

商用双出风型冷风机

TA系列



2 19.5 kW



BEIJER REF

Commercial Dual Blow Unit Cooler
TA Series



优势 Advantages



静音节能
Silent and Economy



圆角设计
Rounded Corner



整体型风罩
Integral Fan Hood



描述

Description

- 吊顶安装的 TA 系列双出风型冷风机是专门为食品加工准备间、各类包装间、实验室、冷库而设计的静音冷风机。
- The ceiling mountd TA Dual Blow Unit Cooler is a kind of silent cooler designed specifically for food processing room, packing room, laboratory and cold storage.
- 总共有 14 种类型，高温型温度范围（翅片间隔 3.63mm）以及中温型温度范围（翅片间隔 6.35mm）。
- Totally it has 14 models covering both high temperature range (3.63mm fin spacing) and medium temperature range (6.35 mm fin spacing).
- 风口直径统一为 $\Phi 350$ mm，均为全封闭电机。
- Uniform 350mm outlet diameter hermetic fan.
- 壳体为 ABS 工程塑料，整体型风罩，圆角设计，防腐处理，坚固美观，耐热冲击。
- ABS engineering plastic casing, rounded corner, integral fan hood and anti-corrosion treatment create solid good-looking exterior and thermal shock resistance.
- 中间的排水盘能够防止壳体上产生冷凝。
- An intermediate drain pan avoids condensation on the casing. specify when ordering.

市场范围 Market Segments



- 大型商超 Supermarket
- 食品加工间 Processing Room
- 准备间 Packing Room

命名规则 Nomenclature

商用双出风型冷风机
TA COMMERCIAL DUAL BLOW UNIT COOLER

TA 1R⁽¹⁾ 6P⁽²⁾ -H⁽³⁾ C⁽⁴⁾

(1) 1R=1: 序号

R: 高温.片距3.63mm

L: 中温.片距6.35mm

(2) 6P=电机极数

6P: 6极电机

(3) H=带电加热丝除霜

空白: 无除霜

N: InterLink

(4) C=订单代码

(1) 1: Series No.

R: High temp. Fin spacing 3.63mm

L: Medium temp. Fin spacing 6.35mm

(2) 6P: Number of Poles

6P: 6 Poles motor

(3) H: Elec. Defrost

Blank: Without defrost

N: InterLink

(4) C: Order Code

注: 低温冷风机标配电除霜

Note: Electrical defrost is standard for low temp. units.

修正系数 Correction Factors

双出风冷风机标准工况

Dual Blow unit coolers standard conditions

标准型号 Models	tA1进风温度 (°C) tA1 Inlet temperature(°C)	te蒸发温度 (°C) te SST(°C)	标准温差TD1 (K) Standard TD1(K)
TA...R 6P	+10	0	10
TA...L 6P	0	-8	8

翅片材料系数

Fin Material Correction Factors

铝翅片 Aluminum fin	带涂层铝翅片 Coated Aluminum fin
1	0.97

注: 实际制冷量=标准制冷量X修正系数X实际温差/标准温差

Note: Actual capacity = capacity X factor X actual KTD / KTD at Rated Conditions.

选项 Options

● 标配 Standard

○ 选配 Optional

× 不提供 N/A

选项 Options	BOHN	
	TAR-高温冷风机 TAR-High Temp	TAL-中温冷风机 TAL-Medium Temp
电机 Motor		
Interlink 电机 Interlink motor	●	●
EBM电机 (EC) EBM motor(EC)	×	×
FMV电机 FMV motor	×	×
施乐佰电机 ZIEHL-ABEGG motor	×	×
翅片 Fin		
翅片涂层 (清水铝箔) Fin coating (blue fin)	○	○
翅片涂层 (黑色电泳) Fin coating(black electrophoresis)	×	×
外壳 Casing		
ABS工程塑料 ABS	●	●
喷塑铝板 Plastics sprayed aluminum	×	×
不锈钢 Stainless steel	×	×
除霜方式 Defrost		
电加热丝除霜 Electrical defrost	○	●
热气化霜 (盘管) Hot gas defrost(coil)	○	○
水化霜 Water defrost	×	×
翅片片距 Fin spacing		
7FPI (3.63mm)	●	○
6FPI (4.23mm)	○	○
5FPI (5.08mm)	○	○
4FPI (6.35mm)	○	●
其他 Others		
风机接线 Fan wiring	●	●
电气箱 (IP54) Electrical cabinet(IP54)	×	×

注：如需其他未列出的配置，请咨询百尔当地代表处。

Note: If need other unlisted configurations, please consult Beijer Ref local representative office.

