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苏州为山之环境技术有限公司

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Rev:202603

WR系列空调冷水机应用涡旋压缩机

R513A/R32/R454B

WR Series Scroll Compressor for Air conditioning & Chiller Application

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苏州为山环境技术有限公司

成立于2018年6月，专注于开发节能环保型压缩机，是一家创新型科技企业。为山之研发的涡旋式热泵压缩机核心技术已取得重大突破，并成功应用于多个领域，包括但不限于工业制冷、商用热水、工业蒸汽、农业烘干、制冷工程、精密空调、轨道交通制冷、转轮除湿及工业余热回收等。公司拥有先进的自动化生产线和高精度检测与加工设备，创新工艺流程，产品覆盖从2匹至25匹。公司产品通过了CCC、CE、CB、ROHS & REACH和ISO 9001等多项国际认证。

公司高度重视知识产权保护，产品已获得多项专利证书，公司荣获江苏省民营科技企业和国家级高新技术企业称号。

展望未来，公司将继续加大研发投入，致力于为客户提供绿色环保的热泵及冷冻压缩机解决方案，以减少全球碳排放为使命，为构建绿色地球家园贡献力量。

Suzhou Weishans Climate Technology Co., Ltd

was established in June 2018, and focuses on the development of energy-saving and environment protection compressors. It is an innovative technology enterprise. The core technology of the scroll heat pump compressors developed by Weishans has made significant breakthroughs and has been successfully applied in multiple fields, including but not limited to industrial refrigeration, commercial hot water, industrial steam, agricultural drying, refrigeration engineering, precision air conditioning, rail transit refrigeration, rotary wheel dehumidification and industrial waste heat recovery, etc.

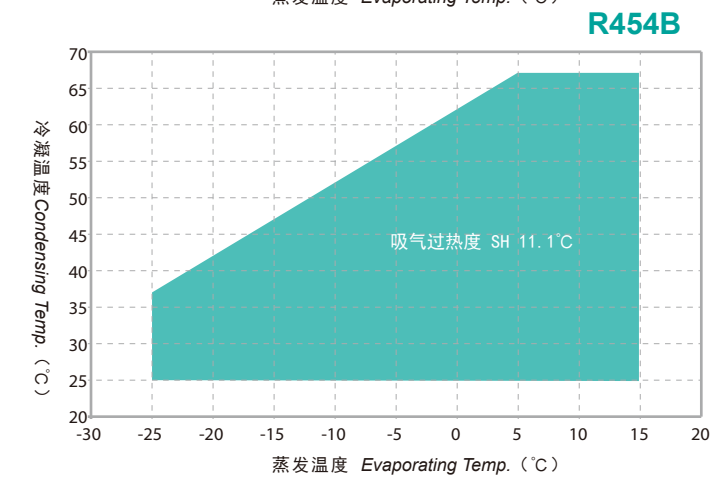
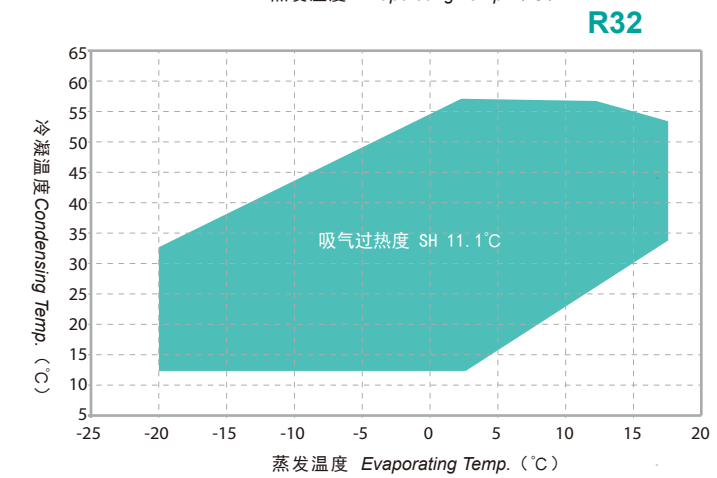
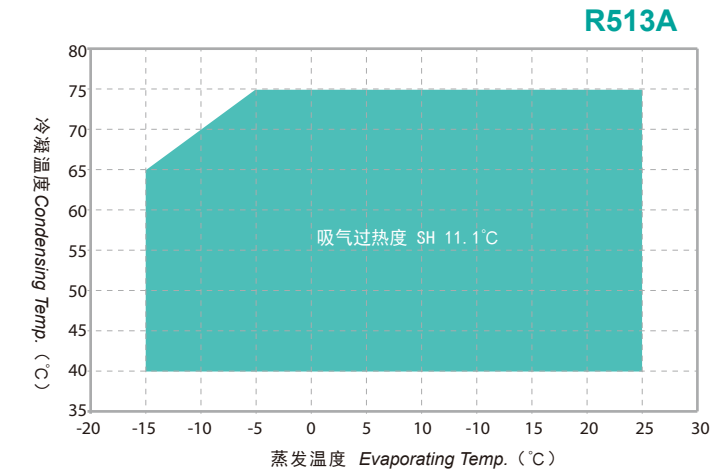
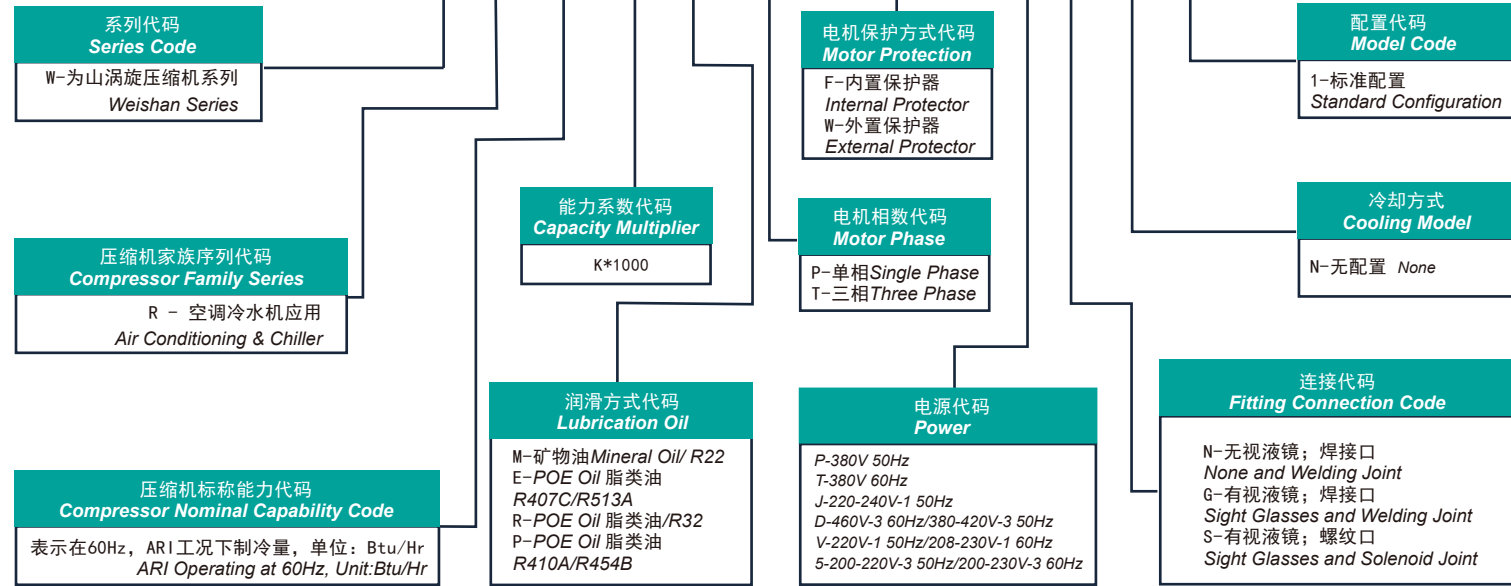
The company owns advanced automated production lines and high-precision testing and machining equipments, innovated technological process, with products covering the range from 2HP to 25HP. The company's products have passed multiple international certifications including CCC, CE, CB, ROHS & REACH and ISO 9001.

The company attaches great importance to the protection of intellectual property rights and has obtained several patent certificates. The company has been awarded the titles of Jiangsu Private Technology Enterprise and National High-tech Enterprise.

Looking forward to the future, the company will continue to increase investment in research and development, and is committed to providing customers with green and environmentally heat pump and refrigeration compressor solutions. With the mission of reducing global carbon emissions, it will contribute to building a green Earth home.

Build a Nine-ren Mountain
Forge Ahead
为山九仞 砥砺前行

WR81KE - TFD - NN1



型号 Model	WR28KE-TFD-NN1	WR36KE-TFD-NN1	WR48KE-TFD-NN1	WR61KE-TFD-NN1	WR72KE-TFD-NN1	WR81KE-TFD-NN1	WR94KE-TFD-NN1
电制 Motor Power	380-420V/3~/50Hz or 460V/3~/60Hz						
名义功率 Nominal Power (HP)	2	3	4	5	6	7	8
排量 Displacement (cc/Rev)	37.2	50.6	63.9	84.5	98.9	108	127
制冷剂 Refrigerant	R513A						
名义制冷量 Nominal Capacity (W)	6399	8705	10993	14536	17014	18579	21848
名义输入功率 Nominal Power (W)	2094	2849	3598	4758	5568	6081	7151
名义工况能效比 COP (W/W)	3.06	3.06	3.06	3.06	3.06	3.06	3.06
名义工况电流 Nominal Operating Current (A)	3.7	5.0	6.4	8.4	9.8	10.7	12.6
堵转电流 LRA (A)	38.8	38.8	38.8	59.3	83.6	83.6	117
最大运行电流 MOC (A)	5.2	7.1	8.9	11.8	13.8	15.0	17.7
曲轴箱加热器功率 Crankcase Heater (W)	70	70	70	70	70	70	90
接管尺寸 Fitting ID Size (mm)	排气管 Dis. Tube	12.94-13.10			12.94-13.10		22.37-22.51
	吸气管 Suc. Tube	22.37-22.51			22.37-22.51		34.97-35.10
外形尺寸 Dimension (mm)	长(L)	244.8			257.01		283.04
	宽(W)	230.5			230.5		240.5
	高(H)	402.55			442.7		522.7
底脚安装尺寸 Mounting Dim. (mm)	190.5x190.5						
润滑油类型 Lubrication Oil	POE						
润滑油初次充注量 Lubrication Oil Initial Charge (L)	1.4	1.4	1.4	1.4	1.8	1.8	3.0
润滑油重新充注量 Lubrication Oil Recharge (L)	1.2	1.2	1.2	1.2	1.6	1.6	2.8
最大工作压力 Maxium Operating Pressure (MPa)	高压侧 High Pressure Side	3.0					
	低压侧 Low Pressure Side	2.0					
重量 Weight (kg)	28	28	28	31	38	38	66

注: 蒸发温度7.2°C, 冷凝温度54.4°C, 回气温度18.3°C, 过冷度8.3°C
Note: Evaporating Temperature 7.2°C, Condensing Temperature 54.4°C, Return Gas Temperature 18.3°C, Subcooling 8.3°C.

