



全谷制冷空调(上海)有限公司
Quangu Refrigeration Air-Condition(Shanghai) Co., Ltd



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全谷冷风机产品手册
Quangu Air Cooler Product Catalogue

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2013版



冷风机 Air cooler

产品特点:

Product Feature

- 镀锌板喷塑工艺，耐腐蚀性好
Galvanized sheet with plastic coated which has better corrosion resistance performance
- 采用内螺纹铜管，传热效率高
Use internal thread copper tube which is with better heat transfer performance
- 采用亲水铝箔，换热效率高，化霜效果好
Use blue fin which is with higher heat exchange rate and better defrosting performance
- 具有化霜过热保护功能，安全系数高
With defrosting over heating protection function which is more safe
- 采用冷风机专用耐低温，防潮风机，故障率低
Use low temperature resistance and moisture protection fan which is specially designed for the air cooler
- 独立的风道设计，减少多风机时的相互干扰
The independent air duct design which can reduce the mutual interference by the multi-fans

型号说明 Unit Model

QG-D301-13-75

QG: 全谷 Quangu

QG-D301-13-75

D: 吊顶式 Ceiling suspended

QG-D301-13-75

30: 300mm直径的风机 300mm diameter fan motor

QG-D301-13-75

1: 一个风机 Single fan

QG-D301-13-75

13: 1300w制冷量 1300w refrigeration capacity

QG-D301-13-75

75: 7.5mm片距 7.5mm fin space

片距: 3.0mm
Fin space: 3.0mm

蒸发温度: 0°C
Evaporating temp: 0°C

ΔT=10K
ΔT=10K

产品应用: 冷冻, 冷藏
Application: Refrigeration and cold storage

换热能力: 3.67kw-51kw
Heat exchange capacity: 3.67kw-51kw

制冷剂: R22/R404A/R407C
Refrigerant: R22/R404A/R407C

冷风风向: 水平
Air direction: Horizontal



冷风机结构:
Air cooler structure

安装方式: 吊顶式
Installation type: Ceiling suspended

• 管路: 铜管
Tube: Copper tube

• 翅片: 均采用亲水铝箔, 片距为3.0mm
Fin: Blue fin, the fin space is 3.0 mm

• 冷风机外壳: 镀锌喷塑板
Air cooler casing: Galvanized sheet with plastic coated

型号 Model number	名义换热能力 Nominal heat exchange capacity	6.5K 过热时换热能力 6.5K superheat heat exchange capacity	换热面积 Heat exchange area	风机 Fan motor		风机风量 Fan air volume	送风距离 Air blow distance	风机电源 Voltage 3-360V/50Hz	连接管 Connection pipe			蒸发器融霜管 Evaporator defrost pipe	接水盘融霜管 Water plate defrost pipe	融霜 总功率 Defrost power	
	W	W	m ²	直径 Diameter mm	数量 QTY	m ³ /h	m	输入功率 Input power KW	进管 Inlet pipe mm	出管 Outlet pipe mm	功率 Power KW	数量 QTY	功率 Power KW	数量 QTY	KW
片距 Fin space: 3.0mm 蒸发温度 Evaporating temperature: 0°C ΔT=10K															
QG-D301-37-30	3670	2940	14.5	300	1	1800	6	0.10	1/2"	7/8"					
QG-D301-45-30	4490	3590	21.7	300	1	1800	6	0.10	1/2"	7/8"					
QG-D302-73-30	7330	5870	29.2	300	2	3600	6	0.20	1/2"	7/8"					
QG-D302-90-30	9000	7200	43.8	300	2	3600	6	0.20	1/2"	7/8"					
QG-D351-55-30	5480	4370	19.2	350	1	2800	12	0.21	1/2"	7/8"					
QG-D351-63-30	6340	5080	25.2	350	1	2800	12	0.21	1/2"	7/8"					
QG-D351-71-30	7100	5680	31.9	350	1	2800	12	0.21	1/2"	7/8"					
QG-D352-109-30	10930	8740	38.4	350	2	5600	12	0.42	5/8"	1 1/8"					
QG-D352-127-30	12680	10150	51.1	350	2	5600	12	0.42	5/8"	1 1/8"					
QG-D352-142-30	14210	11370	63.9	350	2	5600	12	0.42	5/8"	1 1/8"					
QG-D353-163-30	16280	13030	57.6	350	3	8400	12	0.63	5/8"	1 1/8"					
QG-D353-192-30	19160	15330	76.8	350	3	8400	12	0.63	5/8"	1 3/8"					
QG-D353-214-30	21430	17140	96	350	3	8400	12	0.63	7/8"	1 3/8"					
QG-D354-219-30	21850	17480	76.8	350	4	11200	12	0.84	5/8"	1 3/8"					
QG-D354-254-30	25390	20310	102.4	350	4	11200	12	0.84	7/8"	1 3/8"					
QG-D354-284-30	28440	22750	127.9	350	4	11200	12	0.84	7/8"	1 5/8"					
QG-D452-207-30	20670	16540	81.4	450	2	9500	16	0.56	7/8"	1 3/8"					
QG-D452-255-30	25540	20440	122.2	450	2	9500	16	0.56	7/8"	1 3/8"					
QG-D453-380-30	38000	30400	183.3	450	3	14250	16	0.84	1 1/8"	1 5/8"					
QG-D454-414-30	41360	33090	162.9	450	4	19000	16	1.12	1 1/8"	1 5/8"					
QG-D454-511-30	51080	40870	244.3	450	4	19000	16	1.12	1 1/8"	1 5/8"					

