

YRW

Water-cooled screw compressor chiller

Cooling capacities from 143 kW to 306 kW



Available as option



Features

YORK® **YRW** water-cooled screw chiller series provide chilled water for all air conditioning applications thanks to the combination of high efficiency in process and comfort cooling applications (Ecodesign Tier II compliant).

The **YRW** can utilize variable speed drive technology to achieve premium efficiency.

The **YRW** helps to reduce CO₂ total emissions using low GWP refrigerant **R513A**.

Options

- Inverted VSD compressor option, up to 5% improved SEER performance
- Modular configurations available, with n.1 cascade controller to connect and run up to 8 identical units
- Soundproofed compressor cabinet (as in the picture), approximately 3-5 dBA reduction
- Heat Pump control, available on request

Water-cooled screw compressor chiller

YRW 151 to 301



Performances

YRW	151	201	251	301
Cooling capacity (kW)	143	195	236	306
Absorbed power (kW)	30.7	43.6	50.8	66.4
SEER ¹	5.57	5.29	5.52	5.33
EER	4.66	4.47	4.65	4.61
Regulation	25/50 ~ 100%			
Refrigerant charge (kg)	20	27	35	41
Evaporator	Inlet water temp. (°C)	12	12	12
	Outlet water temp. (°C)	7	7	7
	Waterflow (m³/h)	24.59	33.54	49.42
	Pressure drop (kPa)	11.2	13	15
Condenser	Inlet water temp. (°C)	30	30	30
	Outlet water temp. (°C)	35	35	35
	Waterflow (m³/h)	29.96	41.11	40.57
	Pressure drop (kPa)	16.2	22.3	12.1
Sound power level dB(A)	92	91	95	92
Max absorbed current (A)	90	125	155	195
Inrush current (A)	269	350	439	612
Power supply	400V /3PH/ 50Hz			

1: Ratings in accordance to Ecodesign, variable water flow and variable outlet (VW/VO).

The above data is based on Johnson Controls' selection software. Please refer to the latest version of the software for specific projects and available options. In the software you can also find the performance data for YRW-VS, the series with the inverter option.

Technical data

YRW	151	201	251	301
Dimensions	Length	1880		
	Width	800	900	
	Height	1820		
Operating weight	1370	1510	1952	2063

Consult the software for the technical data of YRW-VS, the series with inverter option.



Manufacturer reserves the rights to change specifications without prior notice.