型号 Model	WR108KE-TFD-NN1	WR125KE-TFD-NN1	WR144KE-TFD-NN1	WR160KE-TFD-NN1	WR190KE-TFD-NN1	WR250KE-TWD-NN1	WR310KE-TWD-NN1
电制 Motor Power	380-420V/3~/50Hz or 460V/3~/60Hz						
名义功率 Nominal Power (HP)	9	10	12	13	15	20	25
排量 Displacement (cc/Rev)	143.1	167.2	190.8	209	248.9	325	400
制冷剂 Refrigerant	R513A						
名义制冷量 Nominal Capacity (W)	24617	28763	32823	35954	42818	55909	68811
名义输入功率 Nominal Power (W)	8057	9414	10743	11767	14014	18299	22521
名义工况能效比 COP (W/W)	3.06	3.06	3.06	3.06	3.06	3.06	3.06
名义工况电流 Nominal Operating Current (A)	14.2	16.6	19.0	20.8	24.8	32.3	39.8
堵转电流 LRA (A)	117	117	117	117	117	267.9	304
最大运行电流 MOC (A)	19.9	23.3	26.6	29.1	34.7	45.3	55.7
曲轴箱加热器功率 Crankcase Heater (W)	90	90	90	90	90	90	90
接管尺寸 Fitting ID Size (mm)	排气管 Dis. Tube	22.37-22.51		22.37-22.51			28.81-28.95
	吸气管 Suc. Tube	34.97-35.10		34.97-35.10			34.97-35.10
外形尺寸 Dimension (mm)	长(L)	283.04		283.04			296.05
	宽(W)	240.5		235.5			286.05
	高(H)	522.7		522.7			653.7
底脚安装尺寸 Mounting Dim. (mm)	190.5x190.5						
润滑油类型 Lubrication Oil	POE						
润滑油初次充注量 Lubrication Oil Initial Charge (L)	3.0	3.0	3.2	3.2	3.2	5.0	5.0
润滑油重新充注量 Lubrication Oil Recharge (L)	2.8	2.8	3.0	3.0	3.0	4.8	4.8
最大工作压力 Maxium Operating Pressure (MPa)	高压侧 High Pressure Side	3.0					
	低压侧 Low Pressure Side	2.0					
重量 Weight (kg)	66	66	66	66	66	92	92

注: 蒸发温度7.2°C, 冷凝温度54.4°C, 回气温度18.3°C, 过冷度8.3°C
Note: Evaporating Temperature 7.2°C, Condensing Temperature 54.4°C, Return Gas Temperature 18.3°C, Subcooling 8.3°C.

型号 Model	WR28KR-TFD-NN1	WR36KR-TFD-NN1	WR48KR-TFD-NN1	WR61KR-TFD-NN1	WR72KR-TFD-NN1	WR81KR-TFD-NN1	WR94KR-TFD-NN1	
电制 Motor Power	380-420V/3~/50Hz or 460V/3~/60Hz							
名义功率 Nominal Power (HP)	2	3	4	5	6	7	8	
排量 Displacement (cc/Rev)	26.7	32.3	48	63.9	67.1	77.2	89.8	
制冷剂 Refrigerant	R32							
名义制冷量 Nominal Capacity (W)	7622	9211	13689	17281	19154	22037	25633	
名义输入功率 Nominal Power (W)	2340	2829	4204	5301	5882	6766	7873	
名义工况能效比 COP (W/W)	3.26	3.26	3.26	3.26	3.26	3.26	3.26	
名义工况电流 Nominal Operating Current (A)	4.0	4.9	7.3	9.2	10.2	11.7	13.6	
堵转电流 LRA (A)	38.8	38.8	38.8	59.3	76	76	103.4	
最大运行电流 MOC (A)	5.7	7.7	10.2	13.6	14.3	16.4	19.0	
曲轴箱加热器功率 Crankcase Heater (W)	70	70	70	70	70	70	70	
接管尺寸 Fitting ID Size (mm)	排气管 Dis. Tube	12.94-13.10					12.94-13.10	
	吸气管 Suc. Tube	22.37-22.51					22.37-22.51	
外形尺寸 Dimension (mm)	长(L)	244.8					257.01	
	宽(W)	230.5					230.5	
	高(H)	402.55					442.7	
底脚安装尺寸 Mounting Dim. (mm)	190.5x190.5							
润滑油类型 Lubrication Oil	POE							
润滑油初次充注量 Lubrication Oil Initial Charge (L)	1.4	1.4	1.4	1.4	1.4	1.4	1.8	
润滑油重新充注量 Lubrication Oil Recharge (L)	1.2	1.2	1.2	1.2	1.2	1.2	1.6	
最大工作压力 Maxium Operating Pressure (MPa)	高压侧 High Pressure Side	4.3						
	低压侧 Low Pressure Side	2.0						
重量 Weight (kg)	28	28	28	30	31	31	38	

注: 蒸发温度7.2°C, 冷凝温度54.4°C, 回气温度18.3°C, 过冷度8.3°C
Note: Evaporating Temperature 7.2°C, Condensing Temperature 54.4°C, Return Gas Temperature 18.3°C, Subcooling 8.3°C.

型号 Model	WR108KR-TFD-NN1	WR120KR-TFD-NN1	WR144KR-TFD-NN1	WR154KR-TFD-NN1	WR190KR-TWD-NN1	WR235KR-TWD-NN1	WR292KR-TWD-NN1	
电制 Motor Power	380-420V/3~/50Hz or 460V/3~/60Hz							
名义功率 Nominal Power (HP)	9	10	12	13	15	20	25	
排量 Displacement (cc/Rev)	98.9	108	127	143.1	167.2	220	262.8	
制冷剂 Refrigerant	R32							
名义制冷量 Nominal Capacity (W)	28231	29972	35869	40416	47222	65860	77476	
名义输入功率 Nominal Power (W)	8671	9206	10723	12083	14118	20008	23537	
名义工况能效比 COP (W/W)	3.26	3.26	3.35	3.34	3.34	3.29	3.29	
名义工况电流 Nominal Operating Current (A)	14.4	15.6	19.6	20.9	24.4	34.6	40.6	
堵转电流 LRA (A)	103.4	103.4	117	117	117	267.9	267.9	
最大运行电流 MOC (A)	21.1	23.0	27.5	29.2	35.6	48.4	56.9	
曲轴箱加热器功率 Crankcase Heater (W)	70	70	90	90	90	90	90	
接管尺寸 Fitting ID Size (mm)	排气管 Dis. Tube	12.94-13.10		22.37-22.51			28.81-28.95	
	吸气管 Suc. Tube	22.37-22.51		34.97-35.10			34.97-35.10	
外形尺寸 Dimension (mm)	长(L)	257.01		283.04			296.05	
	宽(W)	230.5		240.5			286.05	
	高(H)	442.7		522.7			653.7	
底脚安装尺寸 Mounting Dim. (mm)	190.5x190.5							
润滑油类型 Lubrication Oil	POE							
润滑油初次充注量 Lubrication Oil Initial Charge (L)	1.8	1.8	3.0	3.0	3.0	5.0	5.0	
润滑油重新充注量 Lubrication Oil Recharge (L)	1.6	1.6	2.8	2.8	2.8	4.8	4.8	
最大工作压力 Maxium Operating Pressure (MPa)	高压侧 High Pressure Side	4.3						
	低压侧 Low Pressure Side	2.0						
重量 Weight (kg)	38	38	66	66	66	92	92	

注: 蒸发温度7.2°C, 冷凝温度54.4°C, 回气温度18.3°C, 过冷度8.3°C
Note: Evaporating Temperature 7.2°C, Condensing Temperature 54.4°C, Return Gas Temperature 18.3°C, Subcooling 8.3°C.

型号 Model	WR28KP-TFD-NN1	WR36KP-TFD-NN1	WR48KP-TFD-NN1	WR61KP-TFD-NN1	WR72KP-TFD-NN1	WR81KP-TFD-NN1	WR94KP-TFD-NN1	
电制 Motor Power	380-420V/3~/50Hz or 460V/3~/60Hz							
名义功率 Nominal Power (HP)	2	3	4	5	6	7	8	
排量 Displacement (cc/Rev)	26.7	32.3	48	63.9	67.1	77.2	89.8	
制冷剂 Refrigerant	R454B							
名义制冷量 Nominal Capacity (W)	6797	8223	12219	16267	17082	19653	22860	
名义输入功率 Nominal Power (W)	2299	2782	4134	5503	5779	6648	7734	
名义工况能效比 COP (W/W)	2.96	2.96	2.96	2.96	2.96	2.96	2.96	
名义工况电流 Nominal Operating Current (A)	4.1	4.8	7.3	9.7	10.2	11.8	13.7	
堵转电流 LRA (A)	38.8	38.8	38.8	59.3	76	76	103.4	
最大运行电流 MOC (A)	5.7	7.7	10.2	13.6	14.3	16.4	19.1	
曲轴箱加热器功率 Crankcase Heater (W)	70	70	70	70	70	70	70	
接管尺寸 Fitting ID Size (mm)	排气管 Dis.Tube	12.94-13.10					12.94-13.10	
	吸气管 Suc.Tube	22.37-22.51					22.37-22.51	
外形尺寸 Dimension (mm)	长(L)	244.8					257.01	
	宽(W)	230.5					230.5	
	高(H)	402.55					442.7	
底脚安装尺寸 Mounting Dim. (mm)	190.5x190.5							
润滑油类型 Lubrication Oil	POE							
润滑油初次充注量 Lubrication Oil Initial Charge (L)	1.4	1.4	1.4	1.4	1.4	1.4	1.8	
润滑油重新充注量 Lubrication Oil Recharge (L)	1.2	1.2	1.2	1.2	1.2	1.2	1.6	
最大工作压力 Maxium Operating Pressure (MPa)	高压侧 High Pressure Side	4.3						
	低压侧 Low Pressure Side	2.0						
重量 Weight (kg)	28	28	28	30	31	31	38	

注: 蒸发温度7.2°C, 冷凝温度54.4°C, 回气温度18.3°C, 过冷度8.3°C
Note: Evaporating Temperature 7.2°C, Condensing Temperature 54.4°C, Return Gas Temperature 18.3°C, Subcooling 8.3°C.

型号 Model	WR108KP-TFD-NN1	WR120KP-TFD-NN1	WR144KP-TFD-NN1	WR154KP-TFD-NN1	WR190KP-TWD-NN1	WR235KP-TWD-NN1	WR292KP-TWD-NN1	
电制 Motor Power	380-420V/3~/50Hz or 460V/3~/60Hz							
名义功率 Nominal Power (HP)	9	10	12	13	15	22	25	
排量 Displacement (cc/Rev)	98.9	108	127	143.1	167.2	220	262.8	
制冷剂 Refrigerant	R454B							
名义制冷量 Nominal Capacity (W)	25177	27494	32331	36429	42564	56006	66901	
名义输入功率 Nominal Power (W)	8517	9301	10937	12324	14399	18946	22632	
名义工况能效比 COP (W/W)	2.96	2.96	2.96	2.96	2.96	2.96	2.96	
名义工况电流 Nominal Operating Current (A)	15.1	16.4	19.3	21.8	25.4	33.5	40.0	
堵转电流 LRA (A)	103.4	103.4	117	117	117	267.9	267.9	
最大运行电流 MOC (A)	21.1	23.0	27.5	30.5	35.6	48.4	56.9	
曲轴箱加热器功率 Crankcase Heater (W)	70	70	90	90	90	90	90	
接管尺寸 Fitting ID Size (mm)	排气管 Dis.Tube	12.94-13.10		22.37-22.51			28.81-28.95	
	吸气管 Suc. Tube	22.37-22.51		34.97-35.10			34.97-35.10	
外形尺寸 Dimension (mm)	长(L)	257.01		283.04			296.05	
	宽(W)	230.5		240.5			286.05	
	高(H)	442.7		522.7			653.7	
底脚安装尺寸 Mounting Dim. (mm)	190.5x190.5							
润滑油类型 Lubrication Oil	POE							
润滑油初次充注量 Lubrication Oil Initial Charge (L)	1.8	1.8	3.0	3.0	3.0	5.0	5.0	
润滑油重新充注量 Lubrication Oil Recharge (L)	1.6	1.6	2.8	2.8	2.8	4.8	4.8	
最大工作压力 Maxium Operating Pressure (MPa)	高压侧 High Pressure Side	4.3						
	低压侧 Low Pressure Side	2.0						
重量 Weight (kg)	38	66	66	66	66	92	92	

注: 蒸发温度7.2°C, 冷凝温度54.4°C, 回气温度18.3°C, 过冷度8.3°C
Note: Evaporating Temperature 7.2°C, Condensing Temperature 54.4°C, Return Gas Temperature 18.3°C, Subcooling 8.3°C.

