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苏州为山之环境技术有限公司

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Rev:202608

WF系列低温冷冻应用涡旋压缩机

R448A/R449A/R454C/R455A

WF Series Scroll Compressor for Low Temperature Application

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苏州为山之境技术有限公司

成立于 2018 年 6 月，是一家专注研发、生产节能环保型涡旋压缩机的创新型高新技术企业。

公司深耕涡旋压缩机核心技术研发，已实现关键技术重大突破，产品广泛适用于工业制冷、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、工业余热回收等众多领域。

企业配备先进自动化生产线及高精度检测、加工设备，依托创新生产工艺流程，产品规格覆盖 2 匹至 25 匹，先后通过 CCC、CE、CB、ROHS & REACH、ISO 9001 等多项国内外权威认证。

公司高度重视知识产权布局与保护，拥有多项自主专利技术，先后获评江苏省民营科技企业、国家级高新技术企业等荣誉资质。

面向未来，公司将持续加大科研研发投入，专注为客户提供绿色环保热泵及冷冻压缩机整体解决方案，以降低全球碳排放为企业使命，聚力赋能节能环保产业发展，共建绿色生态家园。

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.

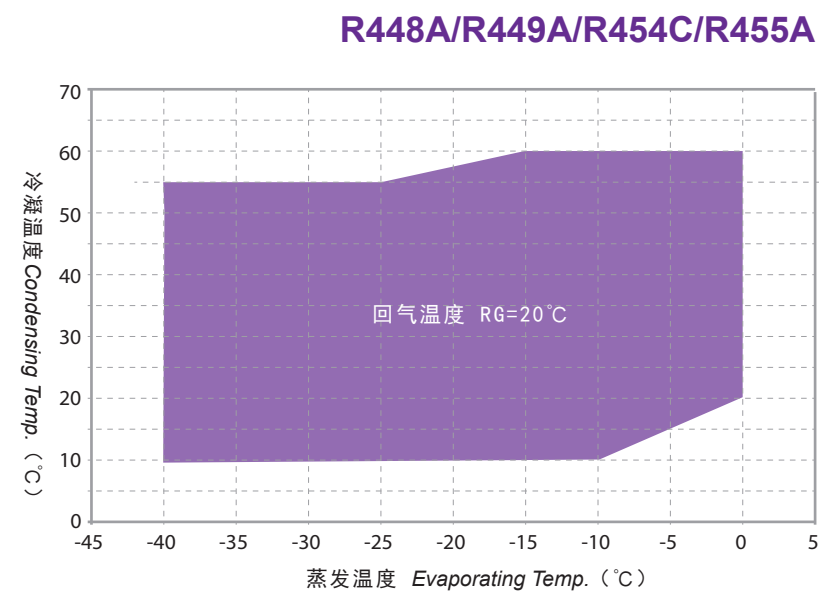
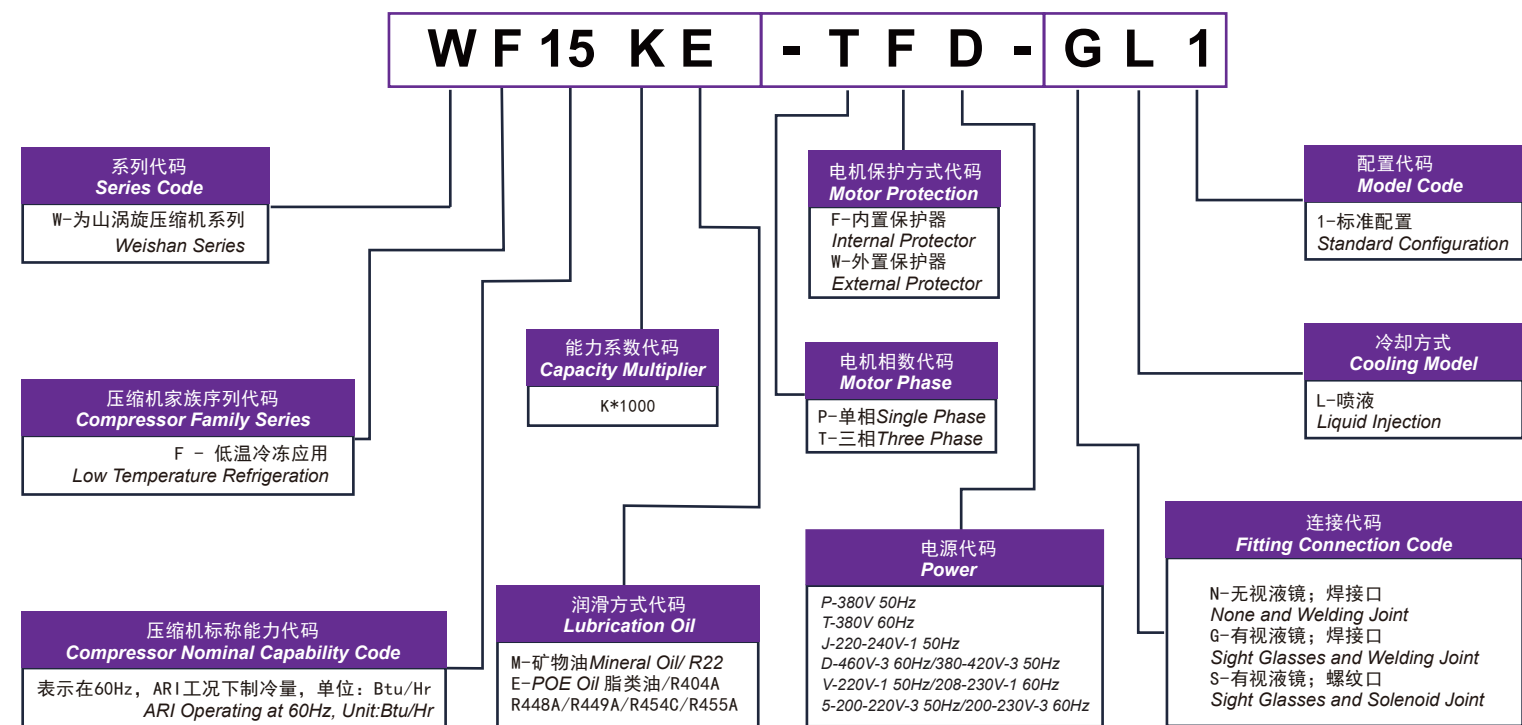
The company attaches great importance to the protection of intellectual property rights and has obtained several patent certificates. The company has been awarded the titles of Jiangsu Private Technology Enterprise and National High-tech Enterprise.

