories

- Soft start
- Power Factor Correction Capacitors
- BMS Interfacing options
- Dual pressure relief valves
- Victaulic coupling
- Flow switch
- Desuperheater
- Enclosure options
- Sound attenuation options
- Anti-vibration mounts options
- Several fan options
- Hydrokits with single and dual pump



Multiple scroll design enables sound reduction during part load operation by simply turning off unnecessary compressors

Heat pump scroll compressor

YLPA 340 SE to 610 SE & YLPA 355 HE to 640 HE



Nominal capacity

YLPA SE Standard	340	415	495	560	610
Cooling capacity (kW)	341.1	422.6	510.9	565.4	633
Cooling EER	3.02	2.97	2.95	2.91	2.91
ESEER	3.88	3.96	3.94	3.73	3.64
Heating capacity (kW)	352.3	440.4	529.1	583.6	669
Heating EER	3.08	3.16	3.17	3.14	3.07
Sound pressure at 10 m (dBA)	54	55	56	55	56

YLPA HE High Efficiency	355	425	505	570	640
Cooling capacity (kW)	358.2	442.5	523.8	587.8	644
Cooling EER	3.23	3.19	3.17	3.06	2.97
ESEER	4.02	3.95	3.95	3.74	3.69
Heating capacity (kW)	369.8	461.5	556.2	602.2	669
Heating EER	3.25	3.19	3.17	3.22	3.2
Sound pressure at 10 m (dBA)	55	55	55	56	56

Cooling Capacity at Eurovent Conditions, entering/leaving chilled water temperature 12°C/7°C, ambient temperature 35°C

Heating Capacity at Eurovent Conditions, entering/leaving hot water temperature 40°C/45°C, ambient temperature 7°C

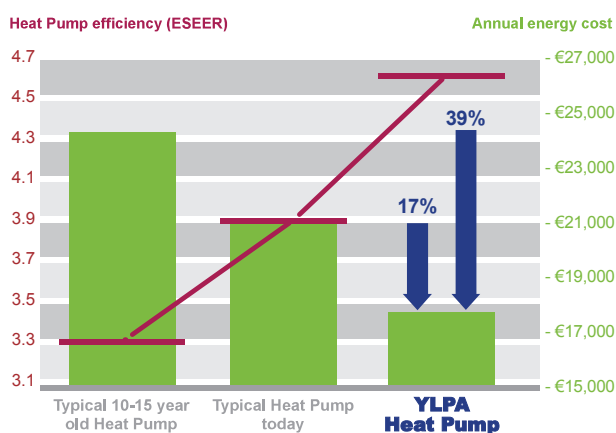
Sound Pressure according to Eurovent conditions. LS models

Technical data

YLPA SE Standard			340	415	495	560	610
Dimensions	Length	mm	4937			5854	6971
	Width	mm	2246				
	Height	mm	2501				
Operating weight kg			4600	5000	5200	5695	6235

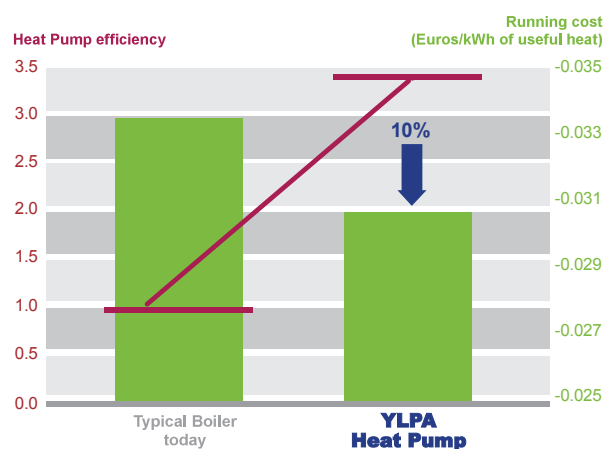
YLPA HE High Efficiency			355	425	505	570	640
Dimensions	Length	mm	4937	5854	6971		
	Width	mm	2246				
	Height	mm	2501				
Operating weight kg			4750	5400	6100	6495	6695