型号 Model	项目 Item (KW)	Tc/Te	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C
WR28KE-TFD-NN1	Q	75°C			3.54	4.06	4.67	5.45	6.49	7.85	9.63
	P				2.85	2.92	3	3.08	3.15	3.24	3.32
	Q	70°C		3.13	3.66	4.22	4.91	5.79	6.96	8.49	10.46
	P			2.56	2.62	2.68	2.75	2.81	2.88	2.95	3.02
	Q	65°C	2.69	3.25	3.8	4.41	5.18	6.18	7.49	9.2	11.38
	P		2.3	2.35	2.4	2.46	2.51	2.57	2.63	2.69	2.75
	Q	60°C	2.81	3.37	3.95	4.63	5.49	6.61	8.08	9.98	12.38
	P		2.12	2.16	2.21	2.25	2.3	2.35	2.4	2.45	2.5
	Q	55°C	2.92	3.49	4.11	4.87	5.83	7.1	8.73	10.83	13.47
	P		1.95	1.98	2.02	2.06	2.1	2.14	2.18	2.23	2.27
	Q	50°C	3.02	3.62	4.3	5.14	6.22	7.63	9.45	11.76	14.64
	P		1.79	1.82	1.85	1.89	1.92	1.95	1.99	2.03	2.06
Q	45°C	3.12	3.75	4.5	5.44	6.65	8.22	10.24	12.77	15.9	
P		1.65	1.68	1.7	1.73	1.76	1.79	1.82	1.85	1.88	
Q	40°C	3.22	3.89	4.72	5.77	7.12	8.87	11.09	13.85	17.26	
P		1.52	1.54	1.57	1.59	1.61	1.64	1.66	1.69	1.72	
WR36KE-TFD-NN1	Q	75°C			4.81	5.52	6.36	7.42	8.82	10.68	13.1
	P				3.88	3.98	4.08	4.18	4.29	4.4	4.51
	Q	70°C		4.26	4.98	5.75	6.68	7.88	9.46	11.55	14.23
	P			3.48	3.56	3.65	3.74	3.83	3.92	4.02	4.11
	Q	65°C	3.66	4.42	5.17	6	7.04	8.4	10.19	12.51	15.48
	P		3.13	3.2	3.27	3.34	3.42	3.5	3.58	3.66	3.74
	Q	60°C	3.82	4.58	5.37	6.29	7.46	8.99	10.99	13.57	16.84
	P		2.88	2.94	3	3.06	3.13	3.19	3.26	3.33	3.4
	Q	55°C	3.97	4.75	5.6	6.62	7.94	9.65	11.88	14.73	18.32
	P		2.65	2.7	2.75	2.8	2.86	2.91	2.97	3.03	3.09
	Q	50°C	4.11	4.92	5.84	6.99	8.46	10.38	12.86	16	19.92
	P		2.44	2.48	2.52	2.57	2.61	2.66	2.71	2.76	2.81
Q	45°C	4.25	5.1	6.12	7.39	9.05	11.19	13.92	17.37	21.63	
P		2.24	2.28	2.32	2.35	2.39	2.43	2.47	2.51	2.56	
Q	40°C	4.37	5.3	6.42	7.84	9.69	12.06	15.08	18.85	23.48	
P		2.07	2.1	2.13	2.16	2.2	2.23	2.26	2.3	2.34	
WR48KE-TFD-NN1	Q	75°C			6.07	6.97	8.03	9.37	11.14	13.49	16.54
	P				4.89	5.02	5.15	5.28	5.42	5.56	5.7
	Q	70°C		5.39	6.29	7.26	8.43	9.95	11.95	14.58	17.98
	P			4.39	4.5	4.61	4.72	4.83	4.95	5.07	5.19
	Q	65°C	4.63	5.59	6.52	7.58	8.9	10.61	12.86	15.8	19.55
	P		3.95	4.04	4.13	4.22	4.32	4.42	4.52	4.62	4.73
	Q	60°C	4.83	5.79	6.78	7.95	9.43	11.36	13.88	17.14	21.27
	P		3.64	3.71	3.79	3.87	3.95	4.03	4.12	4.2	4.29
	Q	55°C	5.02	6	7.07	8.36	10.02	12.19	15	18.6	23.13
	P		3.34	3.41	3.47	3.54	3.61	3.68	3.75	3.82	3.9
	Q	50°C	5.19	6.22	7.38	8.82	10.69	13.11	16.24	20.2	25.15
	P		3.08	3.13	3.18	3.24	3.3	3.36	3.42	3.48	3.54
Q	45°C	5.36	6.45	7.72	9.34	11.42	14.13	17.58	21.93	27.32	
P		2.83	2.88	2.92	2.97	3.02	3.07	3.12	3.17	3.23	
Q	40°C	5.52	6.69	8.1	9.91	12.24	15.23	19.04	23.8	29.65	
P		2.61	2.65	2.69	2.73	2.77	2.81	2.86	2.9	2.95	

注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
Note: The above data are based on 11.1k supheating and 8.3k subcooling.

型号 Model	项目 Item (KW)	Tc/Te	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C
WR61KE-TFD-NN1	Q	75°C			8.03	9.22	10.61	12.39	14.73	17.83	21.88
	P				6.47	6.64	6.81	6.99	7.17	7.35	7.54
	Q	70°C		7.12	8.32	9.6	11.15	13.16	15.8	19.28	23.77
	P			5.81	5.95	6.09	6.24	6.39	6.55	6.71	6.87
	Q	65°C	6.12	7.39	8.63	10.02	11.76	14.03	17.01	20.89	25.85
	P		5.23	5.34	5.46	5.58	5.71	5.84	5.97	6.11	6.25
	Q	60°C	6.39	7.66	8.97	10.51	12.46	15.02	18.35	22.66	28.12
	P		4.81	4.91	5.01	5.11	5.22	5.33	5.44	5.56	5.68
	Q	55°C	6.63	7.93	9.34	11.06	13.25	16.12	19.84	24.6	30.59
	P		4.42	4.51	4.59	4.68	4.77	4.86	4.96	5.06	5.16
	Q	50°C	6.87	8.22	9.76	11.67	14.13	17.34	21.47	26.72	33.26
	P		4.07	4.14	4.21	4.28	4.36	4.44	4.52	4.6	4.69
Q	45°C	7.09	8.52	10.22	12.35	15.11	18.68	23.25	29	36.13	
P		3.75	3.81	3.87	3.93	3.99	4.06	4.13	4.2	4.27	
Q	40°C	7.3	8.85	10.72	13.1	16.18	20.15	25.18	31.47	39.2	
P		3.46	3.51	3.56	3.61	3.67	3.72	3.78	3.84	3.9	
WR72KE-TFD-NN1	Q	75°C			9.4	10.8	12.42	14.5	17.24	20.87	25.6
	P				7.58	7.77	7.97	8.18	8.39	8.6	8.82
	Q	70°C		8.33	9.73	11.23	13.05	15.4	18.5	22.57	27.82
	P			6.8	6.96	7.13	7.3	7.48	7.66	7.85	8.04
	Q	65°C	7.16	8.65	10.1	11.73	13.77	16.42	19.91	24.45	30.26
	P		6.12	6.25	6.39	6.54	6.68	6.84	6.99	7.15	7.31
	Q	60°C	7.47	8.96	10.5	12.3	14.59	17.58	21.48	26.52	32.92
	P		5.63	5.74	5.86	5.98	6.11	6.24	6.37	6.51	6.65
	Q	55°C	7.77	9.29	10.94	12.94	15.51	18.86	23.22	28.8	35.81
	P		5.18	5.27	5.37	5.48	5.58	5.69	5.8	5.92	6.04
	Q	50°C	8.04	9.62	11.42	13.66	16.54	20.29	25.13	31.27	38.93
	P		4.76	4.84	4.93	5.01	5.1	5.19	5.29	5.39	5.49
Q	45°C	8.3	9.98	11.96	14.45	17.68	21.86	27.21	33.95	42.28	
P		4.38	4.45	4.53	4.6	4.67	4.75	4.83	4.91	4.99	
Q	40°C	8.55	10.35	12.54	15.33	18.94	23.58	29.47	36.83	45.88	
P		4.05	4.11	4.17	4.23	4.29	4.36	4.42	4.49	4.56	
WR81KE-TFD-NN1	Q	75°C			10.27	11.79	13.56	15.83	18.83	22.79	27.96
	P				8.27	8.49	8.71	8.93	9.16	9.39	9.63
	Q	70°C		9.1	10.63	12.27	14.25	16.81	20.2	24.64	30.38
	P			7.43	7.6	7.79	7.98	8.17	8.37	8.57	8.78
	Q	65°C	7.82	9.44	11.03	12.81	15.04	17.93	21.74	26.7	33.04
	P		6.68	6.83	6.98	7.14	7.3	7.46	7.63	7.81	7.99
	Q	60°C	8.16	9.79	11.46	13.43	15.93	19.19	23.46	28.96	35.95
	P		6.15	6.27	6.4	6.53	6.67	6.81	6.96	7.1	7.26
	Q	55°C	8.48	10.14	11.94	14.13	16.94	20.6	25.36	31.44	39.1
	P		5.65	5.76	5.87	5.98	6.1	6.21	6.34	6.46	6.59
	Q	50°C	8.78	10.51	12.47	14.91	18.06	22.16	27.44	34.15	42.51
	P		5.2	5.29	5.38	5.48	5.57	5.67	5.77	5.88	5.99
Q	45°C	9.06	10.9	13.06	15.78	19.31	23.87	29.72	37.07	46.18	
P		4.79	4.86	4.94	5.02	5.1	5.19	5.27	5.36	5.45	
Q	40°C	9.34	11.31	13.7	16.74	20.68	25.75	32.18	40.22	50.11	
P		4.42	4.48	4.55	4.62	4.69	4.76	4.83	4.91	4.98	

注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
Note: The above data are based on 11.1k supheating and 8.3k subcooling.