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		WF06KE-PFJ-GL1	WF09KE-PFJ-GL1	WF13KE-PFJ-GL1	WF06KE-TFD-GL1	WF09KE-TFD-GL1	WF13KE-TFD-GL1	WF15KE-TFD-GL1
电制 Motor Power		220-240V/1~/50Hz			380-420V/3~/50Hz or 460V/3~/60Hz			
名义功率 Nominal Power (HP)		2	3	4	2	3	4	5
排量 Displacement (cc/Rev)		32.3	50.6	63.9	32.3	50.6	63.9	84.5
制冷剂 Refrigerant		R448A						
名义制冷量 Nominal Capacity (W)		1338	2081	2741	1338	2081	2741	3541
名义输入功率 Nominal Power (W)		1092	1629	2013	1092	1629	2013	2614
名义工况能效比 COP (W/W)		1.23	1.28	1.36	1.23	1.28	1.36	1.35
名义工况电流 Nominal Operating Current (A)		5.9	8.8	10.5	2.4	3.6	4.6	5.6
堵转电流 LRA (A)		76	76	108	38.8	38.8	38.8	83.6
最大运行电流 MOC (A)		11.9	16.2	20.3	3.7	6.1	8.3	10.6
曲轴箱加热器功率 Crankcase Heater (W)		70	70	70	70	70	70	70
接管尺寸 Fitting ID Size (mm)	排气管Dis.Tube	12.94-13.10						
	吸气管 Suc.Tube	22.37-22.51						
外形尺寸 Dimension (mm)	长(L)	241.67						246.65
	宽(W)	230.5						230.5
	高(H)	403.4						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	3						
	低压侧 Low Pressure Side	2						
重量 Weight (kg)		31	31	31	28	28	28	37

