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Rev:202603

## WW系列热泵烘干应用涡旋压缩机

R454C/R455A/R454B/R32

WR Series Scroll Compressor for Heat Pump & Stoving 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

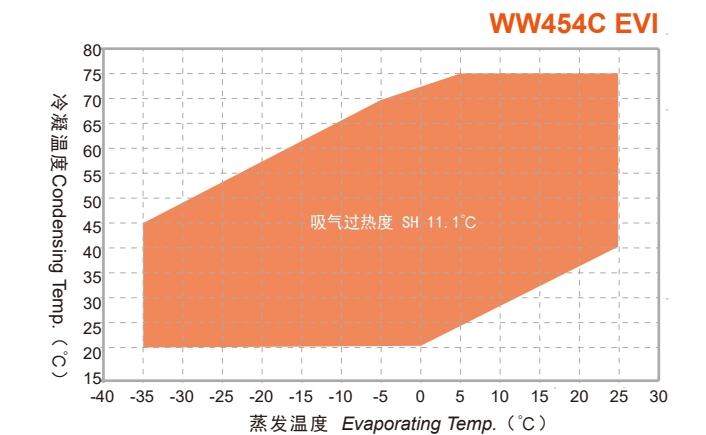
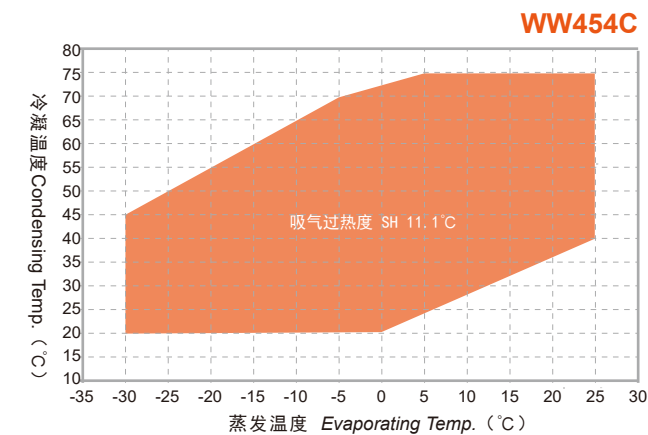
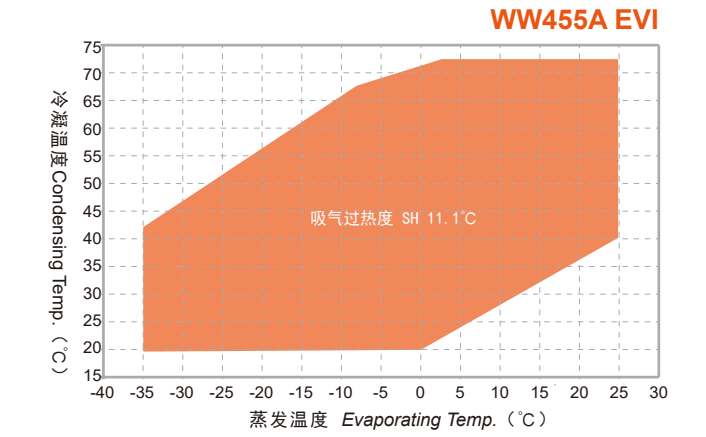
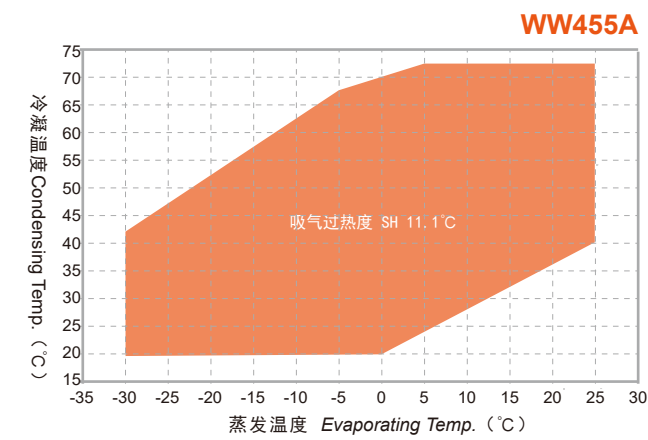
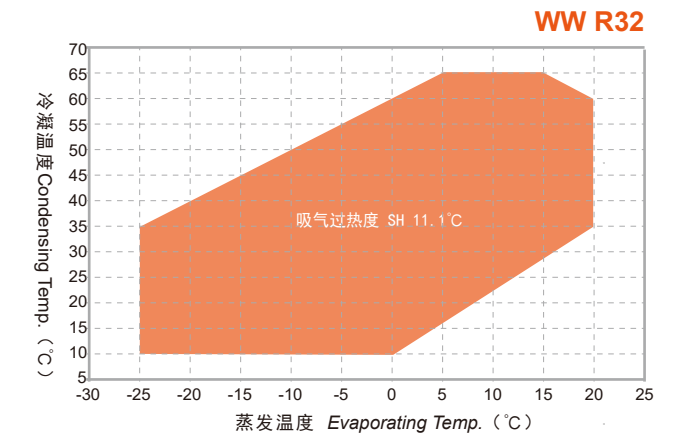
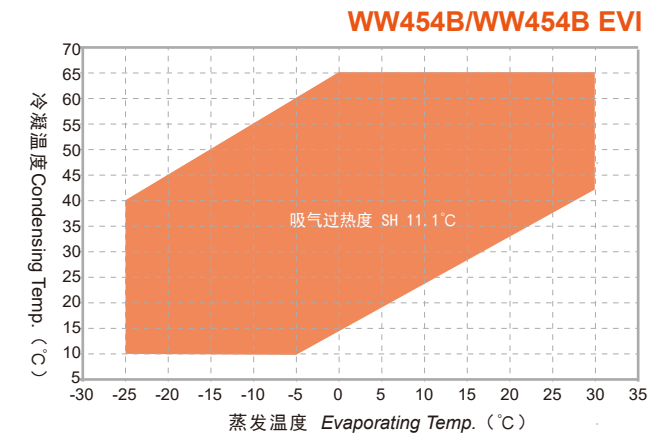
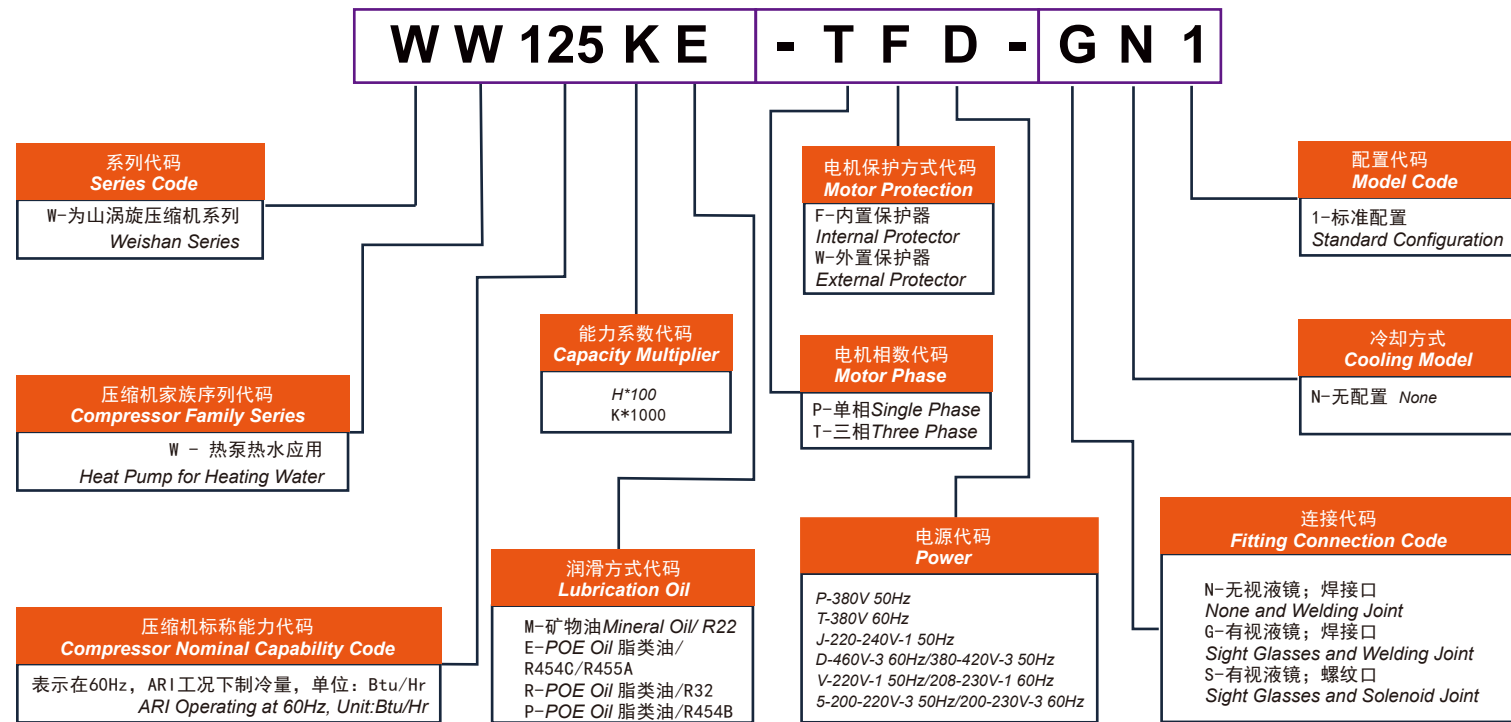
was established in June 2018, and focuses on the development of energy-saving and environment protection compressors. It is an innovative technology enterprise. The core technology of the scroll heat pump compressors developed by Weishans has made significant breakthroughs and has been successfully applied 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



型号 Model	WW28KE-TFD-GN1	WW34KE-TFD-GN1	WW48KE-TFD-GN1	WW61KE-TFD-GN1	WW72KE-TFD-GN1	WW79KE-TFD-GN1	WW94KE-TFD-GN1	
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	R454C							
名义制热量 Nominal Capacity (W)	7361	10013	13097	16849	19564	21268	25009	
名义输入功率 Nominal Power (W)	1900	2584	3359	4244	5044	5512	6482	
名义工况能效比 COP (W/W)	3.87	3.88	3.9	3.97	3.88	3.86	3.86	
名义工况电流 Nominal Operating Current (A)	3.4	4.6	5.9	7.5	8.9	9.7	11.5	
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)	5.4	7.3	9.4	12.0	14.3	15.6	18.4	
曲轴箱加热器功率 Crankcase Heater (W)	70						90	
接管尺寸 Fitting ID Size (mm)	排气管 Dis. Tube	12.94-13.10					22.37-22.51	
	吸气管 Suc. Tube	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	
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5.0°C, 冷凝55.0°C, 过热11.1K, 过冷8.3K, 环温35.0°C  
Note: Evaporating Temperature 5.0°C, Condensing Temperating 55.0°C, Superheating 11.1K, Subcooling 8.3K, Ambient Temperating 35.0°C

型号 Model	WW108KE-TFD-GN1	WW125KE-TFD-GN1	WW138KE-TFD-GN1	WW154KE-TFD-GN1	WW170KE-TFD-GN1	WW250KE-TWD-GN1	WW300KE-TWD-GN1
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)	147.7	166.1	190.8	209	248.9	325	400
制冷剂 Refrigerant	R454C						
名义制热量 Nominal Capacity (W)	29086	32709	37573	41157	49014	64000	78769
名义输入功率 Nominal Power (W)	7538	8477	9738	10667	12703	16587	20415
名义工况能效比 COP (W/W)	3.86	3.86	3.86	3.86	3.86	3.86	3.86
名义工况电流 Nominal Operating Current (A)	13.3	15.0	17.2	18.9	22.4	29.3	36.1
堵转电流 LRA (A)	117	117	117	117	117	267.9	304
最大运行电流 MOC (A)	21.3	24.0	27.6	30.2	36.0	47.0	57.8
曲轴箱加热器功率 Crankcase Heater (W)	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	3	3	3.2	3.2	5	5
润滑油重新充注量 Lubrication Oil Recharge (L)	2.8	2.8	2.8	3	3	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5.0°C, 冷凝55.0°C, 过热11.1K, 过冷8.3K, 环温35.0°C  
Note: Evaporating Temperature 5.0°C, Condensing Temperating 55.0°C, Superheating 11.1K, Subcooling 8.3K, Ambient Temperating 35.0°C

型号 Model	WW28KE-TFD-GN1	WW34KE-TFD-GN1	WW48KE-TFD-GN1	WW61KE-TFD-GN1	WW72KE-TFD-GN1	WW79KE-TFD-GN1	WW94KE-TFD-GN1	
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	R455A							
名义制热量 Nominal Capacity (W)	7796	10604	13878	17858	20719	22509	26469	
名义输入功率 Nominal Power (W)	1972	2682	3495	4414	5247	5734	6743	
名义工况能效比 COP (W/W)	3.95	3.95	3.97	4.05	3.95	3.93	3.93	
名义工况电流 Nominal Operating Current (A)	3.5	4.7	6.2	7.8	9.3	10.1	11.9	
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)	5.4	7.3	9.4	12.0	14.3	15.6	18.4	
曲轴箱加热器功率 Crankcase Heater (W)	70						90	
接管尺寸 Fitting ID Size (mm)	排气管 Dis. Tube	12.94-13.10					22.37-22.51	
	吸气管 Suc. Tube	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	
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5.0°C, 冷凝55.0°C, 过热11.1K, 过冷8.3K, 环温35.0°C  
Note: Evaporating Temperature 5.0°C, Condensing Temperature 55.0°C, Superheating 11.1K, Subcooling 8.3K, Ambient Temperature 35.0°C

型号 Model	WW108KE-TFD-GN1	WW125KE-TFD-GN1	WW138KE-TFD-GN1	WW154KE-TFD-GN1	WW170KE-TFD-GN1	WW250KE-TWD-GN1	WW300KE-TWD-GN1
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)	147.7	166.1	190.8	209	248.9	325	400
制冷剂 Refrigerant	R455A						
名义制热量 Nominal Capacity (W)	30783	34618	39766	43559	51875	67735	83367
名义输入功率 Nominal Power (W)	7842	8819	10131	11097	13216	17256	21238
名义工况能效比 COP (W/W)	3.93	3.93	3.93	3.93	3.93	3.93	3.93
名义工况电流 Nominal Operating Current (A)	13.9	15.6	17.9	19.6	23.4	30.5	37.5
堵转电流 LRA (A)	117	117	117	117	117	267.9	304
最大运行电流 MOC (A)	21.3	24.0	27.6	30.2	36.0	47.0	57.8
曲轴箱加热器功率 Crankcase Heater (W)	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	3	3	3.2	3.2	5	5
润滑油重新充注量 Lubrication Oil Recharge (L)	2.8	2.8	2.8	3	3	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5.0°C, 冷凝55.0°C, 过热11.1K, 过冷8.3K, 环温35.0°C  
Note: Evaporating Temperature 5.0°C, Condensing Temperature 55.0°C, Superheating 11.1K, Subcooling 8.3K, Ambient Temperature 35.0°C

型号 Model	WW28KP-TFD-GN1	WW34KP-TFD-GN1	WW48KP-TFD-GN1	WW61KP-TFD-GN1	WW72KP-TFD-GN1	WW81KP-TFD-GN1	WW94KP-TFD-GN1
电机 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)	8149	9858	14563	19628	20611	24270	28231
名义输入功率 Nominal Power (W)	2206	2669	3896	5048	5300	6399	7444
名义工况能效比 COP (W/W)	3.69	3.69	3.74	3.89	3.89	3.79	3.79
名义工况电流 Nominal Operating Current (A)	3.9	4.7	6.9	8.9	9.4	11.3	13.2
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)	6.3	8.5	11.3	15.1	15.8	18.2	21.2
曲轴箱加热器功率 Crankcase Heater (W)	70						
接管尺寸 Fitting ID Size (mm)	排气管 Dis. Tube	12.94-13.10					
	吸气管 Suc. Tube	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 Maximum 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5.0°C, 冷凝55.0°C, 过热11.1K, 过冷8.3K, 环温35.0°C  
Note: Evaporating Temperature 5.0°C, Condensing Temperature 55.0°C, Superheating 11.1K, Subcooling 8.3K, Ambient Temperature 35.0°C

型号 Model	WW108KP-TFD-GN1	WW120KP-TFD-GN1	WW144KP-TFD-GN1	WW154KP-TFD-GN1	WW170KP-TFD-GN1	WW235KP-TWD-GN1	WW292KP-TWD-GN1
电机 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	124.1	143.1	167.8	212.7	262.8
制冷剂 Refrigerant	R454B						
名义制冷量 Nominal Capacity (W)	31092	33953	39014	44988	52753	66868	82619
名义输入功率 Nominal Power (W)	8198	8953	10287	11862	13910	17632	21785
名义工况能效比 COP (W/W)	3.79	3.79	3.79	3.79	3.79	3.79	3.79
名义工况电流 Nominal Operating Current (A)	14.5	15.8	18.2	21	24.6	31.2	38.5
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)	23.3	26.4	29.3	33.7	39.6	50.2	62.0
曲轴箱加热器功率 Crankcase Heater (W)	70		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	3	3	5	5
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 Maximum Operating Pressure (MPa)	高压侧 High Pressure Side	4.3					
	低压侧 Low Pressure Side	2.0					
重量 Weight (kg)	43	43	66	66	66	92	92

注: 蒸发5.0°C, 冷凝55.0°C, 过热11.1K, 过冷8.3K, 环温35.0°C  
Note: Evaporating Temperature 5.0°C, Condensing Temperature 55.0°C, Superheating 11.1K, Subcooling 8.3K, Ambient Temperature 35.0°C

型号 Model	WW28KR-TFD-GN1	WW34KR-TFD-GN1	WW48KR-TFD-GN1	WW61KR-TFD-GN1	WW72KR-TFD-GN1	WW81KR-TFD-GN1	WW94KR-TFD-GN1
电机 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						
名义制热量 Nominal Capacity (W)	8291	10031	14905	22445	23093	26569	30905
名义输入功率 Nominal Power (W)	2483	3004	4464	5857	6078	6993	8134
名义工况能效比 COP (W/W)	3.34	3.34	3.34	3.83	3.8	3.8	3.8
名义工况电流 Nominal Operating Current (A)	4.3	5.2	7.7	10.1	10.5	12.1	14
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)	6.3	8.5	11.3	15.1	15.8	18.2	21.2
曲轴箱加热器功率 Crankcase Heater (W)	70						
接管尺寸 Fitting ID Size (mm)	排气管 Dis. Tube	12.94-13.10					
	吸气管 Suc. Tube	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5.0°C, 冷凝55.0°C, 过热11.1K, 过冷8.3K, 环温35.0°C  
Note: Evaporating Temperature 5.0°C, Condensing Temperature 55.0°C, Superheating 11.1K, Subcooling 8.3K, Ambient Temperature 35.0°C

型号 Model	WW108KR-TFD-GN1	WW120KR-TFD-GN1	WW144KR-TFD-GN1	WW154KR-TFD-GN1	WW170KR-TFD-GN1	WW235KR-TWD-GN1	WW292KR-TWD-GN1
电机 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	124.1	143.1	167.8	212.7	262.8
制冷剂 Refrigerant	R32						
名义制热量 Nominal Capacity (W)	34037	35319	43708	49248	57543	75714	90444
名义输入功率 Nominal Power (W)	8958	9539	11504	12962	15145	19928	23805
名义工况能效比 COP (W/W)	3.8	3.8	3.7	3.8	3.8	3.8	3.8
名义工况电流 Nominal Operating Current (A)	15.5	16.5	19.9	22.4	26.2	34.4	41.1
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)	23.3	26.4	29.3	33.7	39.6	50.2	62.0
曲轴箱加热器功率 Crankcase Heater (W)	70		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	3	3	5	5
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)	43	43	66	66	66	92	92

注: 蒸发5.0°C, 冷凝55.0°C, 过热11.1K, 过冷8.3K, 环温35.0°C  
Note: Evaporating Temperature 5.0°C, Condensing Temperature 55.0°C, Superheating 11.1K, Subcooling 8.3K, Ambient Temperature 35.0°C

型号 Model	WW28KE-TFD-GV1	WW34KE-TFD-GV1	WW48KE-TFD-GV1	WW61KE-TFD-GV1	WW72KE-TFD-GV1	WW79KE-TFD-GV1	WW94KE-TFD-GV1	
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	R454C							
名义制热量 Nominal Capacity (W)	8509	11574	15276	19551	22745	24557	28877	
名义输入功率 Nominal Power (W)	2164	2943	3783	4830	5726	6263	7365	
名义工况能效比 COP (W/W)	3.93	3.93	4.04	4.05	3.97	3.92	3.92	
名义工况电流 Nominal Operating Current (A)	3.8	5.2	6.7	8.5	10.1	11.1	13.0	
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)	5.4	7.3	9.4	12	14.3	15.6	18.4	
曲轴箱加热器功率 Crankcase Heater (W)	70						90	
接管尺寸 Fitting ID Size (mm)	排气管 Dis. Tube	12.94-13.10					22.37-22.51	
	吸气管 Suc. Tube	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	1.8	1.8	1.8	3.0	
润滑油重新充注量 Lubrication Oil Recharge (L)	1.2	1.2	1.2	1.6	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5.0°C, 冷凝55.0°C, 过热11.1K, 过冷8.3K, 环温35.0°C, EVI打开  
Note: Evaporating Temperature 5.0°C, Condensing Temperature 55.0°C, Superheating 11.1K, Subcooling 8.3K, Ambient Temperature 35.0°C, EVI Open.

型号 Model	WW108KE-TFD-GV1	WW125KE-TFD-GV1	WW138KE-TFD-GV1	WW154KE-TFD-GV1	WW170KE-TFD-GV1	WW250KE-TWD-GV1	WW300KE-TWD-GV1
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)	147.7	166.1	190.8	209	248.9	325	400
制冷剂 Refrigerant	R454C						
名义制热量 Nominal Capacity (W)	33584	37768	43384	47522	56595	73898	90952
名义输入功率 Nominal Power (W)	8565	9632	11065	12120	14434	18847	23197
名义工况能效比 COP (W/W)	3.92	3.92	3.92	3.92	3.92	3.92	3.92
名义工况电流 Nominal Operating Current (A)	15.1	17.0	19.6	21.4	25.5	33.3	41.0
堵转电流 LRA (A)	117	117	117	117	117	267.9	304
最大运行电流 MOC (A)	21.3	24	27.6	30.2	36	47.0	57.8
曲轴箱加热器功率 Crankcase Heater (W)	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	3	3	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5.0°C, 冷凝55.0°C, 过热11.1K, 过冷8.3K, 环温35.0°C, EVI打开  
Note: Evaporating Temperature 5.0°C, Condensing Temperature 55.0°C, Superheating 11.1K, Subcooling 8.3K, Ambient Temperature 35.0°C, EVI Open.

型号 Model	WW28KE-TFD-GV1	WW34KE-TFD-GV1	WW48KE-TFD-GV1	WW61KE-TFD-GV1	WW72KE-TFD-GV1	WW79KE-TFD-GV1	WW94KE-TFD-GV1	
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	R455A							
名义制冷量 Nominal Capacity (W)	8965	12194	15951	20496	23828	25840	30386	
名义输入功率 Nominal Power (W)	2170	2952	3845	4856	5772	6308	7417	
名义工况能效比 COP (W/W)	4.13	4.13	4.15	4.22	4.13	4.10	4.10	
名义工况电流 Nominal Operating Current (A)	3.8	5.2	6.8	8.6	10.2	11.1	13.1	
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)	5.4	7.3	9.4	12.0	14.3	15.6	18.4	
曲轴箱加热器功率 Crankcase Heater (W)	70						90	
接管尺寸 Fitting ID Size (mm)	排气管 Dis. Tube	12.94-13.10					22.37-22.51	
	吸气管 Suc. Tube	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	1.8	1.8	1.8	3.0	
润滑油重新充注量 Lubrication Oil Recharge (L)	1.2	1.2	1.2	1.6	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5.0°C, 冷凝55.0°C, 过热11.1K, 过冷8.3K, 环温35.0°C, EVI打开  
Note: Evaporating Temperature 5.0°C, Condensing Temperature 55.0°C, Superheating 11.1K, Subcooling 8.3K, Ambient Temperature 35.0°C, EVI Open.

型号 Model	WW108KE-TFD-GV1	WW125KE-TFD-GV1	WW138KE-TFD-GV1	WW154KE-TFD-GV1	WW170KE-TFD-GV1	WW250KE-TWD-GV1	WW300KE-TWD-GV1
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)	147.7	166.1	190.8	209	248.9	325	400
制冷剂 Refrigerant	R455A						
名义制冷量 Nominal Capacity (W)	35339	39742	45651	50006	59553	77760	95705
名义输入功率 Nominal Power (W)	8626	9701	11143	12206	14537	18981	23361
名义工况能效比 COP (W/W)	4.10	4.10	4.10	4.10	4.10	4.10	4.10
名义工况电流 Nominal Operating Current (A)	15.2	17.8	19.7	21.6	25.7	33.5	41.3
堵转电流 LRA (A)	117	117	117	117	117	267.9	304
最大运行电流 MOC (A)	21.3	24.0	27.6	30.2	36.0	47.0	57.8
曲轴箱加热器功率 Crankcase Heater (W)	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	3	3	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5.0°C, 冷凝55.0°C, 过热11.1K, 过冷8.3K, 环温35.0°C, EVI打开  
Note: Evaporating Temperature 5.0°C, Condensing Temperature 55.0°C, Superheating 11.1K, Subcooling 8.3K, Ambient Temperature 35.0°C, EVI Open.

型号 Model	WW50HP-TFD-GV1	WW70HP-TFD-GV1	WW96HP-TFD-GV1	WW126HP-TFD-GV1	WW130HP-TFD-GV1	WW150HP-TFD-GV1	WW170HP-TFD-GV1
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	36	48	63.9	67.1	77.2	89.8
制冷剂 Refrigerant	R454B						
名义制热量 Nominal Capacity (W)	10793	13056	19403	27885	29282	33690	39188
名义输入功率 Nominal Power (W)	2539	3071	4564	6092	6397	7360	8562
名义工况能效比 COP (W/W)	4.25	4.25	4.25	4.58	4.58	4.58	4.58
名义工况电流 Nominal Operating Current (A)	4.5	5.3	8.1	10.8	11.3	13	15.1
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)	6.3	8.5	11.3	15.1	15.8	18.2	21.2
曲轴箱加热器功率 Crankcase Heater (W)	70						
接管尺寸 Fitting ID Size (mm)	排气管 Dis. Tube	12.94-13.10					
	吸气管 Suc. Tube	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5.0°C, 冷凝55.0°C, 过热11.1K, 过冷8.3K, 环温35.0°C, EVI打开  
Note: Evaporating Temperature 5.0°C, Condensing Temperature 55.0°C, Superheating 11.1K, Subcooling 8.3K, Ambient Temperature 35.0°C, EVI Open.

型号 Model	WW200HP-TFD-GV1	WW220HP-TFD-GV1	WW258HP-TFD-GV1	WW286HP-TFD-GV1	WW336HP-TFD-GV1	WW430HP-TWD-GV1	WW520HP-TWD-GV1
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	124.1	143.1	167.8	212.7	262.8
制冷剂 Refrigerant	R454B						
名义制热量 Nominal Capacity (W)	43159	48876	54156	62448	73227	92821	114684
名义输入功率 Nominal Power (W)	9429	10678	11832	13643	15998	20279	25056
名义工况能效比 COP (W/W)	4.58	4.58	4.58	4.58	4.58	4.58	4.58
名义工况电流 Nominal Operating Current (A)	16.7	18.9	20.9	24.1	28.3	35.8	44.3
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)	23.3	26.4	29.3	33.7	39.6	50.2	62.0
曲轴箱加热器功率 Crankcase Heater (W)	70		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	3	3	5	5
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)	43	43	66	66	66	92	92

注: 蒸发5.0°C, 冷凝55.0°C, 过热11.1K, 过冷8.3K, 环温35.0°C, EVI打开  
Note: Evaporating Temperature 5.0°C, Condensing Temperature 55.0°C, Superheating 11.1K, Subcooling 8.3K, Ambient Temperature 35.0°C, EVI Open.

型号 Model	项目 Item (KW)	Tc\Te	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WW28KE-TFD-GN1	Q	75°C								6.55	7.52	8.61	9.83	11.16	
	P									2.6	2.62	2.63	2.63	2.63	
	Q	70°C						4.99	5.77	6.68	7.71	8.87	10.16	11.58	
	P								2.35	2.38	2.41	2.43	2.44	2.45	2.46
	Q	65°C					4.35	5.05	5.89	6.86	7.96	9.19	10.55	12.04	
	P						2.11	2.15	2.19	2.22	2.25	2.27	2.29	2.29	2.29
	Q	60°C				3.79	4.41	5.16	6.05	7.08	8.25	9.55	10.99	12.57	
	P					1.86	1.92	1.97	2.01	2.05	2.09	2.11	2.13	2.14	2.14
	Q	55°C			3.31	3.83	4.5	5.31	6.27	7.36	8.6	9.97	11.49	13.15	
	P				1.61	1.68	1.74	1.8	1.86	1.9	1.94	1.96	1.98	1.98	1.99
	Q	50°C		2.92	3.35	3.92	4.64	5.51	6.52	7.68	8.99	10.44	12.04	13.78	
	P			1.35	1.44	1.52	1.59	1.65	1.71	1.76	1.8	1.82	1.84	1.84	1.85
	Q	45°C		2.63	2.95	3.42	4.04	4.82	5.75	6.83	8.05	9.43	10.96	12.64	14.47
	P			1.09	1.19	1.29	1.37	1.45	1.52	1.58	1.63	1.67	1.7	1.71	1.71
	Q	40°C		2.65	3.01	3.53	4.21	5.04	6.03	7.17	8.47	9.92	11.53	13.29	15.2
	P			0.95	1.06	1.16	1.25	1.33	1.4	1.46	1.51	1.55	1.58	1.59	1.58
	Q	35°C		2.71	3.11	3.68	4.41	5.29	6.34	7.56	8.92	10.45	12.14		
	P			0.83	0.94	1.05	1.14	1.23	1.3	1.36	1.41	1.44	1.46		
	Q	30°C		2.79	3.24	3.85	4.64	5.59	6.7	7.98	9.42	11.03			
	P			0.73	0.85	0.96	1.06	1.14	1.21	1.27	1.31	1.34			
Q	25°C		2.9	3.39	4.06	4.91	5.92	7.1	8.44	9.96					
P			0.66	0.78	0.89	0.98	1.07	1.14	1.19	1.23					
Q	20°C		3.03	3.58	4.3	5.2	6.28	7.53	8.95						
P			0.6	0.72	0.83	0.93	1.01	1.07	1.12						
WW34KE-TFD-GN1	Q	75°C								8.91	10.23	11.71	13.37	15.19	
	P								3.54	3.56	3.57	3.58	3.57		
	Q	70°C						6.79	7.85	9.08	10.49	12.07	13.82	15.75	
	P							3.2	3.24	3.27	3.3	3.32	3.34	3.34	
	Q	65°C					5.92	6.87	8.01	9.32	10.82	12.5	14.35	16.38	
	P						2.87	2.93	2.98	3.02	3.06	3.09	3.11	3.12	
	Q	60°C				5.15	5.99	7.02	8.23	9.64	11.22	13	14.95	17.1	
	P					2.53	2.61	2.68	2.74	2.79	2.84	2.87	2.9	2.91	
	Q	55°C			4.5	5.22	6.12	7.23	8.52	10.01	11.69	13.57	15.63	17.88	
	P				2.18	2.28	2.37	2.45	2.52	2.58	2.63	2.67	2.69	2.71	
	Q	50°C		3.98	4.55	5.33	6.31	7.49	8.87	10.45	12.23	14.21	16.38	18.74	
	P			1.84	1.95	2.06	2.16	2.25	2.33	2.39	2.44	2.48	2.51	2.51	
	Q	45°C		3.58	4.01	4.65	5.5	6.56	7.82	9.28	10.96	12.83	14.91	17.19	19.68
	P			1.48	1.62	1.75	1.87	1.98	2.07	2.15	2.22	2.27	2.31	2.33	2.33
	Q	40°C		3.61	4.1	4.8	5.72	6.85	8.2	9.75	11.52	13.49	15.68	18.07	20.68
	P			1.29	1.44	1.58	1.7	1.81	1.91	1.99	2.06	2.11	2.14	2.16	2.15
	Q	35°C		3.68	4.23	5	5.99	7.2	8.63	10.28	12.14	14.22	16.51		
	P			1.13	1.29	1.43	1.56	1.67	1.77	1.85	1.92	1.96	1.99		
	Q	30°C		3.79	4.4	5.24	6.31	7.6	9.12	10.86	12.82	15			
	P			1	1.16	1.31	1.44	1.55	1.65	1.73	1.79	1.83			
Q	25°C		3.94	4.62	5.53	6.67	8.05	9.65	11.49	13.55					
P			0.89	1.06	1.21	1.34	1.45	1.55	1.62	1.67					
Q	20°C		4.12	4.87	5.86	7.08	8.54	10.24	12.17						
P			0.82	0.99	1.13	1.26	1.37	1.46	1.53						