型号 Model	项目 Item (kW)	TcIte	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C
WR94KE-TFD-NN1	Q	75°C			12.07	13.86	15.95	18.62	22.14	26.8	32.88
	P				9.73	9.98	10.24	10.5	10.77	11.05	11.33
	Q	70°C		10.7	12.5	14.42	16.75	19.77	23.75	28.98	35.73
	P			8.73	8.94	9.16	9.38	9.61	9.84	10.08	10.32
	Q	65°C	9.19	11.1	12.97	15.07	17.68	21.09	25.57	31.4	38.85
	P		7.85	8.03	8.21	8.39	8.58	8.78	8.98	9.18	9.39
	Q	60°C	9.6	11.51	13.48	15.8	18.73	22.57	27.59	34.06	42.27
	P		7.23	7.38	7.53	7.68	7.85	8.01	8.18	8.35	8.53
	Q	55°C	9.97	11.92	14.05	16.62	19.92	24.22	29.82	36.98	45.98
	P		6.65	6.77	6.9	7.03	7.17	7.31	7.45	7.6	7.75
	Q	50°C	10.32	12.36	14.67	17.54	21.24	26.06	32.27	40.15	49.99
	P		6.12	6.22	6.33	6.44	6.55	6.67	6.79	6.92	7.04
Q	45°C	10.66	12.81	15.35	18.56	22.7	28.07	34.94	43.59	54.3	
P		5.63	5.72	5.81	5.9	6	6.1	6.2	6.31	6.41	
Q	40°C	10.98	13.3	16.11	19.69	24.32	30.28	37.85	47.3	58.92	
P		5.2	5.27	5.35	5.43	5.51	5.59	5.68	5.77	5.86	
WR108KE-TFD-NN1	Q	75°C			13.6	15.62	17.97	20.98	24.95	30.2	37.05
	P				10.96	11.24	11.53	11.83	12.14	12.45	12.77
	Q	70°C		12.06	14.08	16.25	18.88	22.28	26.76	32.65	40.25
	P			9.84	10.08	10.32	10.57	10.83	11.09	11.36	11.63
	Q	65°C	10.36	12.51	14.61	16.98	19.92	23.76	28.81	35.38	43.78
	P		8.85	9.05	9.25	9.46	9.67	9.89	10.11	10.35	10.58
	Q	60°C	10.81	12.97	15.19	17.8	21.11	25.43	31.08	38.38	47.63
	P		8.14	8.31	8.48	8.66	8.84	9.03	9.22	9.41	9.62
	Q	55°C	11.24	13.43	15.83	18.72	22.44	27.3	33.6	41.66	51.81
	P		7.49	7.63	7.78	7.92	8.08	8.23	8.4	8.56	8.73
	Q	50°C	11.63	13.92	16.53	19.76	23.93	29.36	36.36	45.24	56.32
	P		6.89	7.01	7.13	7.26	7.38	7.52	7.65	7.79	7.94
Q	45°C	12.01	14.44	17.3	20.91	25.58	31.63	39.37	49.12	61.18	
P		6.34	6.44	6.55	6.65	6.76	6.87	6.99	7.1	7.23	
Q	40°C	12.37	14.98	18.15	22.18	27.4	34.12	42.64	53.3	66.39	
P		5.85	5.94	6.03	6.12	6.21	6.3	6.4	6.5	6.6	
WR125KE-TFD-NN1	Q	75°C			15.89	18.25	21	24.51	29.15	35.29	43.29
	P				12.81	13.14	13.48	13.82	14.18	14.54	14.92
	Q	70°C		14.09	16.46	18.99	22.06	26.03	31.27	38.15	47.03
	P			11.5	11.77	12.06	12.35	12.65	12.96	13.27	13.59
	Q	65°C	12.1	14.62	17.07	19.84	23.28	27.76	33.66	41.33	51.15
	P		10.34	10.57	10.81	11.05	11.3	11.56	11.82	12.09	12.37
	Q	60°C	12.63	15.15	17.75	20.8	24.66	29.71	36.32	44.84	55.65
	P		9.51	9.71	9.91	10.12	10.33	10.55	10.77	11	11.24
	Q	55°C	13.13	15.7	18.49	21.88	26.22	31.89	39.26	48.68	60.53
	P		8.75	8.92	9.09	9.26	9.44	9.62	9.81	10	10.21
	Q	50°C	13.59	16.27	19.31	23.09	27.96	34.31	42.48	52.86	65.81
	P		8.05	8.19	8.33	8.48	8.63	8.78	8.94	9.1	9.27
Q	45°C	14.03	16.87	20.21	24.43	29.89	36.96	46	57.39	71.49	
P		7.41	7.53	7.65	7.77	7.9	8.03	8.16	8.3	8.44	
Q	40°C	14.45	17.5	21.2	25.92	32.02	39.86	49.83	62.27	77.57	
P		6.84	6.94	7.04	7.15	7.25	7.36	7.48	7.59	7.72	

注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
Note: The above data are based on 11.1k supheating and 8.3k subcooling.

型号 Model	项目 Item (kW)	TcIte	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C
WR144KE-TFD-NN1	Q	75°C			18.14	20.83	23.96	27.97	33.27	40.27	49.4
	P				14.62	14.99	15.38	15.78	16.18	16.6	17.02
	Q	70°C		16.08	18.78	21.67	25.17	29.7	35.69	43.54	53.67
	P			13.12	13.44	13.76	14.09	14.43	14.78	15.14	15.51
	Q	65°C	13.81	16.68	19.48	22.63	26.56	31.68	38.41	47.17	58.37
	P		11.8	12.06	12.33	12.61	12.89	13.19	13.49	13.79	14.11
	Q	60°C	14.42	17.29	20.25	23.73	28.14	33.91	41.44	51.17	63.5
	P		10.86	11.08	11.31	11.55	11.79	12.03	12.29	12.55	12.82
	Q	55°C	14.98	17.91	21.1	24.96	29.92	36.39	44.8	55.55	69.08
	P		9.99	10.17	10.37	10.57	10.77	10.98	11.19	11.42	11.65
	Q	50°C	15.51	18.56	22.04	26.34	31.91	39.15	48.48	60.32	75.1
	P		9.19	9.35	9.51	9.67	9.84	10.02	10.2	10.39	10.58
Q	45°C	16.01	19.25	23.07	27.88	34.11	42.18	52.5	65.49	81.58	
P		8.46	8.59	8.73	8.87	9.01	9.16	9.31	9.47	9.64	
Q	40°C	16.49	19.98	24.2	29.58	36.53	45.49	56.86	71.06	88.52	
P		7.81	7.92	8.04	8.16	8.28	8.4	8.53	8.67	8.81	
WR160KE-TFD-NN1	Q	75°C			19.87	22.81	26.25	30.64	36.44	44.11	54.11
	P				16.01	16.42	16.85	17.28	17.72	18.18	18.65
	Q	70°C		17.61	20.57	23.74	27.57	32.54	39.09	47.69	58.79
	P			14.37	14.72	15.07	15.44	15.81	16.19	16.59	16.99
	Q	65°C	15.13	18.27	21.34	24.79	29.1	34.7	42.07	51.67	63.94
	P		12.92	13.21	13.51	13.81	14.12	14.44	14.77	15.11	15.46
	Q	60°C	15.79	18.94	22.18	25.99	30.83	37.14	45.4	56.05	69.56
	P		11.89	12.14	12.39	12.65	12.91	13.18	13.46	13.75	14.05
	Q	55°C	16.41	19.62	23.11	27.35	32.78	39.87	49.07	60.85	75.67
	P		10.94	11.15	11.36	11.57	11.8	12.03	12.26	12.51	12.76
	Q	50°C	16.99	20.34	24.14	28.86	34.95	42.88	53.1	66.08	82.26
	P		10.06	10.24	10.41	10.6	10.78	10.98	11.18	11.38	11.59
Q	45°C	17.54	21.09	25.27	30.54	37.36	46.2	57.5	71.74	89.36	
P		9.27	9.41	9.56	9.72	9.87	10.04	10.2	10.38	10.56	
Q	40°C	18.07	21.88	26.5	32.4	40.02	49.83	62.28	77.84	96.96	
P		8.55	8.68	8.8	8.93	9.07	9.21	9.35	9.49	9.65	
WR190KE-TFD-NN1	Q	75°C			23.66	27.17	31.26	36.49	43.4	52.53	64.44
	P				19.07	19.56	20.06	20.58	21.11	21.65	22.21
	Q	70°C		20.98	24.5	28.27	32.84	38.75	46.55	56.79	70.02
	P			17.11	17.53	17.95	18.38	18.83	19.29	19.75	20.23
	Q	65°C	18.02	21.76	25.41	29.53	34.65	41.33	50.11	61.53	76.15
	P		15.39	15.74	16.09	16.45	16.82	17.2	17.59	17.99	18.41
	Q	60°C	18.81	22.55	26.42	30.96	36.71	44.23	54.06	66.75	82.84
	P		14.16	14.46	14.75	15.06	15.38	15.7	16.03	16.37	16.73
	Q	55°C	19.54	23.37	27.53	32.57	39.03	47.48	58.44	72.47	90.11
	P		13.03	13.27	13.52	13.78	14.05	14.32	14.6	14.89	15.19
	Q	50°C	20.23	24.22	28.75	34.37	41.63	51.07	63.24	78.69	97.97
	P		11.98	12.19	12.4	12.62	12.84	13.07	13.31	13.55	13.81
Q	45°C	20.89	25.11	30.09	36.37	44.5	55.02	68.48	85.43	106.42	
P		11.04	11.21	11.39	11.57	11.76	11.95	12.15	12.36	12.57	
Q	40°C	21.52	26.06	31.56	38.58	47.66	59.34	74.17	92.7	115.47	
P		10.18	10.33	10.48	10.64	10.8	10.96	11.13	11.31	11.49	

注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
Note: The above data are based on 11.1k supheating and 8.3k subcooling.

型号 Model	项目 Item (kW)	Tc\Te	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WR250KE-TWD-NN1	Q	75°C			30.9	35.47	40.82	47.65	56.67	68.59	84.14	
	P				24.9	25.54	26.2	26.87	27.56	28.27	28.99	
	Q	70°C		27.39	31.99	36.91	42.88	50.6	60.79	74.16	91.42	
	P			22.34	22.89	23.44	24.01	24.59	25.18	25.79	26.42	
	Q	65°C	23.53	28.41	33.18	38.55	45.24	53.96	65.42	80.34	99.43	
	P		20.1	20.55	21.01	21.48	21.96	22.46	22.97	23.5	24.04	
	Q	60°C	24.56	29.45	34.5	40.42	47.94	57.76	70.59	87.16	108.17	
	P		18.49	18.88	19.27	19.67	20.08	20.5	20.93	21.38	21.84	
	Q	55°C	25.52	30.51	35.94	42.52	50.97	61.99	76.31	94.63	117.66	
	P		17.01	17.33	17.66	18	18.34	18.7	19.07	19.45	19.84	
	Q	50°C	26.42	31.62	37.54	44.87	54.35	66.68	82.58	102.75	127.92	
	P		15.65	15.92	16.19	16.48	16.77	17.07	17.38	17.7	18.03	
	Q	45°C	27.27	32.79	39.29	47.49	58.1	71.84	89.42	111.55	138.95	
	P		14.41	14.64	14.87	15.11	15.35	15.61	15.87	16.14	16.41	
	Q	40°C	28.1	34.03	41.22	50.38	62.23	77.48	96.85	121.04	150.78	
	P		13.3	13.49	13.69	13.89	14.1	14.31	14.54	14.76	15	
	WR310KE-TWD-NN1	Q	75°C			38.03	43.66	50.24	58.64	69.74	84.42	103.56
		P				30.64	31.43	32.24	33.07	33.92	34.79	35.69
Q		70°C		33.71	39.37	45.43	52.77	62.27	74.81	91.27	112.52	
P				27.5	28.17	28.85	29.54	30.26	30.99	31.75	32.52	
Q		65°C	28.95	34.96	40.84	47.45	55.69	66.42	80.52	98.88	122.37	
P			24.74	25.29	25.86	26.44	27.03	27.64	28.27	28.92	29.58	
Q		60°C	30.23	36.24	42.46	49.75	59	71.09	86.88	107.27	133.13	
P			22.76	23.23	23.71	24.2	24.71	25.23	25.76	26.31	26.88	
Q		55°C	31.41	37.55	44.24	52.34	62.73	76.3	93.92	116.46	144.82	
P			20.94	21.33	21.74	22.15	22.58	23.02	23.47	23.93	24.41	
Q		50°C	32.52	38.92	46.2	55.23	66.9	82.07	101.63	126.47	157.44	
P			19.26	19.59	19.93	20.28	20.64	21.01	21.39	21.78	22.19	
Q		45°C	33.57	40.35	48.36	58.45	71.51	88.42	110.06	137.3	171.02	
P			17.74	18.02	18.3	18.6	18.9	19.21	19.53	19.86	20.2	
Q		40°C	34.58	41.88	50.73	62.01	76.59	95.36	119.2	148.98	185.57	
P			16.36	16.6	16.85	17.1	17.35	17.62	17.89	18.17	18.46	

注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
Note: The above data are based on 11.1k supheating and 8.3k subcooling.

