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Rev:202605

WT 系列

防爆应用涡旋压缩机

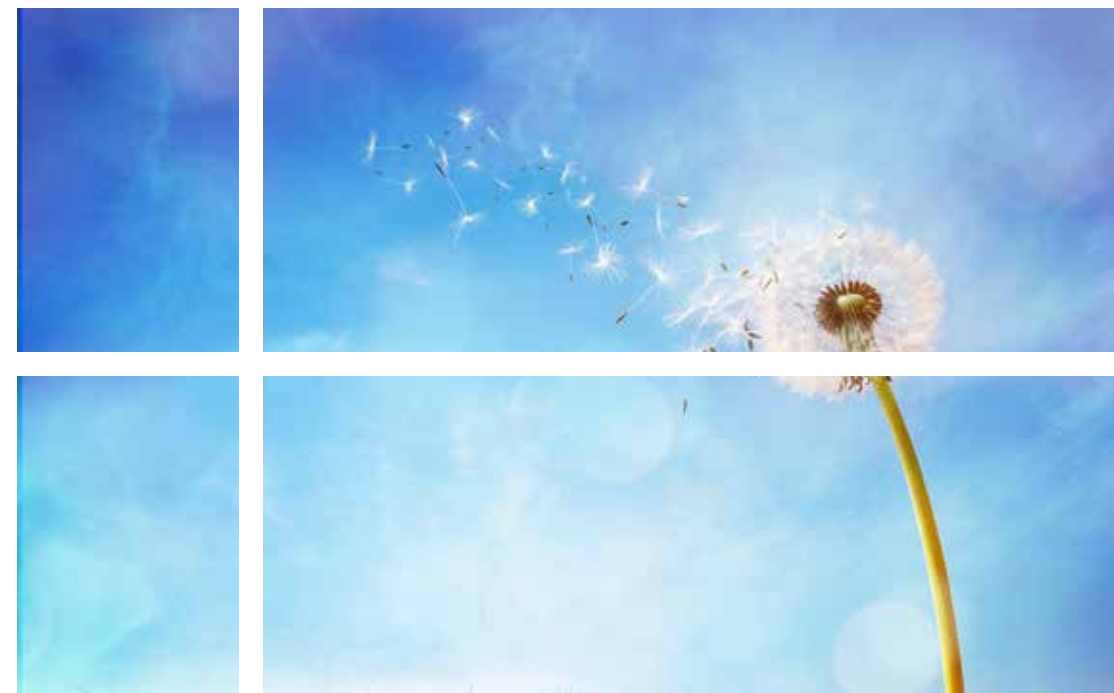
EXPLOSION-PROOF SCROLL COMPRESSOR



CATALOG

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OUR VISION

企业愿景 OUR VISION

为山之遵循“求精不求巧，求本不求华”的产品理念，把“为山”打造成国内外知名品牌

We aim to make “Weishan” the first-class international brand. We always follow the thinking “to achieve perfection without ingenuity, seeking for origin without refinement.”

关于我们 ABOUT US

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.

苏州为山之环境技术有限公司

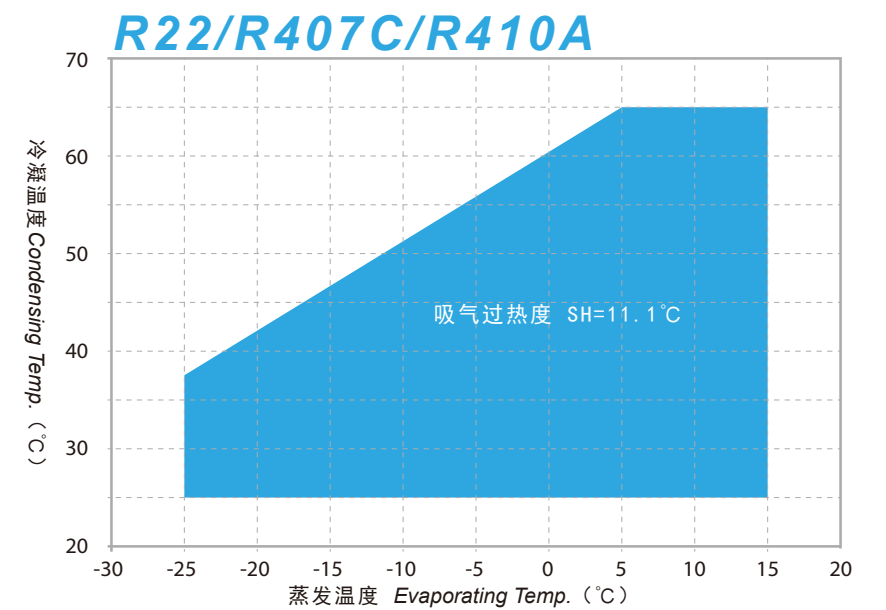
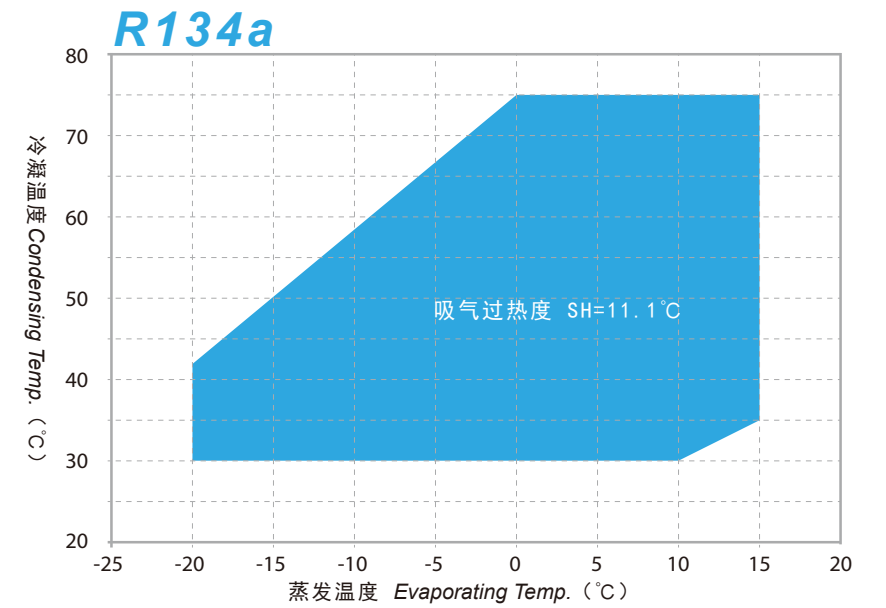
成立于 2018 年 6 月，是一家专注研发、生产节能环保型涡旋压缩机的创新型高新技术企业。公司深耕涡旋压缩机核心技术研发，已实现关键技术重大突破，产品广泛适用于工业制冷、商用热水、工业蒸汽、农业烘干、制冷工程、精密空调、轨道交通制冷、转轮除湿、工业余热回收等众多领域。企业配备先进自动化生产线及高精度检测、加工设备，依托创新生产工艺流程，产品规格覆盖 2 匹至 25 匹，先后通过 CCC、CE、CB、ROHS & REACH、ISO 9001 等多项国内外权威认证。公司高度重视知识产权布局与保护，拥有多项自主专利技术，先后获评江苏省民营科技企业、国家级高新技术企业等荣誉资质。面向未来，公司将持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。

