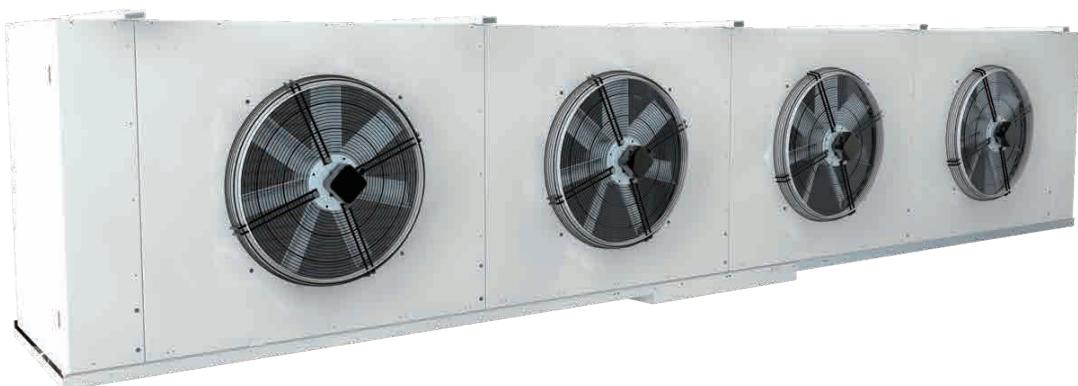


工业型冷风机

NKH系列



26.5 ■■■■■ 127.2 kW

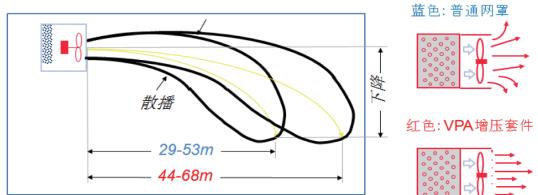
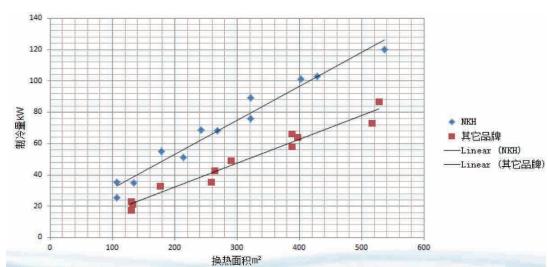


BEIJER REF

Industrial Unit Cooler
NKH Series



优势 Advantages



安装 Installation

- 电气和制冷剂管路安装便捷。
- Electrical and refrigerant connections easily accessible for simple installation.

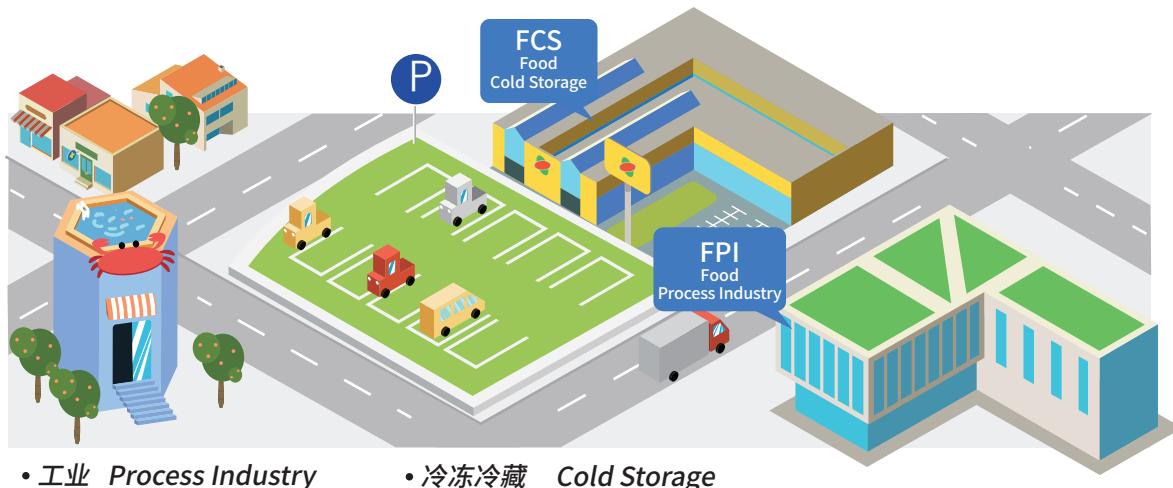
维修/保养 Servicing/Maintenance

- 镀锌钢板侧板和排水盘采用铰链连接。易维护和清洁。
- 外部安装的风扇维护方便。
- The galvanized steel side panels and drain pan are hinge-mounted. Easy accessibility, maintenance and cleaning.
- External installation of fans offering easy access possible interventions.