High Efficiency Cooling Mode



500 kW unit, 3000 operating hours, energy rate = 0.1 EUR / kWh

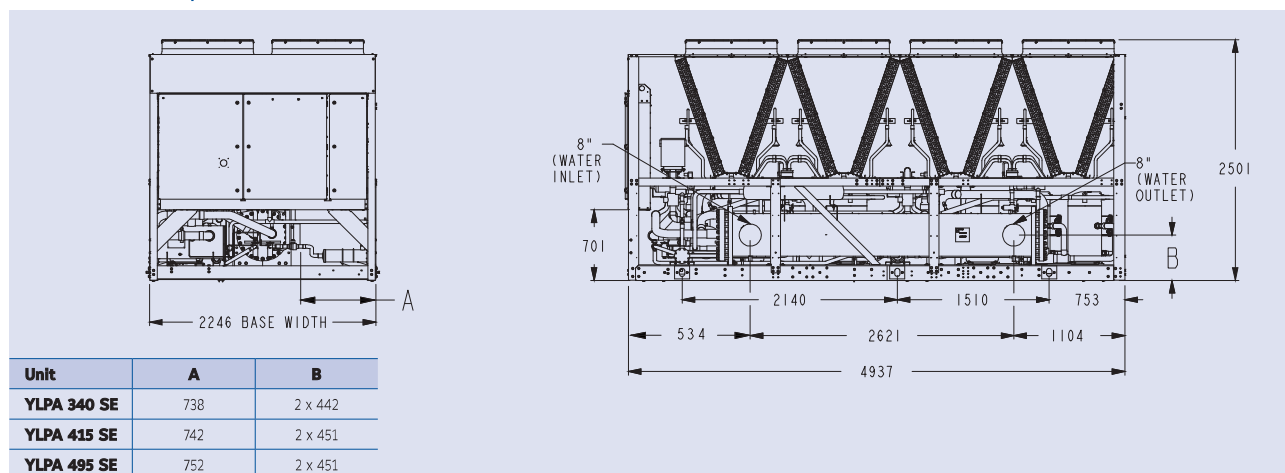
Additional Energy Savings in Heating Mode



