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公司名称：苏州为山之环境技术有限公司

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Rev:202606

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





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.

为山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。



国家防爆

编号: CNEx26.1975U

防爆合格证

制造单位	苏州为山环境技术有限公司 (苏州市相城区黄埭镇春旺路8号咏春工业坊8#A栋)
产品名称	防爆压缩机
型号规格	WT310 制冷量 73200W 460V
防爆标志	Ex mb s IIC T4 Gb, Ex mb s IIIC T130°C Db
产品标准	Q/WS 002-2026
总装图号	WT.00.00

经对上述产品图样及技术文件的审查和样品检验,确认符合下列标准:
GB/T 3836.1-2021《爆炸性环境 第1部分:设备 通用要求》
GB/T 3836.9-2021《爆炸性环境 第9部分:由浇封型“m”保护的的设备》
GB/T 3836.24-2017《爆炸性环境 第24部分:由特殊型“s”保护的的设备》

记事:
1、本证书可代表产品:
WT310 制冷量 73200W、WT190 制冷量 45600W、WT125 制冷量 31100W、
WT61 制冷量 14650W、WT36 制冷量 8700W; 电压: 460V、415V、380V、220V;
防爆标志: Ex mb s IIC T4 Gb, Ex mb s IIIC T130°C Db。
2、该样机应安装在避免机械冲击的部位。
3、该样机应与满足使用环境相适应的防爆部件配合使用。
4、引出电缆应接入与使用环境相适应接线盒内或安全区。
5、压缩机内部用制冷剂为不燃或难燃制冷剂。
6、本产品不能单独使用,使用时应与管路可靠连接,确保管路内部形成正压,并配备压力控制开关,保证压缩机入口压力不低于 0.15MPa (绝对压力), 压缩机出口压力不高于 4.2MPa (绝对压力)。
7、浇封剂内温度保护元件连接的控制单元应位于安全区或和使用环境相适应的防爆控制箱内。
8、本产品使用时应配备温控装置,确保符合 T4 (T130°C) 温度组别要求。

中心主任  颁发日期 2026年05月22日

本证有效期 2026年05月22日至2031年05月21日



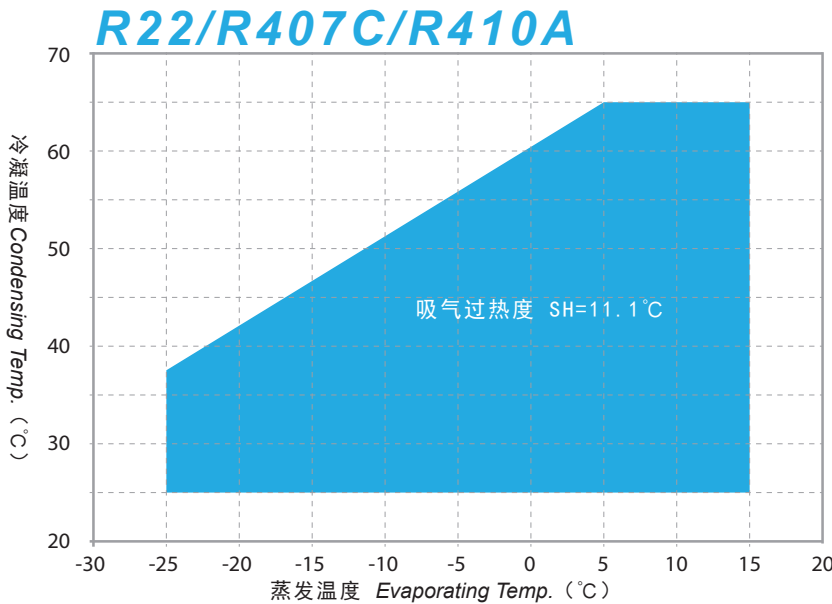
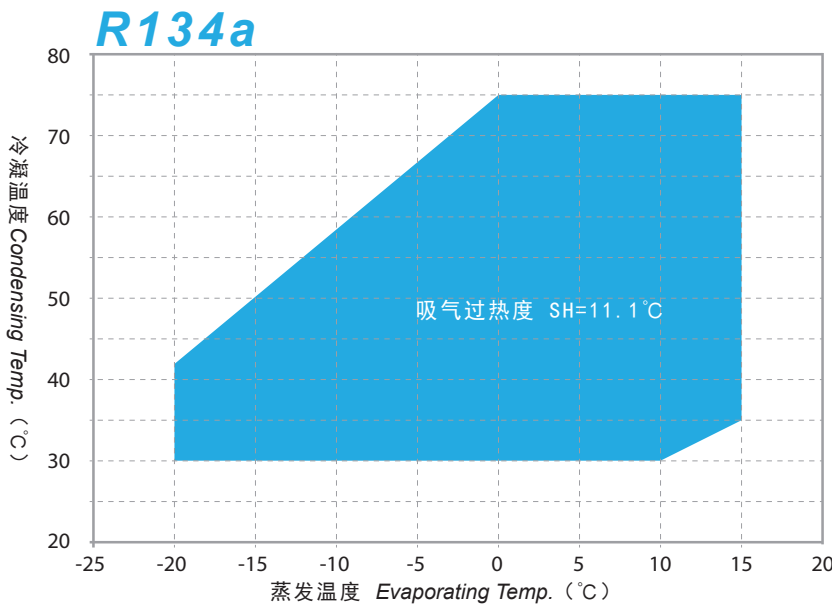
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南阳防爆电气研究所有限公司
国家防爆电气产品质量检验检测中心