描述 Description

- 外壳采用镀锌钢板，耐腐蚀、抗冲击。内部的铝质排水盘减少主排水盘在除霜过程中结露的影响。
- The casing is made of pre-painted, galvanized steel offering a high resistance to corrosion and impact damage. An internal aluminum drain pan limits the effects of condensation under the main drain pan during the defrost process.
- NKH 系列冷风机采用木包装箱，运输至安装现场。
- The NKH unit coolers are delivered in mounting position in reinforced crates.
- 外转子风机配备符合安全标准的风扇罩。
- The external rotor fans are equipped with fan guards compliant with safety standards.
- NKH 系列有两个风扇类型：
- 2 fan types are used for the NKH range
 - @ 630mm 4 pole 1500 rpm
 - @ 800mm 6 pole 1000 rpm
- 电机是三相型，380V, 50Hz, 防护等级 IP54, F 级。
- The motors are of the three-phase type, 380v.50Hz,Ip54,class F.
- 根据冷库的尺寸，选择合适的翅片间距、尺寸、射程的冷风机。
- Selection of a unit cooler with various fan number/diameter combinations offering the dimensional and air throw characteristics best adapted to the size of the cold room.
- NKH 系列的翅片盘管是由间隙 4mm, 6mm, 9mm 的铝翅片压接在铜管上而成的。
- The finned coils of the NKH range are designed with aluminium fins spaced at 4,6,9,crimped onto copper tubes.
- 经济型解决方案高效率 H 型翅片：
这种类型的翅片特别合适包装产品的存放，换热器尺寸更小，除霜更快。
分液器对 R22/R404A 作了优化，如果需要其他的制冷剂产品，请联系我们，在预定时注明即可。
- High-efficiency H type fine for an economical solution:
This type of fin is particularly suitable for the storage of packed products.
The reduced size of the heat-exchanger also enables fast defrosting.
The coils are supplied via optimized R22/R404A diaphragm distributor(s).
- For all other refrigerants, please contact us and specify when ordering.

市场范围 Market Segments



命名规则 Nomenclature

NKH 系列工业型冷风机
NKH SERIES INDUSTRIAL UNIT COOLER

NKH₍₁₎3₍₂₎X6₍₃₎D₍₄₎B2₍₅₎R₍₆₎Y₍₇₎-HGT₍₈₎

(1) 翅片类型	(1) Fin type
H: 高效翅片	H:High-efficiency fin
(2) 风机数量1~4	(2)No.of fans 1~4
(3) 风机直径Φ	(3)Fan Dia φ
6: 630mm 8:800mm	6:630mm 8:800mm
(4) 电机接线类型	(4)Motor connection
D: 三角形链接	D:Delta
(5) 模块	(5)Module
(6) 翅片间距	(6)Fin spacing
R: 4mm L/C: 6mm S: 9mm	R:4mm L/C:6mm S:9mm
(7) 空白: R22	(7)Blank:R22
Y: R404A/R507	Y:R404A/R507
(8) 可选项	(8)Options
SSC不锈钢外壳	Stainless Steel
HGT: 热气化霜 (盘管和接水盘)	HGT:Hot Gas Defrost (Coil and drain pan)
DAE水化霜 (仅R和L)	DAE Water defrost (Only for R and L)
RVU 面板加热 (必须和电加热化霜一起使用)	RVU Sheel defrost heaters(Only using with coil electrical)
M60 60Hz风机	M60 Electrical fans 230-400V/3/60Hz
VAP 空气增压套件	VAP Air pressure shell
EGU 乙二醇溶液	EGU Glycol water extension
BAE 盘管涂层	BAE Paint coil protection
CMU 风机全接线	CMU Motors factory wired
ELU 电加热化霜 (盘管和接水盘*)	ELU Coil electiral defrost (Coil and Drain tray)*
*仅R,L系列, C,S系列标配电加热化霜	*Only R,L series;C,S standard Coil electrical defrost