安装示意 Installation instruction

片距: 7.5mm 蒸发温度: -31°C ΔT=6K
 Fin space: 7.5mm Evaporating temp: -31°C ΔT=6K



冷风机结构:
Air cooler structure

安装方式: 吊顶式
Installation type: Ceiling suspended

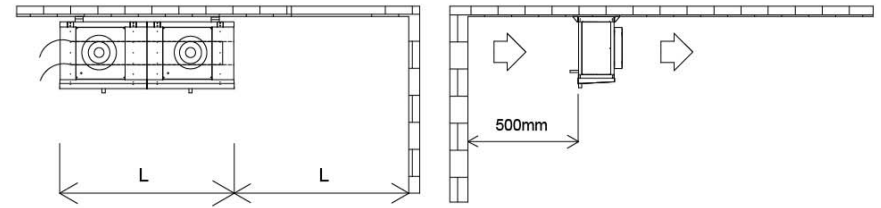
- 管路: 铜管
Tube: Copper tube
- 翅片: 均采用亲水铝箔, 片距为7.5mm
Fin: Blue fin, the fin space is 7.5 mm
- 冷风机外壳: 镀锌喷塑板
Air cooler casing: Galvanized sheet with plastic coated

产品应用: 冷冻, 冷藏
Application: Refrigeration and cold storage

换热能力: 1.32kw~19.55kw
Heat exchange capacity: 1.32kw~19.55kw

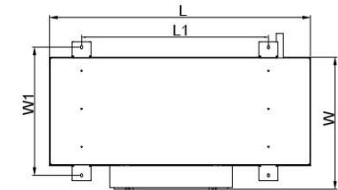
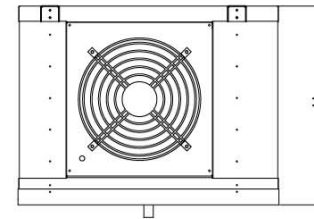
制冷剂: R22/R404A/R407C
Refrigerant: R22/R404A/R407C

冷风风向: 水平
Air direction: Horizontal



留出化霜加热管维修拆装距离
The remain of space for the repair and installation of the defrost heating pipe