技术参数

Technical Data

(片距3.63mm)

型号 Model	制冷量 Capacity (TD=10K)		内容积 Internal Volume	换热 面积 Surface	风机参数 Fan data					电加热丝（可选） Heaters(option) (220V/1P/50Hz)	净重 Net weight	声压级 Sound pressure level
	R22	R404A			(220伏/ 1相/ 50Hz)			(220V/1P/ 50Hz)				总功率 Total power
					风扇数量 No.of fans 350mm直径	风量 Air Flow	射程 Air throw	总功率 Total power	总电流 Total current	Lp 4m		
TA.R 6P	kW	kW	dm³	m²	No.	m³/h	m	W	A max	W	kg	dB(A)
1	3.85	3.93	2.23	15.23	1	1310	7	1X68	1X0.30	800	22	29
2	5.23	6.09	2.23	15.23	2	2910	7	2X68	2X0.30	800	28.3	32
3	6.96	7.46	3.35	22.84	2	2750	7	2X68	2X0.30	1200	31	32
4	7.83	8.06	4.46	30.45	2	2615	7	2X68	2X0.30	1600	33.6	32
5	10.49	11.26	5.02	34.26	3	4125	7	3X68	3X0.30	1800	37.4	34
6	12.90	13.21	8.36	57.10	3	3765	6	3X68	3X0.30	3000	45.7	34
7	15.84	16.32	8.92	60.91	4	5230	7	4X68	4X0.30	3200	60.9	35

标准工况为：
进风温度tA1=10°C 蒸发温度te=0°C 标准温差TD1=10K 风机参数：350mm直径，1000RPM，220V/1P/50Hz Lp4m：距离产品4m测试结果

Standard condition:
Air inlet temperature=10°C Evaporating temperature=0°C Standard temperature difference=10K
Fan data:350mm Diameter,1000RPM,220V/1P/50Hz. LP4m:Average sound pressure level in dB(A) measured at 4m, at fan height.

技术参数

Technical Data

(片距6.35mm)

型号 Model	制冷量 Capacity (TD=8K)		内容积 Internal Volume	换热 面积 Surface (m ²)	风机参数 Fan data					电加热丝 (可选) Heaters(option) (220V/1P/50Hz)	净重 Net weight	声压级 Sound pressure level
	R22	R404A			(220伏/ 1相/ 50Hz)			(220V/1P/ 50Hz)		总功率 Total power		Lp 4m
					风扇数量 No.of fans 350mm直径	风量 Air Flow	射程 Air throw	总功率 Total power	总电流 Total current			
TA.L 6P	kW	kW	dm ³	m ²	No.	m ³ /h	m	W	A max	W	kg	dB(A)
1	2.36	2.38	2.79	11.33	1	1330	7	1X68	1X0.30	800	23.3	29
2	3.76	3.86	3.35	13.60	2	2875	7	2X68	2X0.30	800	25.9	32
3	4.44	4.48	4.46	18.13	2	2760	7	2X68	2X0.30	1200	29	32
4	4.82	4.89	5.58	22.66	2	2660	7	2X68	2X0.30	1600	34	32
5	5.46	5.51	5.02	20.40	3	4315	7	3X68	3X0.30	1800	38.5	34
6	7.60	7.70	8.36	33.99	3	3990	7	3X68	3X0.30	3000	47.4	34
7	9.78	9.82	11.15	45.32	4	5315	7	4X68	4X0.30	3200	57.5	35

标准工况为：
进风温度tA1=0°C 蒸发温度te=-8°C 标准温差TD1=8K 风机参数：350mm直径，1000RPM，220V/1P/50Hz Lp4m：距离产品4m测试结果