Energy Rate: Electricity 0.1 EUR / kWh; Gas 0.03 EUR / kWh

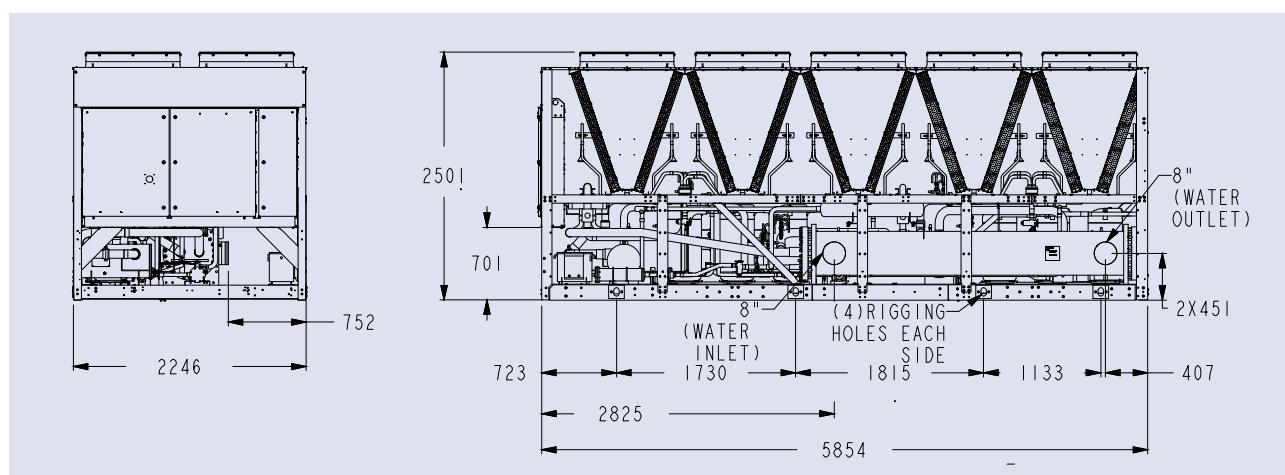
Dimensions and hydraulic connections

YLPA 340 SE, 415 SE & 495 SE



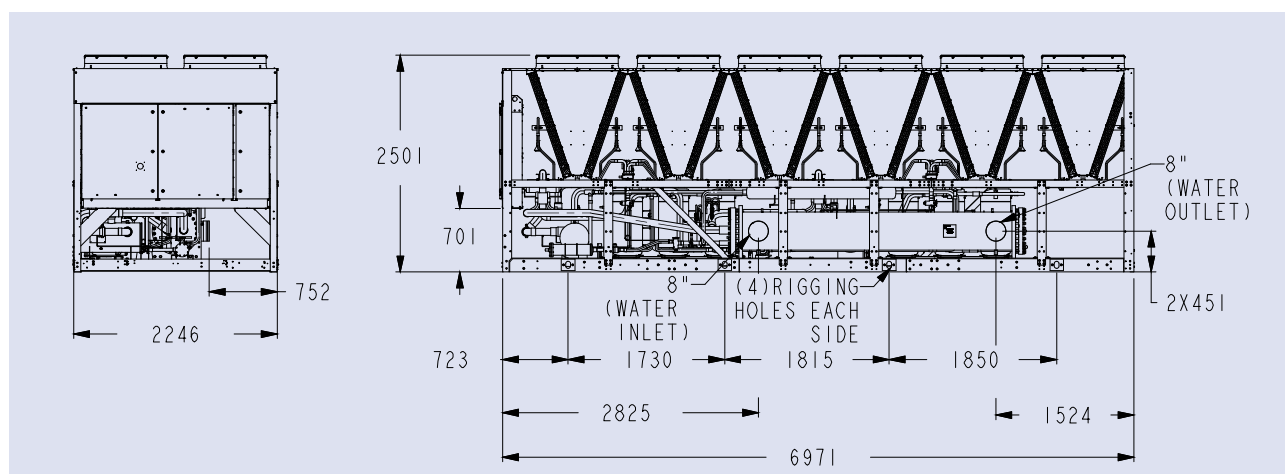
All dimensions in mm. Drawings not a scale.

YLPA 560 SE



All dimensions in mm. Drawings not a scale.

YLPA 610 SE

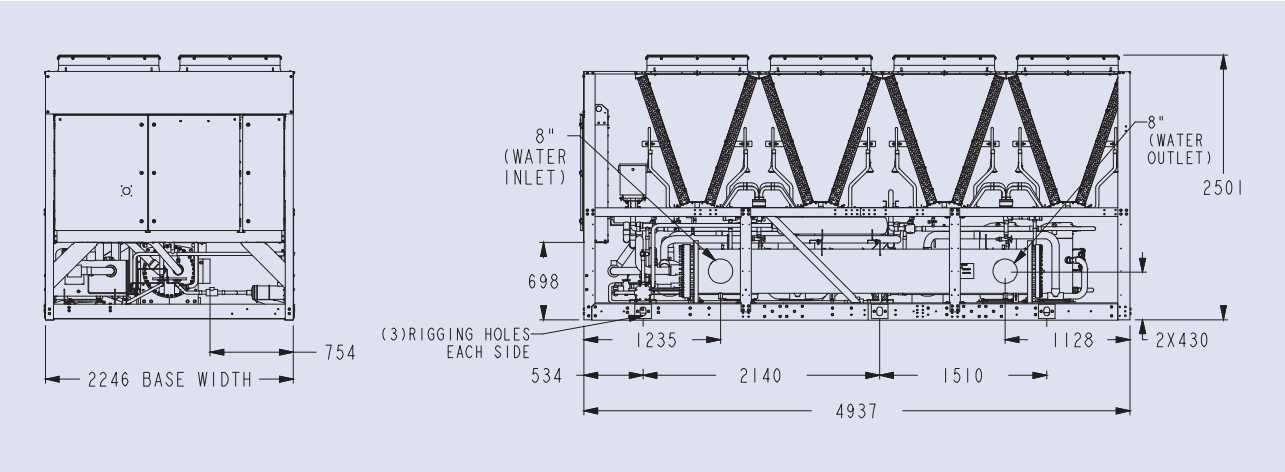


All dimensions in mm. Drawings not a scale.