注：低温冷风机标配电除霜

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

融霜 Defrost

• NKH...C,NKH...S

电加热元件插在翅片盘管的套管内，接水盘内部放置1到3个电加热器。加热装置热量均匀从而快速有效的除霜。加热器与电源接线盒上的380V/3P的接线端子连接。热气化霜（盘管和接水盘）可供选择。

• NKH...C,NKH...S

The shielded electric heating elements are inserted in sleeves located in the finned coil, 2 or 3 heating elements are placed under the intermediate drain pan. This facility enables homogenous heat distribution for fast and efficient defrosting. The heaters are factory connected to a 380V/3 power supply on a terminal block in a junction box. Total gas defrost (HTG) available as optional extra.

• NKH...R,NKH...L

“低温”电除霜可供选择
水除霜可用的房间温度等于或大于+4°C，在这种情况下，冷风机深度增加了40mm。
最大水流量
1 fan=5 m3/h.-2 fans=10 m3/h.
3 fans=15 m3/h.-4 fans=20 m3/h.
• NKH...R, NKH...L
"Low temperatuer"electric defrost (ELU) models available as optional extra. A water defrost (DAE) option is available for room temperature equal to or greater than +4°C. In this case the unit cooler depth is increased by 40 mm. Maximum water flow-rate with NK:
1 fan=5 m3/h.-2 fans=10 m3/h.
3 fans=15 m3/h.-4 fans=20 m3/h.



选项 Options

● 标配 Standard ○ 选配 Optional × 不提供 N/A

选项 Options	BOHN	BOHN
NKH...R,...L-中温冷风机 NKH...R,...L-Medium Temp	NKH...C,...S-低温冷风机 NKH...C,...S-Low Temp	
电机 Motor		
Interlink电机 Interlink motor	×	×
EBM电机 (EC) EBM motor(EC)	×	×
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 Pretinned steel	●	●
不锈钢 Stainless steel	○	○
除霜方式 Defrost		
电加热丝除霜 Electrical defrost	○	●
热气化霜 (盘管+接水盘) Hot gas defrost(coil&tray)	○	○
水化霜 Water defrost	○	×
面板加热 shell defrost heaters	○	○
翅片片距 Fin spacing		
4mm (...R)	●	×
6mm (...L)	●	×
6mm (...C)	×	●
9mm (...S)	×	●
其他 Others		
风机接线 Fan wiring	○	○
60Hz风机 Fan 60Hz	○	○
空气增压套件 Air pressure shell	○	○
乙二醇 Glycol	○	○

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.

预选 Pre-Selection

电机Y-△平均修正系数

Average correction factors for standard motors connection in Y instead of △

型号 Model	翅片距离4mm fin spacing 4mm			翅片距离6mm fin spacing 6mm			翅片距离9mm fin spacing 9mm		
	空气流量 Air flow	冷量 Capacity	射程 Air throw	空气流量 Air flow	冷量 Capacity	射程 Air throw	空气流量 Air flow	冷量 Capacity	射程 Air throw
NKH-B1	0.76	0.87	0.76	0.76	0.87	0.76	0.76	0.89	0.76
NKH-B2	0.76	0.86	0.76	0.76	0.85	0.76	0.76	0.87	0.76
NKH-B3	0.76	0.85	0.76	0.76	0.84	0.76	0.76	0.86	0.76
NKH-C1	0.73	0.85	0.73	0.74	0.84	0.74	0.74	0.86	0.74
NKH-C2	0.72	0.82	0.72	0.72	0.82	0.72	0.73	0.85	0.74

声功率水平 Lw

Sound power level Lw

Nb	1 fan		2 fan		3 fan		4 fan	
	D	Y	D	Y	D	Y	D	Y
Φ630mm								
dB (A)	90	82	93	85	95	87	96	88
Φ800mm								
dB (A)	84	77	87	80	89	82	90	83