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WW48KE-TFD-GN1	Q	75°C								12.01	13.93	16.1	18.51	21.16	
	P								5	5.13	5.25	5.36	5.46		
	Q	70°C						8.92	10.4	12.13	14.12	16.36	18.85	21.58	
	P							4.28	4.41	4.54	4.65	4.75	4.84	4.92	
	Q	65°C					7.72	9	10.55	12.36	14.42	16.74	19.3	22.1	
	P						3.75	3.88	4	4.11	4.21	4.29	4.37	4.43	
	Q	60°C				6.74	7.83	9.18	10.8	12.68	14.82	17.21	19.86	22.75	
	P					3.28	3.4	3.52	3.62	3.72	3.8	3.87	3.93	3.98	
	Q	55°C			5.97	6.86	8.01	9.44	11.14	13.1	15.32	17.8	20.53	23.51	
	P				2.86	2.98	3.09	3.19	3.28	3.36	3.43	3.49	3.54	3.57	
	Q	50°C		5.42	6.09	7.05	8.28	9.79	11.56	13.61	15.91	18.48	21.3	24.38	
	P			2.48	2.59	2.7	2.8	2.89	2.97	3.04	3.1	3.14	3.18	3.2	
	Q	45°C		5.06	5.52	6.28	7.31	8.62	10.21	12.08	14.21	16.61	19.27	22.19	25.36
	P			2.14	2.25	2.36	2.45	2.54	2.62	2.69	2.75	2.8	2.84	2.86	2.88
	Q	40°C		5.15	5.7	6.53	7.64	9.04	10.72	12.67	14.9	17.39	20.15	23.17	26.45
	P			1.95	2.05	2.15	2.24	2.32	2.39	2.45	2.5	2.54	2.57	2.58	2.59
	Q	35°C		5.3	5.92	6.84	8.05	9.53	11.31	13.36	15.68	18.27	21.14		
	P			1.78	1.88	1.97	2.05	2.12	2.19	2.24	2.28	2.32	2.34		
	Q	30°C		5.5	6.21	7.22	8.51	10.1	11.97	14.12	16.55	19.25			
	P			1.64	1.73	1.82	1.89	1.96	2.02	2.06	2.1	2.13			
Q	25°C		5.75	6.56	7.66	9.05	10.73	12.71	14.96	17.5					
P			1.53	1.61	1.69	1.76	1.82	1.88	1.92	1.95					
Q	20°C		6.05	6.95	8.15	9.65	11.44	13.52	15.88						
P			1.43	1.52	1.59	1.66	1.72	1.77	1.81						
WW61KE-TFD-GN1	Q	75°C								15.68	18.01	20.6	23.45	26.56	
	P								6.4	6.55	6.67	6.77	6.84		
	Q	70°C						11.82	13.68	15.82	18.23	20.9	23.85	27.05	
	P							5.48	5.65	5.79	5.92	6.02	6.1	6.16	
	Q	65°C					10.26	11.91	13.85	16.06	18.56	21.32	24.36	27.68	
	P						4.79	4.96	5.1	5.23	5.34	5.42	5.49	5.54	
	Q	60°C				8.93	10.37	12.09	14.11	16.41	18.99	21.86	25	28.43	
	P					4.18	4.34	4.48	4.61	4.71	4.8	4.88	4.93	4.97	
	Q	55°C			7.85	9.05	10.56	12.36	14.46	16.85	19.53	22.5	25.76	29.3	
	P				3.64	3.79	3.93	4.05	4.15	4.24	4.32	4.38	4.43	4.46	
	Q	50°C		7.01	7.97	9.25	10.83	12.72	14.91	17.39	20.18	23.26	26.64	30.31	
	P			3.18	3.32	3.44	3.56	3.66	3.75	3.82	3.89	3.94	3.98	4.01	
	Q	45°C		6.41	7.13	8.17	9.52	11.19	13.16	15.45	18.04	20.94	24.14	27.64	31.44
	P			2.79	2.91	3.03	3.13	3.22	3.31	3.38	3.44	3.5	3.55	3.58	3.61
	Q	40°C		6.54	7.32	8.44	9.87	11.62	13.7	16.09	18.79	21.81	25.13	28.77	32.71
	P			2.58	2.68	2.77	2.86	2.93	3	3.06	3.11	3.16	3.2	3.24	3.26
	Q	35°C		6.71	7.58	8.77	10.3	12.15	14.32	16.82	19.64	22.78	26.24		
	P			2.41	2.48	2.55	2.62	2.68	2.73	2.78	2.83	2.87	2.91		
	Q	30°C		6.95	7.89	9.18	10.8	12.75	15.04	17.66	20.6	23.87			
	P			2.26	2.32	2.37	2.42	2.46	2.51	2.55	2.59	2.63			
Q	25°C		7.24	8.28	9.65	11.38	13.44	15.84	18.59	21.66					
P			2.15	2.18	2.22	2.25	2.29	2.32	2.36	2.39					
Q	20°C		7.59	8.72	10.2	12.04	14.22	16.74	19.61						
P			2.06	2.08	2.1	2.12	2.15	2.18	2.21						

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc/Te	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WW72KE-TFD-GN1	Q	75°C								18.04	20.68	23.65	26.94	30.55	
	P									7.58	7.76	7.9	8	8.06	
	Q	70°C						13.78	15.84	18.23	20.95	23.98	27.34	31.01	
	P								6.47	6.68	6.87	7.01	7.12	7.2	7.24
	Q	65°C					12.1	13.93	16.08	18.55	21.35	24.46	27.89	31.64	
	P							5.66	5.87	6.06	6.21	6.32	6.41	6.46	6.48
	Q	60°C				10.64	12.24	14.17	16.42	18.99	21.88	25.09	28.61	32.43	
	P						4.94	5.15	5.33	5.48	5.6	5.69	5.75	5.79	5.79
	Q	55°C			9.37	10.76	12.48	14.52	16.89	19.56	22.56	25.86	29.48	33.4	
	P					4.3	4.5	4.67	4.82	4.95	5.04	5.12	5.16	5.18	5.17
	Q	50°C		8.23	9.44	10.96	12.81	14.98	17.46	20.26	23.37	26.79	30.51	34.54	
	P				3.75	3.93	4.1	4.25	4.37	4.47	4.54	4.6	4.63	4.64	4.62
	Q	45°C		7.21	8.23	9.58	11.25	13.24	15.54	18.16	21.09	24.32	27.86	31.71	35.85
	P				3.28	3.45	3.61	3.74	3.86	3.96	4.04	4.1	4.14	4.16	4.14
	Q	40°C		7.11	8.3	9.8	11.63	13.76	16.22	18.98	22.04	25.42	29.09	33.07	37.34
	P				3.04	3.19	3.31	3.42	3.52	3.6	3.66	3.71	3.74	3.75	3.75
	Q	35°C		7.07	8.42	10.1	12.09	14.39	17	19.91	23.13	26.65	30.47		
	P				2.84	2.96	3.06	3.15	3.22	3.29	3.34	3.37	3.4	3.4	
	Q	30°C		7.08	8.62	10.47	12.64	15.11	17.89	20.97	24.35	28.03			
	P				2.67	2.76	2.84	2.91	2.97	3.02	3.06	3.09	3.11		
Q	25°C		7.15	8.88	10.92	13.27	15.93	18.89	22.15	25.7					
P				2.53	2.6	2.66	2.71	2.76	2.8	2.84	2.87				
Q	20°C		7.27	9.21	11.46	14	16.86	20.01	23.45						
P				2.42	2.47	2.52	2.56	2.6	2.64	2.67					
WW79KE-TFD-GN1	Q	75°C								19.66	22.52	25.74	29.32	33.25	
	P								8.33	8.52	8.67	8.78	8.84		
	Q	70°C						15.05	17.27	19.85	22.79	26.09	29.74	33.74	
	P							7.11	7.34	7.53	7.69	7.81	7.89	7.93	
	Q	65°C					13.22	15.18	17.5	20.18	23.21	26.6	30.33	34.41	
	P						6.22	6.45	6.64	6.8	6.92	7.02	7.07	7.1	
	Q	60°C				11.64	13.36	15.43	17.87	20.65	23.79	27.27	31.1	35.27	
	P						5.43	5.65	5.84	6	6.13	6.22	6.29	6.33	6.34
	Q	55°C			10.25	11.75	13.6	15.81	18.36	21.27	24.52	28.11	32.04	36.32	
	P					4.73	4.94	5.12	5.28	5.41	5.51	5.59	5.64	5.66	5.66
	Q	50°C		9.02	10.31	11.96	13.95	16.3	18.99	22.02	25.4	29.11	33.16	37.55	
	P				4.13	4.32	4.5	4.65	4.77	4.88	4.96	5.02	5.06	5.07	5.06
	Q	45°C		7.9	9	10.46	12.26	14.41	16.91	19.75	22.92	26.44	30.28	34.46	38.97
	P				3.61	3.79	3.95	4.09	4.22	4.32	4.41	4.47	4.52	4.54	4.55
	Q	40°C		7.77	9.06	10.69	12.67	14.98	17.64	20.64	23.97	27.63	31.62	35.93	40.57
	P				3.35	3.5	3.63	3.74	3.84	3.92	3.99	4.04	4.08	4.1	4.11
	Q	35°C		7.71	9.19	11.01	13.17	15.66	18.49	21.66	25.15	28.97	33.11		
	P				3.12	3.24	3.34	3.43	3.51	3.58	3.64	3.68	3.72	3.74	
	Q	30°C		7.72	9.4	11.41	13.77	16.45	19.46	22.81	26.47	30.46			
	P				2.93	3.02	3.1	3.18	3.24	3.3	3.35	3.39	3.42		
Q	25°C		7.79	9.68	11.91	14.46	17.35	20.56	24.09	27.94					
P				2.77	2.84	2.91	2.96	3.02	3.07	3.11	3.16				
Q	20°C		7.93	10.04	12.49	15.26	18.35	21.77	25.5						
P				2.66	2.71	2.76	2.8	2.85	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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc/Te	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WW94KE-TFD-GN1	Q	75°C								23.12	26.48	30.27	34.47	39.1	
	P								9.79	10.02	10.19	10.32	10.4		
	Q	70°C						17.7	20.31	23.34	26.8	30.67	34.97	39.67	
	P							8.36	8.63	8.86	9.04	9.18	9.28	9.33	
	Q	65°C					15.55	17.86	20.58	23.73	27.3	31.27	35.67	40.46	
	P							7.32	7.58	7.81	8	8.14	8.25	8.32	8.35
	Q	60°C				13.69	15.71	18.15	21.01	24.29	27.97	32.07	36.57	41.47	
	P						6.39	6.64	6.87	7.05	7.2	7.32	7.4	7.45	7.46
	Q	55°C			12.05	13.81	15.99	18.59	21.59	25.01	28.83	33.06	37.68	42.7	
	P					5.57	5.81	6.02	6.21	6.36	6.48	6.57	6.63	6.66	6.66
	Q	50°C		10.61	12.12	14.06	16.41	19.17	22.33	25.9	29.87	34.24	39	44.15	
	P				4.85	5.08	5.29	5.46	5.61	5.74	5.83	5.9	5.95	5.96	5.95
	Q	45°C		9.28	10.58	12.3	14.42	16.95	19.89	23.22	26.96	31.09	35.61	40.52	45.82
	P				4.25	4.46	4.65	4.82	4.96	5.08	5.18	5.26	5.31	5.34	5.35
	Q	40°C		9.14	10.65	12.57	14.89	17.62	20.75	24.27	28.18	32.49	37.18	42.25	47.71
	P				3.94	4.11	4.26	4.4	4.52	4.61	4.69	4.76	4.8	4.83	4.83
	Q	35°C		9.07	10.81	12.95	15.48	18.42	21.75	25.47	29.57	34.06	38.94		
	P				3.67	3.81	3.93	4.04	4.13	4.21	4.28	4.33	4.37	4.39	
	Q	30°C		9.08	11.05	13.42	16.19	19.34	22.89	26.82	31.13	35.82			
	P				3.45	3.55	3.65	3.73	3.81	3.88	3.93	3.98	4.02		
Q	25°C		9.16	11.39	14	17.01	20.4	24.17	28.32	32.85					
P				3.26	3.34	3.42	3.49	3.55	3.61	3.66	3.71				
Q	20°C		9.32	11.81	14.68	17.94	21.58	25.59	29.98						
P				3.12	3.18	3.24	3.3	3.35	3.41	3.46					
WW108KE-TFD-GN1	Q	75°C								26.89	30.8	35.2	40.09	45.47	
	P								11.39	11.65	11.85	12	12.09		
	Q	70°C							20.59	23.62	27.15	31.17	35.67	40.67	46.14
	P								9.73	10.04	10.3	10.52	10.68	10.79	10.85
	Q	65°C					18.09	20.77	23.94	27.6	31.74	36.37	41.48	47.06	
	P						8.51	8.82	9.08	9.3	9.47	9.6	9.67	9.71	
	Q	60°C				15.92	18.27	21.11	24.44	28.24	32.53	37.3	42.53	48.23	
	P						7.43	7.73	7.98	8.2	8.38	8.51	8.61	8.66	8.67
	Q	55°C			14.02	16.07	18.6	21.62	25.11	29.09	33.53	38.44	43.82	49.66	
	P					6.47	6.76	7.01	7.22	7.4	7.54	7.64	7.71	7.75	7.74
	Q	50°C		12.33	14.1	16.35	19.08	22.29	25.97	30.12	34.74	39.82	45.36	51.35	
	P				5.65	5.91	6.15	6.35	6.53	6.67	6.78	6.87	6.92	6.93	6.92
	Q	45°C		10.8	12.31	14.3	16.77	19.71	23.13	27.01	31.35	36.15	41.41	47.13	53.29
	P				4.94	5.19	5.41	5.6	5.77	5.91	6.02	6.11	6.18	6.22	6.23
	Q	40°C		10.63	12.39	14.62	17.32	20.49	24.13	28.22	32.78	37.78	43.24	49.14	55.48
	P				4.58	4.78	4.96	5.12	5.25	5.37	5.46	5.53	5.58	5.61	5.62
	Q	35°C		10.55	12.57	15.06	18.01	21.42	25.29	29.62	34.39	39.62	45.28		
	P				4.27	4.43	4.57	4.7	4.81	4.9	4.98	5.04	5.08	5.11	
	Q	30°C		10.56	12.85	15.61	18.83	22.5	26.62	31.19	36.2	41.66			
	P				4.01	4.13	4.24	4.34	4.43	4.51	4.58	4.63	4.68		
Q	25°C		10.66	13.24	16.28	19.78	23.72	28.11	32.94	38.21					
P				3.79	3.89	3.97	4.05	4.13	4.2	4.26	4.32				
Q	20°C		10.84	13.73	17.08	20.86	25.1	29.77	34.87						
P				3.63	3.7	3.77	3.84	3.9	3.97	4.03					

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc/Te	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WW125KE-TFD-GN1	Q	75°C								30.24	34.64	39.59	45.09	51.14	
	P									12.81	13.1	13.33	13.5	13.6	
	Q	70°C							23.15	26.56	30.53	35.05	40.12	45.73	51.89
	P								10.94	11.29	11.59	11.83	12.01	12.13	12.2
	Q	65°C						20.34	23.35	26.92	31.04	35.7	40.9	46.65	52.92
	P							9.57	9.92	10.21	10.46	10.65	10.79	10.88	10.92
	Q	60°C				17.9	20.54	23.74	27.48	31.76	36.59	41.94	47.83	54.24	
	P					8.35	8.69	8.98	9.22	9.42	9.57	9.68	9.74	9.75	
	Q	55°C			15.77	18.07	20.92	24.31	28.24	32.71	37.71	43.23	49.28	55.85	
	P				7.28	7.6	7.88	8.12	8.32	8.48	8.6	8.67	8.71	8.71	
	Q	50°C		13.87	15.86	18.39	21.46	25.07	29.21	33.87	39.07	44.78	51.01	57.75	
	P			6.35	6.65	6.91	7.14	7.34	7.5	7.63	7.72	7.78	7.8	7.79	
	Q	45°C		12.14	13.84	16.08	18.86	22.17	26.01	30.37	35.26	40.66	46.57	53	59.93
	P			5.56	5.83	6.08	6.3	6.49	6.65	6.78	6.88	6.95	6.99	7	6.98
	Q	40°C		11.95	13.93	16.44	19.48	23.04	27.13	31.74	36.86	42.49	48.62	55.26	62.4
	P			5.16	5.38	5.58	5.75	5.91	6.03	6.14	6.22	6.28	6.31	6.32	6.31
	Q	35°C		11.86	14.13	16.93	20.25	24.09	28.44	33.31	38.68	44.55	50.92		
	P			4.8	4.98	5.14	5.28	5.4	5.51	5.6	5.71	5.75			
	Q	30°C		11.87	14.46	17.56	21.17	25.3	29.94	35.08	40.71	46.85			
	P			4.51	4.65	4.77	4.88	4.98	5.07	5.15	5.21	5.26			
Q	25°C		11.98	14.89	18.31	22.24	26.68	31.61	37.05	42.97					
P			4.27	4.37	4.47	4.56	4.64	4.72	4.79	4.85					
Q	20°C		12.19	15.44	19.2	23.46	28.22	33.47	39.22						
P			4.08	4.16	4.24	4.31	4.39	4.46	4.53						
WW138KE-TFD-GN1	Q	75°C								34.74	39.79	45.47	51.79	58.74	
	P								14.71	15.05	15.31	15.5	15.62		
	Q	70°C						26.59	30.51	35.07	40.26	46.08	52.53	59.6	
	P							12.57	12.97	13.31	13.59	13.79	13.94	14.01	
	Q	65°C					23.36	26.82	30.92	35.65	41.01	46.99	53.58	60.79	
	P						11	11.39	11.73	12.01	12.23	12.4	12.5	12.54	
	Q	60°C				20.56	23.6	27.27	31.57	36.49	42.03	48.18	54.94	62.31	
	P					9.6	9.98	10.31	10.59	10.82	11	11.12	11.19	11.2	
	Q	55°C			18.11	20.75	24.03	27.92	32.44	37.57	43.31	49.66	56.61	64.16	
	P				8.36	8.73	9.05	9.33	9.56	9.74	9.87	9.96	10.01	10	
	Q	50°C		15.93	18.21	21.12	24.65	28.79	33.55	38.91	44.87	51.44	58.59	66.33	
	P			7.29	7.64	7.94	8.21	8.43	8.62	8.76	8.87	8.93	8.96	8.94	
	Q	45°C		13.95	15.9	18.47	21.66	25.46	29.87	34.89	40.5	46.71	53.5	60.88	68.84
	P			6.39	6.7	6.98	7.23	7.45	7.63	7.78	7.9	7.98	8.03	8.04	8.02
	Q	40°C		13.73	16	18.88	22.38	26.47	31.17	36.46	42.34	48.81	55.85	63.48	71.67
	P			5.92	6.18	6.41	6.61	6.78	6.93	7.05	7.15	7.21	7.25	7.26	7.24
	Q	35°C		13.63	16.24	19.45	23.26	27.67	32.67	38.26	44.43	51.18	58.5		
	P			5.52	5.72	5.9	6.07	6.21	6.33	6.43	6.51	6.56	6.6		
	Q	30°C		13.64	16.6	20.17	24.32	29.06	34.39	40.29	46.77	53.82			
	P			5.18	5.34	5.48	5.61	5.72	5.82	5.91	5.98	6.04			
Q	25°C		13.77	17.11	21.04	25.55	30.65	36.31	42.55	49.36					
P			4.9	5.02	5.13	5.24	5.33	5.42	5.5	5.57					
Q	20°C		14	17.74	22.06	26.95	32.42	38.45	45.05						
P			4.69	4.78	4.87	4.95	5.04	5.12	5.2						

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc/Te	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C					
WW154KE-TFD-GN1	Q	75°C								38.05	43.58	49.81	56.73	64.35					
	P								16.12	16.48	16.77	16.98	17.11						
	Q	70°C							29.13	33.42	38.41	44.1	50.48	57.54	65.29				
	P								13.77	14.21	14.58	14.88	15.11	15.27	15.35				
	Q	65°C						25.59	29.38	33.87	39.05	44.92	51.47	58.69	66.59				
	P							12.05	12.48	12.85	13.16	13.4	13.58	13.69	13.74				
	Q	60°C						22.52	25.85	29.87	34.58	39.97	46.03	52.77	60.18	68.25			
	P							10.51	10.93	11.3	11.6	11.85	12.05	12.18	12.25	12.27			
	Q	55°C				19.84	22.73	26.32	30.59	35.54	41.16	47.45	54.4	62.01	70.28				
	P					9.16	9.56	9.91	10.22	10.47	10.67	10.82	10.91	10.96	10.96				
	Q	50°C		17.45	19.95	23.14	27	31.54	36.75	42.62	49.16	56.34	64.18	72.66					
	P			7.99	8.37	8.7	8.99	9.24	9.44	9.6	9.71	9.79	9.81	9.8					
	Q	45°C		15.28	17.42	20.23	23.73	27.89	32.72	38.22	44.36	51.16	58.6	66.69	75.41				
	P			6.99	7.34	7.65	7.92	8.16	8.36	8.53	8.65	8.74	8.79	8.81	8.79				
	Q	40°C		15.04	17.53	20.69	24.51	29	34.14	39.94	46.38	53.46	61.18	69.53	78.51				
	P			6.49	6.77	7.02	7.24	7.43	7.59	7.73	7.83	7.9	7.94	7.95	7.94				
	Q	35°C		14.93	17.78	21.3	25.48	30.31	35.79	41.91	48.67	56.06	64.08						
	P			6.05	6.27	6.47	6.65	6.8	6.93	7.04	7.13	7.19	7.23						
	Q	30°C		14.94	18.19	22.09	26.64	31.83	37.67	44.13	51.23	58.95							
	P			5.67	5.85	6	6.14	6.27	6.38	6.47	6.55	6.62							
Q	25°C		15.08	18.74	23.04	27.99	33.57	39.78	46.61	54.07									
P			5.37	5.5	5.62	5.74	5.84	5.94	6.03	6.11									
Q	20°C		15.34	19.43	24.16	29.52	35.51	42.12	49.34										
P			5.14	5.24	5.33	5.43	5.52	5.61	5.7										
WW170KE-TFD-GN1	Q	75°C								45.32	51.9	59.32	67.57	76.63					
	P								19.19	19.63	19.97	20.22	20.38						
	Q	70°C							34.69	39.8	45.75	52.52	60.12	68.53	77.75				
	P								16.39	16.92	17.36	17.72	17.99	18.18	18.28				
	Q	65°C							30.48	34.99	40.34	46.51	53.5	61.29	69.9	79.3			
	P								14.35	14.86	15.31	15.67	15.96	16.17	16.3	16.36			
	Q	60°C							26.82	30.78	35.57	41.18	47.6	54.82	62.85	71.67	81.28		
	P								12.52	13.02	13.45	13.82	14.12	14.35	14.5	14.59	14.61		
	Q	55°C							23.63	27.07	31.34	36.43	42.32	49.01	56.5	64.79	73.85	83.69	
	P								10.91	11.39	11.81	12.17	12.46	12.7	12.88	13	13.05	13.05	
	Q	50°C							20.78	23.76	27.55	32.16	37.56	43.76	50.76	58.54	67.1	76.43	86.53
	P								9.51	9.96	10.36	10.71	11	11.24	11.43	11.57	11.65	11.69	11.67
	Q	45°C		18.2	20.74	24.1	28.26	33.22	38.97	45.51	52.83	60.93	69.79	79.42	89.8				
	P			8.33	8.74	9.11	9.44	9.72	9.96	10.15	10.3	10.41	10.47	10.49	10.47				
	Q	40°C		17.91	20.87	24.63	29.19	34.53	40.66	47.56	55.23	63.67	72.86	82.81	93.5				
	P			7.73	8.06	8.36	8.62	8.85	9.04	9.2	9.32	9.41	9.46	9.47	9.45				
	Q	35°C		17.78	21.18	25.37	30.35	36.1	42.62	49.91	57.96	66.76	76.31						
	P			7.2	7.46	7.7	7.91	8.1	8.26	8.39	8.49	8.56	8.61						
	Q	30°C		17.79	21.66	26.31	31.73	37.91	44.86	52.56	61.01	70.2							
	P			6.76	6.96	7.15	7.32	7.47	7.6	7.71	7.8	7.88							
Q	25°C		17.96	22.32	27.44	33.33	39.98	47.37	55.51	64.39									
P			6.39	6.55	6.7	6.83	6.96	7.07	7.18	7.27									
Q	20°C		18.27	23.14	28.78	35.16	42.29	50.16	58.76										
P			6.12	6.24	6.35	6.46	6.57	6.68	6.79										

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WW250KE-TWD-GN1	Q	75°C								59.17	67.77	77.46	88.22	100.06	
	P									25.06	25.63	26.08	26.41	26.61	
	Q	70°C						45.3	51.97	59.74	68.58	78.5	89.48	101.52	
	P							21.41	22.1	22.67	23.14	23.5	23.74	23.87	
	Q	65°C					39.8	45.69	52.67	60.73	69.85	80.03	91.27	103.55	
	P						18.73	19.41	19.99	20.46	20.84	21.11	21.29	21.36	
	Q	60°C				35.02	40.2	46.45	53.77	62.15	71.59	82.07	93.58	106.13	
	P					16.35	17	17.57	18.05	18.43	18.73	18.94	19.06	19.08	
	Q	55°C			30.85	35.35	40.93	47.57	55.26	64	73.78	84.59	96.43	109.28	
	P				14.24	14.87	15.42	15.89	16.28	16.59	16.82	16.97	17.05	17.04	
	Q	50°C		27.14	31.03	35.98	41.99	49.05	57.15	66.28	76.44	87.61	99.8	112.99	
	P			12.42	13.01	13.53	13.98	14.36	14.68	14.93	15.11	15.22	15.26	15.23	
	Q	45°C		23.76	27.08	31.47	36.9	43.38	50.89	59.43	68.99	79.56	91.13	103.7	117.26
	P			10.88	11.42	11.9	12.32	12.69	13	13.26	13.45	13.59	13.68	13.7	13.67
	Q	40°C		23.39	27.26	32.17	38.11	45.09	53.09	62.1	72.12	83.13	95.14	108.13	122.09
	P			10.09	10.52	10.91	11.26	11.55	11.81	12.01	12.17	12.28	12.35	12.37	12.34
	Q	35°C		23.21	27.66	33.13	39.62	47.13	55.65	65.17	75.68	87.17	99.64		
	P			9.4	9.75	10.06	10.33	10.57	10.78	10.95	11.08	11.18	11.24		
	Q	30°C		23.23	28.28	34.35	41.43	49.5	58.57	68.63	79.66	91.67			
	P			8.82	9.09	9.33	9.55	9.75	9.92	10.07	10.19	10.29			
Q	25°C		23.45	29.14	35.83	43.52	52.2	61.86	72.48	84.08					
P			8.35	8.55	8.74	8.92	9.09	9.24	9.37	9.5					
Q	20°C		23.85	30.22	37.57	45.91	55.22	65.5	76.73						
P			7.99	8.14	8.29	8.44	8.58	8.73	8.87						
WW300KE-TWD-GN1	Q	75°C								72.83	83.41	95.33	108.58	123.15	
	P								30.85	31.55	32.1	32.5	32.75		
	Q	70°C						55.75	63.97	73.52	84.41	96.61	110.13	124.95	
	P							26.35	27.19	27.91	28.48	28.92	29.22	29.38	
	Q	65°C					48.98	56.24	64.83	74.74	85.97	98.5	112.33	127.44	
	P						23.05	23.89	24.6	25.19	25.65	25.99	26.2	26.29	
	Q	60°C				43.11	49.47	57.17	66.18	76.49	88.1	101	115.18	130.63	
	P					20.12	20.93	21.62	22.21	22.69	23.05	23.31	23.45	23.49	
	Q	55°C			37.97	43.51	50.37	58.54	68.01	78.77	90.81	104.11	118.68	134.5	
	P				17.53	18.3	18.97	19.55	20.03	20.41	20.7	20.89	20.98	20.97	
	Q	50°C		33.4	38.19	44.28	51.68	60.36	70.33	81.57	94.08	107.83	122.83	139.06	
	P			15.29	16.01	16.65	17.2	17.68	18.07	18.37	18.59	18.73	18.78	18.75	
	Q	45°C		29.24	33.33	38.73	45.41	53.38	62.63	73.14	84.9	97.91	112.16	127.63	144.32
	P			13.39	14.05	14.64	15.17	15.62	16	16.32	16.56	16.73	16.83	16.86	16.82
	Q	40°C		28.79	33.55	39.59	46.91	55.5	65.34	76.43	88.76	102.32	117.09	133.08	150.26
	P			12.42	12.95	13.43	13.85	14.22	14.53	14.78	14.98	15.12	15.2	15.22	15.19
	Q	35°C		28.57	34.04	40.77	48.77	58.01	68.49	80.21	93.14	107.29	122.63		
	P			11.57	12	12.38	12.72	13.01	13.27	13.48	13.64	13.76	13.84		
	Q	30°C		28.6	34.81	42.28	50.99	60.93	72.09	84.47	98.05	112.82			
	P			10.86	11.19	11.49	11.76	12	12.21	12.39	12.54	12.66			
Q	25°C		28.86	35.86	44.1	53.57	64.25	76.13	89.21	103.48					
P			10.28	10.53	10.76	10.98	11.18	11.37	11.54	11.69					
Q	20°C		29.36	37.19	46.25	56.51	67.96	80.61	94.44						
P			9.83	10.02	10.21	10.39	10.57	10.74	10.91						

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C		
WW28KE-TFD-GN1	Q	72°C								7.02	8.09	9.29	10.62	12.08		
	P									2.58	2.6	2.61	2.62	2.63		
	Q	70°C								7.08	8.17	9.4	10.76	12.26		
	P										2.5	2.52	2.54	2.55	2.55	
	Q	65°C						5.35	6.24	7.26	8.42	9.72	11.16	12.75		
	P							2.24	2.27	2.31	2.34	2.36	2.38	2.38		
	Q	60°C					4.67	5.47	6.42	7.5	8.73	10.11	11.63	13.3		
	P							1.99	2.04	2.09	2.13	2.17	2.19	2.21	2.22	
	Q	55°C				4.06	4.78	5.64	6.64	7.8	9.1	10.55	12.16	13.91		
	P					1.74	1.81	1.87	1.93	1.97	2.01	2.04	2.06	2.07		
	Q	50°C				3.55	4.17	4.93	5.85	6.92	8.14	9.52	11.05	12.74	14.59	
	P						1.49	1.57	1.65	1.72	1.78	1.83	1.86	1.89	1.91	1.92
	Q	45°C				3.14	3.65	4.31	5.13	6.11	7.24	8.53	9.99	11.6	13.38	15.33
	P						1.24	1.34	1.42	1.51	1.58	1.64	1.69	1.73	1.76	1.77
	Q	40°C		2.82	3.22	3.77	4.49	5.37	6.4	7.61	8.98	10.51	12.21	14.08	16.12	
	P			0.98	1.1	1.2	1.3	1.38	1.46	1.52	1.57	1.61	1.63	1.64	1.64	
	Q	35°C		2.89	3.33	3.93	4.7	5.64	6.74	8.02	9.46	11.08	12.87			
	P			0.86	0.98	1.09	1.19	1.27	1.35	1.41	1.46	1.5	1.52			
	Q	30°C		2.98	3.47	4.12	4.95	5.95	7.12	8.47	9.99	11.7				
	P			0.76	0.88	1	1.1	1.18	1.26	1.32	1.36	1.39				
Q	25°C		3.1	3.63	4.34	5.23	6.29	7.53	8.96	10.57						
P			0.68	0.81	0.92	1.02	1.11	1.18	1.24	1.28						
Q	20°C		3.24	3.82	4.59	5.53	6.66	7.98	9.49							
P			0.62	0.75	0.87	0.96	1.05	1.11	1.16							
WW34KE-TFD-GN1	Q	72°C								9.55	11	12.63	14.45	16.44		
	P								3.51	3.54	3.56	3.57	3.57			
	Q	70°C								9.63	11.12	12.79	14.64	16.68		
	P										3.4	3.43	3.45	3.47	3.47	
	Q	65°C						7.28	8.49	9.88	11.46	13.23	15.19	17.34		
	P								3.04	3.09	3.14	3.18	3.21	3.23	3.24	
	Q	60°C						6.35	7.44	8.73	10.21	11.88	13.75	15.82	18.09	
	P								2.71	2.78	2.85	2.9	2.95	2.98	3.01	3.02
	Q	55°C					5.53	6.5	7.67	9.04	10.6	12.38	14.35	16.53	18.92	
	P							2.37	2.46	2.55	2.62	2.68	2.73	2.77	2.8	2.81
	Q	50°C				4.83	5.67	6.71	7.96	9.41	11.07	12.95	15.03	17.33	19.85	
	P						2.03	2.14	2.24	2.33	2.41	2.48	2.54	2.58	2.6	2.61
	Q	45°C				4.26	4.96	5.86	6.98	8.31	9.85	11.61	13.59	15.78	18.21	20.85
	P						1.68	1.82	1.94	2.05	2.15	2.23	2.3	2.36	2.39	2.41
	Q	40°C		3.84	4.38	5.13	6.11	7.3	8.71	10.35	12.21	14.3	16.61	19.16	21.93	
	P			1.34	1.49	1.63	1.76	1.88	1.98	2.07	2.14	2.19	2.22	2.24	2.23	
	Q	35°C		3.93	4.53	5.35	6.4	7.67	9.17	10.91	12.87	15.07	17.51			
	P			1.17	1.33	1.48	1.62	1.73	1.84	1.92	1.99	2.04	2.06			
	Q	30°C		4.06	4.72	5.61	6.73	8.09	9.68	11.52	13.59	15.91				
	P			1.03	1.2	1.35	1.49	1.61	1.71	1.79	1.85	1.89				
Q	25°C		4.22	4.94	5.9	7.11	8.56	10.25	12.19	14.37						
P			0.93	1.1	1.25	1.39	1.51	1.61	1.68	1.73						
Q	20°C		4.4	5.2	6.24	7.53	9.07	10.86	12.9							
P			0.85	1.02	1.18	1.31	1.43	1.52	1.58							