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

防爆涡旋压缩机采用先进的涡旋压缩技术，具有运行平稳、噪音低、能效高和可靠性强等特点，广泛应用于石油化工、天然气、制药、冷链仓储及其他易燃易爆环境。为山之防爆涡旋压缩机严格按照防爆标准设计制造，关键电气部件及结构均具备优异的防爆性能，凭借卓越的能效与稳定可靠性为工业系统提供更加安全、高效、节能的解决方案。

The explosion-proof scroll compressor adopts advanced scroll compression technology, featuring smooth operation, low noise, high energy efficiency, and strong reliability. It is widely used in petrochemical, natural gas, pharmaceutical, cold-chain storage, and other hazardous environments with flammable or explosive gases.

The Weishans explosion-proof scroll compressor is designed and manufactured in strict accordance with explosion-proof standards. Its key electrical components and structural design provide excellent explosion-proof performance. With outstanding energy efficiency, stability, and reliability, it offers a safer, more efficient, and energy-saving solution for industrial systems.



型号 Model	WT61	WT125	WT144	WT190	WT61	WT125	WT144	WT190
电制 Motor Power	380-420V/3~/50Hz or 460V/3~/60Hz				380-420V/3~/50Hz or 460V/3~/60Hz			
名义功率 Nominal Power (HP)	5	10	12	15	5	10	12	15
排量 Displacement (cc/Rev)	84.5	167.2	190.8	248.9	63.9	112	127	167.2
制冷剂 Refrigerant	R22				R410A			
防爆标志 Explosion-proof Marking	Ex mb s IIC T4 Gb				Ex mb s IIC T4 Gb			
名义制冷量 Nominal Capacity (W)	14793	29270	33402	43573	16942	29694	33671	44331
名义输入功率 Nominal Power (W)	4498	8901	10157	13251	5246	9196	10428	13727
名义工况能效比 COP (W/W)	3.29	3.29	3.29	3.29	3.23	3.23	3.23	3.23
名义工况电流 Nominal Operating Current (A)	8.2	15.8	17.6	22.5	9.1	15.7	17.1	23.7
堵转电流 LRA (A)	59.3	117	117	117	59.3	117	117	117
最大运行电流 MOC (A)	11.6	22.2	23.5	31.1	13.6	21.1	27.5	33.2
曲轴箱加热器功率 Crankcase Heater (W)	70	90	90	90	70	90	90	90
接管尺寸 Fitting ID Size (mm)	排气管 Dis. Tube	12.94-13.10	22.37-22.51		12.94-13.10	22.37-22.51		
	吸气管 Suc. Tube	22.37-22.51	34.97-35.10		22.37-22.51	34.97-35.10		
外形尺寸 Dimension (mm)	长(L)	244.4	281.4		244.4	281.4		
	宽(W)	230.5	273.7		230.5	273.7		
	高(H)	403.4	523.7		403.4	523.7		
底脚安装尺寸 Mounting Dim.(Dia.) (mm)	190.5x190.5				190.5x190.5			
润滑油类型 Lubrication Oil	POE				POE			
润滑油初次充注量 Lubrication Oil Initial Charge (L)	1.8	3.0	3.2	3.2	1.4	1.8	3.0	3.0
润滑油重新充注量 Lubrication Oil Recharge (L)	1.6	2.8	3.0	3.0	1.2	1.6	2.8	2.8
最大工作压力 Maxium Operating Pressure (MPa)	高压侧 High Pressure Side	3.0			4.3			
	低压侧 Low Pressure Side	2.0			2.0			
重量 Weight (kg)	31	66	66	66	30	66	66	66

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

型号 Model	WT61	WT125	WT144	WT190	WT61	WT125	WT144	WT190
电制 Motor Power	380-420V/3~/50Hz or 460V/3~/60Hz				380-420V/3~/50Hz or 460V/3~/60Hz			
名义功率 Nominal Power (HP)	5	10	12	15	5	10	12	15
排量 Displacement (cc/Rev)	84.5	167.2	190.8	248.9	84.5	167.2	190.8	248.9
制冷剂 Refrigerant	R407C				R134A			
防爆标志 Explosion-proof Marking	Ex mb s IIC T4 Gb				Ex mb s IIC T4 Gb			
名义制冷量 Nominal Capacity (W)	14267	28230	32214	42024	10009	19805	22600	29482
名义输入功率 Nominal Power (W)	4501	8907	10164	13259	3018	5972	6815	8890
名义工况能效比 COP (W/W)	3.17	3.17	3.17	3.17	3.32	3.32	3.32	3.32
名义工况电流 Nominal Operating Current (A)	8.3	16.2	17.9	22.6	5.4	10.7	12.2	15.9
堵转电流 LRA (A)	59.3	117	117	117	59.3	117	117	117
最大运行电流 MOC (A)	11.7	23.3	26.6	31.1	11.7	23.3	26.6	31.1
曲轴箱加热器功率 Crankcase Heater (W)	70	90	90	90	70	90	90	90
接管尺寸 Fitting ID Size (mm)	排气管 Dis. Tube	12.94-13.10	22.37-22.51		12.94-13.10	22.37-22.51		
	吸气管 Suc. Tube	22.37-22.51	34.97-35.10		22.37-22.51	34.97-35.10		
外形尺寸 Dimension (mm)	长(L)	244.4	281.4		244.4	281.4		
	宽(W)	230.5	273.7		230.5	273.7		
	高(H)	403.4	523.7		403.4	523.7		
底脚安装尺寸 Mounting Dim.(Dia.) (mm)	190.5x190.5				190.5x190.5			
润滑油类型 Lubrication Oil	POE				POE			
润滑油初次充注量 Lubrication Oil Initial Charge (L)	1.8	3.0	3.2	3.2	1.8	3.0	3.2	3.2
润滑油重新充注量 Lubrication Oil Recharge (L)	1.6	2.8	3.0	3.0	1.6	2.8	3.0	3.0
最大工作压力 Maxium Operating Pressure (MPa)	高压侧 High Pressure Side	3.0			3.0			
	低压侧 Low Pressure Side	2.0			2.0			
重量 Weight (kg)	31	66	66	66	31	66	66	66