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应用范围 Application Range



技术参数 Specifications

型号 Model		WT36	WT61	WT125	WT190	WT310	WT36	WT61	WT125	WT190	WT310
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)		3	5	10	15	25	3	5	10	15	25
排量 Displacement (cc/Rev)		50.6	84.5	167.2	248.9	400	32.3	63.9	112	167.2	262.8
制冷剂 Refrigerant		R22					R410A				
防爆标志 Explosion-proof Marking		Ex mb s IIC T4 Gb, Ex mb s IIIC T130℃ Db					Ex mb s IIC T4 Gb, Ex mb s IIIC T130℃ Db				
名义制冷量 Nominal Capacity (W)		8858	14793	29270	43573	70024	8564	16942	29694	44331	69678
名义输入功率 Nominal Power (W)		2694	4498	8901	13251	21295	2652	5246	9196	13727	21576
名义工况能效比 COP (W/W)		3.29	3.29	3.29	3.29	3.29	3.23	3.23	3.23	3.23	3.23
名义工况电流 Nominal Operating Current (A)		4.8	8.2	15.8	22.5	38.4	5.0	9.1	15.7	23.7	37.3
堵转电流 LRA (A)		38.8	59.3	117	117	304	38.8	59.3	117	117	267.9
最大运行电流 MOC (A)		6.6	11.6	22.2	31.1	52.0	6.6	13.6	21.1	33.2	55.0
曲轴箱加热器功率 Crankcase Heater (W)		70	70	90	90	90	70	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		28.81-28.95	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	22.37-22.51		34.97-35.10		34.97-35.10
外形尺寸 Dimension (mm)	长(L)	244.8	257.01	283.04	283.04	296.05	244.8		283.04		296.05
	宽(W)	230.5	230.5	240.5	235.5	286.05	230.5		240.5		286.05
	高(H)	402.55	442.7	522.7	522.7	653.7	402.55		522.7		653.7
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)		1.4	1.8	3.0	3.2	5.0	1.4	1.4	3.0		5.0
润滑油重新充注量 Lubrication Oil Recharge (L)		1.2	1.6	2.8	3.0	4.8	1.2	1.2	2.8		4.8
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)		30	38	66	66	92	30	30	66	66	92

注：蒸发温度7.2℃，冷凝温度54.4℃，回气温度18.3℃，过冷度8.3℃
Note: Evaporating Temperature 7.2℃, Condensing Temperature 54.4℃, Return Gas Temperature18.3℃,Subcooling 8.3℃

技术参数 Specifications

型号 Model		WT36	WT61	WT125	WT190	WT310	WT36	WT61	WT125	WT190	WT310
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)		3	5	10	15	25	3	5	10	15	25
排量 Displacement (cc/Rev)		50.6	84.5	167.2	248.9	400	50.6	84.5	167.2	248.9	400
制冷剂 Refrigerant		R407C					R134a				
防爆标志 Explosion-proof Marking		Ex mb s IIC T4 Gb, Ex mb s IIIC T130℃ Db					Ex mb s IIC T4 Gb, Ex mb s IIIC T130℃ Db				
名义制冷量 Nominal Capacity (W)		8543	14267	28230	42024	67533	5994	10009	19805	29482	47377
名义输入功率 Nominal Power (W)		2695	4501	8907	13259	21308	1807	3018	5972	8890	14287
名义工况能效比 COP (W/W)		3.17	3.17	3.17	3.17	3.17	3.32	3.32	3.32	3.32	3.32
名义工况电流 Nominal Operating Current (A)		4.9	8.3	16.2	22.6	37.0	3.2	5.4	10.7	15.9	25.5
堵转电流 LRA (A)		38.8	59.3	117	117	304	38.8	59.3	117	117	304
最大运行电流 MOC (A)		7.0	11.7	23.3	31.1	50.0	7.0	11.7	23.3	31.1	52.0
曲轴箱加热器功率 Crankcase Heater (W)		70	70	90	90	90	70	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		28.81-28.95	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	22.37-22.51		34.97-35.10		34.97-35.10
外形尺寸 Dimension (mm)	长(L)	244.8	257.01	283.04	283.04	296.05	244.8	257.01	283.04	283.04	296.05
	宽(W)	230.5	230.5	240.5	235.5	286.05	230.5	230.5	240.5	235.5	286.05
	高(H)	402.55	442.7	522.7	522.7	653.7	402.55	442.7	522.7	522.7	653.7
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)		1.4	1.8	3.0	3.2	5.0	1.4	1.8	3.0	3.2	5.0
润滑油重新充注量 Lubrication Oil Recharge (L)		1.2	1.6	2.8	3.0	4.8	1.2	1.6	2.8	3.0	4.8
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)		30	38	66	66	92	30	38	66	66	92

注：蒸发温度7.2℃，冷凝温度54.4℃，回气温度18.3℃，过冷度8.3℃
Note: Evaporating Temperature 7.2℃, Condensing Temperature 54.4℃, Return Gas Temperature18.3℃,Subcooling 8.3℃

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型号Model	项目Item (KW)	Tc\Te	-25℃	-20℃	-15℃	-10℃	-5℃	0℃	5℃	10℃	15℃
WT36	Q	65℃							7.25	8.72	10.31
	P								3.32	3.39	3.50
	Q	60℃						6.27	7.66	9.19	10.84
	P							2.94	2.98	3.06	3.18
	Q	55℃					5.36	6.66	8.11	9.71	11.42
	P						2.60	2.64	2.69	2.78	2.90
	Q	50℃				4.54	5.73	7.09	8.60	10.24	12.00
	P					2.31	2.34	2.38	2.44	2.53	2.66
	Q	45℃			3.81	4.87	6.11	7.52	9.08	10.78	12.58
	P				2.04	2.08	2.11	2.16	2.22	2.31	2.45
	Q	40℃		3.18	4.09	5.20	6.50	7.95	9.56	11.29	13.12
	P			1.78	1.83	1.87	1.91	1.96	2.02	2.11	2.25
	Q	35℃	2.66	3.40	4.36	5.52	6.86	8.35	9.99	11.75	13.62
	P		1.52	1.60	1.66	1.69	1.73	1.77	1.83	1.93	2.07
	Q	30℃	2.81	3.60	4.60	5.80	7.17	8.70	10.36	12.15	14.04
	P		1.37	1.44	1.49	1.53	1.56	1.60	1.65	1.75	1.88
WT61	Q	25℃	2.92	3.74	4.78	6.01	7.41	8.96	10.65	12.46	14.36
	P		1.23	1.30	1.34	1.36	1.39	1.42	1.47	1.56	1.69
	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
WT125	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
	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