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WW48KE-TFD-GN1	Q	72°C								12.76	14.86	17.21	19.84	22.71	
	P									4.9	5.03	5.15	5.25	5.34	
	Q	70°C								12.84	14.96	17.34	19.99	22.9	
	P									4.72	4.84	4.94	5.04	5.12	
	Q	65°C						9.53	11.17	13.09	15.28	17.74	20.46	23.44	
	P								4.03	4.16	4.27	4.38	4.47	4.55	4.61
	Q	60°C					8.3	9.73	11.44	13.44	15.7	18.24	21.04	24.1	
	P						3.54	3.66	3.77	3.87	3.95	4.03	4.09	4.14	
	Q	55°C				7.29	8.51	10.01	11.8	13.88	16.23	18.85	21.73	24.88	
	P					3.09	3.21	3.31	3.41	3.5	3.57	3.63	3.68	3.72	
	Q	50°C			6.49	7.49	8.79	10.38	12.25	14.41	16.85	19.56	22.54	25.77	
	P				2.7	2.81	2.91	3	3.09	3.16	3.22	3.28	3.31	3.34	
	Q	45°C		5.89	6.67	7.76	9.15	10.83	12.8	15.05	17.58	20.38	23.45	26.78	
	P			2.34	2.45	2.55	2.64	2.73	2.8	2.86	2.92	2.96	2.98	2.99	
	Q	40°C		5.49	6.05	6.93	8.11	9.59	11.36	13.43	15.77	18.4	21.3	24.47	27.91
	P			2.03	2.14	2.24	2.33	2.41	2.48	2.55	2.6	2.65	2.68	2.69	2.69
	Q	35°C		5.62	6.28	7.25	8.53	10.11	11.98	14.15	16.6	19.33	22.34		
	P			1.86	1.96	2.05	2.13	2.21	2.28	2.33	2.38	2.41	2.43		
	Q	30°C		5.81	6.58	7.65	9.03	10.71	12.69	14.96	17.52	20.36			
	P			1.71	1.8	1.89	1.97	2.04	2.1	2.15	2.19	2.21			
Q	25°C		6.07	6.93	8.12	9.6	11.4	13.49	15.87	18.54					
P			1.59	1.68	1.76	1.83	1.9	1.95	2	2.03					
Q	20°C		6.38	7.36	8.65	10.25	12.16	14.37	16.86						
P			1.49	1.58	1.66	1.73	1.79	1.84	1.88						
WW61KE-TFD-GN1	Q	72°C								16.64	19.17	21.98	25.07	28.45	
	P								6.27	6.41	6.53	6.62	6.68		
	Q	70°C								16.73	19.29	22.14	25.27	28.68	
	P									6.03	6.16	6.26	6.35	6.41	
	Q	65°C						12.6	14.66	17.01	19.66	22.6	25.84	29.35	
	P							5.16	5.31	5.44	5.55	5.64	5.71	5.76	
	Q	60°C					10.99	12.82	14.95	17.39	20.13	23.17	26.51	30.15	
	P						4.51	4.66	4.79	4.9	5	5.07	5.13	5.17	
	Q	55°C				9.61	11.2	13.11	15.33	17.86	20.7	23.85	27.3	31.06	
	P					3.95	4.09	4.21	4.32	4.41	4.49	4.56	4.61	4.64	
	Q	50°C			8.47	9.82	11.49	13.48	15.79	18.42	21.37	24.64	28.22	32.1	
	P				3.45	3.58	3.7	3.8	3.9	3.97	4.04	4.1	4.14	4.17	
	Q	45°C		7.59	8.68	10.1	11.85	13.93	16.35	19.09	22.15	25.54	29.25	33.28	
	P			3.03	3.15	3.26	3.35	3.44	3.52	3.58	3.64	3.69	3.72	3.75	
	Q	40°C		6.96	7.78	8.94	10.45	12.29	14.48	17	19.86	23.05	26.56	30.41	34.59
	P			2.69	2.79	2.89	2.97	3.05	3.12	3.18	3.24	3.29	3.33	3.37	3.4
	Q	35°C		7.13	8.03	9.28	10.88	12.82	15.12	17.75	20.73	24.05	27.71		
	P			2.51	2.58	2.66	2.72	2.79	2.84	2.89	2.94	2.99	3.03		
	Q	30°C		7.36	8.35	9.69	11.39	13.44	15.85	18.61	21.72	25.18			
	P			2.35	2.41	2.46	2.51	2.56	2.61	2.65	2.69	2.73			
Q	25°C		7.66	8.73	10.17	11.98	14.15	16.68	19.58	22.83					
P			2.23	2.27	2.31	2.34	2.38	2.42	2.45	2.49					
Q	20°C		8.01	9.19	10.74	12.66	14.96	17.62	20.65						
P			2.14	2.16	2.18	2.21	2.23	2.26	2.3						

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WW72KE-TFD-GN1	Q	72°C								19.22	22.06	25.25	28.79	32.68	
	P								7.43	7.59	7.72	7.81	7.86		
	Q	70°C								19.32	22.19	25.41	28.98	32.89	
	P								7.14	7.29	7.41	7.49	7.53		
	Q	65°C						14.76	17.04	19.65	22.61	25.92	29.57	33.56	
	P							6.11	6.3	6.45	6.58	6.67	6.72	6.74	
	Q	60°C					12.99	15.02	17.4	20.12	23.18	26.58	30.32	34.4	
	P						5.35	5.54	5.69	5.82	5.92	5.99	6.02	6.03	
	Q	55°C				11.42	13.23	15.39	17.89	20.72	23.89	27.4	31.24	35.42	
	P					4.68	4.86	5.02	5.14	5.25	5.32	5.37	5.39	5.38	
	Q	50°C			10.01	11.63	13.58	15.87	18.5	21.45	24.75	28.37	32.33	36.62	
	P				4.09	4.27	4.41	4.54	4.65	4.73	4.78	4.82	4.83	4.81	
	Q	45°C		8.73	10.16	11.93	14.03	16.47	19.23	22.33	25.75	29.51	33.59	38.01	
	P			3.59	3.75	3.89	4.01	4.12	4.2	4.26	4.31	4.33	4.33	4.31	
	Q	40°C		7.52	8.79	10.39	12.33	14.59	17.18	20.09	23.34	26.91	30.81	35.03	39.57
	P			3.17	3.31	3.45	3.56	3.66	3.74	3.81	3.86	3.89	3.9	3.9	3.87
	Q	35°C		7.48	8.93	10.71	12.81	15.25	18	21.08	24.49	28.22	32.27		
	P			2.96	3.07	3.18	3.27	3.35	3.42	3.47	3.51	3.53	3.54		
	Q	30°C		7.49	9.14	11.11	13.4	16.01	18.95	22.21	25.78	29.68			
	P			2.78	2.87	2.95	3.03	3.09	3.14	3.18	3.21	3.23			
Q	25°C		7.57	9.42	11.59	14.08	16.89	20.02	23.46	27.22					
P			2.63	2.7	2.77	2.82	2.87	2.92	2.95	2.98					
Q	20°C		7.72	9.78	12.16	14.86	17.88	21.2	24.84						
P			2.52	2.57	2.62	2.66	2.71	2.74	2.78						
WW79KE-TFD-GN1	Q	72°C								20.98	24.06	27.51	31.33	35.54	
	P								8.16	8.33	8.47	8.56	8.61		
	Q	70°C								21.06	24.17	27.65	31.51	35.75	
	P									7.84	8	8.12	8.2	8.24	
	Q	65°C						16.09	18.56	21.39	24.59	28.15	32.1	36.41	
	P							6.71	6.91	7.07	7.2	7.3	7.36	7.38	
	Q	60°C					14.15	16.36	18.94	21.87	25.17	28.84	32.88	37.3	
	P						5.87	6.07	6.23	6.37	6.48	6.55	6.59	6.6	
	Q	55°C				12.44	14.42	16.76	19.45	22.51	25.93	29.71	33.87	38.39	
	P					5.14	5.32	5.49	5.62	5.73	5.82	5.87	5.9	5.9	
	Q	50°C			10.91	12.69	14.81	17.28	20.11	23.3	26.85	30.77	35.05	39.7	
	P				4.49	4.67	4.83	4.96	5.07	5.16	5.23	5.27	5.29	5.28	
	Q	45°C		9.51	11.1	13.03	15.3	17.93	20.91	24.25	27.94	32	36.43	41.22	
	P			3.95	4.11	4.25	4.38	4.49	4.58	4.66	4.71	4.74	4.75	4.74	
	Q	40°C		8.18	9.6	11.36	13.46	15.91	18.7	21.85	25.35	29.2	33.42	38.01	42.95
	P			3.49	3.64	3.77	3.89	3.99	4.08	4.15	4.21	4.26	4.28	4.29	4.28
	Q	35°C		8.15	9.75	11.7	13.99	16.62	19.59	22.92	26.6	30.63	35.02		
	P			3.26	3.37	3.47	3.57	3.65	3.72	3.79	3.84	3.88	3.9		
	Q	30°C		8.16	9.97	12.12	14.6	17.43	20.6	24.12	27.99	32.22			
	P			3.06	3.14	3.22	3.3	3.37	3.43	3.48	3.53	3.56			
Q	25°C		8.21	10.25	12.61	15.31	18.35	21.74	25.46	29.54					
P			2.89	2.96	3.02	3.08	3.13	3.19	3.24	3.28					
Q	20°C		8.32	10.58	13.18	16.11	19.38	22.98	26.94						
P			2.77	2.81	2.86	2.91	2.96	3	3.05						

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WW94KE-TFD-GN1	Q	72°C								24.67	28.29	32.35	36.85	41.79	
	P									9.6	9.8	9.96	10.07	10.13	
	Q	70°C								24.77	28.42	32.52	37.05	42.04	
	P									9.22	9.4	9.55	9.64	9.69	
	Q	65°C						18.93	21.82	25.15	28.91	33.11	37.74	42.82	
	P								7.89	8.12	8.32	8.47	8.58	8.65	8.68
	Q	60°C					16.64	19.24	22.27	25.72	29.6	33.91	38.67	43.86	
	P						6.91	7.14	7.33	7.49	7.62	7.7	7.75	7.76	
	Q	55°C				14.63	16.96	19.71	22.88	26.47	30.49	34.94	39.82	45.15	
	P					6.04	6.26	6.45	6.61	6.74	6.84	6.91	6.94	6.94	
	Q	50°C			12.83	14.92	17.41	20.32	23.65	27.4	31.58	36.18	41.22	46.69	
	P				5.28	5.49	5.68	5.83	5.97	6.07	6.15	6.2	6.22	6.21	
	Q	45°C		11.19	13.05	15.32	18	21.08	24.59	28.51	32.86	37.63	42.84	48.48	
	P			4.64	4.83	5	5.15	5.28	5.39	5.47	5.54	5.57	5.59	5.58	
	Q	40°C		9.62	11.29	13.36	15.83	18.7	21.99	25.69	29.81	34.34	39.3	44.69	50.51
	P			4.11	4.28	4.43	4.57	4.69	4.8	4.89	4.96	5.01	5.04	5.05	5.04
	Q	35°C		9.58	11.47	13.76	16.45	19.54	23.04	26.95	31.27	36.02	41.18		
	P			3.83	3.96	4.08	4.19	4.29	4.38	4.45	4.51	4.56	4.59		
	Q	30°C		9.59	11.72	14.25	17.17	20.5	24.23	28.37	32.92	37.89			
	P			3.59	3.7	3.79	3.88	3.96	4.03	4.09	4.15	4.19			
Q	25°C		9.66	12.05	14.83	18.01	21.58	25.56	29.94	34.74					
P			3.4	3.48	3.55	3.62	3.69	3.75	3.81	3.86					
Q	20°C		9.78	12.44	15.5	18.94	22.78	27.03	31.67						
P			3.25	3.31	3.36	3.42	3.48	3.53	3.59						
WW108KE-TFD-GN1	Q	72°C								28.69	32.9	37.62	42.85	48.61	
	P								11.16	11.4	11.58	11.71	11.78		
	Q	70°C								28.81	33.06	37.82	43.09	48.89	
	P									10.72	10.94	11.1	11.22	11.27	
	Q	65°C						22.01	25.38	29.25	33.62	38.5	43.89	49.8	
	P							9.17	9.45	9.67	9.85	9.98	10.06	10.1	
	Q	60°C					19.35	22.38	25.9	29.91	34.42	39.44	44.97	51.01	
	P						8.03	8.3	8.53	8.71	8.86	8.96	9.01	9.03	
	Q	55°C				17.02	19.73	22.92	26.61	30.78	35.46	40.63	46.32	52.51	
	P					7.02	7.28	7.5	7.69	7.84	7.96	8.03	8.07	8.07	
	Q	50°C			14.93	17.35	20.25	23.64	27.51	31.87	36.72	42.08	47.93	54.3	
	P				6.15	6.39	6.6	6.78	6.94	7.06	7.15	7.21	7.23	7.22	
	Q	45°C		13.01	15.18	17.81	20.93	24.52	28.6	33.16	38.22	43.77	49.82	56.38	
	P			5.4	5.62	5.82	5.99	6.14	6.27	6.37	6.44	6.48	6.5	6.48	
	Q	40°C		11.19	13.13	15.54	18.41	21.75	25.57	29.88	34.66	39.94	45.71	51.98	58.74
	P			4.78	4.97	5.15	5.31	5.46	5.58	5.68	5.76	5.82	5.86	5.87	5.86
	Q	35°C		11.14	13.34	16	19.13	22.72	26.79	31.34	36.37	41.89	47.9		
	P			4.45	4.61	4.75	4.88	4.99	5.09	5.18	5.25	5.3	5.33		
	Q	30°C		11.16	13.63	16.57	19.97	23.84	28.18	32.99	38.28	44.06			
	P			4.18	4.3	4.41	4.51	4.6	4.69	4.76	4.82	4.87			
Q	25°C		11.23	14.01	17.25	20.94	25.1	29.72	34.82	40.4					
P			3.96	4.04	4.13	4.21	4.29	4.36	4.43	4.49					
Q	20°C		11.37	14.47	18.02	22.03	26.5	31.43	36.84						
P			3.79	3.85	3.91	3.97	4.04	4.11	4.18						

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WW125KE-TFD-GN1	Q	72°C								32.26	37	42.3	48.19	54.66	
	P								12.55	12.82	13.02	13.17	13.24		
	Q	70°C								32.39	37.18	42.53	48.46	54.98	
	P								12.05	12.3	12.49	12.61	12.68		
	Q	65°C						24.75	28.54	32.89	37.81	43.3	49.36	56	
	P							10.32	10.62	10.88	11.08	11.22	11.32	11.35	
	Q	60°C					21.76	25.17	29.12	33.64	38.71	44.36	50.57	57.36	
	P						9.03	9.33	9.59	9.8	9.96	10.07	10.14	10.15	
	Q	55°C				19.14	22.18	25.78	29.92	34.62	39.87	45.7	52.09	59.05	
	P					7.9	8.19	8.44	8.65	8.82	8.95	9.03	9.08	9.07	
	Q	50°C			16.79	19.51	22.78	26.58	30.93	35.84	41.3	47.32	53.91	61.06	
	P				6.91	7.18	7.42	7.63	7.8	7.94	8.04	8.11	8.13	8.12	
	Q	45°C		14.63	17.07	20.03	23.54	27.58	32.16	37.29	42.98	49.22	56.03	63.4	
	P			6.07	6.32	6.54	6.74	6.91	7.05	7.16	7.24	7.29	7.31	7.29	
	Q	40°C		12.59	14.77	17.47	20.7	24.46	28.76	33.6	38.98	44.92	51.4	58.45	66.06
	P			5.37	5.59	5.8	5.98	6.14	6.27	6.39	6.48	6.55	6.59	6.6	6.59
	Q	35°C		12.53	15	17.99	21.51	25.55	30.13	35.25	40.9	47.11	53.86		
	P			5.01	5.18	5.34	5.49	5.62	5.73	5.82	5.9	5.96	6		
	Q	30°C		12.55	15.33	18.64	22.46	26.81	31.69	37.1	43.05	49.55			
	P			4.7	4.83	4.96	5.07	5.18	5.27	5.35	5.42	5.48			
Q	25°C		12.63	15.76	19.39	23.55	28.22	33.43	39.16	45.43					
P			4.45	4.55	4.64	4.73	4.82	4.9	4.98	5.05					
Q	20°C		12.79	16.27	20.27	24.77	29.8	35.35	41.43						
P			4.26	4.32	4.4	4.47	4.55	4.62	4.7						
WW138KE-TFD-GN1	Q	72°C								37.06	42.5	48.59	55.36	62.79	
	P								14.42	14.72	14.96	15.12	15.21		
	Q	70°C								37.21	42.7	48.86	55.67	63.15	
	P									13.85	14.13	14.34	14.49	14.56	
	Q	65°C						28.43	32.79	37.79	43.44	49.74	56.7	64.33	
	P							11.85	12.2	12.49	12.72	12.89	13	13.04	
	Q	60°C					25	28.91	33.45	38.64	44.47	50.95	58.09	65.89	
	P						10.38	10.72	11.01	11.26	11.44	11.57	11.64	11.66	
	Q	55°C				21.98	25.48	29.61	34.37	39.77	45.8	52.49	59.83	67.83	
	P					9.07	9.41	9.69	9.94	10.13	10.28	10.38	10.43	10.42	
	Q	50°C			19.28	22.41	26.16	30.53	35.53	41.17	47.44	54.36	61.92	70.14	
	P				7.94	8.25	8.53	8.76	8.96	9.12	9.24	9.31	9.34	9.33	
	Q	45°C		16.81	19.61	23.01	27.04	31.68	36.94	42.84	49.37	56.54	64.36	72.83	
	P			6.97	7.26	7.51	7.74	7.94	8.1	8.23	8.32	8.38	8.39	8.38	
	Q	40°C		14.46	16.96	20.07	23.78	28.1	33.04	38.59	44.78	51.59	59.05	67.14	75.89
	P			6.17	6.43	6.66	6.86	7.05	7.21	7.34	7.45	7.52	7.57	7.58	7.57
	Q	35°C		14.39	17.23	20.67	24.71	29.35	34.61	40.49	46.99	54.11	61.87		
	P			5.75	5.95	6.14	6.3	6.45	6.58	6.69	6.78	6.85	6.89		
	Q	30°C		14.41	17.61	21.41	25.8	30.8	36.4	42.62	49.46	56.92			
	P			5.4	5.55	5.69	5.83	5.95	6.05	6.15	6.23	6.3			
Q	25°C		14.51	18.1	22.28	27.05	32.42	38.4	44.99	52.19					
P			5.11	5.22	5.33	5.44	5.54	5.63	5.72	5.8					
Q	20°C		14.69	18.69	23.28	28.46	34.23	40.61	47.59						
P			4.89	4.97	5.05	5.13	5.22	5.31	5.4						

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C							
WW154KE-TFD-GN1	Q	72°C								40.6	46.55	53.23	60.64	68.78							
	P									15.79	16.13	16.39	16.57	16.66							
	Q	70°C								40.76	46.78	53.52	60.98	69.18							
	P									15.17	15.48	15.71	15.87	15.95							
	Q	65°C							31.14	35.91	41.39	47.58	54.48	62.11	70.47						
	P								12.98	13.37	13.68	13.94	14.12	14.24	14.29						
	Q	60°C							27.39	31.67	36.64	42.32	48.71	55.81	63.63	72.18					
	P								11.37	11.74	12.07	12.33	12.53	12.67	12.76	12.77					
	Q	55°C							24.08	27.91	32.44	37.65	43.56	50.17	57.5	65.54	74.3				
	P								9.94	10.3	10.62	10.88	11.1	11.26	11.37	11.42	11.42				
	Q	50°C							21.12	24.55	28.66	33.45	38.92	45.09	51.96	59.54	67.83	76.83			
	P								8.7	9.04	9.34	9.6	9.82	9.99	10.12	10.2	10.23	10.22			
	Q	45°C								18.41	21.48	25.21	29.61	34.7	40.47	46.92	54.08	61.93	70.5	79.78	
	P									7.64	7.95	8.23	8.48	8.69	8.87	9.01	9.11	9.17	9.2	9.17	
	Q	40°C								15.84	18.58	21.98	26.05	30.78	36.19	42.28	49.05	56.52	64.68	73.55	83.13
	P									6.76	7.04	7.29	7.52	7.72	7.89	8.04	8.16	8.24	8.29	8.31	8.29
	Q	35°C								15.76	18.88	22.64	27.07	32.15	37.91	44.35	51.47	59.27	67.77		
	P									6.3	6.52	6.72	6.9	7.07	7.21	7.33	7.43	7.5	7.55		
	Q	30°C								15.79	19.29	23.45	28.26	33.73	39.87	46.68	54.17	62.35			
	P									5.92	6.08	6.24	6.38	6.51	6.63	6.74	6.83	6.9			
Q	25°C								15.9	19.83	24.4	29.63	35.51	42.06	49.28	57.17					
P									5.6	5.72	5.84	5.95	6.06	6.17	6.26	6.35					
Q	20°C								16.1	20.48	25.5	31.17	37.5	44.48	52.13						
P									5.36	5.44	5.53	5.62	5.72	5.82	5.91						
WW170KE-TFD-GN1	Q	72°C								48.35	55.44	63.39	72.21	81.91							
	P								18.81	19.21	19.51	19.73	19.85								
	Q	70°C								48.54	55.71	63.73	72.62	82.38							
	P									18.06	18.43	18.71	18.9	19							
	Q	65°C								37.09	42.77	49.29	56.66	64.88	73.97	83.92					
	P									15.46	15.92	16.3	16.6	16.82	16.96	17.01					
	Q	60°C								32.61	37.71	43.64	50.4	58.01	66.47	75.78	85.96				
	P									13.54	13.99	14.37	14.68	14.92	15.09	15.19	15.21				
	Q	55°C								28.68	33.24	38.63	44.84	51.87	59.75	68.48	78.05	88.48			
	P									11.84	12.27	12.64	12.96	13.22	13.41	13.54	13.6	13.6			
	Q	50°C								25.15	29.24	34.13	39.83	46.35	53.7	61.88	70.91	80.78	91.5		
	P									10.36	10.76	11.12	11.43	11.69	11.9	12.05	12.15	12.19	12.17		
	Q	45°C								21.92	25.58	30.02	35.27	41.32	48.19	55.88	64.4	73.76	83.96	95.01	
	P									9.1	9.47	9.8	10.1	10.35	10.56	10.73	10.85	10.93	10.95	10.93	
	Q	40°C								18.86	22.13	26.18	31.02	36.66	43.1	50.35	58.41	67.31	77.03	87.59	98.99
	P									8.05	8.38	8.68	8.96	9.2	9.4	9.58	9.71	9.81	9.87	9.89	9.87
	Q	35°C								18.77	22.48	26.96	32.23	38.29	45.15	52.82	61.29	70.59	80.71		
	P									7.51	7.77	8	8.22	8.41	8.58	8.73	8.84	8.93	8.99		
	Q	30°C								18.8	22.98	27.93	33.66	40.17	47.48	55.6	64.52	74.25			
	P									7.05	7.24	7.43	7.6	7.76	7.9	8.02	8.13	8.21			
Q	25°C								18.93	23.61	29.06	35.29	42.29	50.09	58.68	68.08					
P									6.67	6.81	6.95	7.09	7.22	7.35	7.46	7.56					
Q	20°C								19.17	24.39	30.37	37.12	44.65	52.97	62.08						
P									6.38	6.48	6.59	6.7	6.81	6.93	7.04						

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C							
WW250KE-TWD-GN1	Q	72°C								63.13	72.39	82.77	94.29	106.95							
	P								24.56	25.08	25.48	25.76	25.91								
	Q	70°C								63.39	72.74	83.22	94.83	107.57							
	P									23.58	24.07	24.43	24.68	24.81							
	Q	65°C							48.43	55.85	64.36	73.99	84.72	96.59	109.58						
	P								20.18	20.78	21.28	21.67	21.96	22.14	22.21						
	Q	60°C							42.58	49.24	56.98	65.81	75.75	86.79	98.95	112.24					
	P								17.67	18.26	18.76	19.17	19.49	19.71	19.83	19.86					
	Q	55°C							37.44	43.41	50.44	58.54	67.74	78.02	89.41	101.91	115.54				
	P								15.45	16.02	16.51	16.92	17.26	17.51	17.68	17.76	17.75				
	Q	50°C							32.84	38.18	44.56	52.01	60.53	70.12	80.8	92.59	105.47	119.48			
	P								13.52	14.05	14.52	14.93	15.27	15.54	15.73	15.86	15.91	15.89			
	Q	45°C							28.63	33.39	39.2	46.05	53.96	62.93	72.97	84.09	96.31	109.63	124.05		
	P								11.88	12.36	12.8	13.19	13.52	13.79	14.01	14.17	14.27	14.3	14.27		
	Q	40°C							24.63	28.89	34.18	40.5	47.86	56.27	65.74	76.27	87.88	100.58	114.37	129.26	
	P								10.52	10.95	11.34	11.69	12.01	12.28	12.5	12.68	12.81	12.89	12.92	12.89	
	Q	35°C								24.51	29.35	35.21	42.09	50	58.96	68.96	80.03	92.17	105.39		
	P									9.8	10.14	10.45	10.73	10.99	11.21	11.4	11.55	11.66	11.74		
	Q	30°C								24.55	30	36.46	43.95	52.46	62	72.59	84.24	96.95			
	P									9.2	9.46	9.7	9.92	10.13	10.31	10.48	10.61	10.72			
Q	25°C								24.72	30.83	37.95	46.08	55.23	65.41	76.63	88.9					
P									8.71	8.9	9.08	9.26	9.43	9.59	9.74	9.88					
Q	20°C								25.03	31.84	39.66	48.47	58.31	69.17	81.06						
P									8.33	8.46	8.6	8.75	8.89	9.04	9.19						
WW300KE-TWD-GN1	Q	72°C								77.7	89.09	101.87	116.05	131.63							
	P								30.23	30.87	31.36	31.7	31.89								
	Q	70°C								78.01	89.53	102.42	116.71	132.4							
	P									29.03	29.62	30.07	30.38	30.53							
	Q	65°C								59.61	68.74	79.22	91.06	104.27	118.87	134.87					
	P									24.84	25.58	26.19	26.68	27.03	27.25	27.34					
	Q	60°C								52.41	60.61	70.13	81	93.23	106.82	121.78	138.14				
	P									21.75	22.48	23.09	23.6	23.98	24.26	24.41	24.45				
	Q	55°C								46.08	53.42	62.08	72.05	83.37	96.03	110.04	125.43	142.2			
	P									19.02	19.72	20.32	20.83	21.24	21.55	21.75	21.86	21.85			
	Q	50°C								40.42	46.99	54.85	64.01	74.49	86.3	99.45	113.95	129.81	147.05		
	P									16.64	17.3	17.88	18.37	18.79	19.12	19.37	19.52	19.58	19.55		
	Q	45°C								35.23	41.1	48.25	56.68	66.41	77.45	89.81	103.5	118.54	134.93	152.68	
	P									14.62	15.22	15.75	16.23	16.64	16.98	17.24	17.44	17.56	17.6	17.56	
	Q	40°C								30.31	35.56	42.07	49.85	58.91	69.26	80.91	93.87	108.16	123.79	140.76	159.09
	P									12.94											

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	20°C	25°C	30°C
WW28KP-TFD-GN1	Q	65°C						6.99	7.91	9.04	10.42	12.09	14.09	16.46
	P							2.76	2.73	2.71	2.68	2.66	2.64	2.62
	Q	60°C					6.22	7.02	8.01	9.21	10.68	12.45	14.56	17.06
	P						2.50	2.48	2.46	2.44	2.42	2.40	2.38	2.37
	Q	55°C				5.53	6.24	7.10	8.15	9.43	10.99	12.86	15.09	17.72
	P					2.25	2.24	2.22	2.21	2.19	2.17	2.16	2.15	2.14
	Q	50°C			4.90	5.53	6.29	7.21	8.33	9.70	11.35	13.33	15.68	18.43
	P				2.02	2.01	2.00	1.99	1.98	1.96	1.95	1.94	1.93	1.92
	Q	45°C		4.32	4.90	5.58	6.38	7.37	8.56	10.01	11.76	13.85	16.32	19.20
	P			1.80	1.80	1.80	1.79	1.78	1.77	1.76	1.75	1.74	1.73	1.73
	Q	40°C	3.78	4.33	4.94	5.66	6.52	7.56	8.84	10.38	12.23	14.43	17.02	
	P		1.60	1.61	1.61	1.60	1.60	1.59	1.58	1.57	1.57	1.56	1.56	
	Q	35°C	3.80	4.37	5.01	5.77	6.69	7.80	9.16	10.79	12.74	15.06		
	P		1.43	1.44	1.44	1.44	1.43	1.42	1.42	1.41	1.41	1.40		
	Q	30°C	3.84	4.44	5.12	5.93	6.90	8.09	9.52	11.25	13.31			
	P		1.28	1.29	1.29	1.29	1.28	1.28	1.27	1.27				
	Q	25°C	3.92	4.54	5.26	6.12	7.16	8.42	9.94	11.77				
	P		1.16	1.17	1.17	1.17	1.17	1.16	1.16	1.15				
	Q	20°C	4.03	4.68	5.44	6.36	7.46	8.80	10.41					
	P		1.07	1.07	1.07	1.07	1.07	1.07	1.06					
Q	15°C	4.17	4.86	5.66	6.63	7.81	9.22							
P		1.00	1.00	1.00	1.00	1.00	0.99							
Q	10°C	4.35	5.07	5.93	6.96	8.20								
P		0.95	0.96	0.96	0.96	0.95								
WW34KP-TFD-GN1	Q	65°C						8.45	9.56	10.93	12.6	14.62	17.04	19.92
	P						3.33	3.3	3.27	3.24	3.21	3.19	3.17	
	Q	60°C					7.52	8.49	9.69	11.14	12.92	15.06	17.62	20.64
	P						3.02	3	2.97	2.95	2.92	2.9	2.88	2.87
	Q	55°C				6.68	7.54	8.58	9.86	11.41	13.3	15.56	18.26	21.43
	P					2.72	2.71	2.69	2.67	2.65	2.63	2.61	2.6	2.59
	Q	50°C			5.93	6.69	7.61	8.72	10.08	11.74	13.73	16.13	18.97	22.3
	P				2.44	2.43	2.42	2.41	2.39	2.37	2.36	2.35	2.33	2.33
	Q	45°C		5.23	5.93	6.75	7.72	8.91	10.36	12.11	14.23	16.76	19.74	23.23
	P			2.18	2.18	2.17	2.16	2.15	2.14	2.13	2.11	2.1	2.1	2.1
	Q	40°C	4.57	5.24	5.98	6.84	7.88	9.15	10.69	12.55	14.79	17.45	20.58	
	P		1.94	1.94	1.94	1.94	1.93	1.92	1.91	1.9	1.89	1.89	1.88	
	Q	35°C	4.59	5.28	6.06	6.98	8.09	9.44	11.08	13.05	15.41	18.21		
	P		1.73	1.74	1.74	1.74	1.73	1.72	1.72	1.71	1.7	1.7		
	Q	30°C	4.65	5.37	6.19	7.17	8.35	9.78	11.52	13.61	16.1			
	P		1.55	1.56	1.56	1.56	1.56	1.55	1.54	1.54	1.53			
	Q	25°C	4.74	5.5	6.37	7.4	8.66	10.19	12.03	14.23				
	P		1.4	1.41	1.42	1.42	1.41	1.41	1.4	1.39				
	Q	20°C	4.88	5.66	6.59	7.69	9.03	10.64	12.59					
	P		1.29	1.3	1.3	1.3	1.3	1.29	1.28					
Q	15°C	5.05	5.88	6.85	8.03	9.44	11.16							
P		1.21	1.21	1.21	1.21	1.21	1.2							
Q	10°C	5.26	6.13	7.17	8.41	9.92								
P		1.15	1.16	1.16	1.16	1.15								

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 superheating 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	20°C	25°C	30°C
WW48KP-TFD-GN1	Q	65°C						12.52	14.16	16.18	18.65	21.65	25.24	29.49
	P						4.88	4.84	4.79	4.74	4.69	4.64	4.59	
	Q	60°C					11.13	12.56	14.32	16.48	19.11	22.28	26.07	30.55
	P						4.42	4.38	4.35	4.31	4.27	4.23	4.18	4.14
	Q	55°C				9.89	11.14	12.68	14.56	16.87	19.66	23.02	27.01	31.71
	P					3.98	3.96	3.93	3.9	3.86	3.83	3.8	3.76	3.73
	Q	50°C			8.77	9.89	11.24	12.88	14.89	17.34	20.31	23.85	28.05	32.98
	P				3.57	3.55	3.53	3.51	3.49	3.46	3.43	3.41	3.38	3.36
	Q	45°C		7.74	8.77	9.96	11.4	13.16	15.31	17.91	21.05	24.79	29.2	34.36
	P			3.2	3.18	3.17	3.15	3.13	3.11	3.09	3.07	3.05	3.04	3.02
	Q	40°C	6.8	7.75	8.83	10.11	11.65	13.52	15.81	18.57	21.88	25.82	30.45	
	P		2.86	2.85	2.84	2.83	2.81	2.8	2.78	2.77	2.75	2.74	2.73	
	Q	35°C	6.82	7.83	8.97	10.32	11.97	13.96	16.39	19.32	22.82	26.96		
	P		2.55	2.54	2.54	2.53	2.52	2.51	2.5	2.48	2.47	2.46		
	Q	30°C	6.91	7.96	9.17	10.61	12.36	14.49	17.06	20.16	23.84			
	P		2.29	2.29	2.28	2.27	2.26	2.26	2.25	2.24	2.23			
	Q	25°C	7.05	8.16	9.44	10.97	12.84	15.09	17.82	21.09				
	P		2.08	2.07	2.07	2.06	2.05	2.05	2.04	2.03				
	Q	20°C	7.26	8.41	9.77	11.41	13.39	15.78	18.67					
	P		1.91	1.91	1.9	1.89	1.89	1.88	1.88					
Q	15°C	7.52	8.74	10.18	11.91	14.01	16.55							
P		1.79	1.78	1.78	1.77	1.76	1.76							
Q	10°C	7.83	9.12	10.65	12.49	14.72								
P		1.72	1.71	1.7	1.69	1.68								
WW61KP-TFD-GN1	Q	65°C						17.19	19.18	21.53	24.32	27.64	31.57	36.2
	P						6.25	6.27	6.3	6.33	6.36	6.39	6.42	
	Q	60°C					15.39	17.21	19.36	21.9	24.94	28.54	32.79	37.79
	P						5.6	5.62	5.63	5.64	5.65	5.66	5.67	5.68
	Q	55°C				13.68	15.36	17.31	19.63	22.39	25.68	29.58	34.17	39.54
	P					5.01	5.03	5.04	5.05	5.05	5.04	5.03	5.02	5
	Q	50°C			12.07	13.62	15.39	17.49	19.99	22.98	26.54	30.75	35.7	41.48
	P				4.47	4.5	4.52	4.52	4.52	4.51	4.49	4.46	4.43	4.39
	Q	45°C		10.56	11.99	13.6	15.5	17.76	20.46	23.69	27.54	32.08	37.4	43.58
	P			3.97	4.02	4.04	4.06	4.06	4.04	4.02	3.99	3.95	3.9	3.85
	Q	40°C	9.15	10.47	11.94	13.64	15.67	18.1	21.02	24.52	28.66	33.55	39.25	
	P		3.49	3.56	3.6	3.63	3.65	3.64	3.62	3.59	3.55	3.5	3.44	
	Q	35°C	9.05	10.39	11.93	13.74	15.92	18.54	21.69	25.45	29.92	35.16		
	P		3.11	3.19	3.24	3.27	3.28	3.28	3.26	3.22	3.17	3.11		
	Q	30°C	8.97	10.35	11.96	13.89	16.23	19.06	22.46	26.51	31.31			
	P		2.78	2.86	2.92	2.96	2.97	2.97	2.94	2.9	2.85			
	Q	25°C	8.9	10.33	12.03	14.1	16.62	19.67	23.33	27.69				
	P		2.49	2.58	2.65	2.69	2.71	2.71	2.68	2.64				
	Q	20°C	8.84	10.33	12.15	14.37	17.08	20.36	24.3					
	P		2.24	2.34	2.42	2.47	2.5	2.5	2.48					
Q	15°C	8.8	10.37	12.31	14.7	17.62	21.15							
P		2.03	2.15	2.24	2.3	2.33	2.34							
Q	10°C	8.77	10.44	12.52	15.09	18.23								
P		1.86	1.99	2.1	2.17	2.21								