注：蒸发温度 - 31.7℃，冷凝温度 40.6℃，吸气温度 20℃，无过冷度
Note: E.T. -31.7 °C, C.T. 40.6 °C, R.G. 20°C, No Subcooling

型号 Model		WF18KE-TFD-GL1	WF25KE-TFD-GL1	WF28KE-TFD-GL1	WF34KE-TFD-GL1	WF38KE-TFD-GL1	WF49KE-TFD-GL1	WF60KE-TWD-GL1	WF75KE-TWD-GL1
电制 Motor Power		380-420V/3~/50Hz or 460V/3~/60Hz							
名义功率 Nominal Power (HP)		6	7	8	10	12	15	20	25
排量 Displacement (cc/Rev)		98.9	108	127	165.5	190.8	248.9	325	400
制冷剂 Refrigerant		R448A							
名义制冷量 Nominal Capacity (W)		4178	4563	5341	7043	8158	10589	13826	17017
名义输入功率 Nominal Power (W)		3150	3440	4079	5344	6143	8224	10738	13216
名义工况能效比 COP (W/W)		1.33	1.33	1.31	1.32	1.33	1.29	1.29	1.29
名义工况电流 Nominal Operating Current (A)		6.6	7.2	8.4	11.1	12.2	16.9	22.4	27.6
堵转电流 LRA (A)		83.6	83.6	117	117	117	117	267.9	267.9
最大运行电流 MOC (A)		12.1	13.2	15.6	21.9	25.4	33.1	43.9	54.1
曲轴箱加热器功率 Crankcase Heater (W)		70	70	90	90	90	90	90	90
接管尺寸 Fitting ID Size (mm)	排气管Dis.Tube	12.94-13.10		22.37-22.51				28.81-28.95	
	吸气管 Suc.Tube	22.37-22.51		34.97-35.10					
外形尺寸 Dimension (mm)	长(L)	246.65		284.5				296.05	
	宽(W)	230.5		235.5				286.05	
	高(H)	442.7		522.7				653.7	
底脚安装尺寸 Mounting Dim. (mm)		190.5x190.5							
润滑油类型 Lubrication Oil		POE							
润滑油初次充注量 Lubrication Oil Initial Charge (L)		1.8	1.8	3.0	3.0	3.2	3.2	5.0	5.0
润滑油重新充注量 Lubrication Oil Recharge (L)		1.6	1.6	2.8	2.8	3.0	3.0	4.8	4.8
最大工作压力 Maxium Operating Pressure (MPa)	高压侧 High Pressure Side	3							
	低压侧 Low Pressure Side	2							
重量 Weight (kg)		38	38	66	66	66	66	92	92

注：蒸发温度 - 31.7℃，冷凝温度 40.6℃，吸气温度 20℃，无过冷度
Note: E.T. -31.7 °C, C.T. 40.6 °C, R.G. 20°C, No Subcooling

型号 Model		WF06KE-PFJ-GL1	WF09KE-PFJ-GL1	WF13KE-PFJ-GL1	WF06KE-TFD-GL1	WF09KE-TFD-GL1	WF13KE-TFD-GL1	WF15KE-TFD-GL1
电制 Motor Power		220-240V/1~/50Hz			380-420V/3~/50Hz or 460V/3~/60Hz			
名义功率 Nominal Power (HP)		2	3	4	2	3	4	5
排量 Displacement (cc/Rev)		32.3	50.6	63.9	32.3	50.6	63.9	84.5
制冷剂 Refrigerant		R449A						
名义制冷量 Nominal Capacity (W)		1324	2060	2712	1324	2060	2712	3504
名义输入功率 Nominal Power (W)		1084	1618	2000	1084	1618	2000	2598
名义工况能效比 COP (W/W)		1.22	1.27	1.36	1.22	1.27	1.36	1.35
名义工况电流 Nominal Operating Current (A)		5.9	8.8	10.4	2.3	3.6	4.6	5.6
堵转电流 LRA (A)		76	76	108	38.8	38.8	38.8	83.6
最大运行电流 MOC (A)		11.9	16.2	20.3	3.6	6.1	8.3	10.6
曲轴箱加热器功率 Crankcase Heater (W)		70	70	70	70	70	70	70
接管尺寸 Fitting ID Size (mm)	排气管Dis.Tube	12.94-13.10						
	吸气管 Suc.Tube	22.37-22.51						
外形尺寸 Dimension (mm)	长(L)	241.67						246.65
	宽(W)	230.5						230.5
	高(H)	403.4						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	3						
	低压侧 Low Pressure Side	2						
重量 Weight (kg)		31	31	31	28	28	28	37