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

R22

型号Model	项目Item KW	Tc/Te	-25℃	-20℃	-15℃	-10℃	-5℃	0℃	5℃	10℃	15℃
WT61	Q	65℃							12.11	14.56	17.22
	P							5.55	5.66	5.84	
	Q	60℃						10.46	12.79	15.35	18.11
	P						4.91	4.98	5.11	5.31	
	Q	55℃					8.95	11.12	13.55	16.21	19.06
	P						4.35	4.41	4.50	4.64	4.85
	Q	50℃				7.58	9.56	11.83	14.36	17.10	20.04
	P					3.85	3.91	3.98	4.08	4.23	4.45
	Q	45℃			6.36	8.13	10.21	12.57	15.17	17.99	21.00
	P				3.40	3.47	3.53	3.60	3.71	3.86	4.09
	Q	40℃		5.31	6.83	8.69	10.85	13.28	15.96	18.85	21.92
	P			2.97	3.06	3.13	3.19	3.27	3.37	3.53	3.76
	Q	35℃	4.44	5.68	7.28	9.22	11.45	13.95	16.68	19.62	22.74
	P		2.54	2.68	2.77	2.83	2.89	2.96	3.06	3.22	3.45
	Q	30℃	4.69	6.01	7.68	9.68	11.97	14.52	17.31	20.29	23.44
	P		2.29	2.41	2.49	2.55	2.60	2.66	2.76	2.92	3.14
	Q	25℃	4.87	6.25	7.99	10.04	12.38	14.97	17.79	20.80	23.98
	P		2.05	2.16	2.23	2.28	2.32	2.37	2.46	2.60	2.82
WT125	Q	65℃							23.96	28.81	34.06
	P							10.98	11.19	11.55	
	Q	60℃						20.71	25.30	30.37	35.83
	P						9.71	9.86	10.11	10.50	
	Q	55℃					17.71	22.00	26.81	32.07	37.72
	P						8.60	8.72	8.90	9.18	9.60
	Q	50℃				15.00	18.92	23.41	28.41	33.84	39.66
	P					7.62	7.73	7.87	8.06	8.36	8.80
	Q	45℃			12.59	16.09	20.20	24.86	30.02	35.61	41.56
	P				6.73	6.86	6.98	7.12	7.33	7.64	8.10
	Q	40℃		10.51	13.52	17.19	21.47	26.28	31.58	37.29	43.36
	P			5.88	6.06	6.19	6.31	6.46	6.67	6.99	7.45
	Q	35℃	8.78	11.24	14.41	18.24	22.65	27.60	33.01	38.83	45.00
	P		5.03	5.30	5.47	5.60	5.71	5.85	6.06	6.37	6.83
	Q	30℃	9.28	11.89	15.20	19.15	23.68	28.73	34.24	40.14	46.38
	P		4.53	4.77	4.93	5.04	5.14	5.27	5.47	5.77	6.22
	Q	25℃	9.63	12.37	15.80	19.86	24.49	29.62	35.20	41.16	47.45
	P		4.06	4.28	4.42	4.51	4.58	4.69	4.87	5.15	5.58

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

R22

型号Model	项目Item KW	Tc/Te	-25℃	-20℃	-15℃	-10℃	-5℃	0℃	5℃	10℃	15℃
WT144	Q	65℃							27.35	32.87	38.87
	P							12.53	12.77	13.18	
	Q	60℃						23.63	28.88	34.65	40.89
	P						11.08	11.25	11.54	11.99	
	Q	55℃					20.21	25.11	30.59	36.60	43.05
	P						9.82	9.95	10.15	10.47	10.95
	Q	50℃				17.11	21.59	26.72	32.41	38.62	45.25
	P					8.70	8.83	8.98	9.20	9.54	10.05
	Q	45℃			14.37	18.36	23.05	28.37	34.26	40.63	47.43
	P				7.68	7.83	7.96	8.13	8.37	8.72	9.24
	Q	40℃		11.99	15.43	19.62	24.50	29.99	36.04	42.56	49.49
	P			6.71	6.92	7.07	7.21	7.37	7.61	7.97	8.50
	Q	35℃	10.02	12.83	16.45	20.81	25.85	31.49	37.67	44.31	51.35
	P		5.74	6.05	6.25	6.39	6.52	6.68	6.92	7.27	7.79
	Q	30℃	10.59	13.56	17.34	21.85	27.03	32.79	39.08	45.81	52.93
	P		5.16	5.45	5.63	5.76	5.87	6.02	6.24	6.58	7.10
	Q	25℃	10.99	14.12	18.03	22.67	27.95	33.80	40.17	46.97	54.14
	P		4.63	4.89	5.04	5.14	5.23	5.36	5.56	5.88	6.37
WT190	Q	65℃							35.67	42.88	50.71
	P							16.34	16.66	17.19	
	Q	60℃						30.82	37.67	45.21	53.35
	P						14.45	14.68	15.05	15.64	
	Q	55℃					26.36	32.75	39.91	47.74	56.16
	P						12.81	12.98	13.25	13.66	14.29
	Q	50℃				22.32	28.17	34.85	42.29	50.38	59.03
	P					11.35	11.51	11.71	12.00	12.45	13.11
	Q	45℃			18.74	23.95	30.07	37.01	44.69	53.00	61.87
	P				10.02	10.21	10.39	10.60	10.91	11.38	12.05
	Q	40℃		15.65	20.12	25.59	31.95	39.12	47.01	55.52	64.55
	P			8.75	9.02	9.22	9.40	9.62	9.93	10.40	11.09
	Q	35℃	13.08	16.73	21.45	27.15	33.72	41.08	49.14	57.80	66.98
	P		7.49	7.89	8.15	8.33	8.50	8.71	9.02	9.49	10.17
	Q	30℃	13.81	17.69	22.62	28.51	35.26	42.78	50.97	59.76	69.04
	P		6.74	7.11	7.35	7.51	7.66	7.85	8.14	8.59	9.26
	Q	25℃	14.34	18.42	23.52	29.57	36.46	44.10	52.40	61.28	70.63
	P		6.04	6.37	6.58	6.71	6.83	6.99	7.25	7.67	8.31