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 superheating 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	20°C	25°C	30°C	
WW72KP-TFD-GN1	Q	65°C						18.05	20.14	22.61	25.54	29.03	33.15	38.01	
	P							6.56	6.59	6.62	6.64	6.67	6.71	6.74	
	Q	60°C					16.16	18.07	20.33	23	26.19	29.97	34.44	39.68	
	P						5.88	5.9	5.91	5.93	5.94	5.95	5.96		
	Q	55°C				14.37	16.13	18.18	20.61	23.51	26.96	31.06	35.88	41.52	
	P					5.26	5.28	5.3	5.3	5.29	5.28	5.27	5.26		
	Q	50°C			12.68	14.3	16.17	18.37	21	24.13	27.87	32.29	37.49	43.55	
	P				4.7	4.73	4.74	4.75	4.74	4.73	4.71	4.68	4.65	4.61	
	Q	45°C		11.09	12.59	14.28	16.28	18.65	21.48	24.88	28.92	33.68	39.27	45.76	
	P			4.17	4.22	4.25	4.26	4.25	4.22	4.19	4.15	4.1	4.04		
	Q	40°C		9.61	10.99	12.53	14.33	16.46	19.01	22.08	25.74	30.1	35.23	41.22	
	P			3.67	3.74	3.78	3.82	3.83	3.82	3.81	3.77	3.73	3.67	3.61	
	Q	35°C		9.51	10.91	12.52	14.43	16.71	19.47	22.78	26.73	31.42	36.92		
	P			3.27	3.35	3.4	3.44	3.45	3.44	3.42	3.38	3.33	3.26		
	Q	30°C		9.42	10.86	12.56	14.59	17.04	20.01	23.58	27.84	32.87			
	P			2.92	3.01	3.07	3.11	3.12	3.12	3.09	3.05	2.99			
	Q	25°C		9.35	10.84	12.63	14.81	17.45	20.65	24.5	29.07				
	P			2.61	2.71	2.78	2.83	2.85	2.84	2.82	2.77				
	Q	20°C		9.28	10.85	12.76	15.09	17.93	21.38	25.52					
	P			2.35	2.46	2.54	2.6	2.62	2.6						
Q	15°C		9.24	10.89	12.93	15.43	18.5	22.21							
P			2.13	2.25	2.35	2.41	2.45	2.45							
Q	10°C		9.21	10.97	13.15	15.84	19.14								
P			1.95	2.09	2.2	2.28	2.32								
WW81KP-TFD-GN1	Q	65°C						21.22	23.81	26.89	30.55	34.83	39.83	45.6	
	P						8.02	8.02	8.05	8.1	8.17	8.28	8.42		
	Q	60°C					18.89	21.2	23.98	27.28	31.18	35.75	41.06	47.17	
	P						7.18	7.17	7.18	7.2	7.24	7.3	7.39	7.51	
	Q	55°C				16.76	18.82	21.3	24.27	27.8	31.96	36.82	42.45	48.92	
	P					6.41	6.4	6.39	6.4	6.42	6.45	6.5	6.57	6.67	
	Q	50°C			14.84	16.65	18.85	21.51	24.68	28.45	32.88	38.05	44.01	50.85	
	P				5.69	5.69	5.69	5.69	5.7	5.71	5.73	5.77	5.83	5.9	
	Q	45°C		13.1	14.69	16.63	18.98	21.82	25.22	29.23	33.95	39.42	45.74	52.95	
	P			5.02	5.04	5.05	5.06	5.06	5.07	5.08	5.09	5.12	5.16	5.21	
	Q	40°C		11.55	12.93	14.63	16.7	19.21	22.25	25.87	30.15	35.16	40.96	47.63	
	P			4.38	4.42	4.46	4.48	4.49	4.5	4.51	4.51	4.52	4.54	4.56	
	Q	35°C		11.37	12.84	14.64	16.85	19.55	22.79	26.65	31.2	36.51	42.65		
	P			3.83	3.9	3.95	3.99	4.01	4.02	4.03	4.03	4.03	4.03		
	Q	30°C		11.25	12.81	14.73	17.1	19.98	23.44	27.56	32.39	38.01			
	P			3.36	3.45	3.52	3.57	3.6	3.61	3.62	3.62	3.61			
	Q	25°C		11.2	12.85	14.91	17.44	20.52	24.21	28.59	33.71				
	P			2.97	3.08	3.16	3.22	3.26	3.28						
	Q	20°C		11.2	12.97	15.17	17.88	21.17	25.1	29.74					
	P			2.65	2.78	2.88	2.95	3	3.02	3.03					
Q	15°C		11.26	13.16	15.51	18.41	21.92	26.1							
P			2.41	2.56	2.67	2.76	2.81	2.84							
Q	10°C		11.39	13.42	15.94	19.04	22.77								
P			2.24	2.41	2.54	2.64	2.7								

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 superheating 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	20°C	25°C	30°C	
WW94KP-TFD-GN1	Q	65°C						24.68	27.69	31.28	35.53	40.52	46.33	53.04	
	P						9.33	9.33	9.36	9.42	9.51	9.63	9.79		
	Q	60°C					21.97	24.67	27.89	31.73	36.27	41.59	47.76	54.87	
	P						8.35	8.34	8.35	8.37	8.42	8.49	8.6	8.73	
	Q	55°C				19.5	21.89	24.78	28.23	32.34	37.18	42.83	49.38	56.91	
	P					7.45	7.44	7.44	7.44	7.46	7.5	7.56	7.65	7.76	
	Q	50°C			17.26	19.37	21.93	25.02	28.71	33.09	38.25	44.25	51.19	59.15	
	P				6.62	6.62	6.62	6.62	6.63	6.64	6.67	6.72	6.78	6.87	
	Q	45°C		15.24	17.09	19.34	22.08	25.38	29.33	34	39.49	45.86	53.2	61.59	
	P			5.84	5.86	5.87	5.88	5.89	5.89	5.9	5.92	5.95	6	6.06	
	Q	40°C		13.43	15.04	17.01	19.42	22.35	25.88	30.09	35.07	40.89	47.64	55.4	
	P			5.09	5.15	5.19	5.21	5.23	5.24	5.24	5.25	5.26	5.28	5.31	
	Q	35°C		13.23	14.93	17.03	19.6	22.74	26.51	31	36.29	42.47	49.61		
	P			4.46	4.54	4.6	4.64	4.66	4.68	4.68	4.69	4.69	4.69		
	Q	30°C		13.09	14.9	17.14	19.89	23.24	27.27	32.05	37.67	44.22			
	P			3.91	4.01	4.09	4.15	4.18	4.2	4.21	4.21	4.2			
	Q	25°C		13.02	14.95	17.35	20.29	23.87	28.16	33.25	39.22				
	P			3.45	3.58	3.68	3.75	3.79	3.81	3.82	3.81				
	Q	20°C		13.03	15.08	17.65	20.8	24.62	29.19	34.6					
	P			3.08	3.23	3.35	3.43	3.49	3.52	3.52					
Q	15°C		13.1	15.3	18.05	21.42	25.49	30.36							
P			2.8	2.98	3.11	3.21	3.27	3.3							
Q	10°C		13.25	15.61	18.54	22.14	26.49								
P			2.61	2.81	2.96	3.07	3.14								
WW108KP-TFD-GN1	Q	65°C						27.18	30.5	34.45	39.13	44.63	51.02	58.42	
	P						10.27	10.28	10.31	10.38	10.47	10.61	10.78		
	Q	60°C					24.2	27.17	30.72	34.95	39.95	45.8	52.6	60.43	
	P						9.2	9.19	9.19	9.22	9.27	9.35	9.47	9.62	
	Q	55°C				21.48	24.11	27.29	31.09	35.61	40.94	47.17	54.39	62.68	
	P					8.21	8.2	8.19	8.2	8.22	8.26	8.33	8.42	8.54	
	Q	50°C			19.01	21.33	24.15	27.55	31.62	36.45	42.12	48.74	56.38	65.14	
	P				7.29	7.29	7.29	7.29	7.3	7.31	7.35	7.4	7.47	7.56	
	Q	45°C		16.78	18.82	21.3	24.32	27.96	32.3	37.45	43.49	50.51	58.59	67.84	
	P			6.43	6.46	6.47	6.48	6.48	6.49	6.5	6.52	6.56	6.61	6.68	
	Q	40°C		14.79	16.57	18.74	21.39	24.61	28.5	33.14	38.62	45.04	52.47	61.01	
	P			5.61	5.67	5.71	5.74	5.76	5.77	5.78	5.78	5.79	5.81	5.84	
	Q	35°C		14.57	16.44	18.76	21.59	25.04	29.2	34.14	39.97	46.77	54.64		
	P			4.91	5	5.06	5.11	5.13	5.15	5.16	5.16	5.16			
	Q	30°C		14.42	16.41	18.88	21.91	25.6	30.03	35.3	41.49	48.7			
	P			4.31	4.42	4.51	4.57	4.61	4.63	4.64	4.63	4.62			
	Q	25°C		14.34	16.46	19.1	22.35	26.29	31.02	36.62	43.19				
	P			3.8	3.94	4.05	4.13	4.17	4.2	4.21	4.2				
	Q	20°C		14.35	16.61	19.44	22.91	27.12	32.15	38.1					
	P			3.4	3.56	3.69	3.78	3.84	3.87	3.88					
Q	15°C		14.43	16.85	19.88	23.59	28.08	33.43							
P			3.08	3.28	3.42	3.53	3.6	3.64							
Q	10°C		14.59	17.19	20.42	24.39	29.17								
P			2.87	3.09	3.26	3.38	3.46								

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 superheating 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	20°C	25°C	30°C
WW120KP-TFD-GN1	Q	65°C						30.78	34.54	39.02	44.32	50.54	57.78	66.15
	P							11.63	11.64	11.68	11.75	11.86	12.01	12.21
	Q	60°C					27.4	30.76	34.79	39.58	45.24	51.87	59.57	68.44
	P						10.41	10.4	10.41	10.44	10.5	10.59	10.72	10.89
	Q	55°C				24.32	27.31	30.9	35.21	40.33	46.37	53.42	61.59	70.98
	P					9.3	9.28	9.28	9.28	9.31	9.36	9.43	9.54	9.68
	Q	50°C			21.52	24.16	27.35	31.2	35.81	41.28	47.7	55.2	63.85	73.77
	P				8.26	8.26	8.25	8.26	8.26	8.28	8.32	8.38	8.46	8.57
	Q	45°C		19	21.31	24.13	27.54	31.66	36.58	42.41	49.25	57.2	66.35	76.82
	P			7.28	7.31	7.33	7.33	7.34	7.35	7.36	7.39	7.43	7.48	7.56
	Q	40°C		16.75	18.76	21.22	24.22	27.88	32.28	37.53	43.74	51	59.42	69.1
	P			6.35	6.42	6.47	6.5	6.52	6.53	6.54	6.55	6.56	6.58	6.62
	Q	35°C		16.5	18.62	21.24	24.45	28.36	33.06	38.66	45.27	52.97	61.87	
	P			5.56	5.66	5.73	5.78	5.81	5.83	5.84	5.84	5.85		
	Q	30°C		16.33	18.58	21.38	24.81	28.99	34.01	39.98	46.99	55.15		
	P			4.88	5.01	5.1	5.17	5.22	5.24	5.25	5.25	5.23		
	Q	25°C		16.24	18.65	21.63	25.31	29.77	35.13	41.47	48.91			
	P			4.31	4.47	4.59	4.67	4.73	4.76	4.77	4.76			
	Q	20°C		16.25	18.81	22.01	25.94	30.71	36.41	43.15				
	P			3.84	4.03	4.18	4.28	4.35	4.38	4.39				
Q	15°C		16.34	19.09	22.51	26.71	31.8	37.86						
P			3.49	3.71	3.88	4	4.08	4.12						
Q	10°C		16.53	19.47	23.13	27.62	33.04							
P			3.25	3.5	3.69	3.83	3.92							
WW144KP-TFD-GN1	Q	65°C						34.11	38.27	43.23	49.1	56	64.03	73.3
	P							12.89	12.9	12.94	13.02	13.14	13.31	13.53
	Q	60°C					30.36	34.09	38.55	43.86	50.13	57.47	66	75.83
	P						11.54	11.53	11.54	11.57	11.64	11.74	11.88	12.07
	Q	55°C				26.95	30.26	34.24	39.01	44.69	51.38	59.19	68.24	78.65
	P					10.3	10.28	10.28	10.29	10.32	10.37	10.45	10.57	10.72
	Q	50°C			23.85	26.77	30.31	34.57	39.68	45.73	52.86	61.16	70.75	81.74
	P				9.15	9.15	9.15	9.15	9.16	9.18	9.22	9.28	9.37	9.49
	Q	45°C		21.06	23.62	26.73	30.52	35.08	40.53	46.99	54.57	63.37	73.52	85.12
	P			8.07	8.1	8.12	8.13	8.13	8.14	8.16	8.19	8.23	8.29	8.38
	Q	40°C		18.56	20.79	23.51	26.84	30.89	35.77	41.59	48.47	56.51	65.84	76.56
	P			7.03	7.11	7.17	7.2	7.22	7.24	7.25	7.26	7.27	7.29	7.33
	Q	35°C		18.28	20.63	23.53	27.09	31.42	36.63	42.84	50.16	58.69	68.56	
	P			6.16	6.27	6.35	6.41	6.44	6.46	6.47	6.48	6.48	6.48	
	Q	30°C		18.09	20.59	23.69	27.49	32.12	37.69	44.3	52.07	61.11		
	P			5.4	5.55	5.66	5.73	5.78	5.81	5.82	5.81	5.8		
	Q	25°C		18	20.66	23.97	28.04	32.99	38.92	45.95	54.19			
	P			4.77	4.95	5.08	5.18	5.24	5.27	5.28	5.27			
	Q	20°C		18	20.85	24.39	28.74	34.02	40.34	47.81				
	P			4.26	4.47	4.63	4.74	4.82	4.86	4.87				
Q	15°C		18.11	21.15	24.94	29.6	35.23	41.95						
P			3.87	4.11	4.3	4.43	4.52	4.57						
Q	10°C		18.31	21.57	25.63	30.6	36.61							
P			3.6	3.88	4.09	4.24	4.34							

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 superheating 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	20°C	25°C	30°C
WW154KP-TFD-GN1	Q	65°C						39.33	44.13	49.85	56.62	64.57	73.83	84.52
	P							14.87	14.87	14.92	15.01	15.15	15.35	15.6
	Q	60°C					35.01	39.31	44.45	50.57	57.8	66.27	76.11	87.44
	P						13.31	13.29	13.3	13.34	13.42	13.54	13.7	13.91
	Q	55°C				31.07	34.89	39.48	44.99	51.53	59.24	68.25	78.69	90.69
	P					11.88	11.86	11.85	11.86	11.9	11.96	12.05	12.18	12.36
	Q	50°C			27.5	30.87	34.95	39.86	45.75	52.74	60.95	70.52	81.58	94.26
	P				10.55	10.55	10.55	10.55	10.56	10.58	10.63	10.7	10.81	10.94
	Q	45°C		24.28	27.23	30.82	35.19	40.45	46.74	54.19	62.92	73.08	84.78	98.15
	P			9.31	9.34	9.36	9.37	9.38	9.39	9.41	9.44	9.49	9.56	9.66
	Q	40°C		21.4	23.97	27.11	30.95	35.62	41.24	47.96	55.89	65.17	75.92	88.28
	P			8.11	8.2	8.26	8.3	8.33	8.35	8.36	8.37	8.38	8.41	8.45
	Q	35°C		21.08	23.79	27.14	31.24	36.23	42.24	49.4	57.84	67.68	79.06	
	P			7.1	7.23	7.32	7.39	7.43	7.45	7.46	7.47	7.47	7.47	
	Q	30°C		20.86	23.74	27.31	31.7	37.04	43.46	51.08	60.04	70.46		
	P			6.23	6.4	6.52	6.61	6.67	6.7	6.71	6.7	6.69		
	Q	25°C		20.75	23.82	27.64	32.34	38.04	44.88	52.99	62.49			
	P			5.5	5.71	5.86	5.97	6.04	6.08	6.09	6.08			
	Q	20°C		20.76	24.04	28.12	33.14	39.23	46.52	55.13				
	P			4.91	5.15	5.34	5.47	5.56	5.6	5.61				
Q	15°C		20.88	24.39	28.76	34.13	40.62	48.38						
P			4.46	4.74	4.96	5.11	5.21	5.26						
Q	10°C		21.12	24.87	29.55	35.29	42.21							
P			4.16	4.47	4.72	4.89	5.01							
WW170KP-TFD-GN1	Q	65°C						46.12	51.75	58.46	66.39	75.72	86.57	99.11
	P							17.43	17.44	17.5	17.6	17.77	18	18.29
	Q	60°C					41.06	46.09	52.12	59.3	67.78	77.71	89.24	102.54
	P						15.6	15.59	15.6	15.64	15.73	15.87	16.06	16.32
	Q	55°C				36.44	40.91	46.3	52.75	60.43	69.47	80.03	92.27	106.34
	P					13.93	13.91	13.9	13.91	13.95	14.02	14.13	14.29	14.5
	Q	50°C			32.25	36.19	40.98	46.74	53.65	61.84	71.47	82.69	95.66	110.52
	P				12.38	12.37	12.37	12.37	12.38	12.41	12.47	12.55	12.67	12.83
	Q	45°C		28.47	31.93	36.15	41.26	47.43	54.81	63.54	73.79	85.69	99.41	115.09
	P			10.91	10.95	10.97	10.99	11	11.01	11.03	11.07	11.13	11.21	11.33
	Q	40°C		25.1	28.11	31.79	36.29	41.76	48.36	56.23	65.53	76.41	89.03	103.52
	P			9.51	9.61	9.69	9.74	9.77	9.79	9.8	9.81	9.83	9.86	9.91
	Q	35°C		24.72	27.9	31.82	36.63	42.49	49.53	57.93	67.82	79.36	92.7	
	P			8.33	8.48	8.59	8.66	8.71	8.74	8.75	8.76	8.76	8.76	
	Q	30°C		24.46	27.84	32.03	37.17	43.43	50.96	59.89	70.4	82.62		
	P			7.31	7.5	7.65	7.75	7.82	7.85	7.86	7.86	7.84		
	Q	25°C		24.34	27.94	32.41	37.92	44.61	52.63	62.13	73.28			
	P			6.45	6.69	6.87	7	7.08	7.13	7.14	7.13			
	Q	20°C		24.34	28.19	32.98	38.87	46.01	54.55	64.65				
	P			5.76	6.04	6.26	6.41	6.51	6.57	6.58				
Q	15°C		24.48	28.59	33.72	40.02	47.64	56.73						
P			5.23	5.56	5.81	5.99	6.11	6.17						
Q	10°C		24.76	29.16	34.65	41.38	49.5							
P			4.87	5.24	5.53	5.74	5.87							

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 superheating 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	20°C	25°C	30°C	
WW235KP-TWD-GN1	Q	65°C						58.46	65.59	74.1	84.16	95.98	109.74	125.63	
	P							22.1	22.11	22.18	22.32	22.52	22.81	23.19	
	Q	60°C					52.04	58.42	66.07	75.17	85.91	98.5	113.12	129.97	
	P						19.78	19.76	19.77	19.83	19.94	20.12	20.36	20.68	
	Q	55°C				46.19	51.86	58.69	66.87	76.59	88.06	101.45	116.96	134.79	
	P					17.66	17.63	17.62	17.63	17.68	17.77	17.91	18.11	18.37	
	Q	50°C			40.87	45.88	51.94	59.25	68	78.39	90.6	104.82	121.26	140.1	
	P				15.69	15.68	15.68	15.68	15.69	15.73	15.8	15.91	16.06	16.27	
	Q	45°C		36.09	40.48	45.82	52.3	60.12	69.47	80.54	93.53	108.62	126.01	145.89	
	P			13.83	13.88	13.91	13.93	13.94	13.96	13.98	14.03	14.1	14.21	14.36	
	Q	40°C		31.81	35.63	40.3	46	52.94	61.3	71.28	83.07	96.86	112.85	131.22	
	P			12.06	12.19	12.28	12.34	12.38	12.41	12.42	12.44	12.46	12.5	12.57	
	Q	35°C		31.33	35.36	40.34	46.44	53.86	62.79	73.43	85.97	100.59	117.51		
	P			10.56	10.75	10.88	10.98	11.04	11.08	11.09	11.1	11.1	11.1		
	Q	30°C		31.01	35.29	40.6	47.12	55.06	64.59	75.92	89.24	104.73			
	P			9.26	9.51	9.69	9.82	9.91	9.95	9.97	9.96	9.94			
	Q	25°C		30.85	35.41	41.08	48.06	56.54	66.71	78.76	92.88				
	P			8.18	8.48	8.71	8.87	8.98	9.04	9.05	9.03				
	Q	20°C		30.86	35.73	41.8	49.26	58.32	69.15	81.95					
	P			7.3	7.66	7.93	8.13	8.26	8.33	8.34					
Q	15°C		31.04	36.25	42.74	50.73	60.38	71.91							
P			6.63	7.05	7.37	7.6	7.75	7.83							
Q	10°C		31.39	36.97	43.92	52.45	62.74								
P			6.18	6.65	7.01	7.27	7.45								
WW292KP-TWD-GN1	Q	65°C						72.23	81.04	91.55	103.98	118.58	135.58	155.22	
	P						27.3	27.32	27.4	27.57	27.83	28.18	28.65		
	Q	60°C					64.3	72.18	81.63	92.87	106.15	121.7	139.77	160.59	
	P						24.44	24.41	24.43	24.5	24.64	24.86	25.16	25.55	
	Q	55°C				57.07	64.07	72.51	82.62	94.64	108.8	125.35	144.52	166.54	
	P					21.82	21.78	21.77	21.78	21.85	21.96	22.13	22.38	22.7	
	Q	50°C			50.5	56.69	64.18	73.21	84.02	96.85	111.93	129.51	149.82	173.1	
	P				19.38	19.38	19.37	19.37	19.39	19.44	19.52	19.65	19.84	20.1	
	Q	45°C		44.59	50.01	56.61	64.62	74.28	85.84	99.51	115.56	134.2	155.69	180.25	
	P			17.09	17.15	17.19	17.21	17.22	17.24	17.28	17.34	17.43	17.56	17.75	
	Q	40°C		39.31	44.02	49.79	56.84	65.41	75.74	88.07	102.64	119.68	139.43	162.13	
	P			14.89	15.06	15.17	15.25	15.3	15.35	15.37	15.4	15.45	15.53		
	Q	35°C		38.71	43.69	49.84	57.37	66.54	77.58	90.72	106.21	124.29	145.18		
	P			13.04	13.28	13.45	13.57	13.64	13.69	13.71	13.71	13.71	13.72		
	Q	30°C		38.31	43.6	50.16	58.22	68.02	79.8	93.8	110.26	129.4			
	P			11.45	11.75	11.98	12.14	12.24	12.3	12.32	12.31	12.28			
	Q	25°C		38.11	43.75	50.76	59.39	69.86	82.42	97.31	114.76				
	P			10.1	10.48	10.76	10.96	11.09	11.16	11.18	11.16				
	Q	20°C		38.13	44.14	51.64	60.87	72.05	85.43	101.25					
	P			9.02	9.46	9.8	10.04	10.2	10.29	10.31					
Q	15°C		38.35	44.78	52.81	62.67	74.6	88.84							
P			8.2	8.71	9.1	9.39	9.57	9.67							
Q	10°C		38.78	45.67	54.27	64.81	77.52								
P			7.63	8.21	8.66	8.99	9.2								

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 superheating 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	20°C	
WW28KR-TFD-GN1	Q	65°C							9.31	9.86	10.89		
	P							3.1	3.08	3.07			
	Q	60°C						8.31	8.64	9.34	10.5	12.22	
	P							2.8	2.78	2.76	2.75	2.76	
	Q	55°C					7.59	7.81	8.29	9.12	10.4	12.22	
	P						2.52	2.5	2.48	2.47	2.46	2.46	
	Q	50°C				7.01	7.24	7.61	8.21	9.16	10.53	12.45	
	P					2.24	2.23	2.23	2.22	2.21	2.19	2.18	
	Q	45°C			6.43	6.78	7.15	7.65	8.36	9.4	10.87	12.85	
	P				1.94	1.97	1.98	1.99	1.98	1.97	1.95	1.93	
	Q	40°C		5.71	6.29	6.78	7.27	7.88	8.69	9.81	11.34	13.38	
	P			1.63	1.69	1.73	1.76	1.78	1.78	1.76	1.74	1.7	
	Q	35°C		4.71	5.63	6.35	6.96	7.56	8.26	9.15	10.34	11.92	14
	P			1.27	1.38	1.47	1.54	1.58	1.6	1.6	1.58	1.55	1.5
	Q	30°C		4.66	5.72	6.55	7.27	7.96	8.74	9.7	10.93	12.55	
	P			1.04	1.18	1.29	1.37	1.42	1.45	1.45	1.43	1.39	
	Q	25°C		4.75	5.92	6.86	7.67	8.44	9.27	10.28	11.55		
	P			0.85	1.01	1.14	1.24	1.3	1.33	1.34	1.31		
	Q	20°C		4.92	6.2	7.22	8.1	8.93	9.81	10.85			
	P			0.69	0.88	1.03	1.14	1.21	1.25	1.25			
Q	15°C		5.14	6.5	7.59	8.53	9.4	10.31					
P			0.58	0.79	0.96	1.08	1.16	1.19					
Q	10°C		5.34	6.77	7.92	8.9	9.8	10.72					
P			0.5	0.74	0.92	1.05	1.13	1.16					
WW34KR-TFD-GN1	Q	65°C							11.27	11.93	13.17		
	P							3.75	3.73	3.72			
	Q	60°C						10.05	10.45	11.3	12.7	14.79	
	P							3.39	3.36	3.34	3.33	3.33	
	Q	55°C					9.18	9.45	10.03	11.03	12.58	14.79	
	P						3.05	3.02	3	2.99	2.97	2.97	
	Q	50°C				8.48	8.76	9.21	9.94	11.08	12.74	15.06	
	P					2.71	2.7	2.7	2.68	2.67	2.65	2.64	
	Q	45°C			7.78	8.2	8.65	9.25	10.12	11.38	13.15	15.55	
	P				2.35	2.38	2.4	2.4	2.4	2.38	2.36	2.33	
	Q	40°C		6.91	7.61	8.2	8.8	9.53	10.52	11.87	13.72	16.19	
	P			1.97	2.04	2.1	2.13	2.15	2.15	2.13	2.1	2.06	
	Q	35°C		5.7	6.81	7.68	8.42	9.15	9.99	11.07	12.51	14.42	16.93
	P			1.54	1.67	1.78	1.86	1.91	1.93	1.94	1.92	1.88	1.82
	Q	30°C		5.64	6.92	7.93	8.79	9.63	10.57	11.73	13.23	15.18	
	P			1.26	1.43	1.56	1.66	1.72	1.76	1.76	1.73	1.68	
	Q	25°C		5.75	7.16	8.3	9.27	10.21	11.22	12.43	13.97		
	P			1.03	1.23	1.38	1.5	1.58	1.61	1.62	1.58		
	Q	20°C		5.96	7.5	8.74	9.8	10.8	11.87	13.12			
	P			0.84	1.07	1.25	1.38	1.47	1.51	1.51			
Q	15°C		6.22	7.86	9.18	10.32	11.37	12.47					
P			0.7	0.96	1.16	1.3	1.4	1.44					
Q	10°C		6.47	8.19	9.58	10.76	11.85	12.97					
P			0.61	0.89	1.11	1.27	1.37	1.41					

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 superheating 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	20°C	
WW48KR-TFD-GN1	Q	65°C							16.74	17.73	19.58		
	P								5.58	5.54	5.52		
	Q	60°C						14.94	15.54	16.79	18.87	21.98	
	P							5.04	4.99	4.96	4.95	4.95	
	Q	55°C					13.64	14.05	14.91	16.39	18.69	21.98	
	P						4.53	4.5	4.46	4.44	4.42	4.41	
	Q	50°C				12.6	13.02	13.68	14.77	16.46	18.94	22.38	
	P					4.02	4.02	4.01	3.99	3.97	3.94	3.92	
	Q	45°C			11.56	12.19	12.86	13.75	15.04	16.91	19.54	23.1	
	P				3.49	3.54	3.56	3.57	3.56	3.54	3.51	3.47	
	Q	40°C		10.27	11.31	12.19	13.08	14.16	15.63	17.64	20.4	24.06	
	P			2.92	3.04	3.12	3.17	3.2	3.19	3.17	3.13	3.06	
	Q	35°C		8.47	10.13	11.41	12.51	13.59	14.85	16.45	18.59	21.43	25.17
	P			2.29	2.49	2.64	2.76	2.84	2.87	2.88	2.85	2.79	2.7
	Q	30°C		8.38	10.28	11.78	13.07	14.32	15.71	17.43	19.66	22.56	
	P			1.87	2.12	2.32	2.46	2.56	2.61	2.61	2.58	2.5	
	Q	25°C		8.54	10.65	12.33	13.78	15.17	16.67	18.48	20.76		
	P			1.52	1.82	2.06	2.23	2.34	2.4	2.4	2.35		
	Q	20°C		8.85	11.14	12.98	14.56	16.06	17.64	19.5			
	P			1.25	1.59	1.86	2.05	2.18	2.24	2.24			
Q	15°C		9.24	11.68	13.65	15.33	16.9	18.54					
P			1.04	1.42	1.72	1.94	2.08	2.14					
Q	10°C		9.61	12.17	14.24	16	17.61	19.27					
P			0.91	1.32	1.65	1.88	2.03	2.09					
WW61KR-TFD-GN1	Q	65°C							22.11	24.55	27.63		
	P							7.45	7.31	7.23			
	Q	60°C						19.99	22.2	24.97	28.4	32.57	
	P							6.71	6.58	6.51	6.47	6.43	
	Q	55°C					17.9	19.93	22.45	25.54	29.31	33.82	
	P						6.01	5.91	5.86	5.83	5.81	5.74	
	Q	50°C				15.83	17.72	20.03	22.84	26.25	30.34	35.18	
	P					5.33	5.26	5.25	5.26	5.22	5.1		
	Q	45°C			13.74	15.55	17.69	20.28	23.37	27.08	31.47	36.63	
	P				4.63	4.62	4.66	4.71	4.76	4.75	4.67	4.48	
	Q	40°C		11.62	13.39	15.42	17.81	20.65	24.02	28	32.68	38.14	
	P			3.89	3.95	4.06	4.18	4.28	4.33	4.3	4.15	3.86	
	Q	35°C		9.44	11.21	13.18	15.43	18.06	21.14	24.75	29	33.96	39.71
	P			3.09	3.24	3.43	3.62	3.8	3.92	3.95	3.86	3.63	3.2
	Q	30°C		9	10.95	13.11	15.57	18.41	21.71	25.57	30.06	35.28	
	P			2.45	2.73	3.03	3.29	3.49	3.6	3.59	3.43	3.07	
	Q	25°C		8.71	10.82	13.16	15.81	18.84	22.36	26.44	31.17		
	P			1.96	2.36	2.72	3.03	3.23	3.31	3.23	2.96		
	Q	20°C		8.55	10.81	13.31	16.13	19.35	23.06	27.35			
	P			1.59	2.08	2.5	2.81	3	3.02	2.84			
Q	15°C		8.49	10.89	13.54	16.51	19.91	23.8					
P			1.33	1.87	2.32	2.62	2.76	2.69					
Q	10°C		8.53	11.05	13.83	16.95	20.5	24.56					
P			1.14	1.72	2.16	2.43	2.49	2.31					