注：蒸发温度 - 31.7℃，冷凝温度 40.6℃，吸气温度 20℃，无过冷度
Note: E.T. -31.7 °C, C.T. 40.6 °C, R.G. 20°C, No Subcooling

型号 Model		WF18KE-TFD-GL1	WF25KE-TFD-GL1	WF28KE-TFD-GL1	WF34KE-TFD-GL1	WF38KE-TFD-GL1	WF49KE-TFD-GL1	WF60KE-TWD-GL1	WF75KE-TWD-GL1
电制 Motor Power		380-420V/3~/50Hz or 460V/3~/60Hz							
名义功率 Nominal Power (HP)		6	7	8	10	12	15	20	25
排量 Displacement (cc/Rev)		98.9	108	127	165.5	190.8	248.9	325	400
制冷剂 Refrigerant		R449A							
名义制冷量 Nominal Capacity (W)		4135	4515	5285	6968	8071	10477	13310	16382
名义输入功率 Nominal Power (W)		3130	3418	4057	5314	6110	8179	10789	13278
名义工况能效比 COP (W/W)		1.32	1.32	1.30	1.31	1.32	1.28	1.23	1.23
名义工况电流 Nominal Operating Current (A)		6.6	7.2	8.4	11.0	12.0	16.8	21.7	26.7
堵转电流 LRA (A)		83.6	83.6	117	117	117	117	267.9	267.9
最大运行电流 MOC (A)		12.1	13.2	15.6	21.8	25.4	33.1	43.3	53.3
曲轴箱加热器功率 Crankcase Heater (W)		70	70	90	90	90	90	90	90
接管尺寸 Fitting ID Size (mm)	排气管Dis.Tube	12.94-13.10		22.37-22.51				28.81-28.95	
	吸气管 Suc.Tube	22.37-22.51		34.97-35.10					
外形尺寸 Dimension (mm)	长(L)	246.65		284.5				296.05	
	宽(W)	230.5		235.5				286.05	
	高(H)	442.7		522.7				653.7	
底脚安装尺寸 Mounting Dim. (mm)		190.5x190.5							
润滑油类型 Lubrication Oil		POE							
润滑油初次充注量 Lubrication Oil Initial Charge (L)		1.8	1.8	3.0	3.0	3.2	3.2	5.0	5.0
润滑油重新充注量 Lubrication Oil Recharge (L)		1.6	1.6	3.0	3.0	3.0	3.0	4.8	4.8
最大工作压力 Maxium Operating Pressure (MPa)	高压侧 High Pressure Side	3							
	低压侧 Low Pressure Side	2							
重量 Weight (kg)		38	38	66	66	66	66	92	92

注：蒸发温度 - 31.7℃，冷凝温度 40.6℃，吸气温度 20℃，无过冷度
Note: E.T. -31.7 °C, C.T. 40.6 °C, R.G. 20°C, No Subcooling

型号 Model		WF06KE-PFJ-GL1	WF09KE-PFJ-GL1	WF13KE-PFJ-GL1	WF06KE-TFD-GL1	WF09KE-TFD-GL1	WF13KE-TFD-GL1	WF15KE-TFD-GL1
电制 Motor Power		220-240V/1~/50Hz			380-420V/3~/50Hz or 460V/3~/60Hz			
名义功率 Nominal Power (HP)		2	3	4	2	3	4	5
排量 Displacement (cc/Rev)		32.3	50.6	63.9	32.3	50.6	63.9	84.5
制冷剂 Refrigerant		R454C						
名义制冷量 Nominal Capacity (W)		1181	1834	2412	1181	1834	2412	3120
名义输入功率 Nominal Power (W)		931	1397	1728	931	1397	1728	2233
名义工况能效比 COP (W/W)		1.27	1.31	1.40	1.27	1.31	1.40	1.40
名义工况电流 Nominal Operating Current (A)		5.0	7.6	8.9	2.0	3.3	4.1	5.0
堵转电流 LRA (A)		76	76	108	38.8	38.8	38.8	83.6
最大运行电流 MOC (A)		11.5	15.9	19.9	3.5	6.2	8.3	10.7
曲轴箱加热器功率 Crankcase Heater (W)		70	70	70	70	70	70	70
接管尺寸 Fitting ID Size (mm)	排气管Dis.Tube	12.94-13.10						
	吸气管 Suc.Tube	22.37-22.51						
外形尺寸 Dimension (mm)	长(L)	241.67						246.65
	宽(W)	230.5						230.5
	高(H)	403.4						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	3						
	低压侧 Low Pressure Side	2						
重量 Weight (kg)		31	31	31	28	28	28	37