修正系数 Correction Factors

R系列			
库温 °C	修正系数 Factors	最大温差 Max.KTD	最小温差 Min.KTD
-5	0.98	12	6
-2	0.99	12	6
0	1	12	6
2	1.07	12	6
4	1.14	12	6
6	1.17	12	6
8	1.17	12	6
10	1.17	12	6

L系列			
库温 °C	修正系数 Factors	最大温差 Max.KTD	最小温差 Min.KTD
-5	0.98	12	6
-2	0.99	12	6
0	1	12	6
2	1.07	12	6
4	1.14	12	6
6	1.17	12	6
8	1.17	12	6
10	1.17	12	6

C系列			
库温 °C	修正系数 Factors	最大温差 Max.KTD	最小温差 Min.KTD
-24	0.97	12	6
-22	0.98	12	6
-20	0.99	12	6
-18	1	12	6
-16	1.01	12	6
-14	1.02	12	6
-10	1.04	12	6
-5	1.06	12	6

S系列			
库温 °C	修正系数 Factors	最大温差 Max.KTD	最小温差 Min.KTD
-30	0.92	12	6
-26	0.92	12	6
-24	0.97	12	6
-22	0.98	12	6
-18	1	12	6
-14	1.02	12	6
-10	1.04	12	6
-5	1.06	12	6

使用限制提示:

Limitations:

当库温低于+2°C时，应使用电除霜或者热气除霜的化霜方式；

If room temperature below +2°C,Unit would launching Default Electrical heater defrost methods or Hot Gas Defrost methods.

当冷风机的运行温差超出正常范围时需要改变分液器，请咨询我公司当地代表处。

The operation of the air cooler needs to change distributor if the temperature beyond the normal range,please consult Beijer Ref local representative.

NKH系列-工业型冷风机 NKH Series-Industrial Unit Cooler

中温技术参数

Medium Temp Technical Data

(片距4mm)

型号 Model	制冷量 Capacity KW SC2工况*1		内容积 Internal Volume dm ³	盘管 排数 No.of rows	换热 面积 Surface (m ²)	风机参数*3 (380伏/3相/50Hz) Fan data(380V/3P/50Hz)					电加热丝*2 Heaters (380V/3P/50Hz)	重量 Net Weight (kg)
	R404A	R22				风扇 数量 No.of fans	风量 Air Flow (m ³ /h)	送风 距离*1 Air Throw(m)	总功率 Total Power (W)	总电流 Total Current (A)		
1x6 D B3 R	26.4	25.34	28.7	8	156.0	1	11650	29	1900	3.2	13800	200
1x8 D C2 R	36.9	35.42	35.9	6	195.0	1	17850	35	2000	4.0	13500	270
2x6 D B2 R	47.67	45.76	43.1	6	234.0	2	25200	33	3800	6.4	19800	300
3x6 D B1 R	59.47	57.09	43.1	4	234.0	3	40950	41	5700	9.6	19500	370
2x8 D C1 R	61.34	58.89	47.9	4	260.0	2	39000	39	4000	8.0	17400	420
2x8 D C2 R	72.64	69.73	71.8	6	390.0	2	35700	36	4000	8.0	26100	480
3x6 D B2 R	74.34	71.4	64.6	6	351.0	3	37800	38	5700	9.6	29250	430
4x6 D B1 R	79.71	76.52	55.7	4	312.0	4	54600	46	7600	12.8	25800	480
3x8 D C1 R	81.55	78.29	69.6	4	390.0	3	58500	45	6000	12.0	25800	570
4x6 D B2 R	95.24	91.43	83.5	6	468.0	4	50400	43	7600	12.8	38700	550
4x6 D B3 R	106.83	102.56	111.3	8	623.9	4	46600	40	7600	12.8	51600	630
3x8 D C2 R	107.46	103.16	104.3	6	584.9	3	53550	42	6000	12.0	38700	670
4x8 D C2 R	127.18	122.09	139.1	6	779.9	4	71400	47	8000	16.0	51300	840

中温技术参数

Medium Temp Technical Data

(片距6mm)