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型号Model	项目Item (KW)	Tc\Te	-25℃	-20℃	-15℃	-10℃	-5℃	0℃	5℃	10℃	15℃
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
WT310	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
	Q	65℃							57.33	68.91	81.49
	P								26.26	26.78	27.63
	Q	60℃						49.54	60.54	72.65	85.73
	P							23.23	23.59	24.19	25.13
	Q	55℃					42.37	52.64	64.14	76.72	90.25
	P						20.58	20.86	21.29	21.96	22.96
	Q	50℃				35.88	45.27	56.01	67.96	80.96	94.87
	P					18.24	18.50	18.82	19.29	20.01	21.06
	Q	45℃			30.12	38.48	48.32	59.48	71.82	85.18	99.43
	P				16.10	16.41	16.70	17.04	17.54	18.28	19.37
	Q	40℃		25.15	32.34	41.12	51.35	62.88	75.55	89.22	103.74
	P			14.06	14.50	14.82	15.11	15.46	15.96	16.72	17.82
	Q	35℃	21.02	26.89	34.48	43.63	54.19	66.02	78.97	92.90	107.65
	P		12.04	12.67	13.09	13.39	13.66	14.00	14.50	15.25	16.34
	Q	30℃	22.19	28.43	36.36	45.82	56.66	68.74	81.92	96.04	110.96
	P		10.83	11.42	11.80	12.07	12.31	12.61	13.08	13.80	14.88
	Q	25℃	23.05	29.60	37.81	47.52	58.59	70.87	84.21	98.48	113.51
	P		9.71	10.24	10.57	10.78	10.97	11.23	11.65	12.33	13.36

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℃
WT36	Q	65℃							6.55	8.10	9.90
	P								3.33	3.39	3.43
	Q	60℃						5.73	7.15	8.80	10.72
	P							2.96	3.01	3.06	3.10
	Q	55℃					4.92	6.22	7.73	9.48	11.50
	P						2.61	2.67	2.71	2.75	2.79
	Q	50℃				4.15	5.32	6.70	8.29	10.14	12.26
	P					2.30	2.36	2.41	2.44	2.47	2.52
	Q	45℃			3.43	4.48	5.71	7.15	8.83	10.76	12.97
	P				2.02	2.09	2.13	2.16	2.19	2.23	2.28
	Q	40℃		2.77	3.70	4.79	6.08	7.59	9.33	11.34	13.64
	P			1.76	1.83	1.88	1.91	1.94	1.96	2.01	2.08
	Q	35℃	2.17	2.99	3.95	5.09	6.42	7.98	9.79	11.88	14.26
	P		1.52	1.60	1.65	1.68	1.71	1.73	1.76	1.82	1.91
	Q	30℃	2.36	3.19	4.18	5.36	6.74	8.35	10.21	12.36	14.82
	P		1.39	1.45	1.48	1.50	1.52	1.55	1.59	1.66	1.77
	Q	25℃	2.54	3.38	4.39	5.59	7.01	8.66	10.58	12.79	15.31
	P		1.25	1.29	1.31	1.33	1.35	1.38	1.44	1.54	1.67
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	19.21
	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	38.01
	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℃
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	56.58
	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	63.80
	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	67.09
	P			8.67	9.02	9.25	9.40	9.52	9.66	9.87	10.21
	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
WT310	Q	65℃							51.78	64.05	78.30
	P								26.35	26.79	27.16
	Q	60℃						45.26	56.50	69.59	84.73
	P							23.37	23.81	24.15	24.48
	Q	55℃					38.91	49.15	61.10	74.96	90.94
	P						20.66	21.12	21.45	21.74	22.07
	Q	50℃				32.84	42.09	52.93	65.54	80.13	96.89
	P					18.21	18.69	19.02	19.29	19.55	19.91
	Q	45℃			27.13	35.42	45.16	56.55	69.77	85.04	102.53
	P				15.97	16.49	16.84	17.08	17.31	17.60	18.03
	Q	40℃		21.88	29.23	37.90	48.08	59.96	73.75	89.63	107.82
	P			13.93	14.50	14.86	15.10	15.30	15.53	15.87	16.41
	Q	35℃	17.17	23.61	31.23	40.23	50.79	63.12	77.42	93.88	112.70
	P		12.04	12.67	13.07	13.32	13.49	13.68	13.95	14.38	15.07
	Q	30℃	18.66	25.25	33.08	42.34	53.24	65.97	80.73	97.72	117.13
	P		10.98	11.43	11.70	11.87	12.01	12.22	12.57	13.14	14.01
	Q	25℃	20.04	26.73	34.72	44.21	55.40	68.48	83.65	101.11	121.05
	P		9.91	10.21	10.38	10.51	10.67	10.94	11.40	12.14	13.24