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

R407C

型号Model	项目Item KW	Tc/Te	-25℃	-20℃	-15℃	-10℃	-5℃	0℃	5℃	10℃	15℃	
WT61	Q	65℃							10.94	13.53	16.54	
	P								5.57	5.66	5.74	
	Q	60℃						9.56	11.94	14.70	17.90	
	P							4.94	5.03	5.10	5.17	
	Q	55℃						8.22	10.38	12.91	15.84	
	P							4.36	4.46	4.53	4.59	4.66
	Q	50℃					6.94	8.89	11.18	13.85	16.93	20.47
	P						3.85	3.95	4.02	4.07	4.13	4.21
	Q	45℃			5.73	7.48	9.54	11.95	14.74	17.96	21.66	
	P				3.37	3.48	3.56	3.61	3.66	3.72	3.81	
	Q	40℃		4.62	6.18	8.01	10.16	12.67	15.58	18.94	22.78	
	P			2.94	3.06	3.14	3.19	3.23	3.28	3.35	3.47	
	Q	35℃	3.63	4.99	6.60	8.50	10.73	13.33	16.35	19.83	23.81	
	P		2.54	2.68	2.76	2.81	2.85	2.89	2.95	3.04	3.18	
	Q	30℃	3.94	5.33	6.99	8.94	11.25	13.94	17.06	20.64	24.74	
	P		2.32	2.41	2.47	2.51	2.54	2.58	2.66	2.78	2.96	
	Q	25℃	4.23	5.65	7.33	9.34	11.70	14.47	17.67	21.36	25.57	
	P		2.09	2.16	2.19	2.22	2.25	2.31	2.41	2.56	2.79	
WT125	Q	65℃							21.65	26.77	32.73	
	P							11.01	11.20	11.35		
	Q	60℃						18.92	23.62	29.09	35.41	
	P							9.77	9.95	10.10	10.23	
	Q	55℃						16.27	20.54	25.54	31.34	
	P							8.64	8.83	8.97	9.09	9.22
	Q	50℃					13.73	17.60	22.12	27.40	33.49	40.50
	P						7.61	7.81	7.95	8.06	8.17	8.32
	Q	45℃			11.34	14.81	18.88	23.64	29.17	35.55	42.86	
	P				6.68	6.89	7.04	7.14	7.23	7.35	7.53	
	Q	40℃		9.14	12.22	15.84	20.10	25.06	30.83	37.47	45.07	
	P			5.82	6.06	6.21	6.31	6.39	6.49	6.63	6.86	
	Q	35℃	7.18	9.87	13.05	16.81	21.23	26.38	32.36	39.24	47.11	
	P		5.03	5.30	5.46	5.57	5.64	5.72	5.83	6.01	6.30	
	Q	30℃	7.80	10.55	13.83	17.70	22.26	27.58	33.75	40.85	48.96	
	P		4.59	4.78	4.89	4.96	5.02	5.11	5.25	5.49	5.85	
	Q	25℃	8.38	11.17	14.51	18.48	23.15	28.62	34.96	42.26	50.60	
	P		4.14	4.27	4.34	4.39	4.46	4.57	4.77	5.08	5.53	

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

R407C

型号Model	项目Item KW	Tc/Te	-25℃	-20℃	-15℃	-10℃	-5℃	0℃	5℃	10℃	15℃		
WT144	Q	65℃							24.70	30.55	37.35		
	P							12.57	12.78	12.95			
	Q	60℃						21.59	26.95	33.19	40.41		
	P							11.14	11.36	11.52	11.68		
	Q	55℃						18.56	23.44	29.15	35.76		
	P							9.86	10.07	10.23	10.37	10.52	
	Q	50℃					15.66	20.08	25.25	31.26	38.22	46.21	
	P						8.69	8.92	9.07	9.20	9.33	9.50	
	Q	45℃					12.94	16.90	21.54	26.97	33.28	40.56	
	P						7.62	7.87	8.03	8.15	8.26	8.39	8.60
	Q	40℃			10.44	13.94	18.08	22.93	28.60	35.18	42.76	51.43	
	P				6.64	6.92	7.09	7.20	7.30	7.41	7.57	7.82	
	Q	35℃	8.19	11.26	14.90	19.19	24.23	30.11	36.93	44.78	53.76		
	P		5.74	6.04	6.24	6.35	6.44	6.52	6.65	6.86	7.19		
	Q	30℃	8.90	12.04	15.78	20.20	25.40	31.47	38.51	46.61	55.87		
	P		5.24	5.45	5.58	5.66	5.73	5.83	6.00	6.27	6.68		
	Q	25℃	9.56	12.75	16.56	21.09	26.42	32.66	39.90	48.23	57.74		
	P		4.73	4.87	4.95	5.01	5.09	5.22	5.44	5.79	6.31		
WT190	Q	65℃							32.22	39.86	48.72		
	P							16.39	16.67	16.90			
	Q	60℃						28.16	35.16	43.30	52.72		
	P							14.54	14.81	15.03	15.23		
	Q	55℃						24.21	30.58	38.02	46.65		
	P							12.86	13.14	13.35	13.53	13.73	
	Q	50℃					20.43	26.19	32.94	40.78	49.86	60.29	
	P						11.33	11.63	11.84	12.00	12.17	12.39	
	Q	45℃					16.88	22.04	28.10	35.19	43.42	52.91	
	P						9.94	10.26	10.48	10.63	10.77	10.95	11.21
	Q	40℃					13.61	18.19	23.58	29.92	37.31	45.89	55.78
	P						8.67	9.02	9.25	9.40	9.52	9.66	9.87
	Q	35℃	10.69	14.69	19.43	25.03	31.60	39.28	48.17	58.42	70.13		
	P		7.49	7.88	8.13	8.29	8.40	8.51	8.68	8.95	9.37		
	Q	30℃	11.61	15.71	20.58	26.35	33.13	41.05	50.24	60.81	72.88		
	P		6.84	7.11	7.28	7.38	7.48	7.61	7.82	8.18	8.71		
	Q	25℃	12.47	16.63	21.60	27.51	34.47	42.61	52.05	62.91	75.32		
	P		6.17	6.35	6.46	6.54	6.64	6.81	7.10	7.56	8.23		

