

	1
	2
	3
1.	1 2 /
2	1 2 3 / 3D 3D
3	1 2
4	1 2
5	2 3D
6	1 3 2 / 3D 3D 3D
7.	1 3 2 / 3D 3D
8	2 3 3D 3D

	9	2
	10	
	1 3	
	3D	3D
	1 <Experimental study and comparative performance analysis on thermal-hydraulic characteristic of a novel longitudinal flow oil cooler Applied Thermal Engineering 2021 199 >	
	2 <Experimental study on heat transfer and pressure drop of twisted oval tube bundle in cross flow Experimental Thermal and Fluid Science 2018 99 >	
	3 <Experimental research on the heating performance of a single cylinder refrigerant injection rotary compressor heat pump with flash tank SCIENCE CHINA Technological Sciences 2018 61 >	
	4 <	2017 68 >
	5 <	2022 41 >
	1 <	> ZL201510299902.4
2 <	> ZL202121049663.4	
3 <	> ZL201920894661.1	
4 <	> ZL201910785153.4	
5 <	> ZL201710142613.2	
6 <	> ZL201820991791.2	
7 <		