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℃
WT36	Q	65℃							6.57	7.86	9.30
	P								3.32	3.32	3.34
	Q	60℃						6.01	7.24	8.61	10.15
	P							2.98	2.98	2.99	3.02
	Q	55℃					5.41	6.56	7.86	9.33	10.95
	P						2.68	2.67	2.68	2.70	2.75
	Q	50℃				4.79	5.85	7.07	8.45	9.99	11.70
	P					2.41	2.40	2.40	2.42	2.45	2.50
	Q	45℃			4.17	5.14	6.27	7.55	9.00	10.61	12.40
	P				2.16	2.16	2.16	2.17	2.19	2.23	2.30
	Q	40℃		3.58	4.46	5.48	6.66	8.00	9.51	11.18	13.04
	P			1.92	1.93	1.94	1.95	1.96	1.99	2.04	2.12
	Q	35℃	3.05	3.81	4.73	5.80	7.02	8.41	9.97	11.71	13.62
	P		1.70	1.73	1.74	1.75	1.76	1.78	1.82	1.89	1.98
	Q	30℃	3.25	4.04	4.99	6.09	7.35	8.78	10.39	12.18	14.15
	P		1.53	1.55	1.57	1.58	1.60	1.63	1.68	1.76	1.86
	Q	25℃	3.44	4.25	5.22	6.35	7.65	9.12	10.77	12.60	14.62
	P		1.38	1.40	1.42	1.44	1.47	1.50	1.56	1.65	1.77
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℃
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
WT310	Q	65℃							53.47	63.93	75.67
	P								26.98	27.01	27.21
	Q	60℃						48.93	58.88	70.09	82.61
	P							24.24	24.22	24.32	24.61
	Q	55℃					44.02	53.38	63.98	75.88	89.12
	P						21.79	21.75	21.79	21.96	22.34
	Q	50℃				38.94	47.63	57.56	68.76	81.30	95.21
	P					19.58	19.54	19.55	19.65	19.91	20.37
	Q	45℃			33.91	41.86	51.03	61.47	73.22	86.34	100.87
	P				17.55	17.56	17.56	17.62	17.80	18.13	18.70
	Q	40℃		29.12	36.26	44.60	54.20	65.10	77.34	90.99	106.08
	P			15.66	15.74	15.78	15.83	15.95	16.20	16.62	17.28
	Q	35℃	24.79	31.04	38.48	47.16	57.13	68.43	81.12	95.24	110.85
	P		13.86	14.06	14.16	14.24	14.34	14.52	14.83	15.34	16.10
	Q	30℃	26.40	32.87	40.56	49.53	59.82	71.47	84.55	99.09	115.15
	P		12.45	12.65	12.78	12.89	13.04	13.29	13.68	14.28	15.15
	Q	25℃	27.98	34.61	42.50	51.70	62.25	74.21	87.62	102.53	118.99
	P		11.20	11.42	11.58	11.73	11.93	12.24	12.72	13.42	14.39