型号 Model	项目 Item (kW)	Tc\Te	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	18°C
WR28KR-TFD-NN1	Q	58°C						6.75	7.94		
	P						2.49	2.55			
	Q	55°C					5.96	7.03	8.3	9.83	
	P						2.31	2.34	2.41	2.49	
	Q	50°C				5.26	6.28	7.45	8.83	10.49	11.66
	P					2.05	2.07	2.12	2.18	2.26	2.32
	Q	45°C				5.51	6.59	7.83	9.31	11.09	12.34
	P					1.84	1.87	1.92	1.98	2.06	2.11
	Q	40°C			4.8	5.8	6.91	8.21	9.76	11.64	12.96
	P				1.63	1.65	1.69	1.74	1.81	1.87	1.92
	Q	35°C		4.23	5.17	6.16	7.29	8.62	10.23	12.19	13.57
	P			1.46	1.47	1.5	1.55	1.6	1.66	1.71	1.75
	Q	30°C		3.89	4.77	5.65	6.62	7.74	9.09	10.75	12.77
	P			1.31	1.32	1.35	1.39	1.44	1.48	1.53	1.58
	Q	25°C		4.69	5.48	6.3	7.22	8.32	9.67	11.34	
	P			1.21	1.23	1.27	1.31	1.36	1.4	1.44	
	Q	20°C		5.72	6.4	7.13	7.99	9.05	10.38		
	P					1.23	1.27	1.31	1.35		
Q	15°C		7.01	7.56	8.19	8.96	9.96				
P				1.18	1.22	1.27	1.3				
Q	12°C		7.92	8.38	8.94	9.66	10.61				
P			1.15	1.2	1.24	1.29	1.32				
WR36KR-TFD-NN1	Q	58°C						8.16	9.59		
	P						3.01	3.08			
	Q	55°C					7.2	8.5	10.03	11.87	
	P						2.79	2.83	2.91	3.01	
	Q	50°C				6.35	7.6	9	10.67	12.68	14.09
	P					2.48	2.51	2.56	2.64	2.74	2.8
	Q	45°C				6.66	7.97	9.46	11.25	13.4	14.91
	P					2.22	2.26	2.32	2.4	2.49	2.55
	Q	40°C			5.8	7.01	8.36	9.92	11.8	14.07	15.67
	P				1.97	2	2.05	2.11	2.18	2.27	2.32
	Q	35°C		5.11	6.24	7.45	8.81	10.42	12.36	14.74	16.4
	P			1.76	1.78	1.82	1.87	1.93	2	2.07	2.12
	Q	30°C		4.7	5.76	6.84	8	9.36	10.99	12.99	15.44
	P			1.59	1.6	1.64	1.68	1.73	1.79	1.85	1.91
	Q	25°C		5.67	6.63	7.61	8.73	10.06	11.69	13.71	
	P			1.46	1.49	1.53	1.58	1.64	1.69	1.74	
	Q	20°C		6.92	7.74	8.62	9.66	10.94	12.55		
	P					1.48	1.53	1.58	1.62		
Q	15°C		8.48	9.14	9.9	10.84	12.04				
P				1.42	1.47	1.53	1.57				
Q	12°C		9.58	10.14	10.81	11.68	12.83				
P			1.38	1.44	1.5	1.54	1.58				
WR48KR-TFD-NN1	Q	58°C						12.13	14.26		
	P						4.47	4.58			
	Q	55°C					10.7	12.63	14.9	17.64	
	P						4.14	4.21	4.32	4.47	
	Q	50°C				9.44	11.29	13.38	15.86	18.84	20.93
	P					3.68	3.72	3.8	3.92	4.07	4.17
	Q	45°C				9.9	11.84	14.06	16.71	19.91	22.15
	P					3.3	3.35	3.44	3.56	3.7	3.79
	Q	40°C			8.62	10.42	12.42	14.74	17.53	20.91	23.28
	P				2.93	2.97	3.04	3.13	3.24	3.37	3.45
	Q	35°C			7.6	9.28	11.07	13.09	15.48	18.37	21.9
	P				2.62	2.65	2.7	2.78	2.87	2.97	3.08
	Q	30°C		6.99	8.57	10.16	11.9	13.91	16.33	19.3	22.94
	P			2.36	2.38	2.43	2.5	2.58	2.66	2.75	2.84
	Q	25°C		8.43	9.85	11.32	12.97	14.94	17.37	20.38	
	P			2.17	2.22	2.28	2.35	2.43	2.51	2.58	
	Q	20°C		10.28	11.5	12.81	14.35	16.25	18.64		
	P					2.2	2.28	2.35	2.41		
Q	15°C		12.6	13.59	14.71	16.1	17.89				
P				2.11	2.19	2.27	2.33				
Q	12°C		14.24	15.07	16.07	17.35	19.07				
P			2.05	2.14	2.22	2.3	2.35				

注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
Note: The above data are based on 11.1k supheating and 8.3k subcooling.

型号Model	项目Item (kW)	Tc\Te	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	18°C
WR61KR-TFD-NN1	Q	58°C						15.12	17.97		
	P							5.7	5.73		
	Q	55°C					13.24	15.87	18.82	22.1	
	P						5.34	5.35	5.4	5.49	
	Q	50°C				11.81	14.28	17.05	20.16	23.61	25.85
	P					4.8	4.8	4.83	4.89	5.01	5.11
	Q	45°C				12.66	15.24	18.16	21.41	25.02	27.35
	P					4.31	4.33	4.37	4.46	4.59	4.71
	Q	40°C			11.06	13.44	16.14	19.18	22.57	26.31	28.73
	P				3.88	3.89	3.92	3.98	4.08	4.25	4.38
	Q	35°C		9.54	11.7	14.17	16.97	20.12	23.62	27.49	29.99
	P			3.48	3.5	3.52	3.57	3.64	3.77	3.96	4.1
	Q	30°C	8.15	10.06	12.28	14.84	17.73	20.97	24.58	28.56	
	P		3.11	3.14	3.17	3.2	3.26	3.36	3.51	3.72	
	Q	25°C	8.58	10.54	12.82	15.44	18.4	21.73	25.43		
	P		2.81	2.84	2.88	2.93	3.01	3.13	3.3		
WR72KR-TFD-NN1	Q	58°C						16.97	19.95		
	P							6.26	6.41		
	Q	55°C					14.98	17.68	20.85	24.69	
	P						5.79	5.89	6.05	6.26	
	Q	50°C				13.21	15.79	18.72	22.19	26.37	29.3
	P					5.15	5.21	5.32	5.48	5.69	5.82
	Q	45°C				13.85	16.56	19.68	23.38	27.86	31
	P					4.61	4.69	4.82	4.98	5.17	5.3
	Q	40°C			12.06	14.58	17.37	20.63	24.53	29.26	32.58
	P				4.1	4.16	4.25	4.38	4.54	4.71	4.82
	Q	35°C		10.63	12.98	15.48	18.31	21.66	25.71	30.65	34.12
	P			3.67	3.7	3.78	3.89	4.02	4.16	4.31	4.4
	Q	30°C	9.78	11.99	14.21	16.64	19.46	22.86	27.01	32.11	
	P		3.3	3.33	3.4	3.49	3.6	3.73	3.85	3.97	
	Q	25°C	11.8	13.78	15.83	18.15	20.91	24.3	28.51		
	P		3.03	3.1	3.19	3.29	3.41	3.52	3.62		
WR81KR-TFD-NN1	Q	58°C						19.53	22.95		
	P							7.2	7.38		
	Q	55°C					17.23	20.34	23.99	28.4	
	P						6.67	6.78	6.96	7.2	
	Q	50°C				15.2	18.17	21.54	25.53	30.33	33.7
	P					5.93	5.99	6.12	6.31	6.54	6.71
	Q	45°C				15.94	19.06	22.64	26.9	32.05	35.66
	P					5.31	5.4	5.54	5.73	5.95	6.1
	Q	40°C			13.88	16.78	19.99	23.74	28.22	33.66	37.47
	P				4.72	4.78	4.89	5.04	5.22	5.42	5.55
	Q	35°C		12.23	14.94	17.81	21.07	24.92	29.58	35.26	39.24
	P			4.22	4.26	4.35	4.47	4.62	4.79	4.96	5.06
	Q	30°C	11.25	13.79	16.35	19.15	22.39	26.3	31.07	36.93	
	P		3.8	3.84	3.91	4.02	4.15	4.29	4.43	4.57	
	Q	25°C	13.57	15.85	18.22	20.88	24.06	27.96	32.8		
	P		3.49	3.57	3.67	3.79	3.92	4.04	4.16		
WR94KR-TFD-NN1	Q	58°C						22.71	26.7		
	P							8.38	8.58		
	Q	55°C					20.04	23.66	27.91	33.04	
	P						7.75	7.88	8.1	8.38	
	Q	50°C				17.68	21.13	25.06	29.69	35.29	39.22
	P					6.9	6.97	7.12	7.34	7.62	7.81
	Q	45°C				18.54	22.17	26.34	31.3	37.3	41.5
	P					6.18	6.28	6.45	6.67	6.93	7.1
	Q	40°C			16.14	19.51	23.25	27.61	32.83	39.17	43.6
	P				5.49	5.56	5.69	5.87	6.08	6.31	6.46
	Q	35°C		14.23	17.38	20.72	24.51	28.99	34.41	41.02	45.66
	P			4.91	4.96	5.06	5.21	5.38	5.57	5.77	5.89
	Q	30°C	13.09	16.04	19.02	22.28	26.05	30.59	36.14	42.97	
	P		4.42	4.46	4.55	4.68	4.82	4.99	5.15	5.31	
	Q	25°C	15.79	18.44	21.19	24.29	27.98	32.52	38.15		
	P		4.06	4.15	4.27	4.41	4.56	4.7	4.83		
WR108KR-TFD-NN1	Q	58°C						26.55	31.22		
	P							9.8	10.04		
	Q	55°C					23.44	27.66	32.63	38.64	
	P						9.07	9.22	9.47	9.8	
	Q	50°C				20.67	24.71	29.3	34.72	41.27	45.85
	P					8.06	8.15	8.33	8.59	8.91	9.13
	Q	45°C				21.67	25.92	30.8	36.59	43.61	48.52
	P					7.22	7.35	7.54	7.8	8.1	8.3
	Q	40°C			18.87	22.82	27.19	32.28	38.39	45.79	50.99
	P				6.42	6.51	6.66	6.86	7.1	7.38	7.55
	Q	35°C		16.64	20.32	24.23	28.66	33.89	40.23	47.96	53.39
	P			5.74	5.8	5.92	6.09	6.29	6.51	6.75	6.89
	Q	30°C	15.3	18.76	22.24	26.05	30.46	35.76	42.26	50.24	
	P		5.17	5.22	5.32	5.47	5.64	5.83	6.03	6.21	
	Q	25°C	18.46	21.56	24.78	28.4	32.72	38.03	44.61		
	P		4.75	4.86	4.99	5.16	5.33	5.5	5.65		
WR120KR-TFD-NN1	Q	58°C						27.59	32.21		
	P							9.8	10.04		
	Q	55°C					23.44	27.66	32.63	38.64	
	P						9.07	9.22	9.47	9.8	
	Q	50°C				20.67	24.71	29.3	34.72	41.27	45.85
	P					8.06	8.15	8.33	8.59	8.91	9.13
	Q	45°C				21.67	25.92	30.8	36.59	43.61	48.52
	P					7.22	7.35	7.54	7.8	8.1	8.3
	Q	40°C			18.87	22.82	27.19	32.28	38.39	45.79	50.99
	P				6.42	6.51	6.66	6.86	7.1	7.38	7.55
	Q	35°C		16.64	20.32	24.23	28.66	33.89	40.23	47.96	53.39
	P			5.74	5.8	5.92	6.09	6.29	6.51	6.75	6.89
	Q	30°C	15.3	18.76	22.24	26.05	30.46	35.76	42.26	50.24	
	P		5.17	5.22	5.32	5.47	5.64	5.83	6.03	6.21	
	Q	25°C	18.46	21.56	24.78	28.4	32.72	38.03	44.61		
	P		4.75	4.86	4.99	5.16	5.33	5.5	5.65		

