JCI Water to Water Heat Pumps offering 2022

Not one product only... but a large variety of solutions available. Johnson Controls masters all compressor technologies & various refrigerant possibilities.
Take a look to the table and all possible heat pumps' applications.

JCI offering					Medium Lift - Low HW T Condenser HW production: 40 up to 65°C Evaporator leaving: 30 down to 0°C					Medium Lift - Medium to High HW T Condenser HW production: 65 up to 95°C Evaporator leaving: 30 down to 20°C					Medium to High Lift - Medium to High HW T Condenser HW production: 65 up to 95°C Evaporator leaving: 30 down to 0°C					Very High Lift - Very High HW T Condenser HW production: 85 - 95°C Evaporator leaving: 10 - 5°C				
Model		Refrigerant	Compressor technology	Typical / Max HW T supply (°C)*	< 1 MW	1-2 MW	2-3.5 MW	3.5-6 MW	> 6 MW	< 1 MW	1-2 MW	2-3.5 MW	3.5-6 MW	> 6 MW	< 1 MW	1-2 MW	2-3.5 MW	3.5-6 MW	> 6 MW	< 1 MW	1-2 MW	2-3.5 MW	3.5-6 MW	> 6 MW
YVWH		R1234ze	screw	50	✓																			
YVWH HP	 COMING SOON		high head screw	80	✓	✓									✓	✓								
YK			centrifugal, oil based	68	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
YK HP			centrifugal, oil based	93									✓	✓				✓	✓					
YK in series			centrifugal	68		✓	✓	✓	✓		✓	✓	✓	✓										
YK HP in series			centrifugal	93									✓	✓				✓	✓				✓	✓
CYK			centrifugal, 2 in series	93				✓	✓				✓	✓				✓	✓				✓	✓
OM			centrifugal, multi-impeller	95					✓					✓					✓					✓
YHAP		R718	absorption	95	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
HeatPAC		R717	reciprocating	75	✓	✓	✓			✓	✓	✓			✓	✓	✓							
HeatPAC HPX			reciprocating	90	✓	✓				✓	✓				✓	✓								
DualPAC			reciprocating, 2 stages	75	✓	✓	✓								✓	✓	✓							
DualPAC HPX			reciprocating, 2 stages	90											✓	✓				✓	✓			
NS HP SGC			screw	70		✓	✓	✓				✓	✓	✓		✓	✓	✓						
Heat Pump 273			screw	95			✓	✓				✓	✓	✓			✓	✓						
Heat Pump 273			screw, 2 stages	95										✓				✓	✓				✓	✓
YWH		R134a	scroll	78	✓					✓					✓									
YMWA / YCWL		R410A	scroll	55	✓																			
YCSE HP / YRW HP YLCS / YVWA		R134a R513A	screw	60	✓																			

* Table and related data are for reference only, they do not cover all the possible applications.
Example: - Hot water supply might be impacted by multiple factors, such as inlet condenser water temperature.
- Lower source temperature at evaporator is possible, to meet ground water application.
Please contact your JCI representative for more details and optimization around job specific design, based on available compressor technology and refrigerant adopted

For more information contact your local Johnson Controls representative or visit us at **www.johnsoncontrols.com**

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