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 superheating 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	20°C	
WW72KR-TFD-GN1	Q	65°C							22.79	25.67	29.13		
	P							7.7	7.74	7.79			
	Q	60°C						20.26	22.87	26.01	29.79	34.3	
	P							6.83	6.85	6.86	6.88	6.89	
	Q	55°C					17.9	20.25	23.09	26.52	30.63	35.52	
	P						6.07	6.08	6.08	6.07	6.06	6.04	
	Q	50°C				15.7	17.82	20.37	23.45	27.18	31.64	36.93	
	P					5.38	5.4	5.4	5.39	5.36	5.32	5.28	
	Q	45°C			13.67	15.56	17.84	20.6	23.95	27.99	32.82	38.53	
	P				4.76	4.79	4.8	4.8	4.77	4.73	4.67	4.6	
	Q	40°C		11.79	13.47	15.49	17.95	20.95	24.58	28.96	34.17	40.32	
	P			4.16	4.23	4.27	4.28	4.27	4.24	4.18	4.11	4.01	
	Q	35°C		10.06	11.56	13.34	15.51	18.17	21.41	25.34	30.07	35.68	42.29
	P			3.56	3.68	3.76	3.81	3.83	3.82	3.79	3.72	3.63	3.52
	Q	30°C		9.81	11.37	13.26	15.6	18.47	21.98	26.23	31.32	37.36	
	P			3.13	3.27	3.37	3.43	3.46	3.45	3.42	3.35	3.25	
	Q	25°C		9.58	11.21	13.24	15.75	18.86	22.65	27.24	32.72		
	P			2.75	2.92	3.04	3.12	3.16	3.16	3.13	3.05		
	Q	20°C		9.36	11.09	13.27	15.98	19.34	23.43	28.37			
	P			2.44	2.63	2.78	2.88	2.94	2.95	2.92			
Q	15°C		9.15	11	13.34	16.27	19.9	24.31					
P			2.19	2.42	2.59	2.72	2.79	2.82					
Q	10°C		8.96	10.94	13.46	16.63	20.53	25.28					
P			2.01	2.27	2.48	2.63	2.72	2.76					
WW81KR-TFD-GN1	Q	65°C							26.22	29.53	33.51		
	P							8.86	8.91	8.96			
	Q	60°C						23.31	26.31	29.93	34.27	39.46	
	P							7.86	7.88	7.9	7.91	7.93	
	Q	55°C					20.6	23.3	26.57	30.51	35.24	40.87	
	P						6.98	6.99	6.99	6.98	6.97	6.95	
	Q	50°C				18.07	20.5	23.43	26.99	31.27	36.4	42.49	
	P					6.2	6.21	6.21	6.2	6.17	6.12	6.07	
	Q	45°C			15.72	17.9	20.52	23.7	27.56	32.2	37.76	44.33	
	P				5.47	5.51	5.53	5.52	5.49	5.44	5.38	5.29	
	Q	40°C		13.56	15.5	17.83	20.66	24.1	28.28	33.31	39.31	46.39	
	P			4.78	4.86	4.91	4.93	4.92	4.88	4.81	4.73	4.62	
	Q	35°C		11.57	13.3	15.35	17.84	20.9	24.63	29.16	34.59	41.05	48.65
	P			4.1	4.23	4.33	4.39	4.41	4.4	4.36	4.28	4.18	4.05
	Q	30°C		11.28	13.08	15.26	17.94	21.25	25.29	30.18	36.04	42.98	
	P			3.6	3.76	3.87	3.95	3.98	3.97	3.93	3.85	3.73	
	Q	25°C		11.02	12.9	15.23	18.13	21.7	26.06	31.34	37.64		
	P			3.16	3.36	3.5	3.59	3.64	3.64	3.6	3.51		
	Q	20°C		10.77	12.76	15.26	18.39	22.25	26.96	32.64			
	P			2.81	3.03	3.2	3.32	3.38	3.39	3.36			
Q	15°C		10.53	12.66	15.35	18.72	22.89	27.97					
P			2.52	2.78	2.99	3.13	3.21	3.24					
Q	10°C		10.31	12.59	15.49	19.13	23.62	29.09					
P			2.31	2.61	2.85	3.02	3.13	3.18					

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 superheating 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	20°C	
WW94KR-TFD-GN1	Q	65°C							30.5	34.35	38.98		
	P								10.3	10.36	10.42		
	Q	60°C						27.12	30.61	34.81	39.87	45.9	
	P							9.14	9.17	9.19	9.21	9.23	
	Q	55°C						23.96	27.11	30.91	35.49	40.99	47.54
	P							8.12	8.13	8.13	8.12	8.11	8.08
	Q	50°C					21.02	23.85	27.26	31.39	36.37	42.34	49.43
	P						7.21	7.23	7.23	7.21	7.17	7.12	7.06
	Q	45°C			18.29	20.82	23.87	27.57	32.06	37.46	43.92	51.57	
	P				6.37	6.41	6.43	6.42	6.39	6.33	6.25	6.16	
	Q	40°C		15.77	18.03	20.74	24.03	28.04	32.9	38.75	45.73	53.96	
	P			5.56	5.65	5.71	5.73	5.72	5.67	5.6	5.5	5.37	
	Q	35°C	13.46	15.47	17.85	20.75	24.31	28.65	33.92	40.24	47.75	56.59	
	P		4.77	4.92	5.03	5.1	5.13	5.12	5.07	4.98	4.86	4.71	
	Q	30°C	13.13	15.21	17.75	20.87	24.72	29.42	35.1	41.92	49.99		
	P		4.18	4.37	4.51	4.59	4.63	4.62	4.57	4.48	4.34		
	Q	25°C	12.81	15.01	17.72	21.08	25.24	30.32	36.46	43.79			
	P		3.68	3.9	4.07	4.18	4.23	4.23	4.18	4.09			
	Q	20°C	12.52	14.85	17.76	21.39	25.88	31.36	37.97				
	P		3.26	3.53	3.72	3.86	3.93	3.95	3.91				
Q	15°C	12.25	14.73	17.86	21.78	26.63	32.53						
P		2.93	3.24	3.47	3.64	3.74	3.77						
Q	10°C	11.99	14.64	18.02	22.25	27.48	33.84						
P		2.68	3.04	3.31	3.52	3.64	3.7						
WW108KR-TFD-GN1	Q	65°C							33.59	37.83	42.93		
	P							11.35	11.41	11.48			
	Q	60°C						29.87	33.71	38.34	43.9	50.56	
	P							10.07	10.1	10.12	10.14	10.16	
	Q	55°C						26.39	29.85	34.04	39.08	45.14	52.36
	P							8.94	8.96	8.96	8.95	8.93	8.9
	Q	50°C				23.15	26.26	30.02	34.57	40.06	46.63	54.44	
	P					7.94	7.96	7.96	7.94	7.9	7.84	7.78	
	Q	45°C			20.14	22.93	26.29	30.37	35.3	41.26	48.37	56.8	
	P				7.01	7.06	7.08	7.07	7.03	6.97	6.89	6.78	
	Q	40°C		17.37	19.86	22.84	26.46	30.88	36.23	42.68	50.36	59.43	
	P			6.13	6.23	6.29	6.31	6.3	6.25	6.17	6.06	5.92	
	Q	35°C	14.83	17.03	19.66	22.86	26.77	31.56	37.36	44.32	52.59	62.33	
	P		5.25	5.42	5.54	5.62	5.65	5.64	5.58	5.49	5.36	5.19	
	Q	30°C	14.46	16.75	19.55	22.99	27.22	32.4	38.66	46.17	55.06		
	P		4.61	4.81	4.96	5.06	5.1	5.09	5.03	4.93	4.78		
	Q	25°C	14.11	16.53	19.51	23.22	27.8	33.39	40.15	48.22			
	P		4.05	4.3	4.48	4.6	4.66	4.66	4.61	4.5			
	Q	20°C	13.79	16.35	19.56	23.56	28.5	34.54	41.82				
	P		3.59	3.88	4.1	4.25	4.33	4.35	4.3				
Q	15°C	13.49	16.22	19.67	23.99	29.32	35.83						
P		3.23	3.57	3.82	4.01	4.12	4.15						
Q	10°C	13.21	16.13	19.84	24.51	30.26	37.27						
P		2.96	3.35	3.65	3.87	4.01	4.07						

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 superheating 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	20°C	
WW120KR-TFD-GN1	Q	65°C							34.79	39.21	44.47		
	P							12	12.08	12.13			
	Q	60°C						30.88	34.93	39.73	45.44	52.24	
	P							10.66	10.71	10.71	10.66	10.56	
	Q	55°C						27.23	30.94	35.32	40.53	46.75	54.13
	P							9.48	9.54	9.54	9.47	9.33	9.13
	Q	50°C					23.8	27.2	31.2	35.95	41.62	48.37	56.37
	P						8.38	8.5	8.54	8.49	8.36	8.14	7.85
	Q	45°C			20.54	23.68	27.33	31.66	36.82	42.98	50.31	58.96	
	P				7.27	7.51	7.63	7.65	7.57	7.38	7.1	6.72	
	Q	40°C		17.43	20.34	23.68	27.61	32.3	37.91	44.61	52.55	61.9	
	P			6.09	6.48	6.73	6.86	6.87	6.76	6.54	6.19	5.74	
	Q	35°C	14.41	17.13	20.19	23.77	28.03	33.12	39.22	46.49	55.08	65.17	
	P		4.74	5.32	5.76	6.05	6.2	6.21	6.08	5.82	5.43	4.91	
	Q	30°C	14.01	16.84	20.1	23.96	28.58	34.12	40.74	48.61	57.9		
	P		3.96	4.62	5.12	5.45	5.63	5.65	5.51	5.23	4.8		
	Q	25°C	13.59	16.57	20.06	24.24	29.25	35.27	42.46	50.98			
	P		3.25	4	4.56	4.95	5.16	5.2	5.07	4.77			
	Q	20°C	13.12	16.29	20.06	24.58	30.04	36.58	44.37				
	P		2.6	3.44	4.08	4.53	4.79	4.86	4.74				
Q	15°C	12.61	16	20.08	25	30.93	38.03						
P		2.01	2.95	3.68	4.2	4.52	4.62						
Q	10°C	12.03	15.7	20.12	25.48	31.92	39.61						
P		1.48	2.54	3.36	3.97	4.34	4.5						
WW144KR-TFD-GN1	Q	65°C							43.13	48.58	55.13		
	P							14.57	14.65	14.74			
	Q	60°C						38.35	43.29	49.23	56.38	64.92	
	P							12.93	12.96	12.99	13.02	13.05	
	Q	55°C						33.88	38.34	43.71	50.19	57.96	67.23
	P							11.49	11.5	11.5	11.49	11.47	11.43
	Q	50°C					29.72	33.73	38.55	44.39	51.44	59.88	69.9
	P						10.19	10.22	10.22	10.19	10.14	10.07	9.98
	Q	45°C			25.87	29.45	33.76	38.99	45.34	52.98	62.12	72.93	
	P				9	9.07	9.09	9.08	9.03	8.95	8.84	8.71	
	Q	40°C		22.31	25.5	29.33	33.98	39.65	46.53	54.81	64.67	76.31	
	P			7.87	8	8.08	8.1	8.09	8.02	7.92	7.78	7.6	
	Q	35°C	19.04	21.87	25.25	29.35	34.38	40.52	47.97	56.91	67.53	80.03	
	P		6.74	6.96	7.12	7.22	7.26	7.24	7.17	7.05	6.88	6.66	
	Q	30°C	18.56	21.51	25.1	29.52	34.95	41.6	49.65	59.28	70.7		
	P		5.91	6.18	6.37	6.49	6.55	6.54	6.46	6.33	6.14		
	Q	25°C	18.12	21.22	25.06	29.82	35.7	42.88	51.56	61.93			
	P		5.21	5.52	5.75	5.91	5.98	5.99	5.92	5.78			
	Q	20°C	17.71	21	25.11	30.25	36.6	44.35	53.7				
	P		4.62	4.99	5.27	5.46	5.56	5.58	5.52				
Q	15°C	17.33	20.83	25.25	30.8	37.66	46.01						
P		4.15	4.58	4.91	5.15	5.28	5.33						
Q	10°C	16.96	20.71	25.48	31.47	38.86	47.85						
P		3.8	4.3	4.69	4.97	5.15	5.23						

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 superheating 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	20°C	
WW154KR-TFD-GN1	Q	65°C							48.6	54.74	62.12		
	P								16.42	16.51	16.6		
	Q	60°C						43.21	48.77	55.47	63.53	73.15	
	P							14.57	14.61	14.64	14.67	14.7	
	Q	55°C						38.18	43.2	49.25	56.55	65.31	75.75
	P							12.94	12.96	12.96	12.95	12.92	12.88
	Q	50°C				33.49	38	43.44	50.02	57.96	67.47	78.77	
	P					11.48	11.52	11.51	11.49	11.43	11.35	11.25	
	Q	45°C			29.14	33.18	38.04	43.94	51.08	59.7	69.99	82.18	
	P				10.14	10.22	10.25	10.23	10.18	10.09	9.96	9.81	
	Q	40°C		25.13	28.73	33.04	38.29	44.68	52.43	61.75	72.87	85.99	
	P			8.86	9.01	9.1	9.13	9.11	9.04	8.92	8.76	8.56	
	Q	35°C	21.45	24.65	28.45	33.07	38.74	45.66	54.05	64.12	76.09	90.18	
	P		7.59	7.84	8.02	8.13	8.18	8.16	8.08	7.94	7.75	7.51	
	Q	30°C	20.92	24.24	28.28	33.26	39.39	46.87	55.94	66.8	79.67		
	P		6.66	6.96	7.18	7.32	7.38	7.37	7.28	7.13	6.92		
	Q	25°C	20.42	23.91	28.24	33.6	40.22	48.31	58.09	69.78			
	P		5.87	6.22	6.48	6.66	6.74	6.74	6.67	6.51			
	Q	20°C	19.96	23.66	28.3	34.08	41.24	49.97	60.5				
	P		5.2	5.62	5.93	6.15	6.27	6.29	6.22				
Q	15°C	19.52	23.47	28.46	34.71	42.43	51.84						
P		4.67	5.16	5.53	5.8	5.95	6.01						
Q	10°C	19.11	23.33	28.71	35.46	43.79	53.92						
P		4.28	4.84	5.28	5.6	5.81	5.89						
WW170KR-TFD-GN1	Q	65°C							56.79	63.96	72.58		
	P							19.19	19.29	19.4			
	Q	60°C						50.49	56.99	64.82	74.23	85.47	
	P							17.02	17.07	17.11	17.14	17.18	
	Q	55°C						44.61	50.47	57.54	66.07	76.31	88.51
	P							15.12	15.14	15.15	15.13	15.1	15.05
	Q	50°C				39.13	44.4	50.76	58.44	67.72	78.83	92.03	
	P					13.42	13.45	13.45	13.42	13.35	13.26	13.15	
	Q	45°C			34.05	38.77	44.45	51.34	59.69	69.75	81.78	96.02	
	P				11.85	11.94	11.97	11.95	11.89	11.79	11.64	11.46	
	Q	40°C		29.37	33.57	38.61	44.74	52.2	61.26	72.15	85.14	100.47	
	P			10.36	10.53	10.63	10.67	10.65	10.56	10.43	10.24	10	
	Q	35°C	25.07	28.8	33.24	38.64	45.26	53.35	63.15	74.92	88.91	105.37	
	P		8.87	9.17	9.37	9.5	9.55	9.53	9.44	9.28	9.05	8.77	
	Q	30°C	24.44	28.32	33.05	38.86	46.02	54.77	65.36	78.05	93.08		
	P		7.79	8.14	8.39	8.55	8.62	8.61	8.51	8.34	8.09		
	Q	25°C	23.86	27.94	32.99	39.26	46.99	56.45	67.88	81.53			
	P		6.85	7.27	7.58	7.78	7.88	7.79	7.61				
	Q	20°C	23.32	27.64	33.06	39.82	48.18	58.39	70.69				
	P		6.08	6.57	6.93	7.18	7.32	7.35	7.27				
Q	15°C	22.81	27.42	33.25	40.55	49.58	60.58						
P		5.46	6.03	6.47	6.77	6.96	7.02						
Q	10°C	22.33	27.26	33.55	41.43	51.17	63						
P		5	5.66	6.17	6.55	6.78	6.89						

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 superheating 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	20°C	
WW235KR-TWD-GN1	Q	65°C							74.72	84.15	95.5		
	P							25.24	25.38	25.53			
	Q	60°C						66.43	74.98	85.28	97.67	112.46	
	P							22.4	22.46	22.51	22.55	22.6	
	Q	55°C						58.69	66.41	75.71	86.94	100.41	116.46
	P							19.9	19.93	19.93	19.9	19.86	19.8
	Q	50°C				51.49	58.42	66.78	76.9	89.11	103.73	121.09	
	P					17.66	17.7	17.7	17.66	17.57	17.45	17.3	
	Q	45°C			44.81	51.01	58.48	67.55	78.53	91.78	107.6	126.34	
	P				15.59	15.71	15.75	15.73	15.65	15.51	15.32	15.08	
	Q	40°C		38.64	44.17	50.8	58.86	68.69	80.6	94.94	112.02	132.19	
	P			13.63	13.85	13.99	14.04	14.01	13.9	13.72	13.47	13.16	
	Q	35°C	32.98	37.89	43.73	50.85	59.56	70.2	83.1	98.58	116.99	138.64	
	P		11.68	12.06	12.33	12.5	12.57	12.54	12.42	12.21	11.91	11.54	
	Q	30°C	32.16	37.27	43.48	51.13	60.55	72.06	86	102.7	122.48		
	P		10.25	10.71	11.04	11.25	11.34	11.33	11.2	10.97	10.64		
	Q	25°C	31.39	36.77	43.41	51.66	61.84	74.28	89.31	107.27			
	P		9.02	9.56	9.97	10.23	10.37	10.37	10.25	10.01			
	Q	20°C	30.68	36.37	43.5	52.4	63.4	76.83	93.02				
	P		8	8.64	9.12	9.45	9.63	9.67	9.57				
Q	15°C	30.01	36.08	43.75	53.36	65.23	79.71						
P		7.18	7.93	8.51	8.91	9.15	9.24						
Q	10°C	29.38	35.87	44.14	54.51	67.32	82.9						
P		6.58	7.44	8.12	8.61	8.93	9.06						
WW292KR-TWD-GN1	Q	65°C							89.25	100.52	114.08		
	P							30.15	30.32	30.49			
	Q	60°C						79.36	89.57	101.87	116.67	134.34	
	P							26.76	26.83	26.89	26.94	27	
	Q	55°C						70.11	79.33	90.44	103.85	119.95	139.12
	P							23.77	23.8	23.8	23.78	23.73	23.66
	Q	50°C				61.5	69.79	79.78	91.86	106.44	123.91	144.65	
	P					21.09	21.15	21.15	21.09	20.99	20.84	20.66	
	Q	45°C			53.52	60.94	69.86	80.69	93.81	109.63	128.53	150.92	
	P				18.63	18.76	18.81	18.79	18.69	18.53	18.3	18.02	
	Q	40°C		46.16	52.76	60.69	70.32	82.05	96.28	113.41	133.82	157.91	
	P			16.28	16.55	16.71	16.77	16.73	16.6	16.39	16.09	15.72	
	Q	35°C	39.4	45.26	52.24	60.74	71.14	83.85	99.26	117.76	139.75	165.61	
	P		13.95	14.41	14.73	14.93	15.01	14.98	14.83	14.58	14.23	13.79	
	Q	30°C	38.41	44.52	51.94	61.08	72.33	86.08	102.73	122.68	146.31		
	P		12.24	12.79	13.19	13.44	13.55	13.53	13.38	13.1	12.71		
	Q	25°C	37.5	43.92	51.85	61.7	73.86	88.73	106.69	128.14			
	P		10.77	11.42	11.91	12.22	12.38	12.39	12.24	11.96			
	Q	20°C	36.65	43.45	51.96	62.59	75.73	91.77	111.12				
	P		9.55	10.32	10.9	11.29	11.51	11.55	11.43				
Q	15°C	35.85	43.1	52.26	63.74	77.92	95.21						
P		8.58	9.47	10.16	10.65	10.94	11.03						
Q	10°C	35.09	42.85	52.73	65.12	80.42	99.02						
P		7.85	8.89	9.7	10.29	10.66	10.82						

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WW28KE-TFD-GV1	Q	75°C									7.47	8.49	9.64	10.9	12.28	
	P										3.06	3.05	3.03	2.99	2.95	
	Q	70°C							5.84	6.68	7.65	8.75	9.96	11.3	12.75	
	P								2.7	2.75	2.77	2.77	2.76	2.74	2.72	
	Q	65°C						5.17	5.95	6.86	7.89	9.05	10.34	11.75	13.28	
	P							2.38	2.46	2.5	2.53	2.54	2.54	2.54	2.54	
	Q	60°C					4.58	5.28	6.11	7.08	8.18	9.41	10.76	12.25	13.86	
	P						2.07	2.18	2.25	2.3	2.33	2.35	2.37	2.38	2.4	
	Q	55°C				4.06	4.67	5.42	6.32	7.34	8.51	9.81	11.24	12.8	14.5	
	P					1.77	1.9	2	2.07	2.12	2.16	2.2	2.23	2.26	2.31	
	Q	50°C			3.62	4.14	4.8	5.61	6.56	7.65	8.89	10.26	11.76	13.41	15.18	
	P				1.48	1.63	1.75	1.84	1.92	1.98	2.03	2.07	2.12	2.18	2.25	
	Q	45°C		2.99	3.26	3.68	4.25	4.97	5.84	6.85	8.01	9.31	10.75	12.33	14.06	15.92
	P			0.96	1.18	1.36	1.5	1.61	1.71	1.79	1.85	1.91	1.98	2.04	2.13	2.22
	Q	40°C		3.01	3.32	3.79	4.41	5.18	6.11	7.18	8.4	9.77	11.29	12.95	14.76	16.71
	P			0.88	1.08	1.24	1.38	1.49	1.59	1.67	1.74	1.82	1.9	1.99	2.1	2.23
	Q	35°C		3.05	3.41	3.92	4.6	5.43	6.41	7.55	8.84	10.28	11.87	13.62		
	P			0.79	0.98	1.13	1.26	1.37	1.47	1.56	1.65	1.74	1.84	1.95		
	Q	30°C		3.13	3.53	4.09	4.82	5.71	6.75	7.95	9.31	10.83	12.5			
	P			0.7	0.87	1.02	1.15	1.26	1.36	1.46	1.56	1.67	1.79			
Q	25°C		3.23	3.68	4.29	5.07	6.02	7.13	8.4	9.83	11.42					
P			0.6	0.76	0.9	1.03	1.14	1.25	1.36	1.47	1.6					
Q	20°C		3.36	3.86	4.52	5.36	6.37	7.54	8.88	10.38						
P			0.48	0.63	0.77	0.9	1.01	1.13	1.25	1.38						
WW34KE-TFD-GV1	Q	75°C									10.16	11.55	13.11	14.83	16.7	
	P									4.16	4.15	4.12	4.07	4.01		
	Q	70°C							7.94	9.09	10.41	11.9	13.55	15.37	17.34	
	P								3.67	3.74	3.77	3.77	3.76	3.73	3.7	
	Q	65°C						7.04	8.1	9.33	10.73	12.31	14.06	15.98	18.06	
	P							3.24	3.34	3.41	3.44	3.46	3.46	3.45	3.45	
	Q	60°C					6.23	7.18	8.31	9.63	11.12	12.79	14.64	16.66	18.85	
	P						2.82	2.96	3.06	3.13	3.17	3.2	3.22	3.24	3.27	
	Q	55°C				5.52	6.35	7.38	8.59	9.99	11.57	13.34	15.29	17.41	19.72	
	P					2.41	2.59	2.72	2.82	2.89	2.94	2.99	3.03	3.08	3.14	
	Q	50°C			4.92	5.63	6.53	7.63	8.93	10.41	12.09	13.95	16	18.23	20.65	
	P				2.01	2.22	2.38	2.51	2.61	2.69	2.76	2.82	2.89	2.96	3.06	
	Q	45°C		4.07	4.44	5.01	5.79	6.77	7.94	9.32	10.89	12.66	14.62	16.78	19.12	21.66
	P			1.31	1.6	1.84	2.04	2.2	2.32	2.43	2.52	2.6	2.69	2.78	2.89	3.03
	Q	40°C		4.09	4.52	5.15	6	7.05	8.31	9.77	11.43	13.29	15.36	17.62	20.08	22.73
	P			1.19	1.47	1.69	1.88	2.03	2.16	2.27	2.37	2.47	2.58	2.71	2.85	3.03
	Q	35°C		4.15	4.64	5.34	6.25	7.38	8.72	10.27	12.02	13.99	16.15	18.52		
	P			1.08	1.33	1.54	1.72	1.87	2	2.12	2.24	2.37	2.5	2.66		
	Q	30°C		4.25	4.8	5.57	6.56	7.76	9.18	10.82	12.67	14.73	17			
	P			0.95	1.19	1.39	1.56	1.71	1.85	1.99	2.12	2.27	2.43			
Q	25°C		4.39	5	5.84	6.9	8.19	9.7	11.42	13.37	15.53					
P			0.81	1.03	1.23	1.4	1.55	1.7	1.85	2	2.18					
Q	20°C		4.57	5.25	6.15	7.29	8.66	10.26	12.08	14.12						
P			0.65	0.86	1.05	1.22	1.38	1.54	1.7	1.88						

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C		
WW48KE-TFD-GV1	Q	75°C									15.49	17.06	18.86	20.92	23.22		
	P									5.72	5.77	5.82	5.87	5.92			
	Q	70°C							12.35	13.62	15.11	16.85	18.83	21.06	23.55		
	P								4.97	5.03	5.09	5.15	5.21	5.27	5.34		
	Q	65°C						10.72	11.9	13.31	14.96	16.86	19	21.41	24.09		
	P							4.36	4.43	4.5	4.57	4.64	4.71	4.78	4.85		
	Q	60°C					9.27	10.35	11.67	13.22	15.02	17.07	19.38	21.96	24.81		
	P						3.81	3.9	3.98	4.06	4.14	4.21	4.29	4.37	4.46		
	Q	55°C					8.02	9	10.2	11.65	13.34	15.28	17.47	19.94	22.68	25.7	
	P						3.33	3.43	3.52	3.61	3.7	3.78	3.87	3.95	4.05	4.14	
	Q	50°C			6.99	7.84	8.93	10.25	11.82	13.64	15.71	18.05	20.66	23.56	26.74		
	P				2.9	3.01	3.12	3.22	3.31	3.4	3.5	3.59	3.68	3.78	3.88		
	Q	45°C		5.68	6.19	6.92	7.87	9.06	10.49	12.17	14.1	16.31	18.78	21.54	24.59	27.93	
	P			2.36	2.5	2.63	2.75	2.86	2.96	3.06	3.16	3.26	3.36	3.46	3.56	3.68	
	Q	40°C		5.64	6.22	7.03	8.07	9.35	10.88	12.67	14.73	17.05	19.66	22.55	25.74	29.23	
	P			2.13	2.28	2.41	2.53	2.64	2.75	2.86	2.96	3.06	3.17	3.27	3.38	3.5	
	Q	35°C		5.78	6.43	7.31	8.43	9.81	11.43	13.32	15.49	17.93	20.65	23.68			
	P			1.94	2.08	2.21	2.34	2.46	2.57	2.68	2.78	2.89	3	3.11			
	Q	30°C		6.09	6.8	7.75	8.95	10.4	12.11	14.1	16.37	18.92	21.76				
	P			1.76	1.9	2.04	2.16	2.28	2.4	2.51	2.62	2.73	2.84				
Q	25°C		6.55	7.31	8.32	9.59	11.12	12.91	14.99	17.35	20						
P			1.59	1.73	1.87	1.99	2.11	2.23	2.34	2.45	2.57						
Q	20°C		7.14	7.95	9.02	10.34	11.94	13.81	15.97	18.42							
P			1.41	1.55	1.69	1.81	1.93	2.05	2.16	2.27							
WW61KE-TFD-GV1	Q	75°C									20.01	21.83	23.92	26.31	29.02		
	P									7.19	7.25	7.32	7.39	7.48			
	Q	70°C							16.23	17.74	19.51	21.54	23.87	26.5	29.45		
	P								6.35	6.41	6.48	6.55	6.63	6.72	6.81		
	Q	65°C							14.17	15.62	17.31	19.28	21.52	24.06	26.92	30.1	
	P								5.62	5.69	5.77	5.85	5.94	6.03	6.12	6.22	
	Q	60°C						12.28	13.65	15.27	17.15	19.3	21.74	24.49	27.56	30.97	
	P							4.96	5.04	5.13	5.21	5.31	5.4	5.5	5.6	5.7	
	Q	55°C						10.59	11.88	13.4	15.18	17.22	19.55	22.18	25.12	28.4	32.02
	P							4.36	4.45	4.54	4.64	4.73	4.83	4.93	5.03	5.14	5.24
	Q	50°C					9.13	10.32	11.73	13.4	15.32	17.52	20.01	22.81	25.94	29.41	33.24
	P						3.83	3.92	4.02	4.12	4.22	4.32	4.42	4.52	4.62	4.73	4.83
	Q	45°C		7.04	7.91	8.99	10.28	11.82	13.61	15.67	18.01	20.66	23.62	26.92	30.57	34.59	
	P			3.24	3.35	3.45	3.55	3.65	3.76	3.86	3.96	4.06	4.17	4.27	4.37	4.47	
	Q	40°C		6.96	7.91	9.08	10.47	12.11	14.01	16.2	18.68	21.47	24.59	28.05	31.87	36.07	
	P			2.92	3.03	3.14	3.24	3.35	3.45	3.56	3.66	3.76	3.86	3.96	4.05	4.15	
	Q	35°C		7.12	8.13	9.37	10.85	12.59	14.6	16.89	19.5	22.42	25.68	29.29			
	P			2.66	2.78	2.89	2.99	3.1	3.2	3.3	3.4	3.5	3.59	3.68			
	Q	30°C		7.48	8.55	9.86	11.41	13.23	15.33	17.73	20.45	23.49	26.88				
	P			2.47	2.58	2.69	2.79	2.89	2.99	3.09	3.18	3.27	3.35				
Q	25°C		8.02	9.14	10.5	12.12	14.01	16.2	18.69	21.5	24.66						
P			2.32	2.43	2.53	2.63	2.73	2.82	2.91								

型号 Model	项目 Item (KW)	Tc\Te	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WW72KE-TFD-GV1	Q	75°C									23.01	25.07	27.48	30.25	33.42	
	P										8.56	8.64	8.73	8.83	8.94	
	Q	70°C							18.86	20.52	22.48	24.77	27.4	30.4	33.78	
	P							7.52	7.6	7.69	7.78	7.87	7.97	8.08		
	Q	65°C						16.62	18.21	20.09	22.28	24.79	27.64	30.85	34.44	
	P							6.65	6.74	6.84	6.93	7.02	7.12	7.22	7.33	
	Q	60°C					14.52	16.07	17.88	19.98	22.38	25.09	28.15	31.57	35.36	
	P						5.86	5.97	6.08	6.18	6.28	6.38	6.47	6.58	6.68	
	Q	55°C				12.54	14.06	15.82	17.84	20.14	22.75	25.66	28.92	32.53	36.51	
	P					5.15	5.28	5.41	5.52	5.63	5.73	5.82	5.92	6.02	6.12	
	Q	50°C			10.65	12.15	13.88	15.84	18.07	20.57	23.36	26.47	29.92	33.71	37.88	
	P				4.5	4.65	4.8	4.93	5.05	5.16	5.26	5.36	5.45	5.55	5.64	
	Q	45°C		7.51	8.83	10.33	12.04	13.96	16.12	18.53	21.22	24.2	27.5	31.12	35.09	39.43
	P			3.68	3.89	4.08	4.24	4.4	4.53	4.65	4.76	4.87	4.96	5.05	5.14	5.23
	Q	40°C		7.04	8.56	10.26	12.16	14.27	16.61	19.21	22.08	25.24	28.7	32.5	36.64	41.15
	P			3.32	3.54	3.74	3.91	4.07	4.21	4.33	4.44	4.54	4.63	4.72	4.8	4.88
	Q	35°C		6.82	8.53	10.42	12.5	14.79	17.31	20.08	23.12	26.44	30.08	34.03		
	P			3.03	3.26	3.46	3.64	3.8	3.94	4.07	4.18	4.27	4.36	4.44		
	Q	30°C		6.82	8.71	10.77	13.02	15.48	18.17	21.11	24.31	27.79	31.58			
	P			2.8	3.03	3.24	3.43	3.59	3.73	3.85	3.96	4.05	4.13			
	Q	25°C		7.01	9.07	11.3	13.72	16.34	19.19	22.28	25.63	29.27				
	P			2.62	2.86	3.07	3.26	3.42	3.56	3.68	3.78	3.87				
	Q	20°C		7.37	9.59	11.98	14.55	17.32	20.32	23.56	27.06					
	P			2.48	2.72	2.94	3.13	3.29	3.42	3.54	3.63					
WW79KE-TFD-GV1	Q	75°C									24.72	26.91	29.55	32.66	36.29	
	P									9.45	9.51	9.57	9.62	9.68		
	Q	70°C							20.47	22.14	24.19	26.64	29.53	32.89	36.75	
	P							8.29	8.38	8.46	8.53	8.6	8.66	8.73		
	Q	65°C						18.15	19.76	21.7	24	26.7	29.83	33.42	37.5	
	P							7.31	7.43	7.53	7.61	7.69	7.76	7.83	7.9	
	Q	60°C					15.96	17.53	19.4	21.59	24.13	27.07	30.42	34.22	38.5	
	P						6.43	6.57	6.69	6.8	6.88	6.96	7.04	7.12	7.2	
	Q	55°C				13.84	15.42	17.25	19.36	21.79	24.56	27.71	31.26	35.26	39.74	
	P					5.64	5.8	5.95	6.07	6.17	6.26	6.35	6.43	6.51	6.6	
	Q	50°C			11.76	13.38	15.2	17.27	19.61	22.26	25.24	28.59	32.34	36.52	41.16	
	P				4.91	5.1	5.27	5.41	5.54	5.64	5.74	5.83	5.91	6	6.09	
	Q	45°C		8.1	9.66	11.36	13.22	15.28	17.57	20.12	22.97	26.15	29.68	33.61	37.95	42.75
	P			3.98	4.24	4.47	4.66	4.83	4.97	5.09	5.2	5.3	5.39	5.48	5.58	5.67
	Q	40°C		7.51	9.32	11.25	13.33	15.61	18.11	20.86	23.9	27.25	30.96	35.04	39.54	44.48
	P			3.62	3.88	4.1	4.29	4.46	4.6	4.73	4.84	4.94	5.03	5.13	5.22	5.33
	Q	35°C		7.21	9.25	11.4	13.69	16.17	18.86	21.8	25.01	28.52	32.38	36.61		
	P			3.33	3.58	3.8	3.99	4.16	4.3	4.42	4.53	4.64	4.73	4.83		
	Q	30°C		7.17	9.42	11.78	14.27	16.93	19.8	22.9	26.26	29.93	33.92			
	P			3.09	3.34	3.56	3.74	3.91	4.05	4.17	4.28	4.39	4.49			
	Q	25°C		7.36	9.81	12.35	15.02	17.86	20.88	24.13	27.64	31.44				
	P			2.9	3.14	3.35	3.54	3.7	3.84	3.96	4.07	4.18				
	Q	20°C		7.75	10.38	13.1	15.93	18.92	22.09	25.47	29.1					
	P			2.73	2.98	3.18	3.36	3.52	3.66	3.78	3.89					