注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
 Note: The above data are based on 11.1k supheating and 8.3k subcooling.

型号Model	项目Item (kW)	Tc\Te	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	18°C
WR94KR-TFD-NN1	Q	58°C						22.71	26.7		
	P							8.38	8.58		
	Q	55°C					20.04	23.66	27.91	33.04	
	P						7.75	7.88	8.1	8.38	
	Q	50°C				17.68	21.13	25.06	29.69	35.29	39.22
	P					6.9	6.97	7.12	7.34	7.62	7.81
	Q	45°C				18.54	22.17	26.34	31.3	37.3	41.5
	P					6.18	6.28	6.45	6.67	6.93	7.1
	Q	40°C			16.14	19.51	23.25	27.61	32.83	39.17	43.6
	P				5.49	5.56	5.69	5.87	6.08	6.31	6.46
	Q	35°C		14.23	17.38	20.72	24.51	28.99	34.41	41.02	45.66
	P			4.91	4.96	5.06	5.21	5.38	5.57	5.77	5.89
	Q	30°C	13.09	16.04	19.02	22.28	26.05	30.59	36.14	42.97	
	P		4.42	4.46	4.55	4.68	4.82	4.99	5.15	5.31	
	Q	25°C	15.79	18.44	21.19	24.29	27.98	32.52	38.15		
	P		4.06	4.15	4.27	4.41	4.56	4.7	4.83		
WR108KR-TFD-NN1	Q	58°C						26.55	31.22		
	P							9.8	10.04		
	Q	55°C					23.44	27.66	32.63	38.64	
	P						9.07	9.22	9.47	9.8	
	Q	50°C				20.67	24.71	29.3	34.72	41.27	45.85
	P					8.06	8.15	8.33	8.59	8.91	9.13
	Q	45°C				21.67	25.92	30.8	36.59	43.61	48.52
	P					7.22	7.35	7.54	7.8	8.1	8.3
	Q	40°C			18.87	22.82	27.19	32.28	38.39	45.79	50.99
	P				6.42	6.51	6.66	6.86	7.1	7.38	7.55
	Q	35°C		16.64	20.32	24.23	28.66	33.89	40.23	47.96	53.39
	P			5.74	5.8	5.92	6.09	6.29	6.51	6.75	6.89
	Q	30°C	15.3	18.76	22.24	26.05	30.46	35.76	42.26	50.24	
	P		5.17	5.22	5.32	5.47	5.64	5.83	6.03	6.21	
	Q	25°C	18.46	21.56	24.78	28.4	32.72	38.03	44.61		
	P		4.75	4.86	4.99	5.16	5.33	5.5	5.65		
WR120KR-TFD-NN1	Q	58°C						27.59	32.21		
	P							9.8	10.04		
	Q	55°C					23.44	27.66	32.63	38.64	
	P						9.07	9.22	9.47	9.8	
	Q	50°C				20.67	24.71	29.3	34.72	41.27	45.85
	P					8.06	8.15	8.33	8.59	8.91	9.13
	Q	45°C				21.67	25.92	30.8	36.59	43.61	48.52
	P					7.22	7.35	7.54	7.8	8.1	8.3
	Q	40°C			18.87	22.82	27.19	32.28	38.39	45.79	50.99
	P				6.42	6.51	6.66	6.86	7.1	7.38	7.

型号Model	项目Item (kW)	Tc\Te	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	18°C
WR144KR-TFD-NN1	Q	58°C						32.24	37.75		
	P	58°C						11.42	11.52		
	Q	55°C					28.29	33.25	38.94	45.44	
	P	55°C					10.76	10.8	10.92	11.12	
	Q	50°C				25.09	29.64	34.86	40.84	47.67	52.22
	P	50°C				9.74	9.74	9.82	9.98	10.18	10.33
	Q	45°C				26.16	30.94	36.41	42.68	49.83	54.59
	P	45°C				8.76	8.81	8.93	9.1	9.31	9.44
	Q	40°C			22.84	27.19	32.19	37.91	44.46	51.93	56.89
	P	40°C			7.84	7.87	7.96	8.1	8.28	8.48	8.61
	Q	35°C		19.71	23.66	28.2	33.41	39.38	46.21	53.98	59.15
	P	35°C		7	7.01	7.08	7.2	7.36	7.54	7.72	7.82
	Q	30°C	16.81	20.38	24.48	29.19	34.61	40.82	47.92	56	
	P	30°C	6.22	6.22	6.29	6.39	6.54	6.7	6.86	7.01	
	Q	25°C	17.38	21.06	25.3	30.18	35.8	42.25	49.62		
	P	25°C	5.51	5.57	5.67	5.81	5.96	6.11	6.25		
	Q	20°C	17.99	21.77	26.14	31.19	37.01	43.69			
	P	20°C			5.17	5.33	5.48	5.61			
Q	15°C	18.63	22.51	27.01	32.22	38.23					
P	15°C		4.63	4.79	4.95	5.08					
Q	12°C	19.05	22.99	27.56	32.86	38.99					
P	12°C		4.29	4.45	4.62	4.77	4.89				
WR154KR-TFD-NN1	Q	58°C						36.33	42.54		
	P	58°C						12.86	12.98		
	Q	55°C					31.88	37.46	43.87	51.2	
	P	55°C					12.12	12.17	12.31	12.53	
	Q	50°C				28.27	33.4	39.28	46.02	53.72	58.84
	P	50°C				10.97	10.97	11.07	11.24	11.48	11.64
	Q	45°C				29.48	34.86	41.03	48.09	56.15	61.51
	P	45°C				9.87	9.92	10.06	10.25	10.49	10.64
	Q	40°C			25.74	30.64	36.27	42.72	50.1	58.51	64.1
	P	40°C			8.84	8.87	8.97	9.13	9.33	9.56	9.7
	Q	35°C		22.21	26.67	31.77	37.64	44.37	52.06	60.83	66.64
	P	35°C		7.89	7.9	7.98	8.12	8.29	8.49	8.69	8.81
	Q	30°C	18.94	22.97	27.58	32.89	38.99	45.99	54	63.1	
	P	30°C		7.01	7.08	7.21	7.37	7.55	7.73	7.9	
	Q	25°C	19.59	23.74	28.51	34.01	40.34	47.61	55.91		
	P	25°C		6.21	6.27	6.39	6.55	6.72	6.89	7.04	
	Q	20°C	20.27	24.53	29.45	35.14	41.7	49.22			
	P	20°C			5.83	6	6.17	6.32			
Q	15°C	21	25.37	30.44	36.31	43.08					
P	15°C		5.22	5.4	5.57	5.73					
Q	12°C	21.46	25.9	31.05	37.03	43.93					
P	12°C		4.83	5.01	5.2	5.37	5.52				
WR190KR-TWD-NN1	Q	58°C						42.45	49.7		
	P	58°C						15.03	15.17		
	Q	55°C					37.25	43.77	51.26	59.82	
	P	55°C					14.16	14.21	14.38	14.64	
	Q	50°C				33.04	39.03	45.9	53.77	62.76	68.75
	P	50°C				12.82	12.82	12.93	13.14	13.41	13.6
	Q	45°C				34.45	40.73	47.94	56.19	65.61	71.86
	P	45°C				11.53	11.59	11.75	11.98	12.25	12.43
	Q	40°C			30.07	35.8	42.38	49.91	58.54	68.37	74.9
	P	40°C			10.33	10.36	10.48	10.67	10.91	11.17	11.33
	Q	35°C		25.95	31.16	37.12	43.98	51.84	60.83	71.07	77.87
	P	35°C		9.21	9.23	9.32	9.49	9.69	9.92	10.16	10.29
	Q	30°C	22.13	26.84	32.23	38.43	45.56	53.74	63.09	73.73	
	P	30°C		8.19	8.19	8.27	8.42	8.61	8.82	9.03	9.23
	Q	25°C	22.88	27.73	33.31	39.74	47.13	55.62	65.33		
	P	25°C		7.25	7.33	7.47	7.65	7.85	8.05	8.23	
	Q	20°C	23.68	28.66	34.41	41.06	48.72	57.51			
	P	20°C			6.81	7.01	7.21	7.39			
Q	15°C	24.53	29.64	35.56	42.42	50.34					
P	15°C		6.1	6.31	6.51	6.69					
Q	12°C	25.08	30.26	36.28	43.26	51.33					
P	12°C		5.64	5.86	6.08	6.28	6.44				

注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
 Note: The above data are based on 11.1k supheating and 8.3k subcooling.