焊接时火焰不要对着冷风机
The welding flame must not turn to the direction of the air cooler



型号 Model number	名义换热能力 Nominal heat exchange capacity	6.5K 过热时换热能力 6.5K superheat heat exchange capacity	换热面积 Heat exchange area	风机 Fan motor		风机风量 Fan air volume	送风距离 Air blow distance	风机电压 Voltage 3-380V/50Hz	连接管 Connection pipe		蒸发器融霜管 Evaporator defrost pipe		接水盘融霜管 Water plate defrost pipe		融霜 总功率 Defrost power
	W	W	m ²	直径 Diameter mm	数量 QTY	m ³ /h	m	输入功率 Input power KW	进管 Inlet pipe mm	出管 Outlet pipe mm	功率 Power KW	数量 QTY	功率 Power KW	数量 QTY	KW
片距 Fin space: 7.5mm 蒸发温度 Evaporating temperature: -31°C ΔT=6K															
QG-D301-13-75	1320	630	5.8	300	1	1800	7	0.10	1/2"	7/8"	0.4	3	0.4	1	1.8
QG-D301-17-75	1650	790	8.7	300	1	1800	7	0.10	1/2"	7/8"	0.4	4	0.4	1	2
QG-D302-26-75	2630	1260	11.7	300	2	3600	7	0.20	1/2"	7/8"	0.8	3	0.8	1	3.6
QG-D302-33-75	3310	1590	17.5	300	2	3600	7	0.20	1/2"	7/8"	0.8	4	0.8	1	4
QG-D351-20-75	2020	960	7.7	350	1	2800	13	0.21	1/2"	7/8"	0.5	3	0.5	1	2
QG-D351-24-75	2390	1150	10.3	350	1	2800	13	0.21	1/2"	7/8"	0.5	3	0.5	1	2
QG-D351-27-75	2670	1280	12.8	350	1	2800	13	0.21	1/2"	7/8"	0.5	4	0.5	1	2.5
QG-D352-40-75	4040	1800	15.4	350	2	5600	13	0.42	5/8"	1 1/8"	1	3	1	1	4
QG-D352-48-75	4760	2280	20.5	350	2	5600	13	0.42	5/8"	1 1/8"	1	3	1	1	4
QG-D352-54-75	5370	2580	25.7	350	2	5600	13	0.42	5/8"	1 1/8"	1	4	1	1	5
QG-D353-60-75	5980	2870	23	350	3	8400	13	0.63	5/8"	1 1/8"	1.5	3	1.5	1	6
QG-D353-72-75	7210	3460	30.7	350	3	8400	13	0.63	5/8"	1 3/8"	1.5	3	1.5	1	6
QG-D353-81-75	8080	3880	38.3	350	3	8400	13	0.63	7/8"	1 3/8"	1.5	4	1.5	1	7.5
QG-D354-80-75	8040	3860	30.7	350	4	11200	13	0.84	5/8"	1 3/8"	2	3	2	1	8
QG-D354-95-75	9510	4560	41	350	4	11200	13	0.84	7/8"	1 3/8"	2	3	2	1	8
QG-D354-107-75	10710	5140	51.2	350	4	11200	13	0.84	7/8"	1 5/8"	2	4	2	1	10
QG-D452-77-75	7730	3710	32.6	450	2	9500	17	0.56	7/8"	1 3/8"	1.3	3	1.3	1	5.2
QG-D452-98-75	9770	4690	48.9	450	2	9500	17	0.56	7/8"	1 3/8"	1.3	5	1.3	1	7.8
QG-D453-145-75	14460	6940	73.3	450	3	14250	17	0.84	1 1/8"	1 5/8"	1.9	5	1.9	1	11.4
QG-D454-155-75	15460	7420	65.2	450	4	19000	17	1.12	1 1/8"	1 5/8"	2.6	3	2.6	1	10.4
QG-D454-196-75	19550	9380	97.8	450	4	19000	17	1.12	1 1/8"	1 5/8"	2.6	5	2.6	1	15.6