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

R410A

型号Model	项目Item KW	Tc/Te	-25℃	-20℃	-15℃	-10℃	-5℃	0℃	5℃	10℃	15℃	
WT61	Q	65℃							13.00	15.55	18.40	
	P							6.56	6.57	6.62		
	Q	60℃						11.90	14.32	17.04	20.09	
	P						5.89	5.89	5.91	5.98		
	Q	55℃					10.70	12.98	15.56	18.45	21.67	
	P						5.30	5.29	5.30	5.34	5.43	
	Q	50℃				9.47	11.58	14.00	16.72	19.77	23.15	
	P					4.76	4.75	4.75	4.78	4.84	4.95	
	Q	45℃			8.24	10.18	12.41	14.95	17.80	20.99	24.53	
	P				4.27	4.27	4.27	4.29	4.33	4.41	4.55	
	Q	40℃		7.08	8.82	10.84	13.18	15.83	18.81	22.12	25.79	
	P			3.81	3.83	3.84	3.85	3.88	3.94	4.04	4.20	
	Q	35℃		6.03	7.55	9.36	11.47	13.89	16.64	19.73	23.16	26.95
	P			3.37	3.42	3.44	3.46	3.49	3.53	3.61	3.73	3.92
	Q	30℃		6.42	7.99	9.86	12.04	14.54	17.38	20.56	24.09	28.00
	P			3.03	3.08	3.11	3.13	3.17	3.23	3.33	3.47	3.68
	Q	25℃		6.80	8.42	10.33	12.57	15.14	18.04	21.30	24.93	28.93
	P			2.72	2.78	2.81	2.85	2.90	2.98	3.09	3.26	3.50
WT125	Q	65℃							22.79	27.25	32.25	
	P							11.50	11.51	11.60		
	Q	60℃						20.85	25.09	29.87	35.20	
	P						10.33	10.32	10.37	10.49		
	Q	55℃					18.76	22.75	27.27	32.34	37.98	
	P						9.29	9.27	9.28	9.36	9.52	
	Q	50℃				16.60	20.30	24.53	29.31	34.65	40.58	
	P					8.34	8.33	8.33	8.37	8.48	8.68	
	Q	45℃			14.45	17.84	21.75	26.20	31.21	36.80	42.99	
	P				7.48	7.48	7.48	7.51	7.58	7.73	7.97	
	Q	40℃		12.41	15.45	19.01	23.10	27.74	32.96	38.78	45.21	
	P			6.67	6.71	6.73	6.75	6.80	6.90	7.08	7.36	
	Q	35℃		10.56	13.23	16.40	20.10	24.35	29.16	34.57	40.59	47.24
	P			5.91	5.99	6.04	6.07	6.11	6.19	6.32	6.54	6.86
	Q	30℃		11.25	14.01	17.29	21.11	25.49	30.46	36.03	42.23	49.08
	P			5.30	5.39	5.45	5.49	5.56	5.66	5.83	6.09	6.46
	Q	25℃		11.93	14.75	18.11	22.03	26.53	31.63	37.34	43.70	50.71
	P			4.77	4.87	4.93	5.00	5.09	5.22	5.42	5.72	6.13

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

R410A

型号Model	项目Item KW	Tc/Te	-25℃	-20℃	-15℃	-10℃	-5℃	0℃	5℃	10℃	15℃	
WT144	Q	65℃							25.84	30.90	36.57	
	P							13.04	13.05	13.15		
	Q	60℃						23.65	28.45	33.87	39.92	
	P						11.72	11.70	11.75	11.89		
	Q	55℃					21.27	25.79	30.92	36.67	43.07	
	P						10.53	10.51	10.53	10.61	10.80	
	Q	50℃				18.82	23.02	27.82	33.23	39.29	46.01	
	P					9.46	9.44	9.45	9.50	9.62	9.85	
	Q	45℃			16.39	20.23	24.66	29.70	35.38	41.72	48.75	
	P				8.48	8.48	8.49	8.52	8.60	8.76	9.03	
	Q	40℃		14.07	17.52	21.55	26.19	31.46	37.38	43.97	51.27	
	P			7.57	7.61	7.63	7.65	7.71	7.83	8.03	8.35	
	Q	35℃		11.98	15.00	18.59	22.79	27.61	33.07	39.20	46.03	53.57
	P			6.70	6.79	6.84	6.88	6.93	7.01	7.17	7.42	7.78
	Q	30℃		12.76	15.88	19.60	23.93	28.91	34.54	40.86	47.89	55.65
	P			6.01	6.11	6.18	6.23	6.30	6.42	6.61	6.90	7.32
	Q	25℃		13.52	16.73	20.54	24.98	30.08	35.86	42.34	49.55	57.50
	P			5.41	5.52	5.59	5.67	5.77	5.92	6.15	6.48	6.95
WT190	Q	65℃							34.02	40.68	48.14	
	P							17.16	17.18	17.31		
	Q	60℃						31.13	37.46	44.59	52.56	
	P						15.42	15.41	15.48	15.66		
	Q	55℃					28.01	33.96	40.71	48.28	56.70	
	P						13.86	13.84	13.86	13.97	14.21	
	Q	50℃				24.78	30.31	36.62	43.75	51.72	60.58	
	P					12.45	12.43	12.44	12.50	12.67	12.96	
	Q	45℃			21.57	26.63	32.47	39.11	46.59	54.93	64.17	
	P				11.16	11.17	11.17	11.21	11.32	11.54	11.89	
	Q	40℃		18.53	23.07	28.38	34.48	41.42	49.21	57.89	67.49	
	P			9.96	10.02	10.04	10.07	10.15	10.31	10.57	10.99	
	Q	35℃		15.77	19.75	24.48	30.00	36.35	43.54	51.61	60.60	70.52
	P			8.82	8.94	9.01	9.06	9.12	9.24	9.44	9.76	10.25
	Q	30℃		16.80	20.91	25.81	31.51	38.06	45.47	53.79	63.05	73.26
	P			7.92	8.05	8.13	8.20	8.30	8.45	8.70	9.09	9.64
	Q	25℃		17.80	22.02	27.04	32.89	39.60	47.21	55.74	65.23	75.70
	P			7.13	7.26	7.36	7.46	7.59	7.79	8.09	8.54	9.15