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

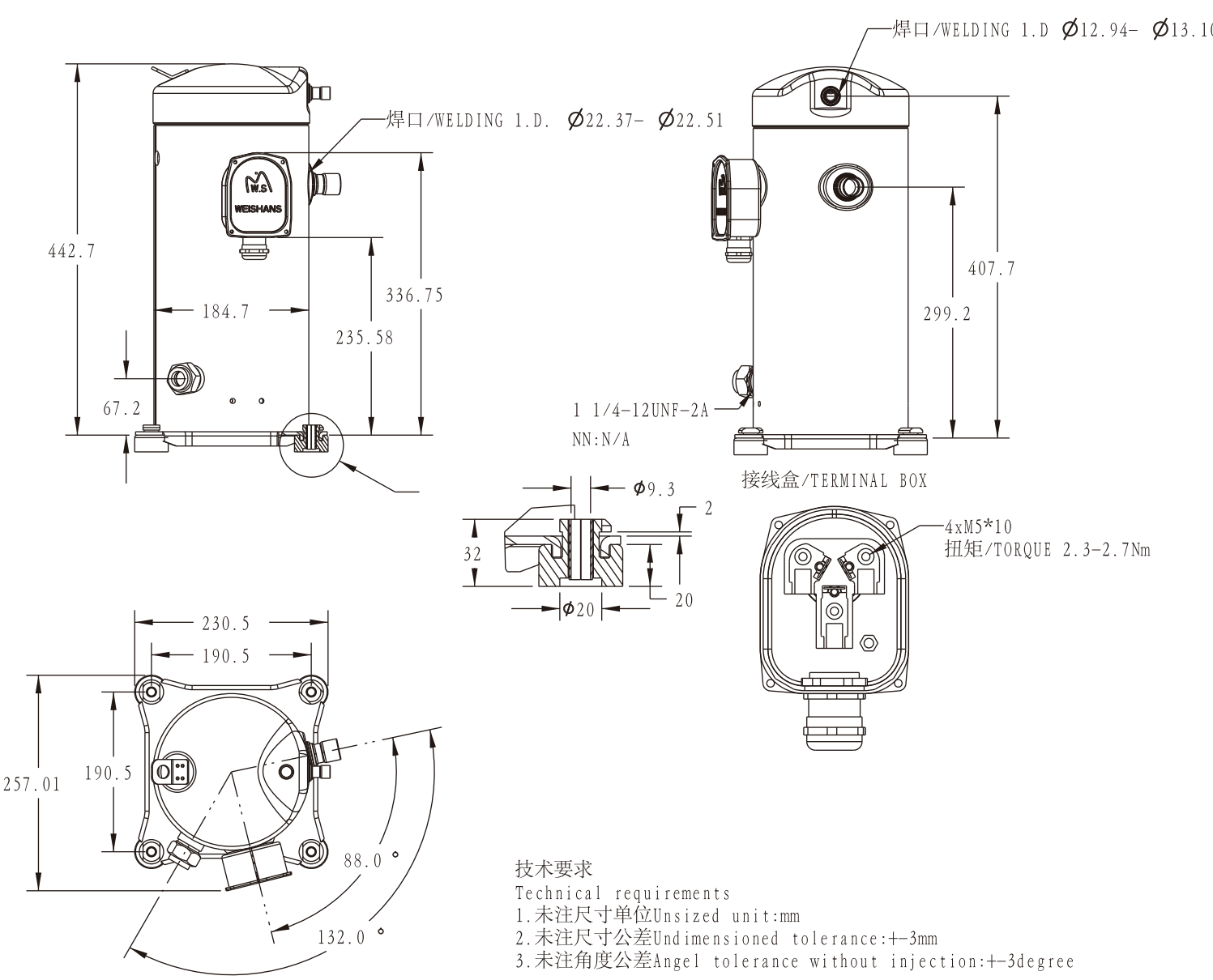
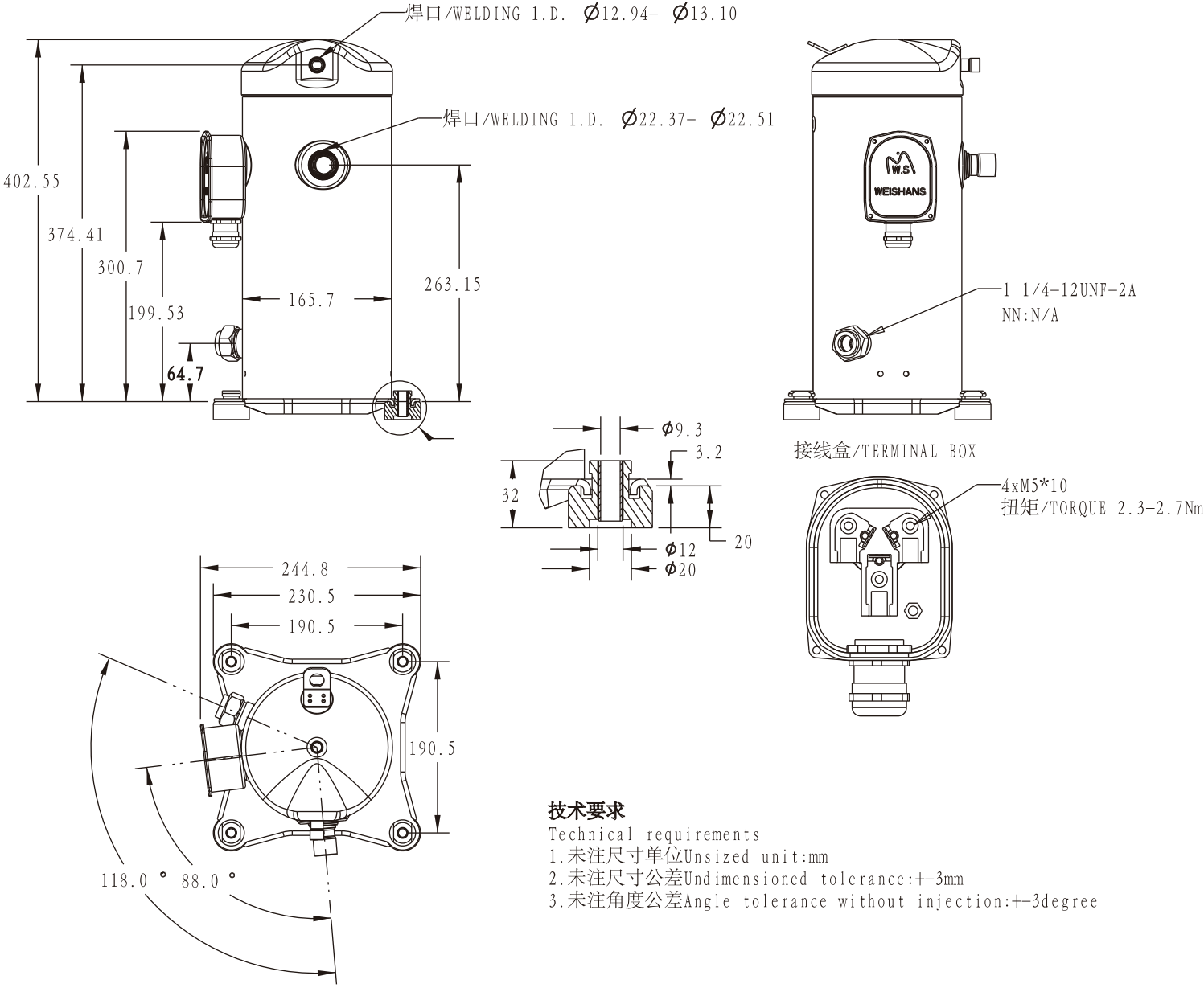
型号 Model	项目Item (KW)	Tc Te	-20℃	-15℃	-10℃	-5℃	0℃	5℃	10℃	15℃
WT36	Q	75℃					3.20	4.00	4.95	6.08
	P						2.82	2.82	2.83	2.84
	Q	70℃					3.53	4.39	5.40	6.59
	P						2.52	2.52	2.53	2.55
	Q	65℃				3.06	3.84	4.75	5.83	7.09
	P						2.25	2.25	2.26	2.30
	Q	60℃				3.31	4.14	5.11	6.24	7.57
	P						2.01	2.02	2.03	2.07
	Q	55℃			2.80	3.55	4.42	5.45	6.64	8.04
	P			1.79	1.80	1.81	1.82	1.84	1.87	
	Q	50℃		2.31	2.99	3.78	4.70	5.78	7.03	8.50
	P			1.59	1.60	1.62	1.63	1.64	1.66	1.69
	Q	45℃		2.47	3.18	4.01	4.97	6.10	7.41	8.94
	P			1.42	1.44	1.45	1.46	1.48	1.50	1.53
	Q	40℃	1.97	2.62	3.36	4.23	5.24	6.42	7.79	9.38
	P		1.25	1.28	1.30	1.31	1.32	1.33	1.35	1.38
	Q	35℃	2.10	2.77	3.55	4.45	5.50	6.73	8.16	9.81
	P		1.12	1.15	1.17	1.18	1.19	1.20	1.22	1.24
	Q	30℃	2.23	2.92	3.73	4.66	5.76	7.04	8.52	
	P		1.01	1.03	1.05	1.06	1.07	1.08	1.09	
WT61	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	3.84
	Q	60℃				5.53	6.91	8.53	10.43	12.65
	P						3.36	3.37	3.39	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	7.59
	Q	60℃				10.94	13.67	16.87	20.63	25.02
	P						6.64	6.67	6.70	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