型号 Model number				外形尺寸 Overall size	安装尺寸 Installation size
				L x H x W	L1 x W1
QG-D301-37-30	QG-D301-24-45	QG-D301-18-60	QG-D301-13-75	686 x 488 x 396	451 x 405
QG-D301-45-30	QG-D301-30-45	QG-D301-22-60	QG-D301-17-75	686 x 488 x 396	451 x 405
QG-D302-73-30	QG-D302-48-45	QG-D302-35-60	QG-D302-26-75	1112 x 488 x 396	877 x 405
QG-D302-90-30	QG-D302-60-45	QG-D302-45-60	QG-D302-33-75	1112 x 488 x 396	877 x 405
QG-D351-55-30	QG-D351-36-45	QG-D351-26-60	QG-D351-20-75	828 x 628 x 416	591 x 405
QG-D351-65-30	QG-D351-43-45	QG-D351-31-60	QG-D351-24-75	828 x 628 x 416	591 x 405
QG-D351-71-30	QG-D351-48-45	QG-D351-36-60	QG-D351-27-75	828 x 628 x 416	591 x 405
QG-D352-109-30	QG-D352-72-45	QG-D352-52-60	QG-D352-40-75	1394 x 628 x 416	1157 x 405
QG-D352-127-30	QG-D352-85-45	QG-D352-63-60	QG-D352-48-75	1394 x 628 x 416	1157 x 405
QG-D352-142-30	QG-D352-96-45	QG-D352-72-60	QG-D352-54-75	1394 x 628 x 416	1157 x 405
QG-D353-163-30	QG-D353-107-45	QG-D353-78-60	QG-D353-60-75	1960 x 628 x 416	1723 x 405
QG-D353-192-30	QG-D353-129-45	QG-D353-85-60	QG-D353-72-75	1960 x 628 x 416	1723 x 405
QG-D353-214-30	QG-D353-145-45	QG-D353-108-60	QG-D353-81-75	1960 x 628 x 416	1723 x 405
QG-D354-219-30	QG-D354-144-45	QG-D354-105-60	QG-D354-80-75	2526 x 628 x 416	(1132+1157) x 405
QG-D354-254-30	QG-D354-171-45	QG-D354-126-60	QG-D354-95-75	2526 x 628 x 416	(1132+1157) x 405
QG-D354-284-30	QG-D354-192-45	QG-D354-143-60	QG-D354-107-75	2526 x 628 x 416	(1132+1157) x 405
QG-D452-207-30	QG-D452-138-45	QG-D452-102-60	QG-D452-77-75	1702 x 788 x 426	1467 x 405
QG-D452-255-30	QG-D452-174-45	QG-D452-131-60	QG-D452-98-75	1702 x 788 x 426	1467 x 405
QG-D453-380-30	QG-D453-258-45	QG-D453-194-60	QG-D453-145-75	2423 x 788 x 426	2188 x 405
QG-D454-414-30	QG-D454-277-45	QG-D454-203-60	QG-D454-158-75	3144 x 788 x 426	(1442+1467) x 405
QG-D454-511-30	QG-D454-348-45	QG-D454-261-60	QG-D454-196-75	3144 x 788 x 426	(1442+1467) x 405

片距: 4.5mm
Fin space: 4.5mm

蒸发温度: -8°C
Evaporating temp: -8°C

ΔT=8K
ΔT=8K

片距: 6.0mm
Fin space: 6.0mm

蒸发温度: -25°C
Evaporating temp: -25°C

ΔT=7K
ΔT=7K



冷风机结构:
Air cooler structure

安装方式: 吊顶式
Installation type: Ceiling suspended

- 管路: 铜管
Tube: Copper tube
- 翅片: 均采用亲水铝箔, 片距为4.5mm
Fin: Blue fin, the fin space is 4.5 mm
- 冷风机外壳: 镀锌喷塑板
Air cooler casing: Galvanized sheet with plastic coated

产品应用: 冷冻, 冷藏
Application: Refrigeration and cold storage

换热能力: 2.42kw~34.77kw
Heat exchange capacity: 2.42kw~34.77kw

制冷剂: R22/R404A/R407C
Refrigerant: R22/R404A/R407C

冷风风向: 水平
Air direction: Horizontal

产品应用: 冷冻, 冷藏
Application: Refrigeration and cold storage

换热能力: 1.76kw~26.1kw
Heat exchange capacity: 1.76kw~26.1kw

制冷剂: R22/R404A/R407C
Refrigerant: R22/R404A/R407C

冷风风向: 水平
Air direction: Horizontal



冷风机结构:
Air cooler structure

- 管路: 铜管
Tube: Copper tube
- 翅片: 均采用亲水铝箔, 片距为6.0mm
Fin: Blue fin, the fin space is 6.0 mm
- 冷风机外壳: 镀锌喷塑板
Air cooler casing: Galvanized sheet with plastic coated