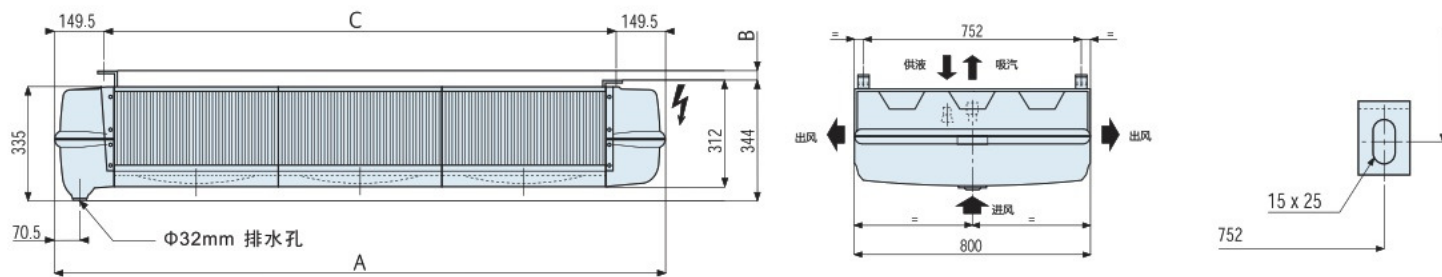
Standard condition:
Air inlet temperature=0°C Evaporating temperature=-8°C Standard temperature difference=8K
Fan data:350mm Diameter,1000RPM,220V/1P/50Hz. LP4m:Average sound pressure level in dB(A) measured at 4m, at fan height.

TA系列-商用双出风型冷风机 TA - Commercial Dual Blow Unit Cooler

尺寸参数 Dimensions

标注 Label	TA	1	2	3	4	5	6	7
A	mm	866	1366	1366	1366	1866	1866	2366
B	mm	17.5	17.5	17.5	17.5	35	35	35
C	mm	560	1060	1060	1060	1560	1560	2060
供液管 Inlet	mm	15.88	15.88	15.88	15.88	15.88	15.88	15.88
吸气管 Outlet	mm	15.88	15.88	22.22	22.22	22.22	28.58	28.58

尺寸图 Dimensions



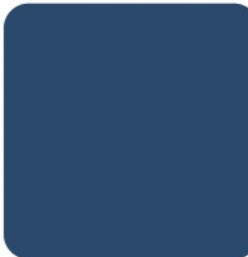
供液管尺寸说明：供液管，吸气管仅为产品进出口尺寸，实际连接管径尺寸根据具体应用计算确定。
Note: Liquid/vapor line dimension is for inlet/outlet line of product, please calculate connection line dimension according to your applicator.

工业型双出风冷风机

GTA系列



22.5  67.3kW



BEIJER REF

Industrial Dual Blow Unit Cooler
GTA Series



优势 Advantages



安装

Installation

- GTA 系列设计了简单可移动的操作门 ①，直接方便的对电器控制部分和制冷管路部分进行操作。
- GTA are equipped with easily removable doors ①, thus providing easy access to electrical and coolant connections.

维修/维护

Servicing/Maintenance

- 在 GTA 风机维护过程中，由于排水盘采用铰链连接，清理时无 ② 需拆除，使风机的维护更为便捷。
- For all work on the GTA, access to the drain pans does not require removal of the recovery vessel ② rendering maintenance work easier.
- 风扇单元用铰链固定在机组上 ③，使维修工作更方便。
- The fan units are mounted on an articulated panel ③ rendering maintenance work easier.



描述

Description

- GTA 系列外壳采用白色喷粉的镀锌钢板。
- GTA casing is made of white pre-painted galvanized steel.
- GTA 系列采用铰链式双排水盘，冷凝水可通过双排水管排出。
- On the GTA each removable drain pan fixed by hinge. The condensate water is evacuated via 2 large dimension drain pipes.
- 可拆卸式端盖，利于维护和安装。
- GTA series are foreseen with removable end covers for easy maintenance and installation.
- GTA 系列选用Φ630mm，380V/3P/50Hz 风机满足送风要求，风机数量 2-4 个可选。
- The GTA unit cooler is equipped with fans Φ630 mm, 380V/3P/50 Hz, Qty. 2-4.
- GTA 系列标配直接膨胀式盘管，乙二醇盘管可非标定制。
- The GTA series are equipped with two new coil configurations optimized for direct expansion and option glycol water applications.
- 总共有 9 个型号，翅片间距 4.23mm。
- Totally GTA series have 9 models are composed of aluminum fins with a spacing of 4.23mm.