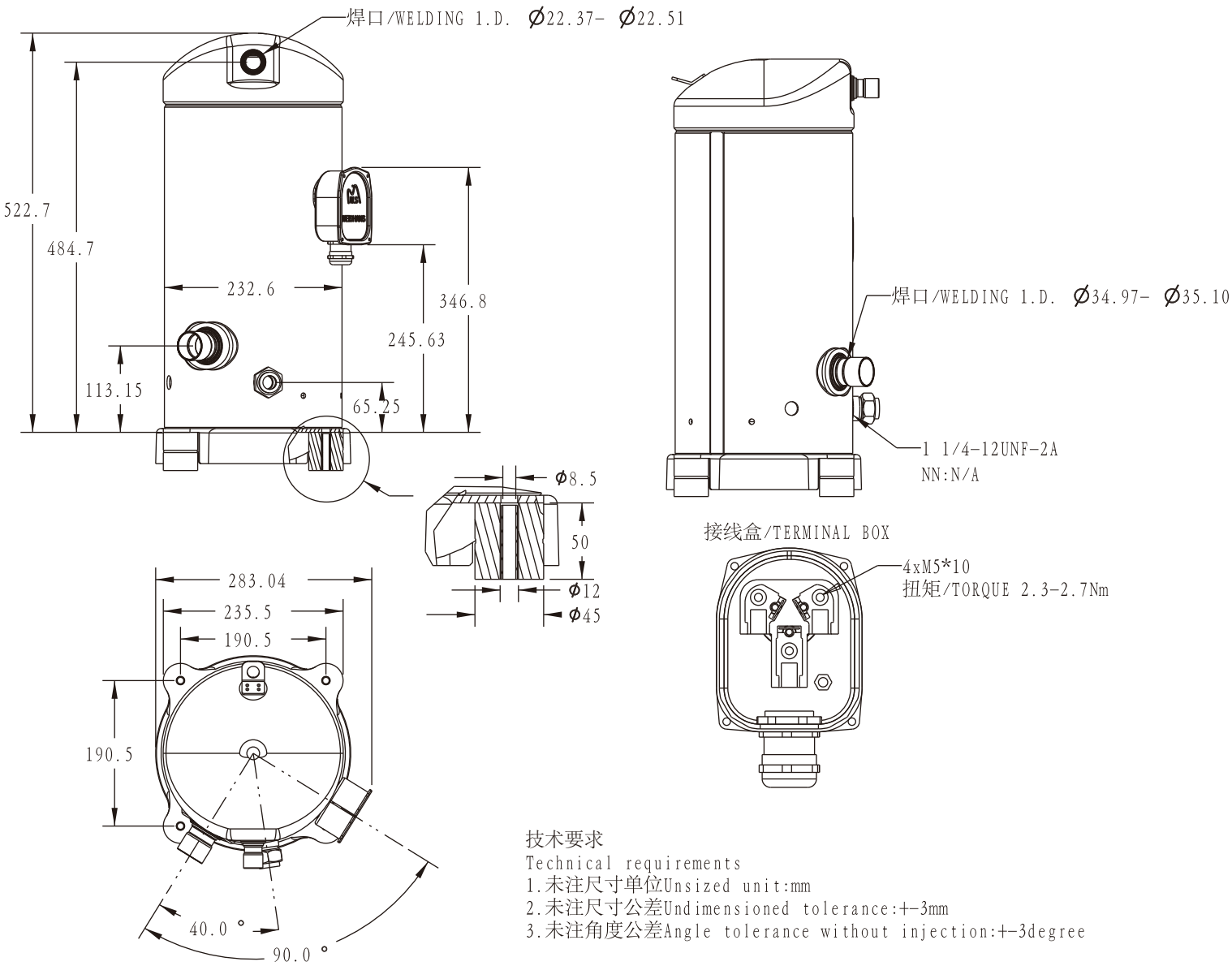
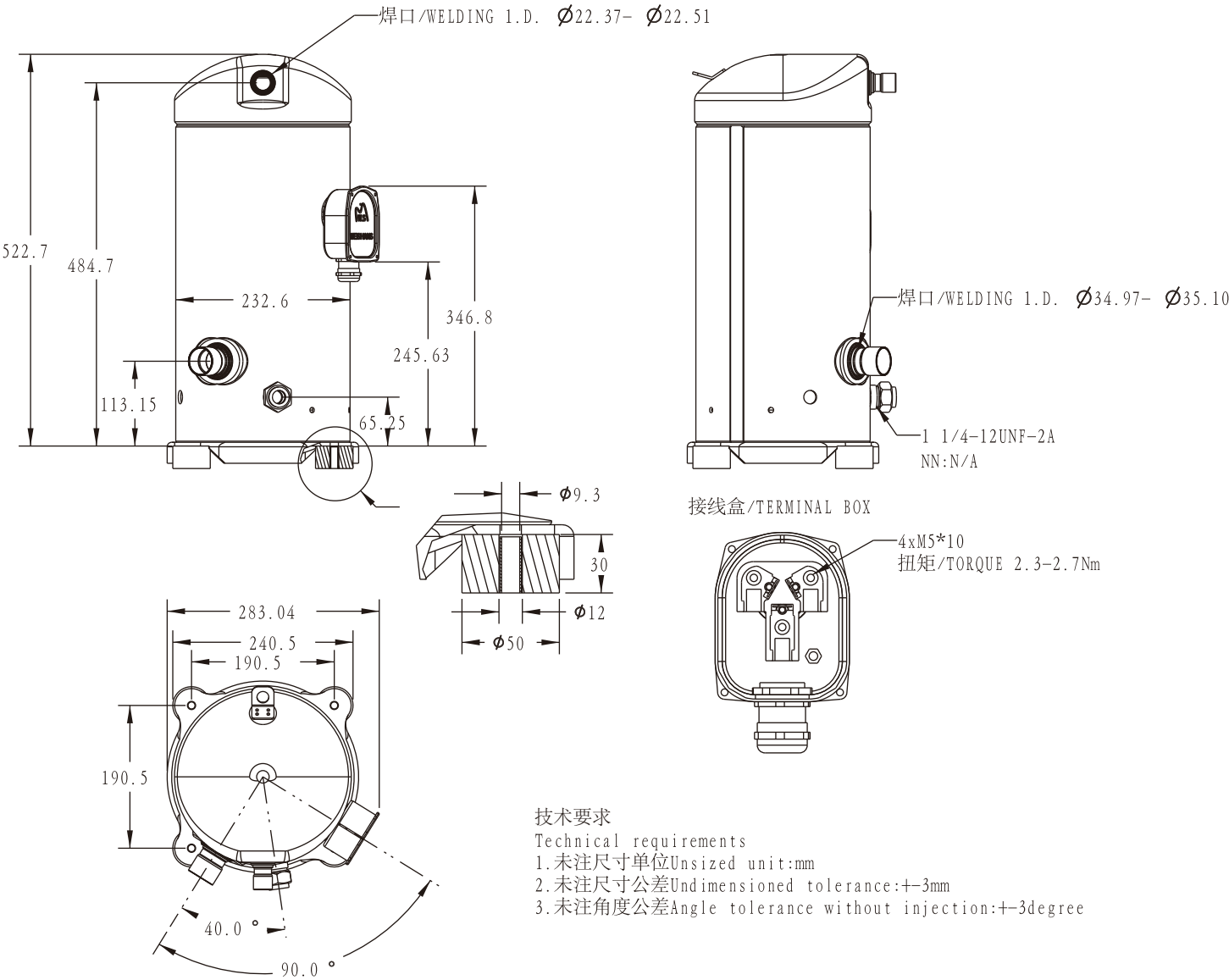
型号 Model	项目Item (KW)	Tc Te	-20℃	-15℃	-10℃	-5℃	0℃	5℃	10℃	15℃
WT190	Q	75℃					15.74	19.69	24.37	29.90
	P						13.88	13.88	13.90	13.98
	Q	70℃					17.35	21.57	26.56	32.43
	P						12.40	12.41	12.46	12.56
	Q	65℃				15.05	18.88	23.38	28.67	34.88
	P						11.06	11.08	11.12	11.30
	Q	60℃				16.28	20.34	25.11	30.71	37.25
	P						9.89	9.92	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	
WT310	Q	75℃					25.30	31.64	39.16	48.04
	P						22.31	22.30	22.34	22.46
	Q	70℃					27.88	34.67	42.68	52.12
	P						19.92	19.95	20.03	20.19
	Q	65℃				24.19	30.34	37.57	46.07	56.06
	P						17.77	17.81	17.87	18.16
	Q	60℃				26.16	32.69	40.35	49.35	59.87
	P						15.89	15.95	16.03	16.37
	Q	55℃			22.15	28.06	34.96	43.05	52.52	63.57
	P				14.14	14.23	14.31	14.41	14.56	14.78
	Q	50℃		18.29	23.67	29.89	37.16	45.66	55.61	67.18
	P			12.54	12.67	12.77	12.86	12.97	13.13	13.36
	Q	45℃		19.51	25.14	31.67	39.30	48.21	58.62	70.70
	P			11.24	11.38	11.48	11.58	11.69	11.85	12.08
	Q	40℃	15.59	20.71	26.59	33.42	41.39	50.71	61.57	74.16
	P		9.90	10.10	10.24	10.34	10.43	10.54	10.69	10.92
	Q	35℃	16.60	21.91	28.02	35.14	43.46	53.18	64.48	77.57
	P		8.89	9.08	9.21	9.30	9.39	9.49	9.63	9.84
	Q	30℃	17.63	23.11	29.46	36.86	45.52	55.62	67.37	
	P		7.99	8.16	8.28	8.36	8.42	8.50	8.62	