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

R134a

型号Model	项目Item KW	Tc/Te	-20℃	-15℃	-10℃	-5℃	0℃	5℃	10℃	15℃	
WT161	Q	75℃					5.35	6.69	8.27	10.15	
	P						4.71	4.71	4.72	4.75	
	Q	70℃					5.89	7.32	9.02	11.01	
	P						4.21	4.21	4.23	4.26	
	Q	65℃				5.11	6.41	7.94	9.73	11.84	
	P					3.75	3.76	3.78	3.80	3.84	
	Q	60℃				5.53	6.91	8.53	10.43	12.65	
	P					3.36	3.37	3.39	3.42	3.46	
	Q	55℃			4.68	5.93	7.39	9.09	11.10	13.43	
	P				2.99	3.01	3.02	3.04	3.08	3.12	
	Q	50℃		3.86	5.00	6.31	7.85	9.65	11.75	14.19	
	P			2.65	2.68	2.70	2.72	2.74	2.77	2.82	
	Q	45℃		4.12	5.31	6.69	8.30	10.19	12.38	14.94	
	P			2.37	2.40	2.43	2.45	2.47	2.50	2.55	
	Q	40℃		3.29	4.38	5.62	7.06	8.74	10.71	13.01	15.67
	P			2.09	2.13	2.16	2.18	2.20	2.23	2.26	2.31
	Q	35℃		3.51	4.63	5.92	7.42	9.18	11.23	13.62	16.39
	P			1.88	1.92	1.95	1.97	1.98	2.00	2.03	2.08
Q	30℃		3.72	4.88	6.22	7.79	9.62	11.75	14.23		
P			1.69	1.73	1.75	1.77	1.78	1.80	1.82		
WT125	Q	75℃					10.58	13.23	16.37	20.08	
	P						9.33	9.32	9.34	9.39	
	Q	70℃					11.65	14.49	17.84	21.79	
	P						8.33	8.34	8.37	8.44	
	Q	65℃				10.11	12.68	15.70	19.26	23.43	
	P					7.43	7.44	7.47	7.52	7.59	
	Q	60℃				10.94	13.67	16.87	20.63	25.02	
	P					6.64	6.67	6.70	6.76	6.84	
	Q	55℃			9.26	11.73	14.61	18.00	21.95	26.57	
	P				5.91	5.95	5.98	6.02	6.09	6.18	
	Q	50℃		7.64	9.89	12.49	15.53	19.09	23.24	28.08	
	P			5.24	5.30	5.34	5.38	5.42	5.49	5.58	
	Q	45℃		8.15	10.51	13.24	16.43	20.15	24.50	29.55	
	P			4.70	4.76	4.80	4.84	4.89	4.95	5.05	
	Q	40℃		6.52	8.66	11.11	13.97	17.30	21.20	25.74	31.00
	P			4.14	4.22	4.28	4.32	4.36	4.41	4.47	4.56
	Q	35℃		6.94	9.16	11.71	14.69	18.17	22.23	26.95	32.43
	P			3.72	3.80	3.85	3.89	3.93	3.97	4.02	4.11
Q	30℃		7.37	9.66	12.32	15.41	19.03	23.25	28.16		
P			3.34	3.41	3.46	3.50	3.52	3.56	3.61		

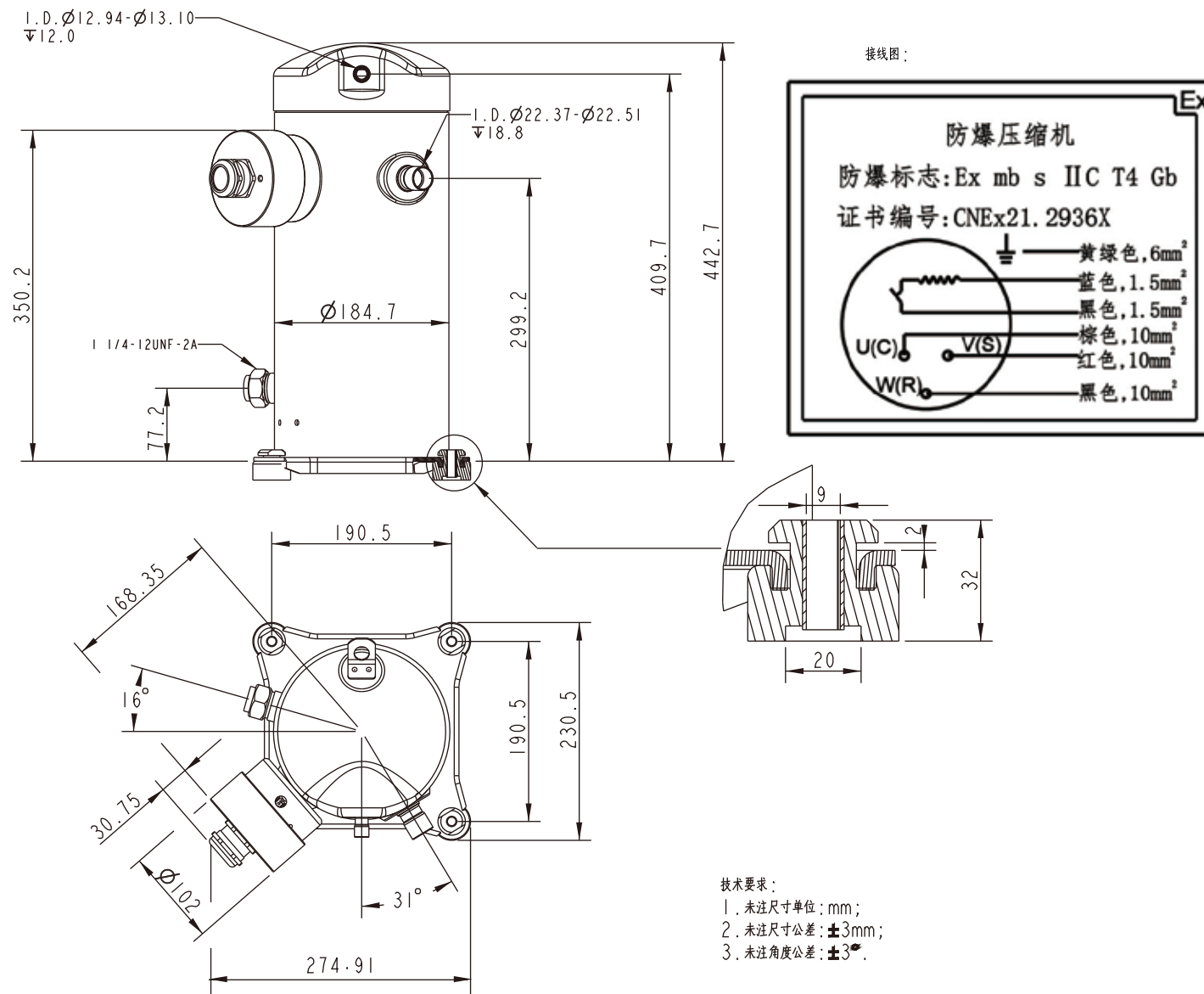
注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
 Note: The above data are based on 11.1K superheating and 8.3K subcooling