型号 Model	制冷量 Capacity KW SC2工况*1		内容积 Internal Volume dm ³	盘管 排数 No.of rows	换热 面积 Surface (m ²)	风机参数*3 (380伏/3相/50Hz) Fan data(380V/3P/50Hz)					电加热丝*2 Heaters (380V/3P/50Hz)	重量 Net Weight (kg)
	R404A	R22				风扇 数量 No.of fans	风量 Air Flow (m ³ /h)	送风 距离*1 Air Throw(m)	总功率 Total Power (W)	总电流 Total Current (A)		
1x6 D B3 L	25.41	24.39	28.7	8	107.4	1	12600	31	1900	3.2	13800	190
1x8 D C2 L	34.39	33.01	35.9	6	134.3	1	19200	38	2000	4.0	13500	260
2x6 D B1 L	35.26	33.85	28.7	4	107.2	2	28600	37	3800	6.4	13200	260
2x6 D B3 L	50.99	48.95	57.5	8	214.4	2	25200	33	3800	6.4	26400	330
2x8 D C1 L	54.64	52.45	47.9	4	179.0	2	41300	41	4000	8.0	17400	400
2x8 D C2 L	68.11	65.39	71.8	6	268.5	2	38400	38	4000	8.0	26100	460
3x6 D B2 L	68.38	65.64	64.6	6	241.2	3	40200	40	5700	9.6	29250	410
3x6 D B3 L	75.77	72.74	86.2	8	332.3	3	37800	38	5700	9.6	39000	460
4x6 D B2 L	88.61	85.07	83.5	6	322.2	4	53600	46	7600	12.8	38700	530
3x8 D C2 L	100.68	96.65	104.3	6	402.8	3	57600	45	6000	12.0	38700	650
4x6 D B3 L	102.39	98.29	111.3	8	428.9	4	50400	43	7600	12.8	51600	600
4x8 D C2 L	119.66	114.87	139.1	6	536.3	4	76800	50	8000	16.0	51300	800

*Φ630mm: 380V/3P/50HZ: △=1900W max-3, 20 Amax-Y=1200 W max-1, 95A max (5)

*Φ800mm:380V/3P/50HZ:△=2000W max-4,00 Amax-Y=1250 W max-2,30A max (5)

(1)残留的空气速度: 0.5米/秒, 符合标准。

(2)电除霜套件。

(3)当电机的星形连接代替三角形连接时需要参考修正系数。

*Φ630mm: 380V/3P/50HZ:△=1900W max-3,20 Amax-Y=1200 W max-1,95A max (5)

*Φ800mm:380V/3P/50HZ:△=2000W max-4,00 Amax-Y=1250 W max-2,30A max (5)

(1)Residual air speed :0.5m/s,in compliance with standard.

(2)Electric defrost kit.

(3)For motor connection in star (Y) instead of delta (D),refer to the correction factors.

*1标准SC2工况: -8°C蒸发温度, 库温0°C, 8KTD

*1 SC2 Condition:-8°C evaporating temperature,0°C room temperature,8KTD

R404A

R22

NKH..S

NKH..C

+ELU

NKH..R/L

-30°C

-5°C -25°C

-5°C

+2°C

+10°C

低温技术参数

Low Temp Technical Data

(片距6mm)

型号 Model	制冷量 Capacity KW SC2工况*1		内容积 Internal Volume dm ³	盘管 排数 No.of rows	换热 面积 Surface (m ²)	风机参数*3(380伏/3相/50Hz) Fan data(380V/3P/50Hz)					电加热丝*2 Heaters (380V/3P/50Hz)	重量 Net Weight (kg)
	R404A	R22				风扇 数量 No.of fans	风量 Air Flow (m ³ /h)	送风 距离*1 Air Throw(m)	总功率 Total Power (W)	总电流 Total Current (A)	总功率W Total Power (W)	
1x6 D B3 C	19.86	19.07	28.7	8	107.4	1	12600	31	1900	3.2	13800	210
1x8 D C2 C	26.02	24.98	35.9	6	134.3	1	19200	38	2000	4.0	13500	280
2x6 D B1 C	26.31	25.26	28.7	4	107.2	2	28600	37	3800	6.4	13200	290
2x6 D B2 C	34.50	33.12	41.3	6	161.1	2	26800	35	3800	6.4	19800	320
2x6 D B3 C	40.23	38.62	57.5	8	214.4	2	25200	33	3800	6.4	26400	360
2x8 D C1 C	41.67	40.00	47.9	4	179.0	2	41300	41	4000	8.0	17400	440
3x6 D B2 C	51.95	49.87	64.6	6	241.2	3	40200	40	5700	9.6	29250	460
3x6 D B3 C	60.50	58.08	86.2	8	322.3	3	37800	38	5700	9.6	39000	520
3x8 D C2 C	68.49	65.75	104.3	6	402.3	3	57600	45	6000	12.0	38700	700
4x6 D B3 C	70.22	67.41	111.3	8	428.9	4	50400	43	7600	12.8	51600	670