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WW94KE-TFD-GV1	Q	75°C									29.07	31.65	34.74	38.41	42.67	
	P									11.11	11.18	11.25	11.32	11.38		
	Q	70°C							24.07	26.03	28.44	31.32	34.72	38.67	43.21	
	P							9.75	9.86	9.95	10.04	10.11	10.18	10.26		
	Q	65°C						21.35	23.23	25.51	28.22	31.4	35.07	39.3	44.09	
	P						8.6	8.74	8.85	8.95	9.04	9.13	9.21	9.29		
	Q	60°C					18.77	20.62	22.81	25.39	28.38	31.83	35.77	40.24	45.28	
	P						7.57	7.73	7.87	7.99	8.1	8.19	8.28	8.37	8.46	
	Q	55°C				16.28	18.13	20.28	22.77	25.62	28.88	32.58	36.76	41.47	46.73	
	P					6.63	6.82	6.99	7.13	7.26	7.36	7.46	7.56	7.66	7.76	
	Q	50°C			13.82	15.73	17.88	20.31	23.06	26.17	29.68	33.62	38.03	42.94	48.4	
	P				5.77	6	6.2	6.37	6.51	6.64	6.75	6.85	6.95	7.06	7.17	
	Q	45°C		9.53	11.36	13.35	15.54	17.97	20.66	23.66	27.01	30.75	34.9	39.52	44.63	50.28
	P			4.68	4.99	5.25	5.48	5.68	5.84	5.99	6.12	6.23	6.34	6.45	6.56	6.67
	Q	40°C		8.83	10.95	13.22	15.68	18.36	21.3	24.53	28.1	32.05	36.4	41.21	46.49	52.3
	P			4.26	4.56	4.82	5.05	5.24	5.41	5.56	5.69	5.81	5.92	6.03	6.14	6.27
	Q	35°C		8.48	10.87	13.4	16.1	19.02	22.18	25.63	29.41	33.54	38.08	43.05		
	P			3.91	4.21	4.47	4.7	4.89	5.05	5.2	5.33	5.45	5.57	5.68		
	Q	30°C		8.43	11.08	13.85	16.78	19.91	23.28	26.93	30.89	35.19	39.89			
	P			3.63	3.93	4.18	4.4	4.59	4.76	4.9	5.04	5.16	5.28			
	Q	25°C		8.66	11.53	14.53	17.67	21	24.56	28.38	32.5	36.97				
	P			3.41	3.7	3.95	4.16	4.35	4.51	4.66	4.79	4.91				
	Q	20°C		9.11	12.21	15.4	18.73	22.25	25.97	29.95	34.22					
	P			3.22	3.5	3.74	3.96	4.14	4.3	4.44	4.58					
WW108KE-TFD-GV1	Q	75°C									33.81	36.8	40.41	44.67	49.63	
	P									12.92	13.01	13.09	13.16	13.24		
	Q	70°C							27.99	30.28	33.08	36.43	40.38	44.98	50.26	
	P							11.34	11.47	11.58	11.67	11.76	11.84	11.93		
	Q	65°C						24.83	27.02	29.67	32.82	36.51	40.79	45.7	51.28	
	P						10	10.16	10.3	10.41	10.52	10.61	10.71	10.81		
	Q	60°C					21.82	23.98	26.53	29.52	33	37.01	41.6	46.8	52.66	
	P						8.8	8.99	9.15	9.29	9.42	9.52	9.63	9.73	9.84	
	Q	55°C					18.93	21.09	23.59	26.48	29.79	33.58	37.89	42.76	48.23	54.34
	P						7.71	7.94	8.13	8.3	8.44	8.57	8.68	8.79	8.9	9.02
	Q	50°C			16.08	18.29	20.79	23.62	26.82	30.44	34.52	39.1	44.22	49.94	56.29	
	P				6.71	6.98	7.21	7.4	7.57	7.72	7.85	7.97	8.09	8.21	8.33	
	Q	45°C		11.08	13.21	15.53	18.08	20.89	24.03	27.52	31.42	35.76	40.59	45.96	51.9	58.47
	P			5.44	5.8	6.11	6.37	6.6	6.8	6.97	7.11	7.25	7.37	7.5	7.62	7.76
	Q	40°C		10.27	12.74	15.38	18.24	21.35	24.77	28.53	32.68	37.27	42.34	47.92	54.07	60.83
	P			4.95	5.3	5.61	5.87	6.1	6.29	6.46	6.61	6.75	6.88	7.01	7.14	7.29
	Q	35°C		9.86	12.64	15.59	18.73	22.12	25.8	29.81	34.2	39.01	44.28	50.06		
	P			4.55	4.9	5.2	5.46	5.68	5.88	6.05	6.2	6.34	6.47	6.61		
	Q	30°C		9.81	12.88	16.1	19.51	23.16	27.08	31.32	35.92	40.93	46.39			
	P			4.23	4.57	4.87	5.12	5.34	5.53	5.7	5.86	6	6.14			
	Q	25°C		10.07	13.41	16.89	20.55									

型号 Model	项目 Item (KW)	Tc\Te	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C										
WW125KE-TFD-GV1	Q	75°C									38.02	41.39	45.44	50.23	55.81										
	P										14.53	14.63	14.72	14.8	14.89										
	Q	70°C								31.48	34.05	37.2	40.97	45.41	50.58	56.52									
	P									12.75	12.89	13.02	13.13	13.22	13.32	13.42									
	Q	65°C								27.92	30.39	33.37	36.91	41.06	45.87	51.39	57.67								
	P									11.25	11.43	11.58	11.71	11.83	11.93	12.04	12.15								
	Q	60°C								24.54	26.96	29.83	33.2	37.12	41.63	46.78	52.63	59.22							
	P									9.89	10.11	10.29	10.45	10.59	10.71	10.83	10.94	11.07							
	Q	55°C								21.29	23.72	26.53	29.78	33.51	37.77	42.61	48.08	54.23	61.11						
	P									8.67	8.92	9.14	9.33	9.49	9.63	9.76	9.89	10.01	10.15						
	Q	50°C								18.08	20.57	23.38	26.56	30.16	34.23	38.82	43.97	49.73	56.16	63.31					
	P									7.55	7.85	8.11	8.33	8.52	8.68	8.83	8.96	9.09	9.23	9.37					
	Q	45°C		12.46	14.86	17.46	20.33	23.5	27.02	30.95	35.33	40.22	45.65	51.69	58.37	65.75									
	P			6.12	6.52	6.87	7.17	7.42	7.64	7.83	8	8.15	8.29	8.43	8.57	8.73									
	Q	40°C		11.55	14.33	17.3	20.51	24.01	27.85	32.09	36.76	41.92	47.61	53.89	60.81	68.41									
	P			5.57	5.97	6.31	6.6	6.86	7.08	7.27	7.44	7.59	7.74	7.88	8.03	8.19									
	Q	35°C		11.09	14.22	17.53	21.06	24.87	29.01	33.52	38.46	43.87	49.8	56.3											
	P			5.12	5.51	5.85	6.14	6.39	6.61	6.8	6.97	7.13	7.28	7.43											
	Q	30°C		11.03	14.49	18.11	21.94	26.04	30.45	35.22	40.39	46.03	52.17												
	P			4.75	5.14	5.47	5.76	6.01	6.22	6.41	6.59	6.75	6.9												
Q	25°C		11.32	15.09	19	23.11	27.46	32.12	37.12	42.51	48.35														
P			4.45	4.83	5.16	5.44	5.69	5.9	6.09	6.26	6.42														
Q	20°C		11.92	15.96	20.14	24.5	29.09	33.97	39.18	44.76															
P			4.21	4.58	4.9	5.17	5.41	5.62	5.81	5.98															
WW138KE-TFD-GV1	Q	75°C									43.68	47.54	52.2	57.7	64.11										
	P									16.69	16.8	16.9	17	17.1											
	Q	70°C								36.16	39.11	42.73	47.06	52.16	58.1	64.92									
	P									14.64	14.81	14.95	15.08	15.19	15.3	15.42									
	Q	65°C								32.07	34.91	38.33	42.4	47.17	52.69	59.04	66.25								
	P									12.92	13.13	13.3	13.45	13.59	13.71	13.83	13.96								
	Q	60°C								28.19	30.97	34.27	38.14	42.64	47.82	53.74	60.45	68.02							
	P									11.37	11.62	11.83	12.01	12.16	12.3	12.44	12.57	12.71							
	Q	55°C								24.45	27.24	30.47	34.2	38.49	43.38	48.95	55.23	62.3	70.2						
	P									9.96	10.25	10.5	10.72	10.9	11.06	11.21	11.36	11.5	11.65						
	Q	50°C								20.77	23.63	26.86	30.51	34.65	39.32	44.59	50.51	57.13	64.52	72.72					
	P									8.67	9.02	9.31	9.57	9.78	9.97	10.14	10.29	10.45	10.6	10.77					
	Q	45°C		14.31	17.07	20.06	23.35	26.99	31.04	35.55	40.59	46.2	52.44	59.37	67.05	75.53									
	P			7.03	7.49	7.89	8.24	8.53	8.78	9	9.19	9.36	9.53	9.69	9.85	10.03									
	Q	40°C		13.27	16.46	19.87	23.56	27.58	31.99	36.86	42.22	48.15	54.69	61.91	69.85	78.58									
	P			6.39	6.85	7.25	7.59	7.88	8.13	8.35	8.54	8.72	8.89	9.06	9.23	9.41									
	Q	35°C		12.74	16.33	20.13	24.19	28.57	33.33	38.51	44.18	50.39	57.21	64.67											
	P			5.88	6.33	6.72	7.05	7.34	7.59	7.81	8.01	8.19	8.36	8.53											
	Q	30°C		12.67	16.64	20.8	25.21	29.91	34.98	40.45	46.4	52.87	59.93												
	P			5.46	5.9	6.29	6.62	6.9	7.15	7.37	7.57	7.75	7.93												
Q	25°C		13.01	17.33	21.82	26.54	31.55	36.89	42.64	48.83	55.54														
P			5.12	5.55	5.93	6.25	6.53	6.78	7	7.19	7.38														
Q	20°C		13.69	18.34	23.14	28.14	33.42	39.02	45	51.42															
P			4.83	5.26	5.62	5.94	6.22	6.46	6.68	6.87															

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C										
WW154KE-TFD-GV1	Q	75°C									47.84	52.08	57.18	63.21	70.23										
	P									18.28	18.41	18.52	18.62	18.73											
	Q	70°C								39.61	42.84	46.8	51.55	57.14	63.64	71.12									
	P									16.04	16.23	16.38	16.52	16.64	16.76	16.89									
	Q	65°C								35.13	38.23	41.99	46.44	51.67	57.72	64.67	72.57								
	P									14.15	14.38	14.57	14.74	14.88	15.02	15.15	15.29								
	Q	60°C								30.88	33.93	37.54	41.78	46.7	52.38	58.86	66.22	74.51							
	P									12.45	12.72	12.95	13.15	13.32	13.48	13.62	13.77	13.93							
	Q	55°C								26.78	29.84	33.38	37.47	42.16	47.52	53.62	60.5	68.24	76.9						
	P									10.91	11.23	11.5	11.74	11.94	12.12	12.28	12.44	12.6	12.77						
	Q	50°C								22.75	25.88	29.42	33.42	37.95	43.07	48.84	55.32	62.58	70.67	79.66					
	P									9.5	9.88	10.2	10.48	10.71	10.92	11.11	11.28	11.44	11.61	11.79					
	Q	45°C		15.68	18.7	21.98	25.58	29.57	34	38.94	44.46	50.6	57.44	65.04	73.45	82.74									
	P			7.7	8.21	8.64	9.02	9.34	9.62	9.86	10.07	10.26	10.44	10.61	10.79	10.98									
	Q	40°C		14.54	18.03	21.76	25.8	30.21	35.05	40.37	46.25	52.74	59.91	67.81	76.51	86.07									
	P			7	7.51	7.94	8.31	8.63	8.91	9.15	9.36	9.55	9.74	9.92	10.11	10.31									
	Q	35°C		13.96	17.89	22.05	26.5	31.3	36.5	42.18	48.39	55.2	62.66	70.84											
	P			6.44	6.93	7.36	7.73	8.04	8.32	8.56	8.77	8.97	9.16	9.35											
	Q	30°C		13.88	18.23	22.79	27.61	32.77	38.31	44.31	50.83	57.92	65.65												
	P			5.98	6.47	6.88	7.25	7.56	7.83	8.07	8.29	8.49	8.68												
Q	25°C		14.25	18.98	23.9	29.08	34.56	40.41	46.7	53.49	60.83														
P			5.61	6.08	6.49	6.85	7.16	7.43	7.66	7.88	8.08														
Q	20°C		15	20.09	25.34	30.83	36.61	42.74	49.29	56.32															
P			5.29	5.76	6.16	6.51	6.81	7.08	7.31	7.53															
WW170KE-TFD-GV1	Q	75°C									56.98	62.02	68.09	75.27	83.63										
	P									21.77	21.92	22.05	22.18	22.31											
	Q	70°C								47.17	51.02	55.74	61.39	68.05	75.79	84.69									
	P									19.1	19.32	19.51	19.67	19.82	19.96	20.11									
	Q	65°C								41.84	45.53	50	55.31	61.53	68.74	77.01	86.42								
	P									16.86	17.13	17.35	17.55	17.72	17.88	18.04	18.21								
	Q	60°C								36.78	40.41	44.71	49.75	55.62	62.38	70.1	78.86	88.74							
	P																								

型号 Model	项目 Item (KW)	Tc\Te	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C					
WW250KE-TWD-GV1	Q	75°C									74.4	80.98	88.91	98.29	109.2					
	P										28.43	28.62	28.79	28.96	29.13					
	Q	70°C								61.6	66.62	72.78	80.16	88.85	98.97	110.59				
	P										24.94	25.23	25.47	25.68	25.88	26.06	26.26			
	Q	65°C								54.63	59.46	65.29	72.22	80.34	89.76	100.56	112.84			
	P										22.01	22.36	22.66	22.91	23.14	23.35	23.56	23.78		
	Q	60°C								48.02	52.76	58.38	64.96	72.62	81.45	91.53	102.97	115.87		
	P										19.36	19.78	20.14	20.45	20.72	20.96	21.19	21.41	21.65	
	Q	55°C								41.65	46.4	51.91	58.26	65.56	73.9	83.37	94.08	106.12	119.58	
	P										16.96	17.46	17.89	18.25	18.57	18.85	19.1	19.34	19.59	19.85
	Q	50°C								35.38	40.25	45.75	51.98	59.02	66.98	75.95	86.03	97.31	109.89	123.87
	P										14.77	15.36	15.86	16.29	16.66	16.98	17.27	17.54	17.79	18.06
	Q	45°C		24.38	29.07	34.17	39.77	45.97	52.87	60.56	69.13	78.69	89.32	101.13	114.21	128.66				
	P			11.97	12.76	13.44	14.03	14.53	14.96	15.33	15.66	15.95	16.23	16.5	16.78	17.08				
	Q	40°C		22.6	28.03	33.84	40.13	46.98	54.5	62.78	71.92	82.01	93.16	105.45	118.98	133.85				
	P			10.89	11.67	12.35	12.92	13.42	13.85	14.22	14.55	14.86	15.14	15.42	15.72	16.03				
	Q	35°C		21.7	27.82	34.29	41.21	48.67	56.77	65.59	75.25	85.84	97.44	110.16						
	P			10.01	10.78	11.44	12.02	12.51	12.93	13.31	13.64	13.95	14.24	14.54						
	Q	30°C		21.58	28.35	35.43	42.94	50.95	59.58	68.91	79.04	90.06	102.08							
	P			9.3	10.05	10.71	11.27	11.75	12.18	12.55	12.89	13.2	13.5							
Q	25°C		22.15	29.52	37.17	45.21	53.74	62.84	72.62	83.18	94.6									
P			8.72	9.46	10.1	10.65	11.13	11.55	11.92	12.25	12.57									
Q	20°C		23.32	31.23	39.41	47.94	56.93	66.47	76.65	87.58										
P			8.23	8.95	9.58	10.12	10.59	11.01	11.37	11.71										
WW300KE-TWD-GV1	Q	75°C									91.57	99.67	109.43	120.97	134.4					
	P										34.99	35.23	35.44	35.64	35.85					
	Q	70°C								75.81	82	89.58	98.66	109.36	121.8	136.11				
	P										30.7	31.05	31.35	31.61	31.85	32.08	32.32			
	Q	65°C								67.23	73.18	80.35	88.88	98.88	110.47	123.76	138.88			
	P										27.09	27.52	27.89	28.2	28.48	28.74	29	29.27		
	Q	60°C								59.1	64.93	71.85	79.96	89.38	100.24	112.65	126.74	142.61		
	P										23.83	24.35	24.79	25.17	25.5	25.79	26.07	26.36	26.65	
	Q	55°C								51.26	57.11	63.89	71.71	80.69	90.95	102.61	115.79	130.6	147.17	
	P										20.87	21.49	22.02	22.47	22.85	23.2	23.51	23.81	24.11	24.43
	Q	50°C								43.54	49.54	56.31	63.97	72.64	82.44	93.48	105.88	119.77	135.25	152.46
	P										18.18	18.91	19.52	20.05	20.51	20.9	21.26	21.58	21.9	22.22
	Q	45°C		30.01	35.78	42.06	48.95	56.58	65.07	74.53	85.08	96.85	109.94	124.47	140.57	158.35				
	P			14.73	15.71	16.55	17.26	17.88	18.41	18.87	19.27	19.63	19.97	20.31	20.65	21.02				
	Q	40°C		27.82	34.5	41.65	49.38	57.82	67.07	77.27	88.52	100.94	114.66	129.78	146.43	164.73				
	P			13.41	14.37	15.19	15.91	16.52	17.04	17.5	17.91	18.28	18.64	18.98	19.35	19.73				
	Q	35°C		26.71	34.24	42.21	50.72	59.9	69.87	80.73	92.62	105.65	119.93	135.58						
	P			12.32	13.27	14.09	14.79	15.39	15.92	16.38	16.79	17.17	17.53	17.89						
	Q	30°C		26.56	34.89	43.61	52.85	62.71	73.33	84.81	97.28	110.85	125.64							
	P			11.45	12.37	13.18	13.87	14.47	14.99	15.45	15.86	16.25	16.62							
Q	25°C		27.27	36.33	45.75	55.65	66.14	77.35	89.38	102.37	116.43									
P			10.73	11.64	12.43	13.11	13.7	14.21	14.67	15.08	15.47									
Q	20°C		28.71	38.44	48.5	59	70.07	81.81	94.34	107.79										
P			10.13	11.02	11.79	12.46	13.04	13.54	14	14.41										

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C						
WW28KE-TFD-GV1	Q	72°C									8.06	9.29	10.67	12.21	13.9						
	P										2.84	2.86	2.88	2.89	2.89						
	Q	70°C									8.13	9.39	10.8	12.37	14.1						
	P										2.75	2.78	2.79	2.81	2.81						
	Q	65°C								6.15	7.17	8.35	9.69	11.18	12.84	14.67					
	P										2.46	2.5	2.54	2.57	2.6	2.61	2.62				
	Q	60°C								5.36	6.29	7.38	8.63	10.04	11.62	13.38	15.31				
	P										2.19	2.25	2.3	2.35	2.39	2.41	2.43	2.44			
	Q	55°C								4.66	5.5	6.49	7.64	8.96	10.46	12.13	13.98	16.03			
	P										1.92	1.99	2.06	2.12	2.17	2.21	2.24	2.26	2.27		
	Q	50°C								3.5	4.07	4.79	5.68	6.73	7.96	9.36	10.94	12.7	14.66	16.81	
	P										1.54	1.64	1.73	1.81	1.89	1.95	2.01	2.05	2.08	2.1	2.11
	Q	45°C								3.14	3.58	4.19	4.96	5.91	7.02	8.32	9.8	11.48	13.34	15.4	17.67
	P										1.25	1.36	1.47	1.57	1.66	1.74	1.8	1.86	1.91	1.94	1.95
	Q	40°C		2.9	3.21	3.7	4.35	5.17	6.17	7.36	8.74	10.3	12.07	14.04	16.21	18.6					
	P			0.95	1.08	1.21	1.32	1.43	1.52	1.6	1.67	1.73	1.77	1.8	1.81	1.8					
	Q	35°C		2.96	3.31	3.83	4.53	5.41	6.48	7.74	9.2	10.86	12.72								
	P			0.8	0.95	1.08	1.2	1.31	1.4	1.48	1.55	1.61	1.65								
	Q	30°C		3.05	3.43	4	4.75	5.69	6.83	8.16											
	P			0.69	0.83	0.97	1.09	1.21	1.3	1.38											
Q	25°C		3.15	3.58	4.19	4.99															
P			0.6	0.75	0.89	1.01															
Q	20°C		3.27																		
P			0.53																		
WW34KE-TFD-GV1	Q	72°C									10.97	12.64	14.52	16.6	18.9						
	P										3.87	3.89	3.91	3.93	3.93						
	Q	70°C									11.06	12.78	14.7	16.83	19.18						
	P										3.74	3.78	3.8	3.82	3.82						
	Q	65°C								8.36	9.76	11.36	13.17	15.21	17.46	19.95					
	P										3.34	3.4	3.46	3.5	3.53	3.56	3.57				
	Q	60°C								7.29	8.56	10.04	11.74	13.66	15.81	18.19	20.82				
	P										2.98	3.06	3.13	3.19	3.24	3.28	3.31	3.32			
	Q	55°C								6.34	7.48	8.83	10.4	12.19	14.23	16.5	19.02	21.8			
	P										2.61	2.71	2.8	2.88	2.95	3.01	3.05	3.08	3.09		
	Q	50°C								4.77	5.54	6.52	7.73	9.16	10.82	12.73	14.88	17.28	19.94	22.87	
	P										2.1	2.23	2.35	2.47	2.57	2.66	2.73	2.79	2.84	2.86	2.87
	Q	45°C								4.27	4.88	5.7	6.75	8.03	9.56	11.32	13.34	15.61	18.15	20.95	24.04
	P										1.7	1.85	2	2.13	2.25	2.36	2.45	2.53	2.59	2.63	2.66
	Q	40°C		3.94	4.37	5.03	5.91	7.03	8.4	10.01	11.88	14.02	16.42	19.09	22.05	25.3					
	P			1.29	1.47	1.64	1.8	1.94	2.07	2.18	2.27	2.35	2.41	2.44	2.46	2.45					
	Q	35°C		4.03	4.51	5.21	6.17	7.36	8.82	10.53	12.51	14.77	17.3								
	P			1.09	1.29	1.46	1.63	1.78	1.91	2.02	2.11	2.19	2.24								
	Q	30°C		4.15	4.67	5.44	6.46	7.74	9.29	11.11											
	P			0.93	1.14	1.32	1.49	1.64	1.77	1.88											
Q	25°C		4.29	4.86	5.7	6.79															
P			0.81	1.02	1.21	1.38															
Q	20°C																				



型号 Model	项目 Item (KW)	Tc\Te	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WW94KE-TFD-GV1	Q	72°C									28.38	32.51	37.15	42.3	47.97	
	P										10.56	10.78	10.95	11.07	11.14	
	Q	70°C									28.48	32.66	37.33	42.52	48.24	
	P										10.14	10.34	10.5	10.61	10.66	
	Q	65°C							21.78	25.1	28.9	33.19	37.98	43.29	49.12	
	P								8.68	8.93	9.15	9.32	9.44	9.52	9.55	
	Q	60°C						19.15	22.14	25.6	29.53	33.96	38.89	44.33	50.31	
	P							7.6	7.85	8.06	8.24	8.38	8.47	8.53	8.54	
	Q	55°C					16.84	19.53	22.68	26.29	30.39	34.97	40.06	45.67	51.8	
	P						6.64	6.89	7.1	7.27	7.42	7.53	7.6	7.63	7.63	
	Q	50°C			12.77	14.76	17.19	20.06	23.39	27.18	31.45	36.22	41.49	47.28	53.6	
	P				5.56	5.81	6.04	6.24	6.42	6.56	6.68	6.76	6.82	6.84	6.83	
	Q	45°C		11.07	12.84	15.04	17.66	20.73	24.26	28.26	32.73	37.71	43.18	49.18	55.71	
	P			4.88	5.1	5.31	5.5	5.67	5.81	5.93	6.02	6.09	6.13	6.15	6.13	
	Q	40°C		9.42	11	12.99	15.41	18.26	21.55	25.3	29.52	34.23	39.42	45.13	51.35	58.11
	P			4.32	4.52	4.7	4.87	5.03	5.16	5.28	5.37	5.45	5.51	5.54	5.55	5.54
	Q	35°C		9.16	10.98	13.22	15.88	18.97	22.51	26.51	30.97	35.93	41.37			
	P			4.06	4.21	4.36	4.49	4.61	4.72	4.82	4.9	4.96	5.01			
	Q	30°C		8.92	11.02	13.52	16.44	19.8	23.61	27.87						
	P			3.84	3.95	4.06	4.17	4.27	4.35	4.43						
Q	25°C		8.72	11.1	13.88	17.1										
P			3.66	3.74	3.82	3.9										
Q	20°C		8.54													
P			3.53													
WW108KE-TFD-GV1	Q	72°C									33.01	37.81	43.2	49.19	55.79	
	P									12.28	12.54	12.74	12.88	12.95		
	Q	70°C									33.13	37.98	43.42	49.45	56.1	
	P										11.79	12.03	12.21	12.34	12.4	
	Q	65°C							25.33	29.19	33.61	38.6	44.17	50.34	57.12	
	P								10.09	10.39	10.64	10.83	10.98	11.07	11.1	
	Q	60°C						22.28	25.75	29.77	34.35	39.5	45.23	51.56	58.51	
	P							8.83	9.13	9.38	9.58	9.74	9.85	9.92	9.93	
	Q	55°C					19.59	22.72	26.38	30.58	35.34	40.67	46.59	53.11	60.25	
	P						7.72	8.01	8.25	8.46	8.63	8.75	8.84	8.88	8.87	
	Q	50°C			14.85	17.17	19.99	23.33	27.2	31.61	36.58	42.12	48.26	54.99	62.34	
	P				6.46	6.76	7.03	7.26	7.46	7.63	7.77	7.87	7.93	7.95	7.94	
	Q	45°C		12.87	14.94	17.49	20.54	24.11	28.21	32.86	38.07	43.85	50.22	57.2	64.79	
	P			5.67	5.94	6.18	6.4	6.59	6.76	6.9	7	7.08	7.13	7.15	7.13	
	Q	40°C		10.95	12.79	15.11	17.92	21.23	25.06	29.42	34.33	39.8	45.85	52.49	59.72	67.58
	P			5.03	5.26	5.47	5.67	5.85	6	6.14	6.25	6.34	6.41	6.45	6.46	6.44
	Q	35°C		10.65	12.77	15.37	18.46	22.06	26.18	30.83	36.02	41.78	48.12			
	P			4.72	4.9	5.07	5.22	5.37	5.49	5.6	5.7	5.77	5.83			
	Q	30°C		10.38	12.81	15.72	19.12	23.03	27.45	32.42						
	P			4.46	4.6	4.73	4.85	4.96	5.06	5.16						
Q	25°C		10.14	12.9	16.15	19.88										
P			4.26	4.35	4.45	4.54										
Q	20°C		9.93													
P			4.1													

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C	
WW125KE-TFD-GV1	Q	72°C									37.12	42.52	48.59	55.32	62.74	
	P									13.81	14.1	14.33	14.48	14.57		
	Q	70°C									37.25	42.71	48.83	55.61	63.09	
	P										13.26	13.53	13.74	13.87	13.95	
	Q	65°C							28.49	32.83	37.8	43.41	49.67	56.61	64.24	
	P								11.35	11.68	11.96	12.18	12.35	12.45	12.49	
	Q	60°C						25.05	28.96	33.48	38.63	44.42	50.86	57.98	65.8	
	P							9.94	10.27	10.55	10.78	10.96	11.08	11.15	11.17	
	Q	55°C					22.03	25.55	29.66	34.39	39.74	45.74	52.4	59.73	67.75	
	P						8.69	9.01	9.28	9.51	9.7	9.84	9.94	9.98	9.98	
	Q	50°C			16.7	19.31	22.48	26.24	30.58	35.55	41.14	47.37	54.27	61.84	70.11	
	P				7.27	7.6	7.9	8.16	8.39	8.58	8.73	8.85	8.92	8.95	8.93	
	Q	45°C		14.48	16.8	19.67	23.1	27.12	31.73	36.96	42.81	49.31	56.48	64.32	72.86	
	P			6.38	6.68	6.95	7.2	7.41	7.6	7.75	7.88	7.97	8.02	8.04	8.02	
	Q	40°C		12.31	14.39	16.99	20.15	23.88	28.18	33.09	38.61	44.76	51.56	59.02	67.17	76
	P			5.65	5.91	6.15	6.37	6.57	6.75	6.9	7.03	7.13	7.2	7.25	7.26	7.25
	Q	35°C		11.97	14.36	17.29	20.76	24.81	29.44	34.67	40.51	46.99	54.11			
	P			5.31	5.51	5.7	5.87	6.03	6.18	6.3	6.41	6.49	6.56			
	Q	30°C		11.67	14.41	17.68	21.5	25.9	30.87	36.45						
	P			5.02	5.17	5.32	5.45	5.58	5.69	5.8						
Q	25°C		11.4	14.51	18.16	22.36										
P			4.79	4.9	5	5.11										
Q	20°C		11.16													
P			4.61													
WW138KE-TFD-GV1	Q	72°C									42.64	48.85	55.81	63.55	72.07	
	P									15.86	16.2	16.46	16.64	16.73		
	Q	70°C									42.79	49.06	56.09	63.88	72.47	
	P										15.23	15.54	15.78	15.94	16.02	
	Q	65°C								32.72	37.71	43.42	49.86	57.06	65.03	73.79
	P									13.03	13.42	13.74	14	14.18	14.3	14.34
	Q	60°C							28.78	33.27	38.46	44.37	51.02	58.43	66.61	75.58
	P								11.41	11.79	12.12	12.38	12.58	12.73	12.81	12.83
	Q	55°C						25.3	29.35	34.07	39.5	45.65	52.54	60.19	68.61	77.83
	P							9.98	10.34	10.66	10.93	11.14	11.31	11.41	11.47	11.46
	Q	50°C			19.19	22.18	25.83	30.14	35.13	40.83	47.25	54.42	62.34	71.04	80.53	
	P				8.35	8.73	9.07	9.38	9.64	9.86	10.03	10.16	10.24	10.28	10.26	
	Q	45°C		16.63	19.3	22.59	26.53	31.15	36.45	42.45	49.18	56.65	64.88	73.89	83.69	
	P			7.32	7.67	7.98	8.27	8.51	8.73	8.91	9.05	9.15	9.21	9.23	9.21	
	Q	40°C		14.15	16.53	19.52	23.15	27.43	32.37	38.01	44.35	51.42	59.23	67.8	77.15	87.3
	P			6.49	6.79	7.07	7.32	7.55	7.75	7.93	8.07	8.19	8.27	8.33	8.34	8.32
	Q	35°C		13.76	16.5	19.86	23.85	28.5	33.81	39.82	46.53	53.97	62.16			
	P			6.1	6.33	6.55	6.75	6.93	7.1	7.24	7.36	7.46	7.53			
	Q	30°C		13.41	16.55	20.31	24.7	29.75	35.47	41.87						
	P			5.77	5.94	6.11	6.26	6.41	6.54	6.66						
Q	25°C		13.1	16.67	20.86	25.69										
P			5.5	5.62	5.75	5.86										
Q	20°C		12.83													
P			5.3													