安装方式: 吊顶式
Installation type: Ceiling suspended

型号 Model number	名义换热能力 Nominal heat exchange capacity	6.5K 过热时换热能力 6.5K superheat heat exchange capacity	换热面积 Heat exchange area	风机 Fan motor		风机风量 Fan air volume	送风距离 Air blow distance	风机电压 Voltage	连接管 Connection pipe		蒸发器融霜管 Evaporator defrost pipe		接水盘融霜管 Water plate defrost pipe		融霜总功率 Defrost power
	W	W	m²	直径 Diameter mm	数量 QTY	m³/h	m	输入功率 Input power KW	进管 Inlet pipe mm	出管 Outlet pipe mm	功率 Power KW	数量 QTY	功率 Power KW	数量 QTY	KW
片距 Fin space: 4.5mm 蒸发温度 Evaporating temperature: -8°C ΔT=8K															
QG-D301-24-45	2420	1550	9.7	300	1	1800	6	0.10	1/2"	7/8"	0.4	2	0.4	1	1.2
QG-D301-30-45	3010	1930	14.5	300	1	1800	6	0.10	1/2"	7/8"	0.4	2	0.4	1	1.2
QG-D302-48-45	4830	3090	19.5	300	2	3600	6	0.20	1/2"	7/8"	0.8	2	0.8	1	2.4
QG-D302-60-45	6030	3860	29.2	300	2	3600	6	0.20	1/2"	7/8"	0.8	2	0.8	1	2.4
QG-D351-36-45	3590	2300	12.8	350	1	2800	12	0.21	1/2"	7/8"	0.5	2	0.5	1	1.5
QG-D351-43-45	4270	2730	17.1	350	1	2800	12	0.21	1/2"	7/8"	0.5	2	0.5	1	1.5
QG-D351-48-45	4790	3070	21.3	350	1	2800	12	0.21	1/2"	7/8"	0.5	2	0.5	1	1.5
QG-D352-72-45	7180	4600	25.6	350	2	5600	12	0.42	5/8"	1 1/8"	1	2	1	1	3
QG-D352-85-45	8510	5450	34.1	350	2	5600	12	0.42	5/8"	1 1/8"	1	2	1	1	3
QG-D352-96-45	9580	6130	42.6	350	2	5600	12	0.42	5/8"	1 1/8"	1	2	1	1	3
QG-D353-107-45	10680	6840	38.4	350	3	8400	12	0.63	5/8"	1 3/8"	1.5	2	1.5	1	4.5
QG-D353-129-45	12880	8240	51.2	350	3	8400	12	0.63	5/8"	1 3/8"	1.5	2	1.5	1	4.5
QG-D353-145-45	14480	9250	64	350	3	8400	12	0.63	7/8"	1 3/8"	1.5	2	1.5	1	4.5
QG-D354-144-45	14380	9190	51.2	350	4	11200	12	0.84	5/8"	1 3/8"	2	2	2	1	6
QG-D354-171-45	17050	10910	68.3	350	4	11200	12	0.84	7/8"	1 3/8"	2	2	2	1	6
QG-D354-192-45	19180	12280	85.3	350	4	11200	12	0.84	7/8"	1 5/8"	2	2	2	1	6
QG-D452-138-45	13830	8850	54.3	450	2	9500	16	0.56	7/8"	1 3/8"	1.3	2	1.3	1	3.9
QG-D452-174-45	17390	11130	81.5	450	2	9500	16	0.56	7/8"	1 3/8"	1.3	3	1.3	1	5.2
QG-D453-258-45	25810	16520	122.2	450	3	14250	16	0.84	1 1/8"	1 5/8"	1.9	3	1.9	1	7.8
QG-D454-277-45	27670	17710	108.6	450	4	19000	16	1.12	1 1/8"	1 5/8"	2.6	2	2.6	1	7.8
QG-D454-348-45	34770	22250	162.9	450	4	19000	16	1.12	1 1/8"	1 5/8"	2.6	3	2.6	1	10.4