R134a

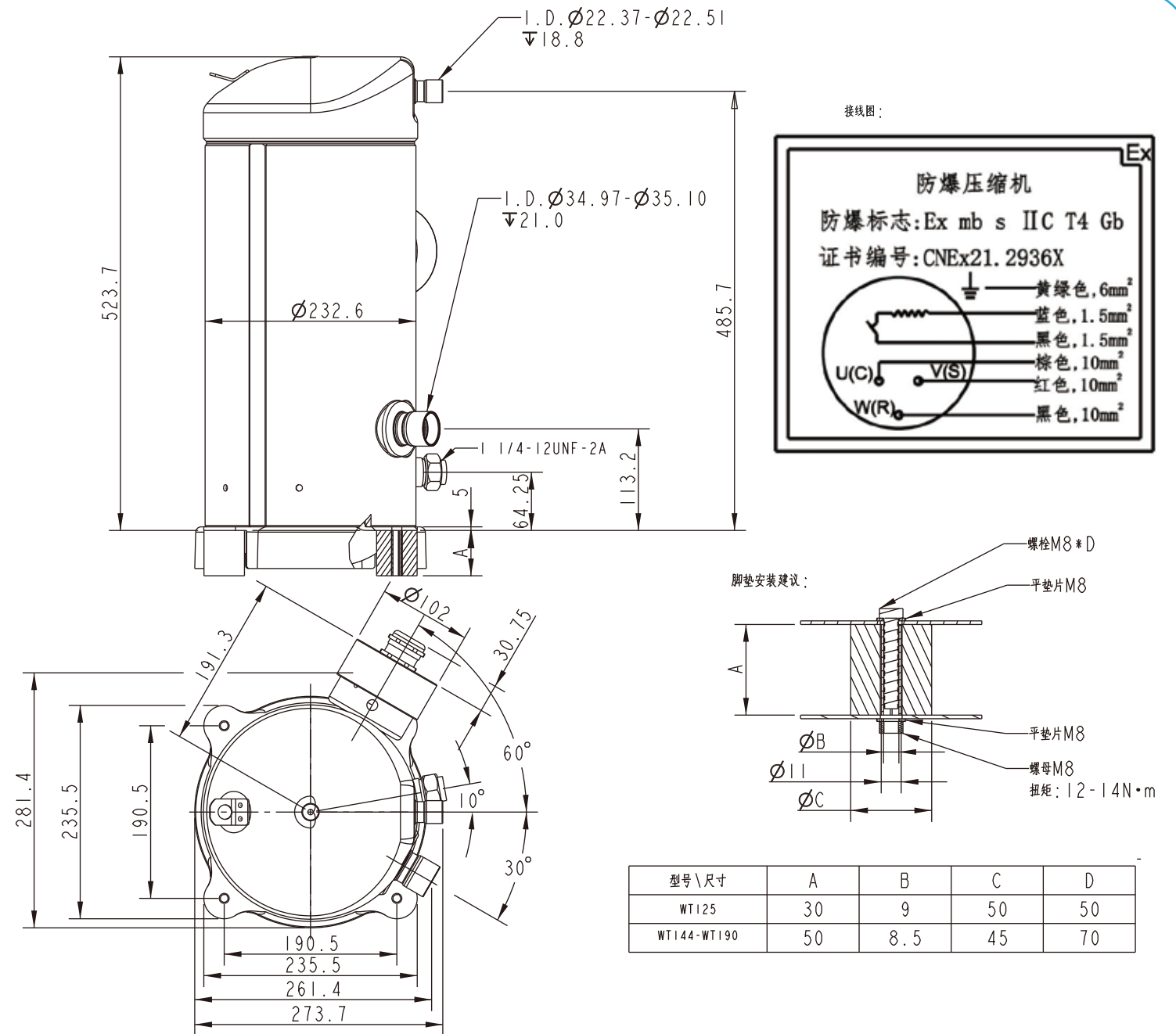
型号Model	项目Item KW	Tc/Te	-20℃	-15℃	-10℃	-5℃	0℃	5℃	10℃	15℃	
WT144	Q	75℃					12.07	15.10	18.68	22.92	
	P						10.64	10.64	10.66	10.72	
	Q	70℃					13.30	16.54	20.36	24.86	
	P						9.50	9.52	9.55	9.63	
	Q	65℃				11.54	14.47	17.92	21.98	26.74	
	P					8.48	8.50	8.52	8.58	8.66	
	Q	60℃				12.48	15.60	19.25	23.54	28.56	
	P					7.58	7.61	7.65	7.71	7.81	
	Q	55℃			10.56	13.38	16.68	20.54	25.05	30.32	
	P				6.75	6.79	6.83	6.87	6.94	7.05	
	Q	50℃		8.72	11.29	14.26	17.72	21.78	26.52	32.04	
	P			5.98	6.05	6.09	6.14	6.19	6.26	6.37	
	Q	45℃		9.30	11.99	15.11	18.74	23.00	27.96	33.72	
	P			5.36	5.43	5.48	5.52	5.58	5.65	5.76	
	Q	40℃		7.44	9.88	12.68	15.94	19.74	24.19	29.37	35.38
	P			4.72	4.82	4.88	4.93	4.98	5.03	5.10	5.21
	Q	35℃		7.92	10.45	13.37	16.76	20.73	25.37	30.76	37.00
	P			4.24	4.33	4.40	4.44	4.48	4.53	4.59	4.69
Q	30℃		8.41	11.03	14.05	17.58	21.71	26.53	32.13		
P			3.81	3.90	3.95	3.99	4.02	4.06	4.12		
WT190	Q	75℃					15.74	19.69	24.37	29.90	
	P						13.88	13.88	13.90	13.98	
	Q	70℃					17.35	21.57	26.56	32.43	
	P						12.40	12.41	12.46	12.56	
	Q	65℃				15.05	18.88	23.38	28.67	34.88	
	P					11.06	11.08	11.12	11.19	11.30	
	Q	60℃				16.28	20.34	25.11	30.71	37.25	
	P					9.89	9.92	9.98	10.06	10.19	
	Q	55℃			13.78	17.46	21.76	26.79	32.68	39.56	
	P				8.80	8.85	8.90	8.97	9.06	9.20	
	Q	50℃		11.38	14.72	18.60	23.12	28.42	34.60	41.80	
	P			7.80	7.89	7.95	8.00	8.07	8.17	8.31	
	Q	45℃		12.14	15.64	19.71	24.45	30.00	36.47	43.99	
	P			7.00	7.08	7.15	7.21	7.28	7.37	7.52	
	Q	40℃		9.70	12.89	16.54	20.79	25.76	31.56	38.31	46.15
	P			6.16	6.28	6.37	6.43	6.49	6.56	6.65	6.79
	Q	35℃		10.33	13.63	17.44	21.87	27.04	33.09	40.12	48.27
	P			5.53	5.65	5.73	5.79	5.84	5.90	5.99	6.12
Q	30℃		10.97	14.38	18.33	22.94	28.32	34.61	41.92		
P			4.97	5.08	5.15	5.20	5.24	5.29	5.37		