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C					
WW154KE-TFD-GV1	Q	72°C									46.71	53.51	61.14	69.61	78.95					
	P										17.37	17.74	18.03	18.22	18.33					
	Q	70°C									46.88	53.74	61.44	69.98	79.38					
	P										16.68	17.02	17.28	17.46	17.55					
	Q	65°C								35.84	41.31	47.56	54.62	62.5	71.23	80.83				
	P									14.28	14.7	15.05	15.33	15.54	15.66	15.71				
	Q	60°C								31.52	36.44	42.13	48.6	55.89	64	72.96	82.79			
	P									12.5	12.92	13.27	13.56	13.78	13.94	14.03	14.05			
	Q	55°C								27.72	32.14	37.32	43.27	50.01	57.55	65.93	75.15	85.25		
	P									10.93	11.33	11.68	11.97	12.21	12.38	12.5	12.56	12.56		
	Q	50°C			21.02	24.3	28.29	33.01	38.48	44.73	51.76	59.61	68.28	77.81	88.21					
	P				9.15	9.56	9.94	10.27	10.56	10.8	10.99	11.13	11.22	11.26	11.24					
	Q	45°C		18.22	21.14	24.75	29.07	34.12	39.92	46.5	53.87	62.05	71.07	80.93	91.68					
	P			8.02	8.4	8.74	9.05	9.33	9.56	9.76	9.91	10.02	10.09	10.12	10.09					
	Q	40°C		15.49	18.1	21.38	25.36	30.04	35.46	41.64	48.58	56.32	64.88	74.27	84.51	95.63				
	P			7.11	7.44	7.74	8.02	8.27	8.49	8.68	8.84	8.97	9.06	9.12	9.14	9.12				
	Q	35°C		15.07	18.07	21.75	26.13	31.22	37.04	43.62	50.97	59.12	68.09							
	P			6.68	6.93	7.17	7.39	7.59	7.77	7.93	8.06	8.17	8.25							
	Q	30°C		14.69	18.13	22.24	27.06	32.58	38.85	45.87										
	P			6.32	6.51	6.69	6.86	7.02	7.17	7.3										
Q	25°C		14.35	18.26	22.85	28.14														
P			6.02	6.16	6.29	6.42														
Q	20°C		14.05																	
P			5.8																	
WW170KE-TFD-GV1	Q	72°C									55.62	63.72	72.81	82.9	94.02					
	P									20.69	21.13	21.47	21.7	21.83						
	Q	70°C									55.83	64.01	73.17	83.34	94.54					
	P										19.87	20.27	20.58	20.79	20.9					
	Q	65°C								42.69	49.2	56.64	65.04	74.43	84.83	96.26				
	P									17	17.51	17.93	18.26	18.5	18.65	18.71				
	Q	60°C								37.54	43.4	50.17	57.88	66.56	76.22	86.89	98.59			
	P									14.89	15.38	15.8	16.15	16.42	16.6	16.71	16.73			
	Q	55°C								33.01	38.28	44.45	51.53	59.55	68.54	78.51	89.5	101.53		
	P									13.02	13.49	13.91	14.26	14.54	14.75	14.89	14.96	14.96		
	Q	50°C			25.03	28.94	33.69	39.31	45.83	53.27	61.64	70.99	81.32	92.67	105.05					
	P				10.89	11.39	11.84	12.23	12.58	12.86	13.09	13.26	13.36	13.41	13.38					
	Q	45°C		21.7	25.17	29.47	34.62	40.63	47.55	55.38	64.15	73.9	84.63	96.39	109.18					
	P			9.55	10	10.41	10.78	11.11	11.39	11.62	11.8	11.94	12.02	12.05	12.02					
	Q	40°C		18.45	21.56	25.47	30.2	35.78	42.23	49.58	57.86	67.08	77.26	88.45	100.65	113.89				
	P			8.47	8.86	9.22	9.55	9.85	10.11	10.34	10.53	10.68	10.79	10.86	10.88	10.86				
	Q	35°C		17.94	21.52	25.91	31.12	37.18	44.11	51.95	60.7	70.41	81.09							
	P			7.95	8.26	8.54	8.8	9.04	9.26	9.44	9.6	9.73	9.83							
	Q	30°C		17.49	21.59	26.49	32.22	38.8	46.26	54.63										
	P			7.52	7.75	7.97	8.17	8.36	8.53	8.69										
Q	25°C		17.09	21.75	27.21	33.51														
P			7.18	7.34	7.49	7.65														
Q	20°C		16.73																	
P			6.91																	

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 superheating and 8.3K subcooling

型号 Model	项目 Item (KW)	Tc\Te	-35°C	-30°C	-25°C	-20°C	-15°C	-10°C	-5°C	0°C	5°C	10°C	15°C	20°C	25°C									
WW250KE-TWD-GV1	Q	72°C									72.63	83.21	95.07	108.24	122.76									
	P									27.01	27.59	28.03	28.34	28.5										
	Q	70°C									72.89	83.57	95.54	108.82	123.44									
	P									25.94	26.47	26.88	27.15	27.29										
	Q	65°C								55.74	64.24	73.96	84.93	97.19	110.77	125.7								
	P									22.2	22.86	23.41	23.84	24.16	24.36	24.43								
	Q	60°C								49.02	56.67	65.51	75.58	86.91	99.52	113.45	128.74							
	P									19.44	20.09	20.64	21.09	21.44	21.68	21.82	21.85							
	Q	55°C								43.1	49.99	58.04	67.29	77.76	89.49	102.52	116.87	132.57						
	P									17	17.62	18.16	18.61	18.98	19.26	19.44	19.53	19.53						
	Q	50°C				32.68	37.78	43.99	51.33	59.84	69.55	80.49	92.69	106.18	121	137.17								
	P					14.22	14.87	15.46	15.97	16.42	16.79	17.09	17.31	17.45	17.5	17.48								
	Q	45°C			28.33	32.87	38.48	45.2	53.06	62.08	72.31	83.77	96.49	110.51	125.85	142.56								
	P				12.48	13.06	13.6	14.08	14.5	14.87	15.17	15.41	15.59	15.69	15.73	15.69								
	Q	40°C		24.09	28.15	33.25	39.43	46.72	55.15	64.75	75.55	87.59	100.89	115.49	131.42	148.71								
	P			11.06	11.57	12.04	12.47	12.86	13.21	13.51	13.75	13.95	14.09	14.18	14.21	14.18								
	Q	35°C		23.43	28.1	33.83	40.63	48.54	57.6	67.83	79.26	91.94	105.88											
	P			10.39	10.78	11.15	11.5	11.81	12.09	12.33	12.54	12.71	12.83											
	Q	30°C		22.84	28.19	34.59	42.07	50.67	60.41	71.33														
	P			9.82	10.12	10.4	10.67	10.92	11.14	11.35														
Q	25°C		22.31	28.4	35.53	43.75																		
P			9.37	9.58	9.79	9.99																		
Q	20°C		21.85																					
P			9.03																					
WW300KE-TWD-GV1	Q	72°C												89.39	102.41	117.01	133.22	151.1						
	P													33.25	33.95	34.5	34.87	35.08						
	Q	70°C												89.72	102.86	117.59	133.93	151.93						
	P													31.93	32.58	33.08	33.41	33.59						
	Q	65°C												68.6	79.06	91.02	104.53	119.62	136.33	154.7				
	P													27.33	28.14	28.81	29.34	29.73	29.98	30.07				
	Q	60°C												60.33	69.74	80.63	93.02	106.96	122.49	139.64	158.45			
	P													23.93	24.72	25.4	25.95	26.38	26.68	26.85	26.89			
	Q	55°C												53.05	61.52	71.43	82.81	95.71	110.15	126.18	143.84	163.16		
	P													20.92	21.69	22.35	22.91	23.36	23.7	23.93	24.04	24.03		
	Q	50°C												40.22	46.5	54.14	63.18	73.65	85.6	99.07	114.08	130.69	148.93	168.83
	P													17.5	18.3	19.03	19.66	20.21	20.67	21.03	21.3	21.47	21.54	21.51
	Q	45°C			34.87	40.45	47.36	55.63	65.3	76.41	89	103.1	118.76	136.01	154.9	175.46								
	P				15.35	16.08	16.74	17.33	17.85	18.3	18.67	18.97	19.18	19.32	19.36	19.31								
	Q	40°C		29.65	34.65	40.92	48.53	57.5	67.87	79.69	92.98	107.8	124.17	142.14	161.75	183.03								
	P			13.61	14.24	14.82	15.35	15.83	16.25	16.62	16.93	17.17	17.35	17.45	17.49	17.45								
	Q	35°C		28.84	34.59	41.63	50.01																	

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	20°C	25°C	30°C
WW50HP-TFD-GV1	Q	65°C						10.18	11.4	12.97	14.88	17.12	19.67	22.52
	P							3.17	3.14	3.11	3.08	3.05	3.03	3.01
	Q	60°C					8.65	9.62	10.94	12.6	14.57	16.85	19.42	22.26
	P						2.87	2.85	2.83	2.8	2.78	2.76	2.74	2.72
	Q	55°C				7.52	8.28	9.37	10.79	12.52	14.55	16.86	19.44	22.28
	P					2.59	2.58	2.56	2.54	2.52	2.5	2.48	2.47	2.46
	Q	50°C			6.72	7.28	8.18	9.39	10.9	12.71	14.79	17.12	19.71	22.53
	P				2.32	2.32	2.3	2.29	2.27	2.26	2.24	2.23	2.22	2.22
	Q	45°C		6.16	6.56	7.28	8.31	9.63	11.23	13.1	15.22	17.58	20.17	22.96
	P			2.07	2.07	2.07	2.06	2.05	2.03	2.02	2	2	1.99	
	Q	40°C	5.77	6.03	6.6	7.46	8.62	10.04	11.73	13.66	15.81	18.19	20.77	
	P		1.84	1.85	1.85	1.85	1.84	1.83	1.82	1.81	1.8	1.79	1.79	
	Q	35°C	5.61	6.05	6.78	7.79	9.06	10.59	12.35	14.33	16.52	18.9		
	P		1.64	1.65	1.65	1.65	1.65	1.64	1.63	1.62	1.62	1.61		
	Q	30°C	5.55	6.17	7.07	8.21	9.6	11.22	13.04	15.07	17.29			
	P		1.47	1.48	1.49	1.48	1.48	1.47	1.47	1.46	1.46			
	Q	25°C	5.57	6.36	7.41	8.68	10.18	11.88	13.77	15.84				
	P		1.33	1.34	1.35	1.34	1.34	1.34	1.33	1.32				
	Q	20°C	5.61	6.57	7.76	9.16	10.76	12.54	14.49					
	P		1.23	1.23	1.23	1.23	1.23	1.22	1.22					
Q	15°C	5.62	6.75	8.08	9.6	11.29	13.14							
P		1.15	1.15	1.15	1.15	1.15	1.14							
Q	10°C	5.57	6.85	8.31	9.94	11.73								
P		1.1	1.1	1.1	1.1	1.09								
WW70HP-TFD-GV1	Q	65°C						12.32	13.79	15.69	18	20.71	23.8	27.25
	P						3.83	3.8	3.76	3.73	3.69	3.66	3.64	
	Q	60°C					10.46	11.64	13.24	15.24	17.62	20.38	23.49	26.93
	P						3.48	3.45	3.42	3.39	3.36	3.34	3.31	3.29
	Q	55°C				9.09	10.01	11.34	13.06	15.15	17.61	20.4	23.52	26.95
	P					3.13	3.12	3.09	3.07	3.05	3.02	3	2.99	2.97
	Q	50°C			8.12	8.81	9.89	11.36	13.19	15.37	17.89	20.72	23.84	27.25
	P				2.81	2.8	2.79	2.77	2.75	2.73	2.71	2.7	2.69	2.68
	Q	45°C	7.45	7.93	8.81	10.05	11.65	13.59	15.85	18.41	21.27	24.4	27.78	
	P		2.51	2.51	2.5	2.49	2.48	2.46	2.45	2.43	2.42	2.41	2.41	
	Q	40°C	6.98	7.29	7.98	9.03	10.42	12.15	14.19	16.52	19.13	22	25.12	
	P		2.23	2.24	2.24	2.23	2.22	2.21	2.2	2.19	2.18	2.17	2.17	
	Q	35°C	6.78	7.31	8.2	9.42	10.96	12.81	14.94	17.33	19.98	22.87		
	P		1.99	2	2	2	1.99	1.98	1.97	1.96	1.96	1.95		
	Q	30°C	6.72	7.47	8.55	9.93	11.61	13.57	15.78	18.24	20.91			
	P		1.78	1.79	1.8	1.79	1.79	1.78	1.77	1.77	1.76			
	Q	25°C	6.74	7.7	8.96	10.51	12.32	14.37	16.66	19.17				
	P		1.61	1.62	1.63	1.63	1.62	1.62	1.61	1.6				
	Q	20°C	6.78	7.95	9.39	11.08	13.01	15.17	17.53					
	P		1.48	1.49	1.49	1.49	1.49	1.48	1.47					
Q	15°C	6.8	8.16	9.77	11.61	13.66	15.9							
P		1.39	1.39	1.4	1.39	1.39	1.38							
Q	10°C	6.74	8.29	10.06	12.03	14.19								
P		1.33	1.33	1.33	1.33	1.32								

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 superheating 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	20°C	25°C	30°C
WW96HP-TFD-GV1	Q	65°C						18.31	20.49	23.31	26.75	30.77	35.36	40.49
	P						5.7	5.64	5.59	5.54	5.49	5.45	5.41	
	Q	60°C					15.54	17.3	19.67	22.64	26.19	30.29	34.91	40.02
	P						5.17	5.13	5.08	5.04	5	4.96	4.92	4.89
	Q	55°C				13.51	14.88	16.85	19.4	22.52	26.16	30.32	34.96	40.06
	P					4.66	4.63	4.6	4.56	4.53	4.49	4.46	4.44	4.42
	Q	50°C			12.07	13.09	14.7	16.88	19.6	22.85	26.58	30.79	35.43	40.5
	P				4.18	4.16	4.14	4.12	4.09	4.06	4.03	4.01	3.99	3.98
	Q	45°C		11.07	11.79	13.09	14.93	17.31	20.19	23.55	27.36	31.61	36.25	41.28
	P			3.73	3.73	3.72	3.7	3.68	3.66	3.63	3.61	3.6	3.59	3.58
	Q	40°C	10.38	10.83	11.86	13.42	15.49	18.06	21.08	24.55	28.43	32.7	37.33	
	P		3.31	3.32	3.32	3.32	3.31	3.29	3.27	3.25	3.24	3.23	3.22	
	Q	35°C	10.08	10.87	12.19	14	16.29	19.03	22.2	25.76	29.7	33.98		
	P		2.95	2.97	2.97	2.97	2.96	2.95	2.93	2.92	2.91	2.9		
	Q	30°C	9.98	11.1	12.7	14.76	17.26	20.16	23.45	27.1	31.08			
	P		2.65	2.66	2.67	2.67	2.66	2.65	2.64	2.63	2.62			
	Q	25°C	10.01	11.44	13.32	15.61	18.3	21.36	24.76	28.48				
	P		2.4	2.41	2.42	2.42	2.41	2.4	2.39	2.38				
	Q	20°C	10.08	11.81	13.95	16.47	19.34	22.54	26.05					
	P		2.2	2.22	2.22	2.22	2.21	2.2	2.19					
Q	15°C	10.11	12.13	14.52	17.25	20.3	23.63							
P		2.06	2.07	2.07	2.07	2.06	2.05							
Q	10°C	10.01	12.32	14.95	17.88	21.08								
P		1.97	1.98	1.98	1.98	1.97								
WW126HP-TFD-GV1	Q	65°C						24.62	27.39	30.69	34.6	39.19	44.54	50.72
	P						7.63	7.64	7.66	7.71	7.78	7.88	8.01	
	Q	60°C					22.02	24.55	27.56	31.12	35.33	40.24	45.94	52.5
	P						6.83	6.83	6.83	6.85	6.89	6.95	7.03	7.14
	Q	55°C				19.6	21.9	24.64	27.89	31.72	36.22	41.45	47.5	54.44
	P					6.1	6.09	6.09	6.09	6.11	6.14	6.19	6.26	6.35
	Q	50°C			17.33	19.43	21.92	24.87	28.36	32.47	37.26	42.83	49.23	56.56
	P				5.42	5.42	5.42	5.42	5.42	5.44	5.46	5.5	5.55	5.62
	Q	45°C		15.2	17.13	19.39	22.07	25.24	28.98	33.36	38.46	44.35	51.11	58.83
	P			4.78	4.8	4.81	4.81	4.82	4.82	4.83	4.85	4.87	4.91	4.96
	Q	40°C	13.21	14.98	17.05	19.48	22.35	25.74	29.73	34.39	39.79	46.02	53.14	
	P		4.16	4.21	4.24	4.27	4.28	4.29	4.29	4.3	4.31	4.32	4.34	
	Q	35°C	12.99	14.87	17.08	19.67	22.74	26.36	30.6	35.54	41.25	47.82		
	P		3.65	3.71	3.76	3.79	3.82	3.83	3.83	3.83	3.84	3.84		
	Q	30°C	12.86	14.86	17.21	19.98	23.25	27.09	31.59	36.81	42.84			
	P		3.2	3.29	3.35	3.4	3.42	3.44	3.45	3.44	3.44			
	Q	25°C	12.81	14.94	17.43	20.38	23.85	27.93	32.68	38.19				
	P		2.83	2.93	3.01	3.07	3.1	3.12	3.13	3.12				
	Q	20°C	12.85	15.09	17.74	20.86	24.54	28.86	33.88					
	P		2.52	2.65	2.74	2.81	2.85	2.88	2.88					
Q	15°C	12.95	15.32	18.12	21.43	25.32	29.87							
P		2.29	2.43	2.54	2.62	2.68	2.7							
Q	10°C	13.12	15.62	18.58	22.07	26.17								
P		2.13	2.29	2.42	2.51	2.57								

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 superheating 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	20°C	25°C	30°C	
WW130HP-TFD-GV1	Q	65°C						25.85	28.76	32.23	36.33	41.15	46.77	53.26	
	P							8.02	8.02	8.05	8.1	8.17	8.28	8.41	
	Q	60°C					23.13	25.78	28.94	32.68	37.09	42.25	48.24	55.13	
	P						7.18	7.17	7.17	7.2	7.24	7.3	7.39	7.5	
	Q	55°C				20.58	23	25.87	29.28	33.31	38.03	43.53	49.88	57.17	
	P					6.41	6.4	6.39	6.4	6.42	6.45	6.5	6.57	6.66	
	Q	50°C			18.19	20.4	23.02	26.12	29.78	34.09	39.13	44.97	51.7	59.39	
	P				5.69	5.69	5.69	5.69	5.69	5.71	5.73	5.77	5.83	5.9	
	Q	45°C		15.96	17.99	20.36	23.18	26.51	30.43	35.03	40.38	46.57	53.67	61.77	
	P			5.02	5.04	5.05	5.05	5.06	5.06	5.07	5.09	5.12	5.16	5.21	
	Q	40°C		13.87	15.73	17.9	20.45	23.47	27.03	31.22	36.11	41.78	48.32	55.81	
	P			4.37	4.42	4.46	4.48	4.49	4.5	4.51	4.51	4.52	4.54	4.56	
	Q	35°C		13.64	15.62	17.93	20.66	23.88	27.68	32.13	37.32	43.32	50.21		
	P			3.83	3.9	3.95	3.98	4.01	4.02	4.03	4.03	4.03	4.03		
	Q	30°C		13.5	15.6	18.07	20.98	24.41	28.45	33.17	38.65	44.98			
	P			3.36	3.45	3.52	3.57	3.6	3.61	3.62	3.62	3.61			
	Q	25°C		13.46	15.68	18.3	21.4	25.04	29.33	34.32	40.11				
	P			2.97	3.08	3.16	3.22	3.26	3.28	3.28	3.28				
	Q	20°C		13.49	15.85	18.63	21.91	25.77	30.3	35.57					
	P			2.65	2.78	2.88	2.95	3	3.02	3.03					
Q	15°C		13.6	16.09	19.03	22.5	26.59	31.37							
P			2.41	2.56	2.67	2.76	2.81	2.84							
Q	10°C		13.78	16.4	19.51	23.17	27.48								
P			2.24	2.41	2.54	2.64	2.7								
WW150HP-TFD-GV1	Q	65°C						29.74	33.09	37.08	41.8	47.35	53.81	61.28	
	P						9.22	9.23	9.26	9.32	9.4	9.52	9.68		
	Q	60°C					26.61	29.66	33.29	37.6	42.68	48.61	55.5	63.42	
	P						8.26	8.25	8.25	8.28	8.33	8.4	8.5	8.63	
	Q	55°C				23.68	26.46	29.77	33.69	38.32	43.75	50.08	57.39	65.77	
	P					7.37	7.36	7.35	7.36	7.38	7.42	7.48	7.56	7.67	
	Q	50°C			20.93	23.47	26.48	30.05	34.27	39.22	45.02	51.74	59.48	68.33	
	P				6.55	6.55	6.54	6.54	6.55	6.57	6.59	6.64	6.7	6.79	
	Q	45°C		18.36	20.69	23.43	26.67	30.5	35.01	40.3	46.46	53.58	61.75	71.07	
	P			5.77	5.79	5.81	5.81	5.82	5.83	5.84	5.86	5.89	5.93	5.99	
	Q	40°C		15.96	18.1	20.59	23.53	27	31.1	35.92	41.54	48.07	55.6	64.21	
	P			5.03	5.09	5.13	5.15	5.17	5.18	5.19	5.19	5.2	5.22	5.24	
	Q	35°C		15.69	17.97	20.63	23.77	27.48	31.85	36.97	42.94	49.84	57.77		
	P			4.41	4.49	4.54	4.58	4.61	4.62	4.63	4.63	4.63	4.64		
	Q	30°C		15.53	17.95	20.79	24.14	28.09	32.73	38.16	44.47	51.75			
	P			3.87	3.97	4.05	4.1	4.14	4.16	4.16	4.16	4.15			
	Q	25°C		15.48	18.04	21.06	24.62	28.81	33.74	39.49	46.14				
	P			3.41	3.54	3.64	3.7	3.75	3.77	3.78	3.77				
	Q	20°C		15.52	18.23	21.43	25.21	29.65	34.86	40.93					
	P			3.05	3.2	3.31	3.39	3.45	3.48	3.48					
Q	15°C		15.65	18.51	21.9	25.89	30.59	36.09							
P			2.77	2.94	3.07	3.17	3.23	3.27							
Q	10°C		15.85	18.87	22.44	26.66	31.62								
P			2.58	2.77	2.92	3.03	3.11								

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 superheating 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	20°C	25°C	30°C	
WW170HP-TFD-GV1	Q	65°C						34.59	38.49	43.13	48.62	55.07	62.59	71.28	
	P						10.73	10.74	10.77	10.84	10.94	11.08	11.26		
	Q	60°C					30.95	34.5	38.73	43.74	49.64	56.55	64.55	73.77	
	P						9.6	9.59	9.6	9.63	9.68	9.77	9.89	10.04	
	Q	55°C				27.54	30.78	34.62	39.19	44.58	50.9	58.25	66.76	76.51	
	P					8.57	8.56	8.55	8.56	8.59	8.63	8.7	8.79	8.92	
	Q	50°C			24.35	27.31	30.8	34.95	39.86	45.63	52.37	60.18	69.19	79.48	
	P				7.62	7.61	7.61	7.61	7.62	7.64	7.67	7.72	7.8	7.9	
	Q	45°C			21.36	24.07	27.25	31.02	35.47	40.72	46.88	54.04	62.33	71.83	82.67
	P				6.72	6.74	6.76	6.77	6.78	6.79	6.81	6.85	6.9	6.97	
	Q	40°C		18.56	21.06	23.96	27.37	31.41	36.17	41.78	48.32	55.92	64.67	74.68	
	P			5.85	5.92	5.96	5.99	6.01	6.03	6.03	6.04	6.05	6.07	6.1	
	Q	35°C		18.25	20.9	24	27.65	31.96	37.05	43	49.94	57.97	67.2		
	P			5.13	5.22	5.29	5.33	5.36	5.38	5.39	5.39	5.39	5.39		
	Q	30°C		18.07	20.88	24.18	28.07	32.67	38.07	44.39	51.73	60.2			
	P			4.5	4.62	4.71	4.77	4.81	4.83	4.84	4.84	4.84			
	Q	25°C		18.01	20.99	24.5	28.64	33.52	39.25	45.93	53.67				
	P			3.97	4.12	4.23	4.31	4.36	4.39	4.4	4.39				
	Q	20°C		18.06	21.21	24.93	29.32	34.49	40.55	47.61					
	P			3.55	3.72	3.85	3.95	4.01	4.04	4.05					
Q	15°C		18.21	21.53	25.47	30.12	35.59	41.98							
P			3.22	3.42	3.58	3.69	3.76	3.8							
Q	10°C		18.44	21.95	26.11	31.01	36.78								
P			3	3.22	3.4	3.53	3.61								
WW200HP-TFD-GV1	Q	65°C						38.1	42.39	47.5	53.55	60.66	68.94	78.51	
	P						11.82	11.83	11.86	11.94	12.05	12.2	12.4		
	Q	60°C					34.09	38	42.65	48.17	54.67	62.28	71.1	81.25	
	P						10.58	10.57	10.57	10.61	10.67	10.76	10.89	11.06	
	Q	55°C				30.33	33.9	38.13	43.16	49.09	56.05	64.16	73.52	84.26	
	P					9.44	9.43	9.42	9.43	9.46	9.5	9.58	9.68	9.82	
	Q	50°C			26.82	30.07	33.93	38.49	43.9	50.25	57.67	66.28	76.2	87.53	
	P				8.39	8.39	8.38	8.38	8.39	8.41	8.45	8.51	8.59	8.7	
	Q	45°C			23.53	26.51	30.01	34.16	39.07	44.85	51.63	59.52	68.64	79.11	91.05
	P				7.4	7.42	7.44	7.45	7.46	7.46	7.48	7.5	7.54	7.6	7.68
	Q	40°C		20.44	23.19	26.38	30.15	34.59	39.84	46.01	53.22	61.58	71.22	82.25	
	P			6.44	6.52	6.57	6.6	6.62	6.64	6.64	6.65	6.66	6.69	6.72	
	Q	35°C		20.1	23.02	26.43	30.45	35.2	40.8	47.36	55	63.85	74.01		
	P			5.64	5.75	5.82	5.87	5.91	5.92	5.93	5.94	5.94	5.94		
	Q	30°C		19.9	23	26.63	30.92	35.98	41.93	48.89	56.97	66.3			
	P			4.95	5.09	5.18	5.25	5.3	5.32	5.33	5.33	5.32			
	Q	25°C		19.83	23.12	26.98	31.54	36.91	43.22	50.58	59.11				
	P			4.37	4.54	4.66	4.75	4.8	4.83	4.84	4.83				
	Q	20°C		19.89	23.36	27.46	32.29	37.99	44.66	52.43					
	P			3.9	4.1	4.24	4.35	4.42	4.45	4.46					
Q	15°C		20.05	23.72	28.05	33.17	39.19	46.23							
P			3.55	3.77	3.94	4.06	4.14	4.19							
Q	10°C		20.31	24.17	28.75	34.16	40.51								
P			3.3	3.55	3.75	3.89	3.98								

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 superheating 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	20°C	25°C	30°C	
WW220HP-TFD-GV1	Q	65°C						43.14	48	53.79	60.64	68.69	78.07	88.91	
	P							13.38	13.39	13.43	13.52	13.64	13.81	14.04	
	Q	60°C					38.6	43.03	48.3	54.55	61.92	70.53	80.51	92.01	
	P						11.98	11.96	11.97	12.01	12.08	12.18	12.33	12.52	
	Q	55°C				34.35	38.39	43.18	48.88	55.6	63.48	72.65	83.26	95.42	
	P					10.69	10.67	10.67	10.68	10.71	10.76	10.85	10.97	11.12	
	Q	50°C			30.37	34.06	38.42	43.59	49.71	56.91	65.31	75.06	86.29	99.13	
	P				9.5	9.5	9.49	9.49	9.5	9.53	9.57	9.63	9.72	9.85	
	Q	45°C		26.64	30.02	33.99	38.69	44.24	50.79	58.47	67.4	77.73	89.59	103.11	
	P			8.38	8.41	8.43	8.44	8.44	8.45	8.47	8.5	8.54	8.6	8.7	
	Q	40°C		23.15	26.26	29.88	34.14	39.17	45.12	52.11	60.27	69.74	80.66	93.15	
	P			7.3	7.38	7.44	7.48	7.5	7.51	7.52	7.53	7.55	7.57	7.61	
	Q	35°C		22.76	26.07	29.93	34.48	39.86	46.2	53.63	62.29	72.31	83.81		
	P			6.39	6.51	6.59	6.65	6.69	6.71	6.72	6.72	6.72	6.73		
	Q	30°C		22.54	26.04	30.16	35.02	40.75	47.49	55.37	64.52	75.08			
	P			5.61	5.76	5.87	5.95	6	6.03	6.04	6.03	6.02			
	Q	25°C		22.46	26.18	30.55	35.72	41.8	48.95	57.28	66.94				
	P			4.95	5.14	5.28	5.37	5.44	5.47	5.48	5.47				
	Q	20°C		22.52	26.45	31.09	36.57	43.02	50.58	59.37					
	P			4.42	4.64	4.8	4.92	5	5.04	5.05					
Q	15°C		22.71	26.86	31.77	37.56	44.38	52.36							
P			4.02	4.27	4.46	4.6	4.69	4.74							
Q	10°C		23	27.38	32.56	38.68	45.88								
P			3.74	4.02	4.24	4.4	4.51								
WW258HP-TFD-GV1	Q	65°C						47.81	53.19	59.6	67.19	76.11	86.5	98.51	
	P						14.83	14.84	14.89	14.98	15.12	15.31	15.56		
	Q	60°C					42.77	47.68	53.52	60.45	68.61	78.14	89.21	101.95	
	P						13.27	13.26	13.27	13.31	13.38	13.5	13.66	13.87	
	Q	55°C				38.06	42.53	47.85	54.16	61.6	70.34	80.5	92.25	105.73	
	P					11.85	11.83	11.82	11.83	11.86	11.93	12.02	12.15	12.33	
	Q	50°C			33.65	37.73	42.57	48.3	55.08	63.05	72.37	83.17	95.61	109.84	
	P				10.53	10.52	10.52	10.52	10.53	10.56	10.6	10.67	10.77	10.91	
	Q	45°C		29.52	33.26	37.66	42.87	49.02	56.28	64.79	74.69	86.13	99.27	114.25	
	P			9.28	9.32	9.34	9.35	9.36	9.37	9.38	9.41	9.46	9.53	9.64	
	Q	40°C		25.65	29.1	33.11	37.83	43.41	49.99	57.73	66.78	77.28	89.37	103.21	
	P			8.09	8.18	8.24	8.28	8.31	8.33	8.34	8.35	8.36	8.39	8.43	
	Q	35°C		25.22	28.88	33.16	38.21	44.17	51.2	59.43	69.02	80.12	92.87		
	P			7.08	7.21	7.31	7.37	7.41	7.43	7.44	7.45	7.45	7.45		
	Q	30°C		24.97	28.86	33.42	38.8	45.15	52.62	61.35	71.49	83.2			
	P			6.22	6.38	6.51	6.59	6.65	6.68	6.69	6.69	6.67			
	Q	25°C		24.89	29.01	33.85	39.57	46.32	54.24	63.47	74.18				
	P			5.49	5.69	5.85	5.96	6.03	6.06	6.08	6.06				
	Q	20°C		24.96	29.31	34.45	40.52	47.67	56.04	65.79					
	P			4.9	5.14	5.32	5.46	5.54	5.59	5.6					
Q	15°C		25.16	29.76	35.2	41.62	49.18	58.01							
P			4.45	4.73	4.94	5.1	5.2	5.25							
Q	10°C		25.48	30.33	36.08	42.86	50.83								
P			4.14	4.46	4.7	4.88	4.99								

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 superheating 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	20°C	25°C	30°C	
WW286HP-TFD-GV1	Q	65°C						55.12	61.33	68.73	77.48	87.76	99.74	113.59	
	P						17.1	17.11	17.17	17.27	17.43	17.65	17.94		
	Q	60°C					49.32	54.98	61.71	69.7	79.11	90.11	102.87	117.56	
	P						15.3	15.29	15.3	15.35	15.43	15.57	15.75	16	
	Q	55°C				43.89	49.04	55.17	62.45	71.03	81.1	92.83	106.38	121.92	
	P					13.66	13.64	13.63	13.64	13.68	13.75	13.86	14.01	14.21	
	Q	50°C			38.8	43.51	49.09	55.7	63.51	72.71	83.45	95.91	110.25	126.65	
	P				12.14	12.13	12.13	12.13	12.14	12.17	12.22	12.31	12.42	12.58	
	Q	45°C		34.04	38.36	43.43	49.43	56.53	64.9	74.7	86.12	99.32	114.47	131.74	
	P			10.7	10.74	10.77	10.78	10.79	10.8	10.82	10.85	10.91	10.99	11.11	
	Q	40°C		29.58	33.55	38.17	43.62	50.05	57.65	66.57	77	89.11	103.05	119.01	
	P			9.32	9.43	9.5	9.55	9.58	9.6	9.61	9.62	9.64	9.67	9.72	
	Q	35°C		29.08	33.3	38.24	44.06	50.93	59.03	68.53	79.59	92.38	107.08		
	P			8.17	8.32	8.42	8.5	8.55	8.57	8.58	8.59	8.59	8.59		
	Q	30°C		28.79	33.28	38.53	44.74	52.06	60.67	70.74	82.44	95.93			
	P			7.17	7.36	7.5	7.6	7.67	7.7	7.72	7.71	7.69			
	Q	25°C		28.7	33.45	39.03	45.63	53.41	62.54	73.19	85.53				
	P			6.33	6.56	6.74	6.87	6.95	6.99	7.01	6.99				
	Q	20°C		28.78	33.8	39.73	46.72	54.97	64.62	75.86					
	P			5.65	5.93	6.14	6.29	6.39	6.44	6.46					
Q	15°C		29.01	34.32	40.59	47.99	56.71	66.9							
P			5.13	5.45	5.7	5.88	5.99	6.06							
Q	10°C		29.38	34.98	41.6	49.42	58.61								
P			4.77	5.14	5.42	5.62	5.76								
WW336HP-TFD-GV1	Q	65°C						64.64	71.92	80.59	90.86	102.91	116.96	133.20	
	P						20.05	20.06	20.13	20.25	20.44	20.70	21.04		
	Q	60°C					57.83	64.47	72.37	81.73	92.76	105.66	120.63	137.85	
	P						17.94	17.93	17.94	17.99	18.10	18.25	18.47	18.76	
	Q	55°C				51.46	57.51	64.70	73.23	83.30	95.10	108.85	124.74	142.97	
	P					16.02	15.99	15.98	16.00	16.04	16.12	16.25	16.43	16.67	
	Q	50°C			45.50	51.02	57.56	65.31	74.48	85.26	97.85	112.46	129.28	148.52	
	P				14.23	14.23	14.22	14.23	14.24	14.27	14.33	14.43	14.43	14.76	
	Q	45°C		39.92	44.98	50.92	57.96	66.29	76.10	87.60	100.99	116.46	134.23	154.48	
	P			12.55	12.60	12.62	12.64	12.65	12.66	12.69	12.73	12.79	12.89	13.03	
	Q	40°C		34.69	39.34	44.76	51.15	58.69	67.60	78.06	90.29	104.49	120.84	139.55	
	P			10.93	11.06	11.14	11.20	11.24	11.26	11.27	11.29	11.31	11.34	11.40	
	Q	35°C		34.10	39.05	44.84	51.67	59.73	69.22	80.36	93.32	108.33	125.57		
	P			9.58	9.75	9.88	9.97	10.02	10.05	10.07	10.07	10.07	10.08		
	Q	30°C		33.76	39.02	45.18	52.46	61.05	71.14	82.95	96.67	112.49			
	P			8.41	8.63	8.80	8.92	8.99	9.03	9.05	9.04	9.02			
	Q	25°C		33.65	39.22	45.77	53.51	62.63	73.33	85.82	100.30				
	P			7.42	7.70	7.90	8.05	8.15	8.20	8.21	8.20				
	Q	20°C		33.74	39.63	46.58	54.79	64.45	75.78	88.96					
	P			6.62	6.95	7.20	7.38	7.49	7.56	7.57					
Q	15°C		34.02	40.24	47.59	56.28	66.49	78.44							
P			6.02	6.39	6.68	6.89	7.03	7.10							
Q	10°C		34.45	41.01	48.78	57.95	68.73								
P			5.60	6.03	6.36	6.60	6.75								