市场范围 Market Segments



- 大型商超 Supermarket

命名规则 Nomenclature

GTA系列工业型冷风机
GTA SERIES INDUSTRY UNIT COOLER

B₍₁₎ **GTA**₍₂₎ **36**₍₃₎ **R**₍₄₎ **6**₍₅₎ **-H**₍₆₎ **Z**₍₇₎ **S**₍₈₎

(1) 品牌	(1) Beijer Ref
(2) GTA系列	(2) GTA Series
(3) 模块	(3) Module
(4) 翅片间距 4.23mm	(4) Fin spacing 4.23mm
(5) 6极电机	(5) 6P Motor
(6) H: 电加热化霜 (盘管+接水盘)	(6) H: Electric defrost(coil+drain pan)
M: 不锈钢外壳	M: Stainless Steel
D: 隔热双接水盘	D: Insulated double drain pan
(7) 空白: 50Hz	(7) Blank : 50Hz
Z: 60Hz	Z: 60Hz
(8) 空白: 国内型号	(8) Blank : Domestic products
S: 出口型号	S: Export products

选项 Options

● 标配 Standard ○ 选配 Optional × 不提供 N/A

选项 Options	BOHN GTA
电机 Motor	
Interlink 电机 Interlink motor	×
EBM电机 (AC) EBM motor(AC)	●
施乐佰电机 ZIEHL-ABEGG motor	×
翅片 Fin	
翅片涂层 (清水铝箔) Fin coating (blue fin)	○
翅片涂层 (黑色电泳) Fin coating(black electrophoresis)	○
外壳 Casing	
镀锌钢板 Galvanized steel plain sheet	●
不锈钢 Stainless steel	○
接水盘 Drain pan	
隔热双接水盘 Insulated double drain pan	○
除霜方式 Defrost	
电加热化霜 (盘管+接水盘) Electrical defrost(coil+drain pan)	○
热气化霜 (盘管热气化霜+接水盘电化霜) Hot gas defrost(coil using hot gas defrost + drain pan using Electrical defrost)	○
水化霜 Water defrost	×
翅片片距 Fin spacing	
6FPI (4.23mm)	●
其他 Others	
风机接线 Fan wiring	○

注：盘管电加热和翅片黑色电泳不可同时选配
如需其他未列出的配置，请咨询百尔当地代表处
Note:The coil electrical heating and black electrophoresis fin coating can not be used together.
If need other unlisted configurations, please consult Beijer Ref local representative office.

技术参数 (不锈钢外壳)

Technical Data(Stainless Steel)

(片距 4.5mm)

型号 Model	换热 面积 Surface	内容积 Internal Volume	风机参数 Fan data					射程 Air throw	风量 Air Flow	制冷量 SC2 工况 Capacity@SC2	电加热丝 (可选) Heaters (option) (380V/3P/50Hz)
			风扇直径 Fan diam	风扇数量 No.of fans	风机电机 接线方式 (380V/3P/50Hz) Fan-motor Connection (380V/3P/50Hz)	总功率 Total power	总电流 Total current				
BGTA...R6	m ²	dm ³	mm	-	D=三角形连接 Y=星形连接 D=Delta Connection Y=Star Connection	W	A	m	m ³ /h	R404A kW	Power.W
BGTA 26-R 6-M	212	494	630	2	D	3200	6.4	2X8.5	17000	36	10800
BGTA 28R 6-M	282	65.9	630	2	D	3200	6.4	2X8	16100	41.5	10800
BGTA 36R 6-M	318	74.1	630	3	D	4800	9.6	2X8.5	26590	54	16200
BGTA 46R 6-M	384	98.8	630	4	D	6400	12.8	2X8.5	34000	65.5	39000
BGTA 48R 6-M	512	129.1	630	4	D	6400	12.8	2X8	32000	75	39000

标准工况SC2: Standard condition SC2:
进风温度=0℃, 蒸发温度=-8℃, 温差=8K Air inlet temperature=0℃ Evaporating temperature=-8℃ Standard temperature difference=8K

技术参数 (标准外壳)