注：蒸发温度 - 31.7℃，冷凝温度 40.6℃，吸气温度 20℃，无过冷度
Note: E.T. -31.7 °C, C.T. 40.6 °C, R.G. 20°C, No Subcooling

型号 Model		WF18KE-TFD-GL1	WF25KE-TFD-GL1	WF28KE-TFD-GL1	WF34KE-TFD-GL1	WF38KE-TFD-GL1	WF49KE-TFD-GL1	WF60KE-TWD-GL1	WF75KE-TWD-GL1
电制 Motor Power		380-420V/3~/50Hz or 460V/3~/60Hz							
名义功率 Nominal Power (HP)		6	7	8	10	12	15	20	25
排量 Displacement (cc/Rev)		98.9	108	127	165.5	190.8	248.9	325	400
制冷剂 Refrigerant		R454C							
名义制冷量 Nominal Capacity (W)		3683	4022	4707	6201	7189	9076	11851	14585
名义输入功率 Nominal Power (W)		2686	2933	3502	4594	5258	7108	9281	11423
名义工况能效比 COP (W/W)		1.37	1.37	1.34	1.35	1.37	1.28	1.28	1.28
名义工况电流 Nominal Operating Current (A)		5.8	6.4	7.4	9.8	10.5	14.6	19.1	23.5
堵转电流 LRA (A)		83.6	83.6	117	117	117	117	267.9	267.9
最大运行电流 MOC (A)		12.1	13.4	15.7	22.0	25.4	33.4	43.7	53.8
曲轴箱加热器功率 Crankcase Heater (W)		70	70	90	90	90	90	90	90
接管尺寸 Fitting ID Size (mm)	排气管Dis.Tube	12.94-13.10		22.37-22.51				28.81-28.95	
	吸气管 Suc.Tube	22.37-22.51		34.97-35.10					
外形尺寸 Dimension (mm)	长(L)	246.65		284.5				296.05	
	宽(W)	230.5		235.5				286.05	
	高(H)	442.7		522.7				653.7	
底脚安装尺寸 Mounting Dim. (mm)		190.5x190.5							
润滑油类型 Lubrication Oil		POE							
润滑油初次充注量 Lubrication Oil Initial Charge (L)		1.8	1.8	3.0	3.0	3.2	3.2	5.0	5.0
润滑油重新充注量 Lubrication Oil Recharge (L)		1.6	1.6	3.0	3.0	3.0	3.0	4.8	4.8
最大工作压力 Maxium Operating Pressure (MPa)	高压侧 High Pressure Side	3							
	低压侧 Low Pressure Side	2							
重量 Weight (kg)		38	38	66	66	66	66	92	92

注：蒸发温度 - 31.7℃，冷凝温度 40.6℃，吸气温度 20℃，无过冷度
Note: E.T. -31.7 °C, C.T. 40.6 °C, R.G. 20°C, No Subcooling