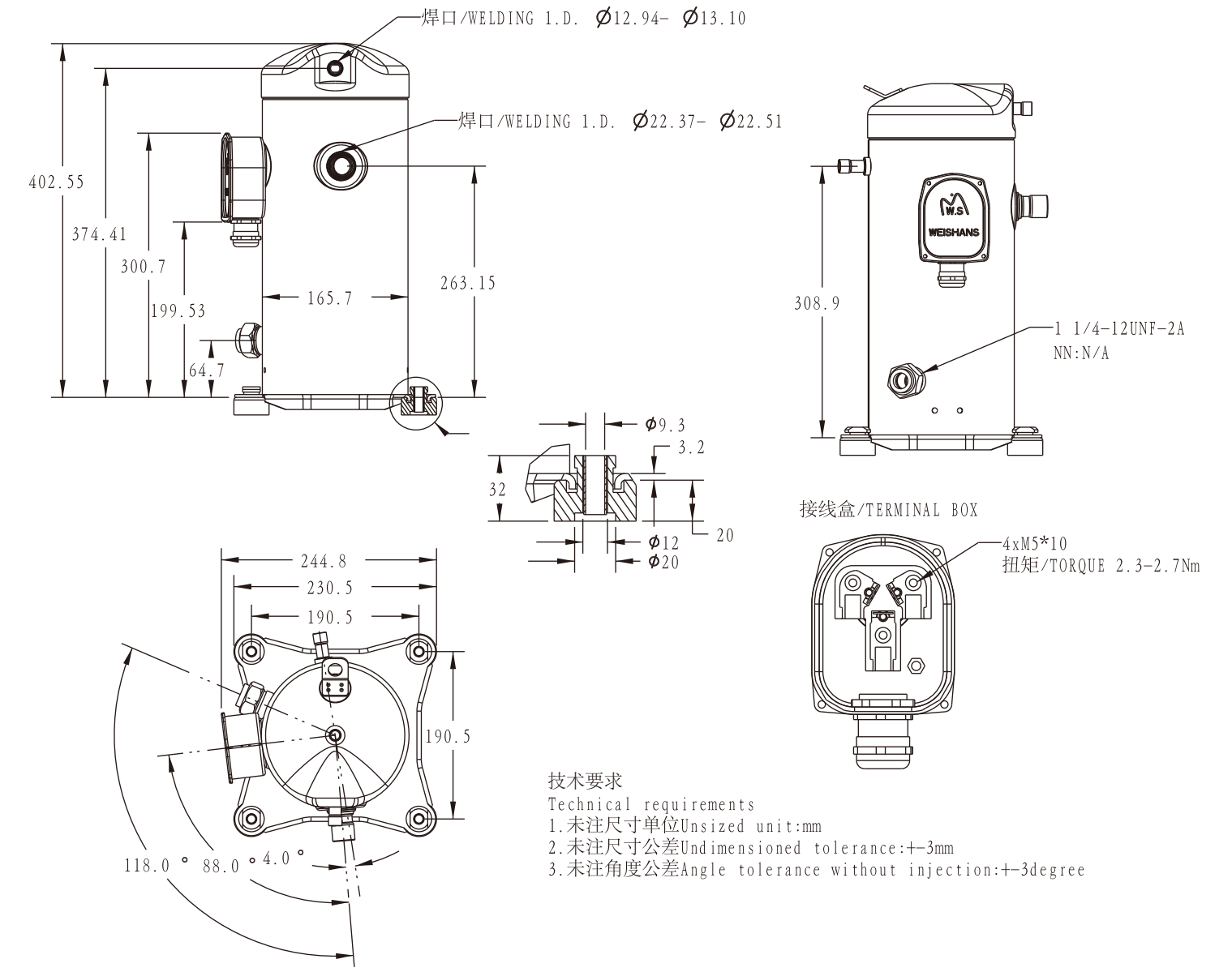
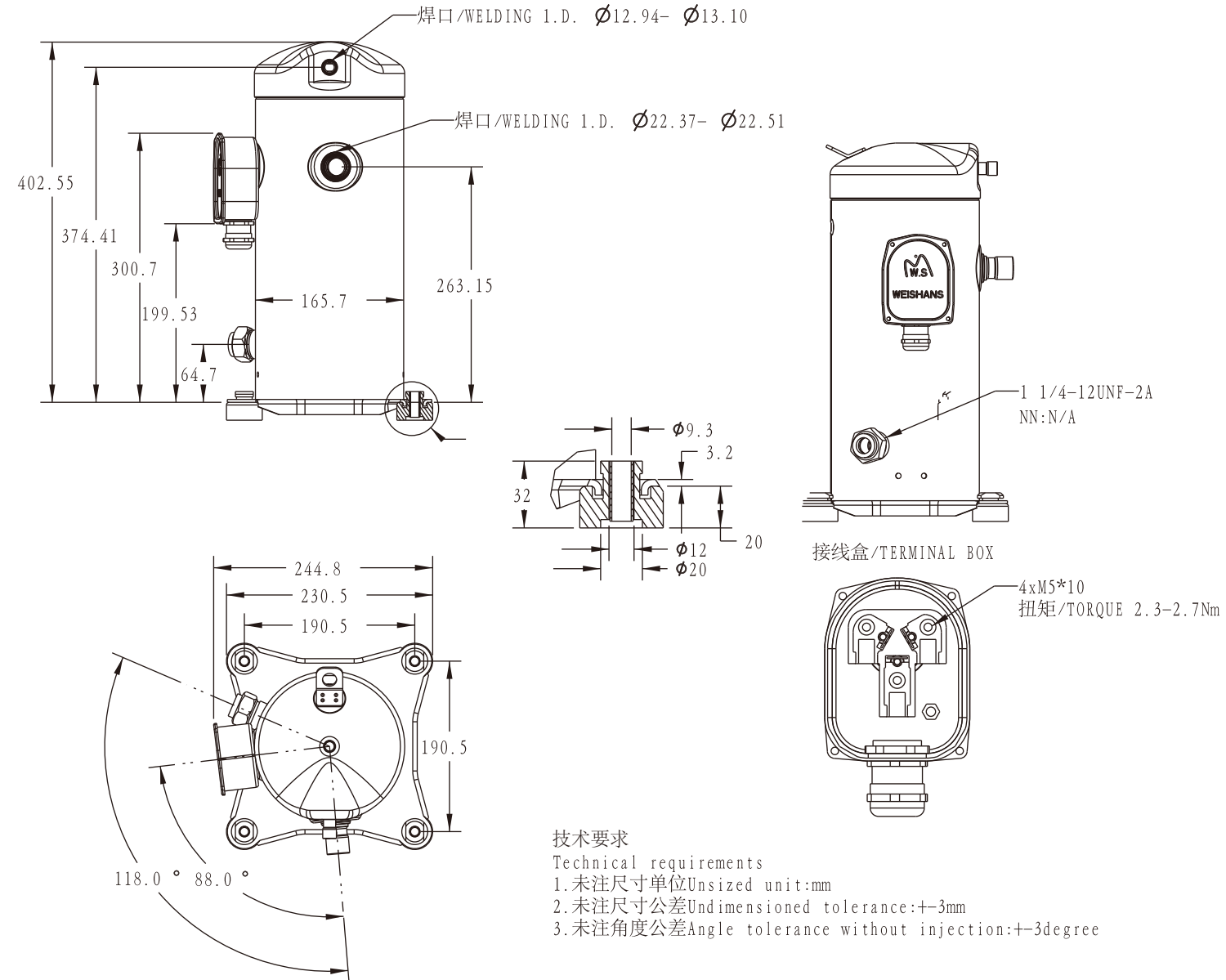
注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度  
Note: The above data are based on 11.1K superheating and 8.3K subcooling

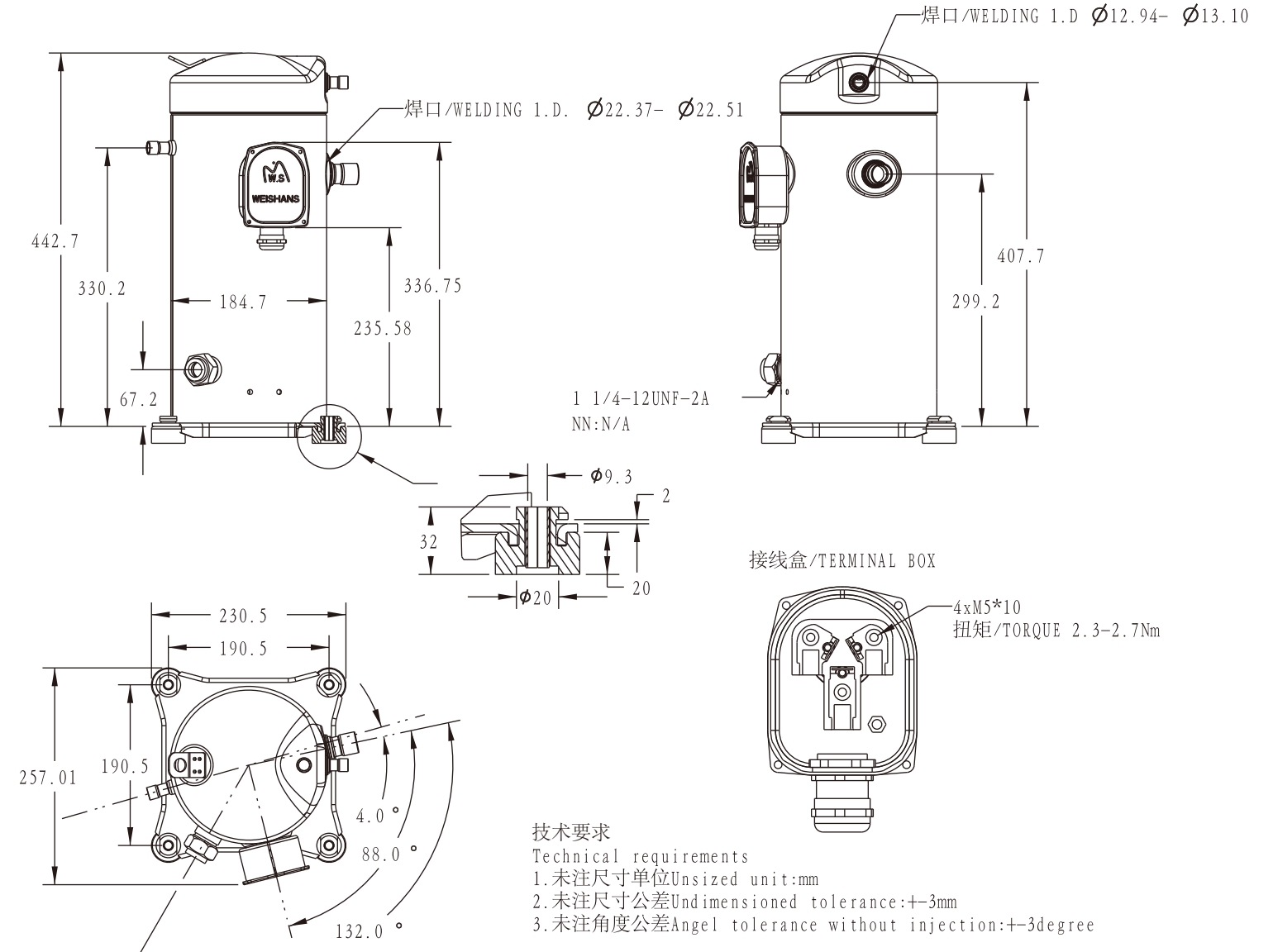
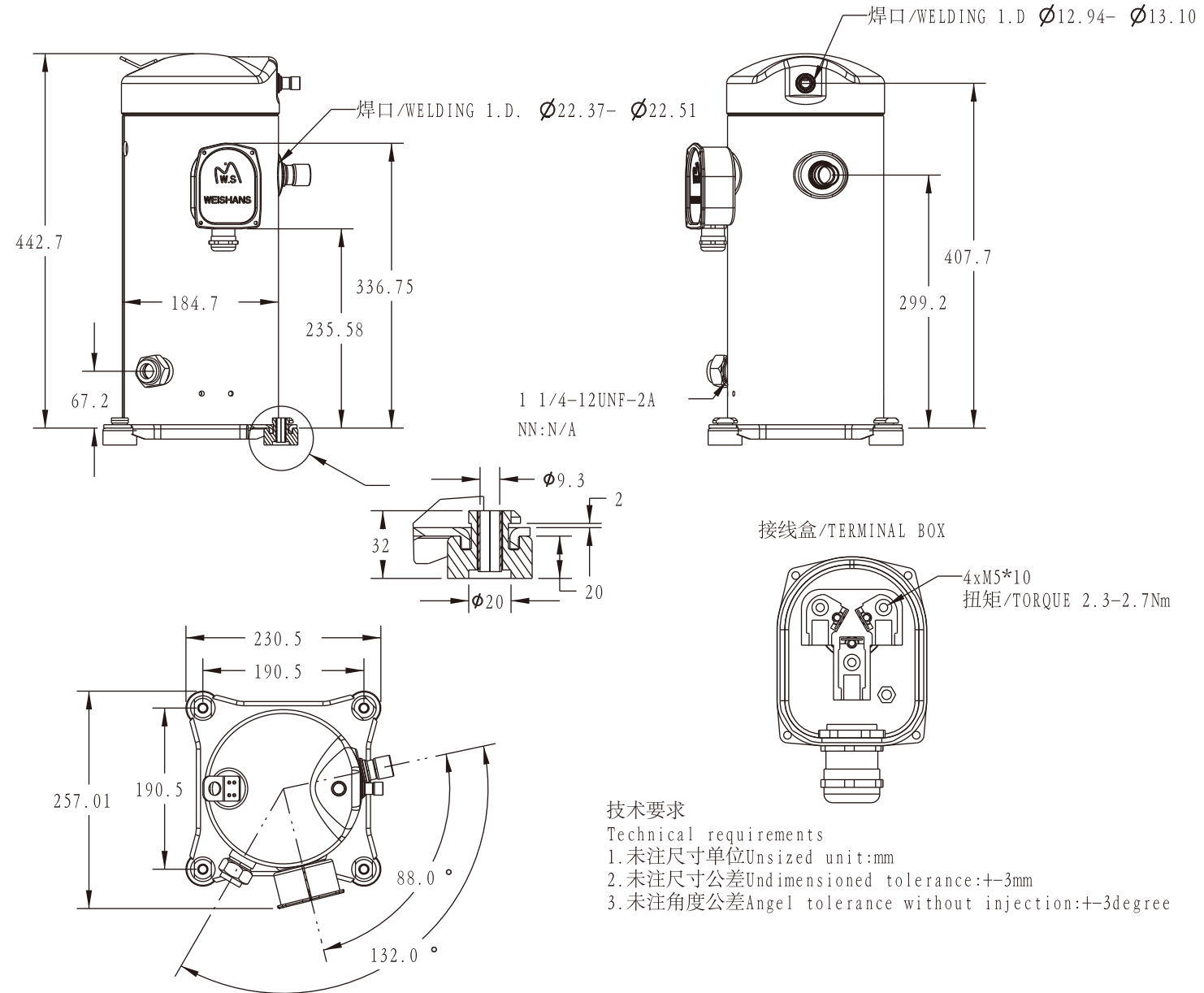
# 制热量

## Heating Capacity R454B - EVI

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	20°C	25°C	30°C
WW430HP-TFD-GV1	Q	65°C						81.94	91.16	102.16	115.17	130.45	148.26	168.84
	P							25.41	25.43	25.51	25.67	25.91	26.24	26.67
	Q	60°C					73.31	81.72	91.73	103.6	117.59	133.93	152.9	174.74
	P						22.75	22.72	22.74	22.81	22.94	23.14	23.42	23.78
	Q	55°C				65.23	72.9	82.01	92.82	105.58	120.55	137.98	158.12	181.22
	P					20.3	20.27	20.26	20.28	20.34	20.44	20.6	20.83	21.13
	Q	50°C			57.67	64.67	72.96	82.79	94.41	108.07	124.03	142.55	163.87	188.26
	P				18.04	18.04	18.03	18.03	18.05	18.09	18.17	18.29	18.47	18.7
	Q	45°C		50.6	57.01	64.55	73.47	84.02	96.46	111.04	128.01	147.63	170.14	195.81
	P			15.91	15.97	16	16.02	16.03	16.05	16.08	16.13	16.22	16.34	16.52
	Q	40°C	43.97	49.87	56.74	64.83	74.39	85.68	98.95	114.46	132.44	153.17	176.9	
	P		13.86	14.02	14.13	14.2	14.24	14.27	14.29	14.31	14.33	14.38	14.45	
	Q	35°C	43.23	49.5	56.84	65.49	75.71	87.75	101.86	118.3	137.32	159.17		
	P		12.14	12.36	12.52	12.63	12.7	12.74	12.76	12.76	12.77	12.77		
	Q	30°C	42.8	49.46	57.27	66.5	77.38	90.18	105.15	122.53	142.59			
	P		10.65	10.94	11.15	11.3	11.4	11.45	11.47	11.46	11.44			
	Q	25°C	42.66	49.71	58.02	67.83	79.39	92.96	108.79	127.13				
	P		9.41	9.75	10.02	10.21	10.33	10.39	10.41	10.39				
	Q	20°C	42.77	50.24	59.05	69.45	81.7	96.05	112.76					
	P		8.4	8.81	9.12	9.35	9.5	9.58	9.6					
Q	15°C	43.12	51.01	60.33	71.34	84.29	99.43							
P		7.63	8.1	8.47	8.74	8.91	9							
Q	10°C	43.67	51.99	61.83	73.46	87.12								
P		7.1	7.64	8.06	8.36	8.56								
WW520HP-TFD-GV1	Q	65°C						101.24	112.64	126.22	142.29	161.18	183.18	208.61
	P							31.4	31.42	31.52	31.72	32.01	32.42	32.95
	Q	60°C					90.58	100.96	113.34	128.01	145.28	165.48	188.92	215.9
	P						28.1	28.07	28.1	28.18	28.34	28.59	28.93	29.38
	Q	55°C				80.6	90.07	101.33	114.68	130.45	148.95	170.48	195.36	223.91
	P					25.09	25.05	25.03	25.06	25.13	25.25	25.45	25.73	26.1
	Q	50°C			71.26	79.91	90.15	102.29	116.64	133.53	153.25	176.13	202.47	232.6
	P				22.29	22.28	22.28	22.28	22.3	22.35	22.45	22.6	22.82	23.11
	Q	45°C		62.52	70.44	79.75	90.77	103.81	119.18	137.19	158.16	182.4	210.22	241.93
	P			19.65	19.73	19.77	19.79	19.81	19.83	19.87	19.93	20.04	20.19	20.41
	Q	40°C	54.33	61.62	70.11	80.1	91.92	105.87	122.26	141.41	163.64	189.25	218.56	
	P		17.12	17.32	17.45	17.54	17.6	17.63	17.65	17.68	17.71	17.76	17.85	
	Q	35°C	53.41	61.16	70.23	80.92	93.54	108.41	125.85	146.16	169.66	196.66		
	P		15	15.27	15.47	15.61	15.69	15.74	15.77	15.77	15.77	15.78		
	Q	30°C	52.88	61.11	70.77	82.16	95.61	111.42	129.91	151.39	176.18			
	P		13.16	13.52	13.78	13.96	14.08	14.15	14.17	14.16	14.13			
	Q	25°C	52.7	61.42	71.69	83.8	98.09	114.85	134.41	157.08				
	P		11.62	12.05	12.38	12.61	12.76	12.84	12.86	12.84				
	Q	20°C	52.85	62.07	72.96	85.81	100.94	118.68	139.32					
	P		10.37	10.88	11.27	11.55	11.74	11.83	11.86					
Q	15°C	53.28	63.02	74.54	88.14	104.14	122.85							
P		9.42	10.01	10.46	10.79	11.01	11.12							
Q	10°C	53.96	64.24	76.4	90.76	107.64								
P		8.77	9.44	9.95	10.33	10.58								

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 superheating and 8.3K subcooling





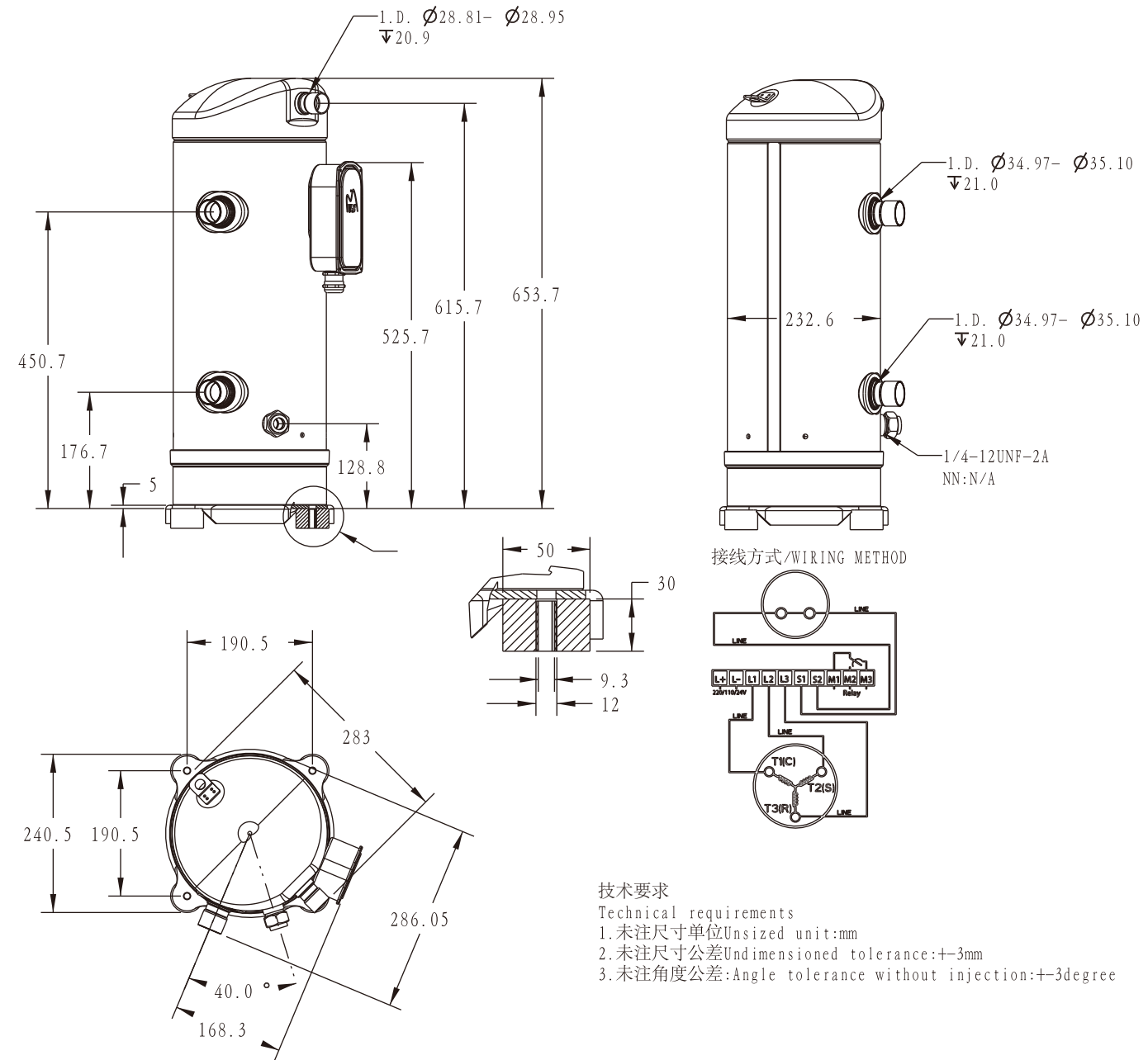




# 外形尺寸

## Dimensional

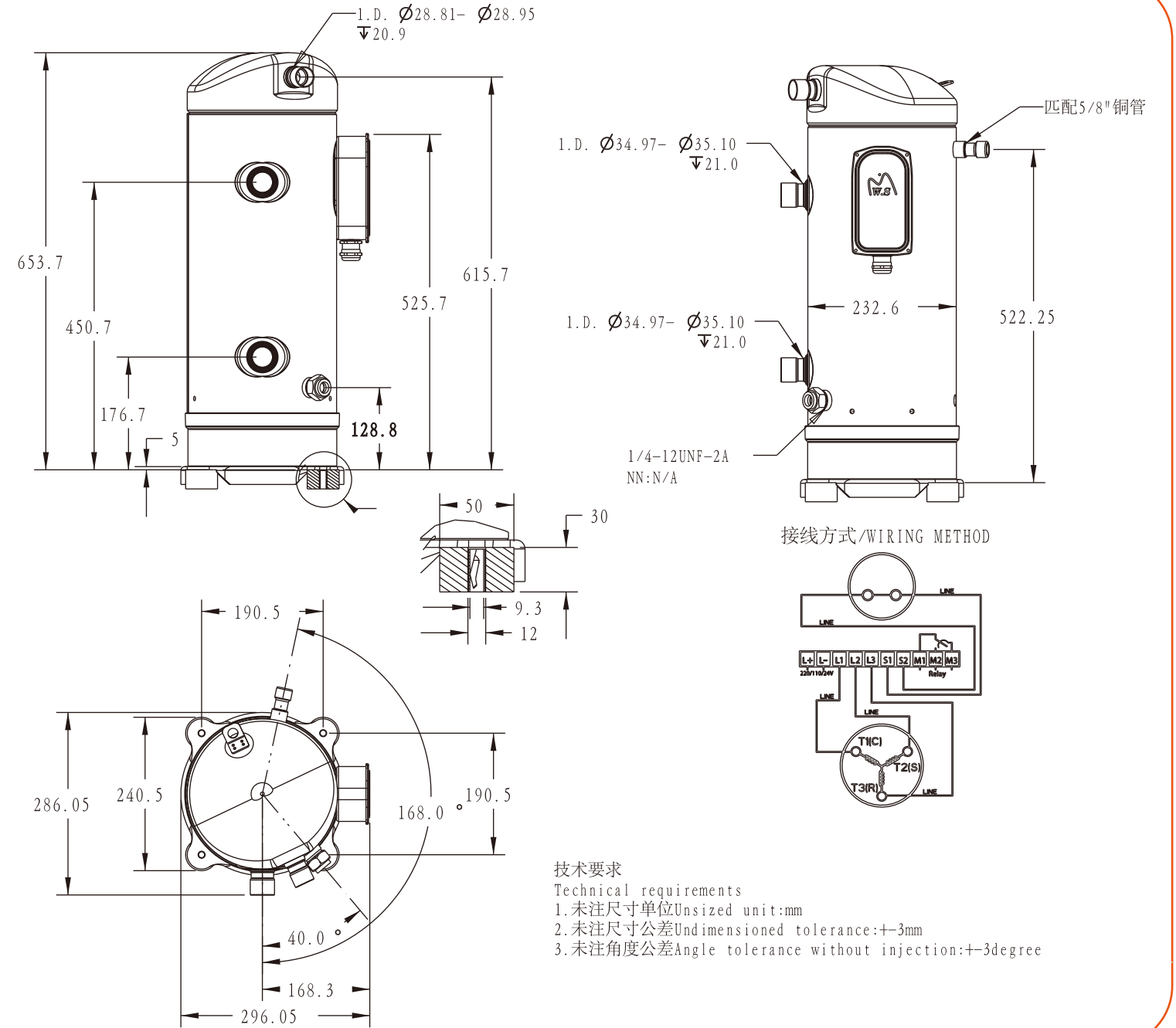
WW250KE-WW300KE; WW235KP-WW292KP; WW430HP-WW520HP



## Dimensional

# 外形尺寸

EVI(WW250KE-WW300KE; WW235KP-WW292KP; WW430HP-WW520HP)

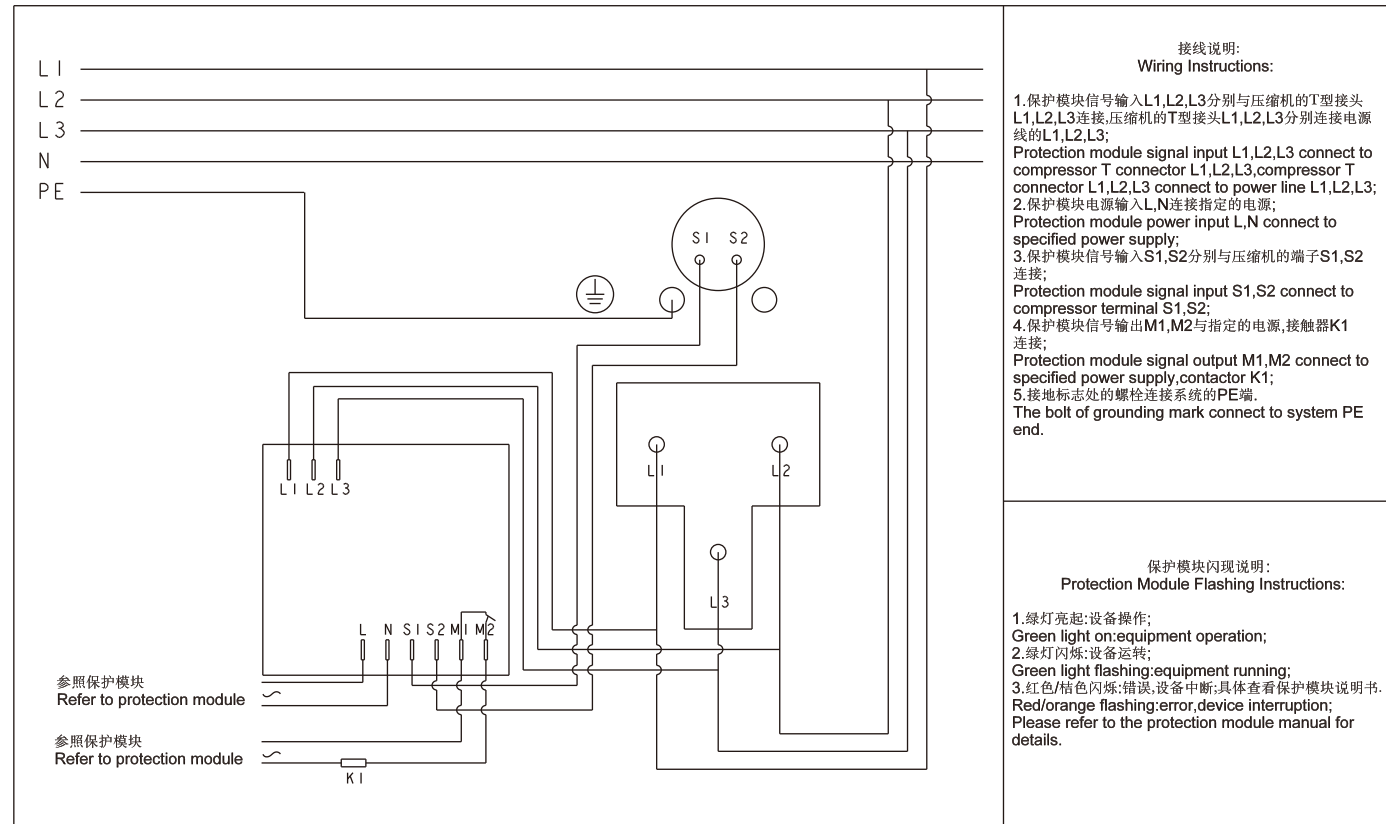


# 接线 图示

## Wiring Diagram

WW250KE-WW300KE; WW235KP-WW292KP; WW430HP-WW520HP

EVI(WW250KE-WW300KE; WW235KP-WW292KP; WW430HP-WW520HP)



# 为山® 涡旋压缩机

## WEISHANS SCROLL COMPRESSOR

# 2HP-25HP

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