Technical Data(Standard casing)

(片距 4.23mm)

型号 Model	换热 面积 Surface	内容积 Internal Volume	盘管 排数 No. of Rows	风机参数 Fan data					射程 Air throw	风量 Air Flow	制冷量 SC2 工况 Capacity@SC2		电加热丝 (可选) Heaters (option) (380V/3P/50Hz)
				风扇直径 Fan diam	风扇数量 No.of fans	风机电机 接线方式 (380V/3P/50Hz) Fan-motor Connection (380V/3P/50Hz)	总功率 Total power	总电流 Total current					
BGTA...R6	m²	dm³	-	mm	-	D=三角形连接 Y=星形连接 D=Delta Connection Y=Star Connection	W	A	m	m³/h	R404A kW	R22	Power.W
BGTA24R6	130	25.2	4	630	2	D	1200	2.40	2X12	17770	27.1	26.1	13500
						Y	800	1.36	2X10	13770	23.5	22.5	
BGTA26R6	195	37.8	6	630	2	D	1200	2.40	2X11	16780	30.9	29.6	13500
						Y	800	1.36	2X9	12750	26.2	25.1	
BGTA28R6	260	50.4	8	630	2	D	1200	2.40	2X10	15920	34.7	33.3	13500
						Y	800	1.36	2X8	11930	28.8	27.6	
BGTA34R6	195	37.8	4	630	3	D	1800	3.60	2X12	26650	40.1	38.5	20700
						Y	1200	2.04	2X10	20540	34.8	33.4	
BGTA36R6	292	56.7	6	630	3	D	1800	3.60	2X11	25180	49.7	47.7	20700
						Y	1200	2.04	2X9	19130	41.5	39.9	
BGTA38R6	390	75.7	8	630	3	D	1800	3.60	2X10	23880	52.3	50.2	20700
						Y	1200	2.04	2X8	17900	43.1	41.4	
BGTA44R6	260	50.4	4	630	4	D	2400	4.80	2X12	35540	54.7	52.5	27000
						Y	1600	2.72	2X10	27390	47.1	45.2	
BGTA46R6	390	75.7	6	630	4	D	2400	4.80	2X11	33570	62.1	59.6	27000
						Y	1600	2.72	2X9	25510	52.8	50.7	
BGTA48R6	520	100.9	8	630	4	D	2400	4.80	2X10	31840	70.2	67.3	27000
						Y	1600	2.72	2X8	23860	57.8	55.5	

标准工况SC2:
进风温度=0°C, 蒸发温度=-8°C, 温差=8K
风机参数: Φ630mm风扇直径, 三角形连接890r/min, 星形连接690r/min
Standard condition SC2:
Air inlet temperature=0°C Evaporating temperature=-8°C Standard temperature difference=8K
Fan data: Φ630mm Delta connection 890r/min Star connection 690r/min

修正系数

Correction Factors

型号 Model	室温 Room Temp.°C				
室温修正系数 Room Temp. Correction Factors	0	2	4	6	15
	1.00	1.07	1.14	1.20	1.20

GTA系列-工业型冷风机 GTA Series - Industry Unit Cooler

尺寸参数 Dimensions

型号 Model		BGTA...R6	BGTA 24R 6	BGTA 26R 6	BGTA 28R 6	BGTA 34R 6	BGTA 36R 6	BGTA 38R 6	BGTA 44R 6	BGTA 46R 6	BGTA 48R 6
进出口 接管尺寸 Connections	供液管 Inlet	OD, Inch	1" 1/8	1" 1/8	1" 3/8	1" 3/8	1" 5/8	1" 5/8	1" 5/8	1" 5/8	1" 5/8
	吸气管 Outlet	OD, Inch	1" 3/8	1" 5/8	1" 5/8	2" 1/8	2" 1/8	2" 1/8	2" 1/8	2" 1/8	2" 5/8
净重 Net weight		kg	260	292	316	349	395	433	457	506	549

供液管尺寸说明：供液管，吸气管仅为产品进出口尺寸，实际连接管径尺寸根据具体应用计算确定。
Note:Liquid/vapor line dimension is for inlet/outlet line of product,please calculate connection line dimension according to your applicator.

尺寸图 Dimensions