型号 Model		WF06KE-PFJ-GL1	WF09KE-PFJ-GL1	WF13KE-PFJ-GL1	WF06KE-TFD-GL1	WF09KE-TFD-GL1	WF13KE-TFD-GL1	WF15KE-TFD-GL1
电制 Motor Power		220-240V/1~/50Hz			380-420V/3~/50Hz or 460V/3~/60Hz			
名义功率 Nominal Power (HP)		2	3	4	2	3	4	5
排量 Displacement (cc/Rev)		32.3	50.6	63.9	32.3	50.6	63.9	84.5
制冷剂 Refrigerant		R455A						
名义制冷量 Nominal Capacity (W)		1282	1993	2625	1282	1993	2625	3395
名义输入功率 Nominal Power (W)		1014	1517	1867	1014	1517	1867	2420
名义工况能效比 COP (W/W)		1.26	1.31	1.41	1.26	1.31	1.41	1.40
名义工况电流 Nominal Operating Current (A)		5.5	8.2	9.6	2.2	3.4	4.4	5.3
堵转电流 LRA (A)		76	76	108	38.8	38.8	38.8	83.6
最大运行电流 MOC (A)		11.8	16.0	20.0	3.6	6.2	8.4	10.7
曲轴箱加热器功率 Crankcase Heater (W)		70	70	70	70	70	70	70
接管尺寸 Fitting ID Size (mm)	排气管Dis.Tube	12.94-13.10						
	吸气管 Suc.Tube	22.37-22.51						
外形尺寸 Dimension (mm)	长(L)	241.67						246.65
	宽(W)	230.5						230.5
	高(H)	403.4						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	3						
	低压侧 Low Pressure Side	2						
重量 Weight (kg)		31	31	31	28	28	28	37

注：蒸发温度 - 31.7℃，冷凝温度 40.6℃，吸气温度 20℃，无过冷度
Note: E.T. -31.7 °C, C.T. 40.6 °C, R.G. 20°C, No Subcooling

型号 Model		WF18KE-TFD-GL1	WF25KE-TFD-GL1	WF28KE-TFD-GL1	WF34KE-TFD-GL1	WF38KE-TFD-GL1	WF49KE-TFD-GL1	WF60KE-TWD-GL1	WF75KE-TWD-GL1
电制 Motor Power		380-420V/3~/50Hz or 460V/3~/60Hz							
名义功率 Nominal Power (HP)		6	7	8	10	12	15	20	25
排量 Displacement (cc/Rev)		98.9	108	127	165.5	190.8	248.9	325	400
制冷剂 Refrigerant		R455A							
名义制冷量 Nominal Capacity (W)		4007	4376	5121	6750	7823	10155	13260	16319
名义输入功率 Nominal Power (W)		2913	3181	3787	4963	5694	7624	9954	12252
名义工况能效比 COP (W/W)		1.38	1.38	1.35	1.36	1.37	1.33	1.33	1.33
名义工况电流 Nominal Operating Current (A)		6.2	6.8	7.8	10.3	11.1	15.7	20.5	25.2
堵转电流 LRA (A)		83.6	83.6	117	117	117	117	267.9	267.9
最大运行电流 MOC (A)		12.1	13.3	15.5	21.8	25.3	33.0	43.1	53.0
曲轴箱加热器功率 Crankcase Heater (W)		70	70	90	90	90	90	90	90
接管尺寸 Fitting ID Size (mm)	排气管Dis.Tube	12.94-13.10		22.37-22.51				28.81-28.95	
	吸气管 Suc.Tube	22.37-22.51		34.97-35.10					
外形尺寸 Dimension (mm)	长(L)	246.65		284.5				296.05	
	宽(W)	230.5		235.5				286.05	
	高(H)	442.7		522.7				653.7	
底脚安装尺寸 Mounting Dim. (mm)		190.5x190.5							
润滑油类型 Lubrication Oil		POE							
润滑油初次充注量 Lubrication Oil Initial Charge (L)		1.8	1.8	3.0	3.0	3.2	3.2	5.0	5.0
润滑油重新充注量 Lubrication Oil Recharge (L)		1.6	1.6	3.0	3.0	3.0	3.0	4.8	4.8
最大工作压力 Maxium Operating Pressure (MPa)	高压侧 High Pressure Side	3							
	低压侧 Low Pressure Side	2							
重量 Weight (kg)		38	38	66	66	66	66	92	92

注：蒸发温度 - 31.7℃，冷凝温度 40.6℃，吸气温度 20℃，无过冷度
Note: E.T. -31.7 °C, C.T. 40.6 °C, R.G. 20°C, No Subcooling