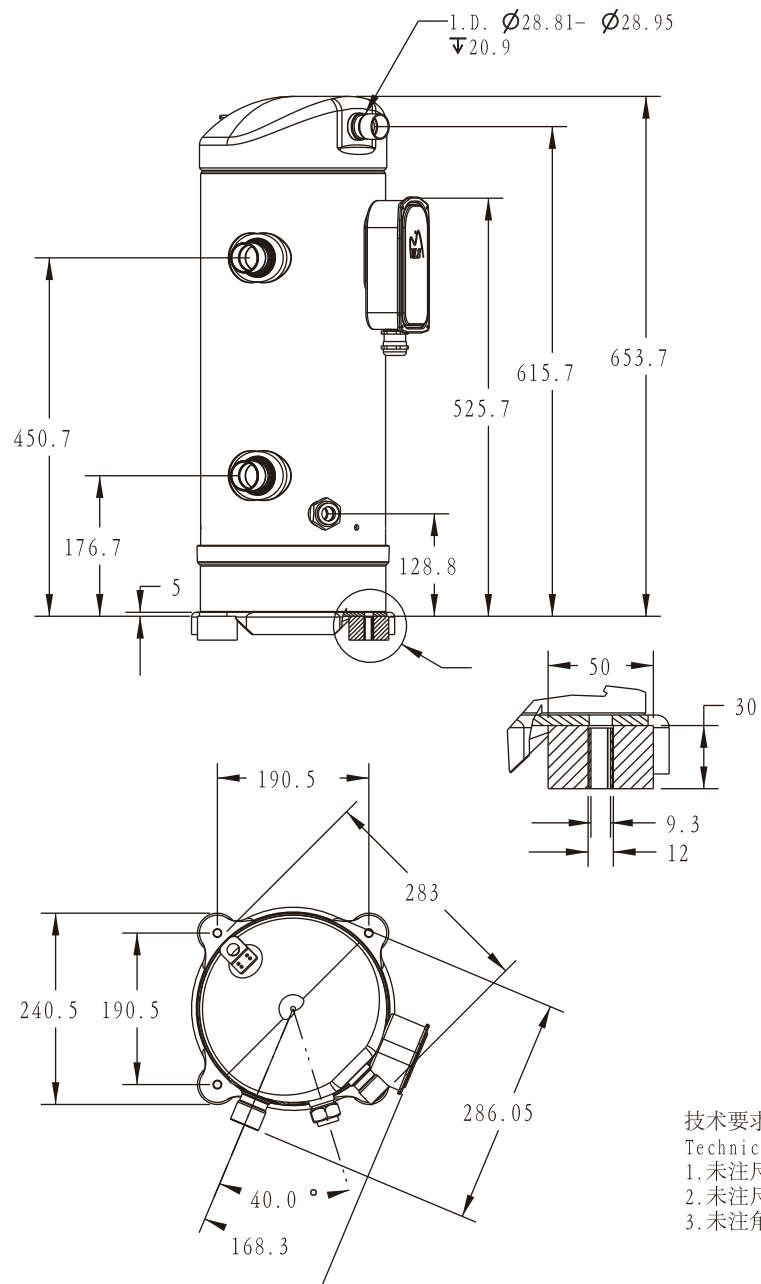
注：以上数据基于 11.1K 吸气过热度，8.3K 过冷度
Note: The above data are based on 11.1K superheating and 8.3K subcooling