型号Model	项目Item (kW)	Tc\Te	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	18°C
WR235KR-TWD-NN1	Q	58°C						58.3	68.26		
	P	58°C						20.98	21.17		
	Q	55°C					51.16	60.12	70.4	82.17	
	P	55°C					19.77	19.84	20.07	20.43	
	Q	50°C				45.37	53.6	63.04	73.85	86.2	94.42
	P	50°C				17.89	17.89	18.05	18.33	18.71	18.98
	Q	45°C				47.31	55.94	65.84	77.18	90.11	98.7
	P	45°C				16.09	16.18	16.4	16.72	17.1	17.35
	Q	40°C			41.3	49.17	58.2	68.56	80.4	93.9	102.87
	P	40°C			14.41	14.46	14.63	14.89	15.22	15.59	15.81
	Q	35°C		35.64	42.79	50.99	60.4	71.2	83.55	97.61	106.95
	P	35°C		12.86	12.88	13.01	13.24	13.53	13.85	14.18	14.37
	Q	30°C	30.39	36.86	44.26	52.78	62.57	73.81	86.65	101.27	
	P	30°C		11.44	11.43	11.55	11.75	12.01	12.3	12.6	12.88
	Q	25°C	31.43	38.09	45.75	54.57	64.73	76.4	89.72		
	P	25°C		10.12	10.23	10.42	10.67	10.95	11.23	11.48	
	Q	20°C	32.52	39.37	47.27	56.39	66.91	78.99			
	P	20°C			9.51	9.79	10.06	10.31			
Q	15°C	33.7	40.71	48.85	58.26	69.13					
P	15°C		8.51	8.8	9.09	9.34					
Q	12°C	34.45	41.56	49.83	59.42	70.5					
P	12°C		7.88	8.18	8.48	8.76	8.99				
WR292KR-TWD-NN1	Q	58°C						69.65	81.54		
	P	58°C						25.06	25.28		
	Q	55°C					61.11	71.82	84.1	98.15	
	P	55°C					23.61	23.7	23.97	24.4	
	Q	50°C				54.2	64.03	75.3	88.22	102.97	112.79
	P	50°C				21.37	21.38	21.56	21.9	22.35	22.67
	Q	45°C				56.51	66.83	78.65	92.19	107.64	117.9
	P	45°C				19.22	19.33	19.59	19.97	20.43	20.73
	Q	40°C			49.34	58.74	69.53	81.89	96.04	112.17	122.88
	P	40°C			17.21	17.27	17.47	17.79	18.18	18.62	18.89
	Q	35°C		42.58	51.12	60.91	72.16	85.05	99.8	116.6	127.75
	P	35°C		15.36	15.38	15.54	15.81	16.16	16.54	16.94	17.16
	Q	30°C	36.3	44.03	52.88	63.05	74.75	88.17	103.51	120.97	
	P	30°C		13.66	13.66	13.79	14.04	14.35	14.7	15.05	15.38
	Q	25°C	37.55	45.5	54.65	65.19	77.33	91.26	107.18		
	P	25°C		12.09	12.22	12.45	12.75	13.08	13.42	13.72	
	Q	20°C	38.85	47.02	56.46	67.37	79.93	94.36			
	P	20°C			11.36	11.69	12.02	12.31			
Q	15°C	40.25	48.63	58.35	69.6	82.58					
P	15°C		10.17	10.51	10.86	11.16					
Q	12°C	41.15	49.65	59.53	70.98	84.21					
P	12°C		9.41	9.77	10.13	10.47	10.74				

注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
 Note: The above data are based on 11.1k supheating and 8.3k subcooling.

型号Model	项目Item (kW)	Tc\Te	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C
WR28KR-TFD-NN1	Q	68°C							4.87	5.85	6.96
	P								3.07	3.07	3.09
	Q	65°C							5.21	6.23	7.38
	P								2.88	2.88	2.9
	Q	60°C						4.76	5.74	6.84	8.06
	P							2.59	2.58	2.59	2.63
	Q	55°C					4.29	5.21	6.24	7.4	8.69
	P						2.33	2.32	2.32	2.34	2.38
	Q	50°C				3.8	4.65	5.62	6.71	7.93	9.28
	P					2.09	2.08	2.08	2.09	2.12	2.17
	Q	45°C			3.31	4.09	4.98	6	7.14	8.42	9.83
	P				1.87	1.87	1.88	1.88	1.89	1.93	1.99
	Q	40°C		2.85	3.54	4.35	5.29	6.35	7.54	8.87	10.33
	P			1.57	1.68	1.68	1.69	1.7	1.72	1.77	1.84
	Q	35°C	2.43	3.04	3.76	4.6	5.57	6.67	7.91	9.28	10.8
	P		1.48	1.5	1.51	1.52	1.53	1.55	1.58	1.63	1.72
	Q	30°C	2.59	3.21	3.96	4.83	5.83	6.97	8.25	9.66	11.22
	P		1.33	1.35	1.36	1.38	1.39	1.41	1.46	1.52	1.62
Q	25°C	2.74	3.38	4.14	5.04	6.07	7.24	8.55	10	11.61	
P		1.19	1.22	1.24	1.25	1.27	1.31	1.36	1.43	1.54	
WR36KR-TFD-NN1	Q	68°C							5.89	7.08	8.41
	P								3.72	3.72	3.74
	Q	65°C							6.3	7.54	8.93
	P								3.48	3.49	3.51
	Q	60°C						5.76	6.94	8.27	9.74
	P							3.13	3.12	3.14	3.18
	Q	55°C					5.19	6.3	7.55	8.95	10.51
	P						2.81	2.81	2.81	2.83	2.88
	Q	50°C				4.59	5.62	6.79	8.12	9.59	11.22
	P					2.53	2.52	2.52	2.53	2.56	2.62
	Q	45°C			4	4.94	6.02	7.26	8.64	10.18	11.89
	P				2.27	2.27	2.27	2.27	2.29	2.33	2.41
	Q	40°C		3.45	4.29	5.27	6.4	7.68	9.12	10.73	12.5
	P			2.02	2.03	2.04	2.04	2.06	2.08	2.14	2.22
	Q	35°C	2.94	3.67	4.55	5.57	6.74	8.07	9.57	11.23	13.06
	P		1.79	1.82	1.83	1.84	1.85	1.87	1.91	1.97	2.08
	Q	30°C	3.13	3.89	4.79	5.84	7.06	8.43	9.97	11.69	13.58
	P		1.6	1.63	1.65	1.66	1.68	1.71	1.76	1.84	1.96
Q	25°C	3.31	4.09	5.01	6.1	7.34	8.76	10.34	12.1	14.04	
P		1.44	1.48	1.5	1.52	1.54	1.58	1.64	1.73	1.87	
WR48KR-TFD-NN1	Q	68°C							8.75	10.52	12.5
	P								5.52	5.52	5.55
	Q	65°C							9.36	11.21	13.27
	P								5.17	5.18	5.22
	Q	60°C						8.57	10.32	12.29	14.48
	P							4.65	4.64	4.66	4.72
	Q	55°C					7.71	9.36	11.22	13.3	15.62
	P						4.18	4.17	4.18	4.21	4.28
	Q	50°C				6.83	8.35	10.1	12.06	14.25	16.68
	P					3.76	3.75	3.75	3.76	3.81	3.9
	Q	45°C			5.95	7.35	8.95	10.78	12.84	15.13	17.66
	P				3.37	3.37	3.37	3.38	3.41	3.47	3.58
	Q	40°C		5.12	6.37	7.83	9.51	11.42	13.56	15.94	18.57
	P			3	3.02	3.03	3.04	3.05	3.1	3.18	3.31
	Q	35°C	4.37	5.46	6.76	8.27	10.02	12	14.22	16.69	19.41
	P		2.66	2.7	2.72	2.73	2.75	2.78	2.84	2.93	3.08
	Q	30°C	4.65	5.77	7.12	8.69	10.49	12.53	14.82	17.37	20.17
	P		2.38	2.43	2.45	2.47	2.5	2.54	2.62	2.74	2.91
Q	25°C	4.92	6.07	7.45	9.06	10.92	13.01	15.37	17.98	20.87	
P		2.15	2.19	2.22	2.25	2.29	2.35	2.44	2.58	2.77	

注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
Note: The above data are based on 11.1k supheating and 8.3k subcooling.

型号Model	项目Item (kW)	Tc\Te	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C
WR61KR-TFD-NN1	Q	68°C							11.65	14.01	16.65
	P								7.35	7.35	7.39
	Q	65°C							12.46	14.92	17.66
	P								6.89	6.9	6.95
	Q	60°C						11.4	13.74	16.36	19.28
	P							6.19	6.18	6.21	6.28
	Q	55°C					10.26	12.46	14.94	17.71	20.79
	P						5.56	5.55	5.56	5.6	5.7
	Q	50°C				9.09	11.12	13.44	16.05	18.97	22.2
	P					5	4.99	4.99	5.01	5.07	5.19
	Q	45°C			7.92	9.78	11.92	14.35	17.09	20.14	23.51
	P				4.48	4.48	4.48	4.49	4.53	4.62	4.76
	Q	40°C		6.82	8.48	10.42	12.66	15.2	18.05	21.22	24.73
	P			4	4.02	4.03	4.04	4.07	4.12	4.23	4.4
	Q	35°C	5.82	7.27	8.99	11.02	13.34	15.97	18.93	22.22	25.84
	P		3.53	3.59	3.62	3.64	3.66	3.7	3.78	3.91	4.11
	Q	30°C	6.19	7.69	9.47	11.56	13.96	16.68	19.73	23.12	26.86
	P		3.17	3.23	3.27	3.29	3.33	3.39	3.49	3.64	3.87
Q	25°C	6.55	8.08	9.92	12.06	14.53	17.33	20.46	23.94	27.78	
P		2.86	2.92	2.96	3	3.05	3.12	3.25	3.43	3.69	
WR72KR-TFD-NN1	Q	68°C							12.23	14.71	17.48
	P								7.72	7.72	7.76
	Q	65°C							13.08	15.66	18.55
	P								7.23	7.24	7.3
	Q	60°C						11.97	14.43	17.18	20.24
	P							6.5	6.49	6.52	6.6
	Q	55°C					10.78	13.08	15.69	18.6	21.83
	P						5.84	5.83	5.84	5.88	5.98
	Q	50°C				9.54	11.68	14.11	16.86	19.92	23.32
	P					5.25	5.24	5.24	5.26	5.33	5.45
	Q	45°C			8.32	10.27	12.52	15.07	17.95	21.15	24.69
	P				4.71	4.71	4.71	4.72	4.76	4.85	5
	Q	40°C		7.16	8.9	10.94	13.29	15.96	18.95	22.29	25.97
	P			4.2	4.22	4.23	4.24	4.27	4.33	4.44	4.62
	Q	35°C	6.11	7.63	9.44	11.57	14.01	16.77	19.88	23.33	27.14
	P		3.71	3.77	3.8	3.82	3.84	3.88	3.96	4.1	4.31
	Q	30°C	6.5	8.07	9.95	12.14	14.66	17.52	20.72	24.28	28.2
	P		3.33	3.39	3.43	3.46	3.49	3.56	3.66	3.82	4.06
Q	25°C	6.87	8.49	10.41	12.67	15.26	18.19	21.48	25.14	29.17	
P		3	3.07	3.11	3.15	3.2	3.28	3.41	3.6	3.88	
WR81KR-TFD-NN1	Q	68°C							14.08	16.92	20.11
	P								8.88	8.88	8.93
	Q	65°C							15.05	18.02	21.34
	P								8.32	8.33	8.4
	Q	60°C						13.78	16.6	19.77	23.29
	P							7.48	7.47	7.5	7.59
	Q	55°C					12.4	15.05	18.05	21.4	25.12
	P						6.72	6.71	6.71	6.77	6.88
	Q	50°C				10.98	13.44	16.24	19.4	22.92	26.82
	P					6.04	6.03	6.03	6.05	6.13	6.27
	Q	45°C			9.57	11.81	14.4	17.34	20.65	24.33	28.41
	P				5.42	5.42	5.42	5.43	5.48	5.58	5.75
	Q	40°C		8.24	10.24	12.59	15.29	18.36	21.81	25.64	29.87
	P			4.83	4.86	4.87	4.88	4.91	4.98	5.11	5.32
	Q	35°C	7.03	8.78	10.87	13.31	16.12	19.3	22.87	26.84	31.22
	P		4.27	4.34	4.37	4.39	4.42	4.47	4.56	4.72	4.96
	Q	30°C	7.48	9.29	11.45	13.97	16.87	20.16	23.84	27.93	32.45
	P		3.84	3.91	3.95	3.98	4.02	4.09	4.21	4.4	4.68
Q	25°C	7.91	9.76	11.98	14.58	17.56	20.93	24.72	28.92	33.56	
P		3.45	3.53	3.58	3.62	3.68	3.78	3.92	4.14	4.46	

注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
Note: The above data are based on 11.1k supheating and 8.3k subcooling.