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

WT61



WT125-WT190



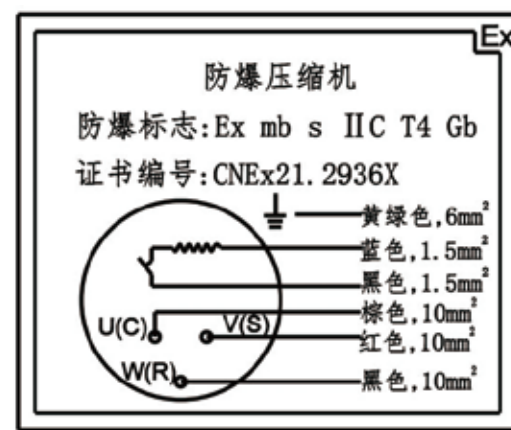
接线说明 Wiring Instruction

防爆压缩机可以使用在具有可燃气体、粉尘等易燃易爆场所，不同的防爆等级适用的场所不一样，Explosion-proof compressor can be used in flammable and explosive places such as combustible gases and dust, and different explosion-proof levels are applicable to different places,

应严格按照防爆标志对应的等级使用。

It should be used in strict accordance with the corresponding grade of explosion-proof mark. 防爆压缩机的接线盒使用环氧树脂灌注密封，以保证电气绝缘，其接线如下图所示：

The terminal box of the explosion-proof compressor is sealed with epoxy resin infusion to ensure electrical insulation, and its wiring is shown in the following figure:



a) 每根接线表示的意义:

a) The meaning of each wire:

黄绿色, 6/4mm²: 接地;

Yellow-green, 6/4mm²: grounded;

蓝色, 1.5/1.0mm²: 温度告警开关信号;

Blue, 1.5/1.0mm²: temperature alarm switch signal;

黑色, 1.5/1.0mm²: 温度告警开关信号;

Black, 1.5/1.0mm²: temperature alarm switch signal;

棕色, 10/6mm²: 三相电 U 相, 或单相电 C 端;

Brown, 10/6mm²: three-phase electric U-phase, or single-phase electric C-terminal;

红色, 10/6mm²: 三相电 V 相, 或单相电 S 端;

Red, 10/6mm²: Three-phase electric V-phase, or single-phase electric S-terminal;

黑色, 10/6mm²: 三相电 W 相, 或单相电 R 端;

Black, 10/6mm²: Three-phase electrical W-phase, or single-phase electrical R-terminal;

b) 温度告警开关信号:

b) Temperature alarm switch signal:

开关: 当接线盒内的温度达到 85±3.5℃时, 温度开关打开;

Switch: When the temperature in the junction box reaches 85±3.5℃, the temperature switch is turned on;

当接线盒内的温度复位到 70±4℃时, 温度开关闭合。

When the temperature inside the junction box is reset to 70±4℃, the temperature switch is closed.

熔断: 当接线盒内的温度达到 91±1℃时, 温度保险丝熔断, 永久断路。

Fuse: When the temperature inside the junction box reaches 91±1℃, the thermal fuse blows, and the circuit is permanently broken.

温度开关和温度保险丝的规格参数如下表:

The specifications of the temperature switch and the thermal fuse are as follows:

名称 Name	型号 Model	打开温度℃ Open Temp.	复位温度℃ Reset Temp.	熔断温度℃ Fusing Temp.	耐压 Withstand Voltage
温度开关 Temp. Switch	1NT01L-XX	85±3.5	70±4	N/A	240V,10A 277V,7.2A
温度保险丝 Temp. Fuse	SF XX	无	无	91+3/-1	250V,10A