型号 Model number	名义换热能力 Nominal heat exchange capacity	6.5K 过热时换热能力 6.5K superheat heat exchange capacity	换热面积 Heat exchange area	风机 Fan motor		风机风量 Fan air volume	送风距离 Air blow distance	风机电压 Voltage	连接管 Connection pipe		蒸发器融霜管 Evaporator defrost pipe		接水盘融霜管 Water plate defrost pipe		融霜总功率 Defrost power
	W	W	m²	直径 Diameter mm	数量 QTY	m³/h	m	输入功率 Input power KW	进管 Inlet pipe mm	出管 Outlet pipe mm	功率 Power KW	数量 QTY	功率 Power KW	数量 QTY	KW
片距 Fin space: 6.0mm 蒸发温度 Evaporating temperature: -25°C ΔT=7K															
QG-D301-18-60	1760	990	7.3	300	1	1800	6	0.10	1/2"	7/8"	0.4	3	0.4	1	1.6
QG-D301-22-60	2240	1250	10.9	300	1	1800	6	0.10	1/2"	7/8"	0.4	4	0.4	1	2
QG-D302-35-60	3500	1960	14.6	300	2	3600	6	0.20	1/2"	7/8"	0.8	3	0.8	1	3.2
QG-D302-45-60	4500	2520	21.9	300	2	3600	6	0.20	1/2"	7/8"	0.8	4	0.8	1	4
QG-D351-26-60	2610	1460	9.6	350	1	2800	12	0.21	1/2"	7/8"	0.5	3	0.5	1	2
QG-D351-31-60	3130	1750	12.8	350	1	2800	12	0.21	1/2"	7/8"	0.5	3	0.5	1	2
QG-D351-36-60	3580	2000	16	350	1	2800	12	0.21	1/2"	7/8"	0.5	4	0.5	1	2.5
QG-D352-52-60	5220	2920	19.2	350	2	5600	12	0.42	5/8"	1 1/8"	1	3	1	1	4
QG-D352-63-60	6270	3510	25.6	350	2	5600	12	0.42	5/8"	1 1/8"	1	3	1	1	4
QG-D352-72-60	7170	4020	32	350	2	5600	12	0.42	5/8"	1 1/8"	1	4	1	1	5
QG-D353-78-60	7780	4350	28.8	350	3	8400	12	0.63	5/8"	1 3/8"	1.5	3	1.5	1	6
QG-D353-95-60	9500	5320	38.4	350	3	8400	12	0.63	5/8"	1 3/8"	1.5	3	1.5	1	6
QG-D353-108-60	10810	6050	48	350	3	8400	12	0.63	7/8"	1 3/8"	1.5	4	1.5	1	7.5
QG-D354-105-60	10450	5850	38.4	350	4	11200	12	0.84	5/8"	1 3/8"	2	3	2	1	8
QG-D354-126-60	12550	7030	51.2	350	4	11200	12	0.84	7/8"	1 3/8"	2	3	2	1	8
QG-D354-143-60	14330	8020	64	350	4	11200	12	0.84	7/8"	1 5/8"	2	4	2	1	10
QG-D452-102-60	10150	5680	40.7	450	2	9500	16	0.56	7/8"	1 3/8"	1.3	3	1.3	1	5.2
QG-D452-131-60	13050	7310	61.1	450	2	9500	16	0.56	7/8"	1 3/8"	1.3	5	1.3	1	7.8
QG-D453-194-60	19350	10840	91.7	450	3	14250	16	0.84	1 1/8"	1 5/8"	1.9	5	1.9	1	11.4
QG-D454-203-60	20320	11380	81.5	450	4	19000	16	1.12	1 1/8"	1 5/8"	2.6	3	2.6	1	10.4
QG-D454-261-60	26100	14620	122.2	450	4	19000	16	1.12	1 1/8"	1 5/8"	2.6	5	2.6	1	15.6