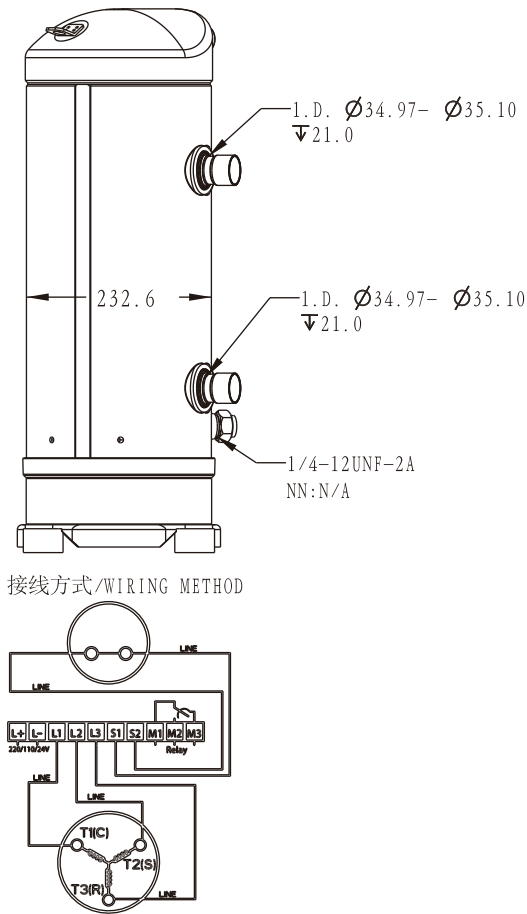
WT125

WT190





技术要求
Technical requirements
1. 未注尺寸单位: mm
2. 未注尺寸公差: $\pm 3\text{mm}$
3. 未注角度公差: Angle tolerance without injection: $\pm 3^\circ$



为山WT系列防爆压缩机接线说明
WEISHANS WT SERIES EXPLOSION-PROOF COMPRESSOR WIRING INSTRUCTIONS

防爆标准 Explosion-Proof Standard	Ex mbs IIC T4 Gb Ex mbs IIIC T130°C Db	证书编号 Certificate No.	CNEx26.1975U
压缩机排气温度应低于130℃，系统需配备排气温度130℃保护，防止温升造成可燃物燃烧和压缩机及系统损坏！ The compressor discharge temperature must remain below 130°C. The system must be equipped with a discharge temperature protection mechanism set at 130°C to prevent temperature rise from causing the combustion of flammable materials or damage to the compressor and the system!			
WT36-WT190 温控线两芯套管 Temperature Control Cable (2-Core) sheath	1. 适配G1/2螺纹 最小通径大于10毫米 Compatible with G1/2 threads; minimum bore diameter exceeds 10mm 2. TF为温度保险丝起跳温度摄氏94℃，起跳后不可复位，起跳需严格检查系统造成起跳原因，防止整个系统超过温控上限引起的风险；K为温度开关起跳温度86℃ TF denotes a thermal fuse with an activation temperature of 94℃; once triggered, it cannot be reset. Should it activate, the system must be strictly inspected to identify the underlying cause, thereby preventing risks associated with the entire system exceeding its upper temperature limit. K denotes a thermal switch with an activation temperature of 86℃		
动力线套管 Power Cable Conduit	1. WT36/WT61配备G3/4螺纹接头，波纹管通径大于16毫米 The WT36/WT61 is equipped with a G3/4 threaded connection, and the nominal diameter of the bellows exceeds 16mm 2. WT125/WT190配备G1螺纹接头，波纹管通径大于25毫米 The WT125/WT190 is equipped with a G1 threaded connection, and the nominal diameter of the bellows exceeds 25mm		
WT310 温控线四芯套管 Temperature Control Cable (4-Core) sheath	1. 适配G1/2螺纹 最小通径大于10毫米。 Compatible with G1/2 threads; minimum bore diameter exceeds 10mm 2. TF为温度保险丝起跳温度摄氏94℃，起跳后不可复位，起跳需严格检查系统造成起跳原因，防止整个系统超过温控上限引起的风险；K为温度开关起跳温度86℃ TF denotes a thermal fuse with an activation temperature of 94℃; once triggered, it cannot be reset. Should it activate, the system must be strictly inspected to identify the underlying cause, thereby preventing risks associated with the entire system exceeding its upper temperature limit. K denotes a thermal switch with an activation temperature of 86℃ 3. S1-S2为压缩机内部PTC感温探头接口，接外部保护模块对应端。 S1-S2 are the interface terminals for the compressor's internal PTC temperature probe; connect them to the corresponding terminals on the external protection module		
动力线套管 Power Cable Conduit	WT310配备G1螺纹接头，波纹管通径25毫米（国际标准） The WT310 is equipped with a G1 threaded connection and a corrugated tube with a nominal diameter of 25mm (International Standard)		
注：防爆压缩机为可燃可爆环境使用的特殊配件，请用户严格遵照相关系统设计要求，健全系统温度和电器保护措施和防范未知潜在风险情况发生！ Note: The explosion-proof compressor is a specialized component intended for use in flammable and explosive environments. Users must strictly comply with the relevant system design requirements, ensure that adequate temperature control and electrical protection measures are in place, and take appropriate precautions against unknown potential risks and hazardous situations!			