YLPA 340 to 640

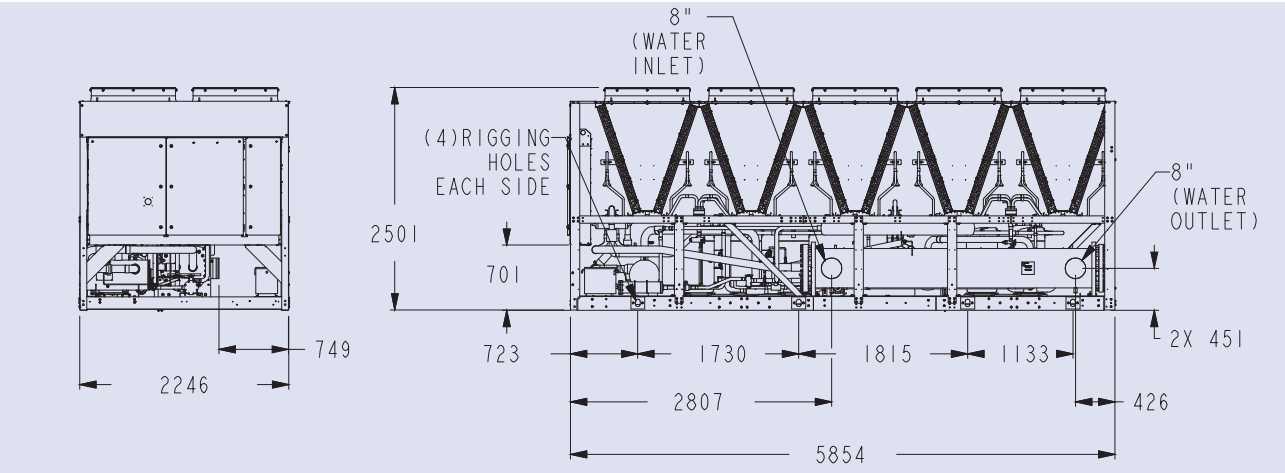


YLPA 355 HE



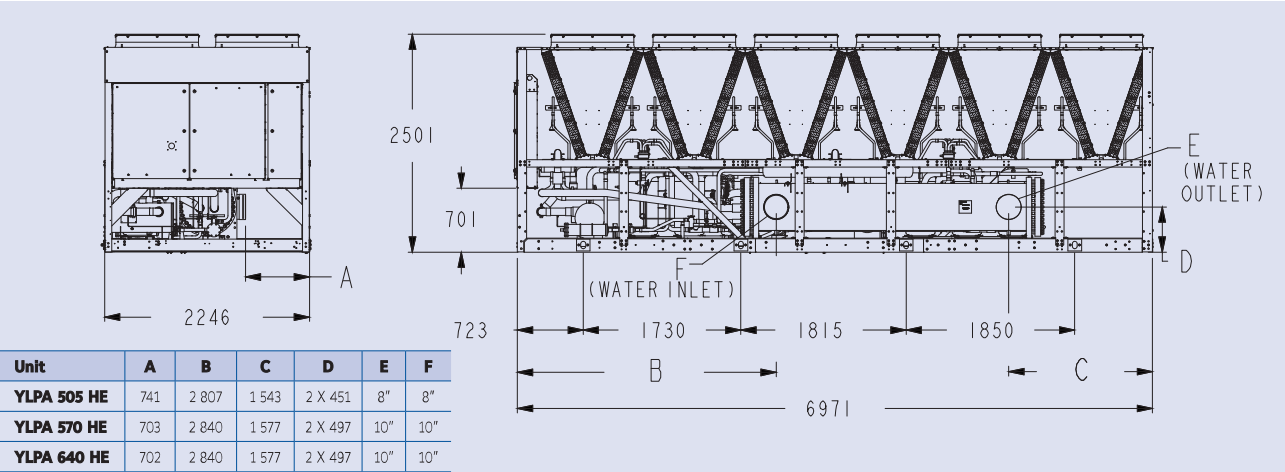
All dimensions in mm. Drawings not a scale.

YLPA 425 HE



All dimensions in mm. Drawings not a scale.

YLPA 505 HE, 570 HE & 640 HE



All dimensions in mm. Drawings not a scale.