型号Model	项目Item (kW)	Tc\Te	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C					
WR94KR-TFD-NN1	Q	68°C							16.37	19.68	23.39					
	P							10.33	10.33	10.39						
	Q	65°C							17.51	20.96	24.82					
	P							9.68	9.69	9.77						
	Q	60°C							16.02	19.31	22.99					
	P							8.7	8.69	8.72	8.83					
	Q	55°C							14.42	17.51	20.99					
	P								7.82	7.8	7.81	8.01				
	Q	50°C							12.77	15.63	18.89					
	P								7.03	7.01	7.01	7.04	7.13	7.3		
	Q	45°C								11.13	13.74	16.75				
	P									6.3	6.3	6.32	6.49	6.69		
Q	40°C								9.58	11.91	14.65					
P									5.62	5.65	5.67	5.68	5.71	5.79	5.94	6.19
Q	35°C								8.18	10.21	12.64					
P									4.97	5.05	5.09	5.11	5.14	5.2	5.31	5.49
Q	30°C								8.7	10.8	13.31					
P									4.46	4.54	4.59	4.63	4.68	4.76	4.9	5.12
Q	25°C								9.2	11.36	13.94					
P									4.02	4.1	4.16	4.21	4.28	4.39	4.56	4.82
WR108KR-TFD-NN1	Q	68°C							18.03	21.68	25.76					
	P							11.38	11.38	11.44						
	Q	65°C							19.28	23.09	27.34					
	P								10.66	10.67	10.76					
	Q	60°C							17.65	21.26	25.32					
	P								9.58	9.57	9.61	9.72				
	Q	55°C							15.88	19.28	23.12					
	P								8.61	8.59	8.6	8.67	8.82			
	Q	50°C							14.06	17.21	20.8					
	P								7.74	7.72	7.72	7.75	7.85	8.04		
	Q	45°C								12.26	15.13	18.45				
	P									6.94	6.94	6.96	7.02	7.15	7.37	
Q	40°C								10.55	13.12	16.13					
P									6.19	6.23	6.24	6.25	6.29	6.38	6.55	6.81
Q	35°C								9.01	11.25	13.92					
P									5.47	5.56	5.6	5.63	5.66	5.72	5.84	6.05
Q	30°C								9.58	11.9	14.66					
P									4.91	5	5.06	5.1	5.15	5.24	5.39	5.64
Q	25°C								10.13	12.51	15.35					
P									4.42	4.52	4.58	4.64	4.72	4.84	5.03	5.31
WR120KR-TFD-NN1	Q	68°C							19.69	23.67	28.13					
	P							12.42	12.43	12.5						
	Q	65°C							21.06	25.21	29.85					
	P								11.64	11.66	11.75					
	Q	60°C							19.27	23.22	27.65					
	P								10.46	10.45	10.49	10.62				
	Q	55°C							17.35	21.05	25.25					
	P								9.4	9.38	9.39	9.47	9.63			
	Q	50°C							15.36	18.8	22.72					
	P								8.45	8.43	8.43	8.47	8.57	8.78		
	Q	45°C								13.39	16.53	20.15				
	P									7.58	7.58	7.58	7.6	7.66	7.8	8.05
Q	40°C								11.52	14.33	17.61					
P									6.76	6.8	6.81	6.83	6.87	6.97	7.15	7.44
Q	35°C								9.84	12.28	15.2					
P									5.97	6.07	6.12	6.15	6.18	6.25	6.38	6.6
Q	30°C								10.46	12.99	16.01					
P									5.37	5.46	5.52	5.57	5.62	5.72	5.89	6.15
Q	25°C								11.06	13.66	16.76					
P									4.83	4.93	5	5.07	5.15	5.28	5.49	5.8

注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
Note: The above data are based on 11.1k supheating and 8.3k subcooling.

型号Model	项目Item (kW)	Tc\Te	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C					
WR144KR-TFD-NN1	Q	68°C							23.16	27.84	33.08					
	P							14.61	14.61	14.7						
	Q	65°C							24.76	29.65	35.11					
	P							13.69	13.71	13.82						
	Q	60°C							22.66	27.31	32.52					
	P							12.3	12.29	12.34	12.49					
	Q	55°C							20.4	24.76	29.69					
	P								11.06	11.03	11.05	11.13	11.33			
	Q	50°C							18.06	22.1	26.71					
	P								9.94	9.92	9.91	9.96	10.08	10.32		
	Q	45°C								15.75	19.43	23.69				
	P									8.91	8.91	8.91	8.93	9.01	9.18	9.47
Q	40°C								13.55	16.85	20.71					
P									7.95	8	8.01	8.03	8.08	8.2	8.41	8.75
Q	35°C								11.57	14.44	17.88					
P									7.03	7.14	7.19	7.23	7.27	7.35	7.5	7.76
Q	30°C								12.3	15.28	18.83					
P									6.31	6.43	6.49	6.54	6.61	6.73	6.93	7.24
Q	25°C								13.01	16.06	19.71					
P									5.68	5.8	5.88	5.96	6.06	6.21	6.45	6.82
WR154KR-TFD-NN1	Q	68°C							26.09	31.37	37.28					
	P							16.46	16.46	16.56						
	Q	65°C							27.9	33.41	39.56					
	P								15.42	15.45	15.57					
	Q	60°C							25.54	30.77	36.64					
	P								13.86	13.84	13.9	14.07				
	Q	55°C							22.98	27.9	33.45					
	P								12.46	12.43	12.45	12.54	12.76			
	Q	50°C							20.35	24.91	30.1					
	P								11.2	11.17	11.17	11.22	11.36	11.63		
	Q	45°C								17.74	21.9	26.69				
	P									10.04	10.04	10.04	10.06	10.15	10.34	10.66
Q	40°C								15.27	18.98	23.34					
P									8.95	9.01	9.03	9.05	9.1	9.23	9.47	9.86
Q	35°C								13.03	16.27	20.14					
P									7.92	8.04	8.11	8.14	8.19	8.28	8.46	8.75
Q	30°C								13.86	17.21	21.22					
P									7.11	7.24	7.32	7.37	7.45	7.58	7.8	8.15
Q	25°C								14.66	18.1	22.21					
P									6.4	6.54	6.63	6.71	6.82	7	7.27	7.68
WR190KR-TWD-NN1	Q	68°C							30.48	36.65	43.55					
	P							19.23	19.24	19.35						
	Q	65°C							32.6	39.03	46.22					
	P								18.02	18.05	18.19					
	Q	60°C							29.84	35.95	42.81					
	P								16.19	16.18	16.24	16.44				
	Q	55°C							26.85	32.6	39.08					
	P								14.56	14.52	14.54	14.66	14.91			
	Q	50°C							23.78	29.1	35.17					
	P								13.08	13.06	13.05	13.11	13.27	13.59		
	Q	45°C								20.73	25.59	31.19				
	P									11.73	11.74	11.73	11.76	11.86	12.08	12.46
Q	40°C								17.84	22.18	27.27					
P									10.46	10.53	10.55	10.57	10.64	10.79	11.07	11.52
Q	35°C								15.23	19.01	23.53					
P									9.25	9.4	9.47	9.51	9.57	9.68	9.88	10.22
Q	30°C								16.2	20.11	24.79					
P									8.31	8.46	8.55	8.62	8.71	8.86	9.12	9.53
Q	25°C								17.13	21.15	25.95					
P									7.48	7.64	7.75	7.84	7.97	8.18	8.5	8.98

注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
Note: The above data are based on 11.1k supheating and 8.3k subcooling.

型号Model	项目Item (kW)	Tc\Te	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C
WR235KR-TWD-NN1	Q	68°C							40.11	48.23	57.31
	P								25.31	25.31	25.46
	Q	65°C							42.89	51.36	60.81
	P								23.71	23.74	23.93
	Q	60°C						39.26	47.3	56.33	66.37
	P							21.31	21.28	21.37	21.63
	Q	55°C					35.34	42.89	51.43	60.98	71.58
	P						19.16	19.11	19.14	19.29	19.62
	Q	50°C				31.29	38.29	46.27	55.27	65.32	76.44
	P					17.21	17.18	17.17	17.25	17.47	17.88
	Q	45°C			27.28	33.67	41.04	49.42	58.84	69.35	80.96
	P				15.43	15.44	15.44	15.47	15.61	15.9	16.4
	Q	40°C		23.47	29.19	35.88	43.58	52.33	62.14	73.07	85.13
	P			13.77	13.85	13.88	13.91	14	14.2	14.56	15.15
	Q	35°C	20.04	25.01	30.97	37.93	45.93	55	65.17	76.49	88.97
	P		12.17	12.36	12.46	12.52	12.59	12.73	13	13.45	14.14
	Q	30°C	21.31	26.46	32.62	39.81	48.07	57.44	67.94	79.6	92.47
	P		10.93	11.13	11.25	11.34	11.45	11.66	12	12.54	13.32
Q	25°C	22.54	27.82	34.15	41.54	50.03	59.65	70.44	82.42	95.63	
P		9.84	10.05	10.19	10.32	10.49	10.76	11.18	11.81	12.71	
WR292KR-TWD-NN1	Q	68°C							47.92	57.61	68.46
	P								30.23	30.23	30.41
	Q	65°C							51.24	61.35	72.65
	P								28.32	28.36	28.59
	Q	60°C						46.9	56.5	67.29	79.29
	P							25.45	25.43	25.53	25.84
	Q	55°C					42.21	51.23	61.43	72.84	85.51
	P						22.88	22.83	22.86	23.04	23.44
	Q	50°C				37.37	45.74	55.28	66.03	78.03	91.31
	P					20.56	20.52	20.51	20.6	20.86	21.36
	Q	45°C			32.58	40.22	49.02	59.03	70.29	82.84	96.71
	P				18.44	18.44	18.44	18.48	18.64	18.99	19.59
	Q	40°C		28.04	34.86	42.86	52.06	62.51	74.23	87.28	101.69
	P			16.45	16.55	16.58	16.62	16.72	16.96	17.4	18.1
	Q	35°C	23.94	29.88	36.99	45.3	54.86	65.7	77.85	91.37	106.28
	P		14.54	14.77	14.89	14.95	15.04	15.21	15.53	16.07	16.89
	Q	30°C	25.46	31.61	38.96	47.56	57.43	68.61	81.15	95.09	110.46
	P		13.06	13.3	13.43	13.54	13.68	13.92	14.33	14.98	15.92
Q	25°C	26.92	33.24	40.79	49.62	59.76	71.26	84.14	98.46	114.24	
P		11.76	12.01	12.17	12.33	12.53	12.85	13.36	14.11	15.18	

注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
 Note: The above data are based on 11.1k supheating and 8.3k subcooling.



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