低温技术参数

Low Temp Technical Data

(片距9mm)

型号 Model	制冷量 Capacity KW				内容积 Internal Volume dm ³	盘管排数 No.of rows	换热面积 Surface (m ²)	风机参数*3 (380伏/3相/50Hz) Fan data(380V/3P/50Hz)					重量 Net Weight (kg)	
	SC3工况*1		SC4工况*2					风扇 数量 No.of fans	风量 Air Flow (m ³ /h)	送风 距离*1 Air Throw(m)	总功率 Total Power (W)	总电流 Total Current (A)		
	R404A	R22	R404A	R22										
1x6 D B3 S	17.84	17.13	14.10	13.54	28.7	8	74.9	1	13400	33	1900	3.2	13800	210
2x6 D B1 S	22.44	21.54	17.57	16.87	28.7	4	74.9	2	29600	38	3800	6.4	13200	280
1x8 D C2 S	22.92	22.00	18.02	17.30	35.9	6	93.6	1	20150	39	2000	4.0	13500	280
2x8 D C1 S	35.27	33.86	27.80	26.69	47.9	4	124.8	2	42800	43	4000	8.0	17400	430
2x6 D B3 S	36.08	34.64	28.56	27.42	57.5	8	149.8	2	26800	35	3800	6.4	26400	360
2x8 D C2 S	40.85	39.22	31.45	30.19	71.8	6	187.2	2	40300	40	4000	8.0	26100	480
3x6 D B2 S	45.47	43.65	35.82	34.39	64.6	6	168.5	3	42150	42	5700	9.6	29250	450
3x8 D C1 S	45.80	43.97	35.01	33.61	69.6	4	187.2	3	64200	50	6000	12.0	25800	590
3x6 D B3 S	54.36	52.19	43.07	41.35	86.2	8	224.7	3	40200	40	5700	9.6	39000	510
3x8 D C2 S	60.62	58.20	46.63	44.76	104.3	6	280.8	3	60450	47	6000	12.0	38700	670
4x6 D B3 S	63.76	61.21	49.19	47.22	111.3	8	299.5	4	53600	46	7600	12.8	51600	640
4x8 D C2 S	76.19	73.14	57.79	55.48	139.1	6	374.4	4	80600	53	8000	16.0	51300	860

*Φ630mm: 380V/3P/50HZ: △=1900W max-3, 20 Amax-Y=1200 W max-1, 95A max (5)

*Φ800mm:380V/3P/50HZ:△=2000W max-4,00 Amax-Y=1250 W max-2,30A max (5)

(1)残留的空气速度：0.5米/秒，符合标准。

(2)除霜套件。

(3)当电机的星形连接代替三角形连接时需要参考修正系数。

*Φ630mm: 380V/3P/50HZ: △=1900W max-3, 20 Amax-Y=1200 W max-1, 95A max (5)

*Φ800mm:380V/3P/50HZ:△=2000W max-4,00 Amax-Y=1250 W max-2,30A max (5)

(1)Residual air speed :0.5m/s,in compliance with standard.

(2)Electric defrost kit.

(3)For motor connection in star (Y) instead of delta (D),refer to the correction factors.

*1标准SC3工况：-25°C蒸发温度，库温-18°C，7KTD

*1 SC3 Condition:-25°C evaporating temperature,-18°C room temperature,7KTD

*2标准SC4工况：-31°C蒸发温度，库温-25°C，6KTD

*2 SC4 Condition:-31°C evaporating temperature,-25°C room temperature,6KTD

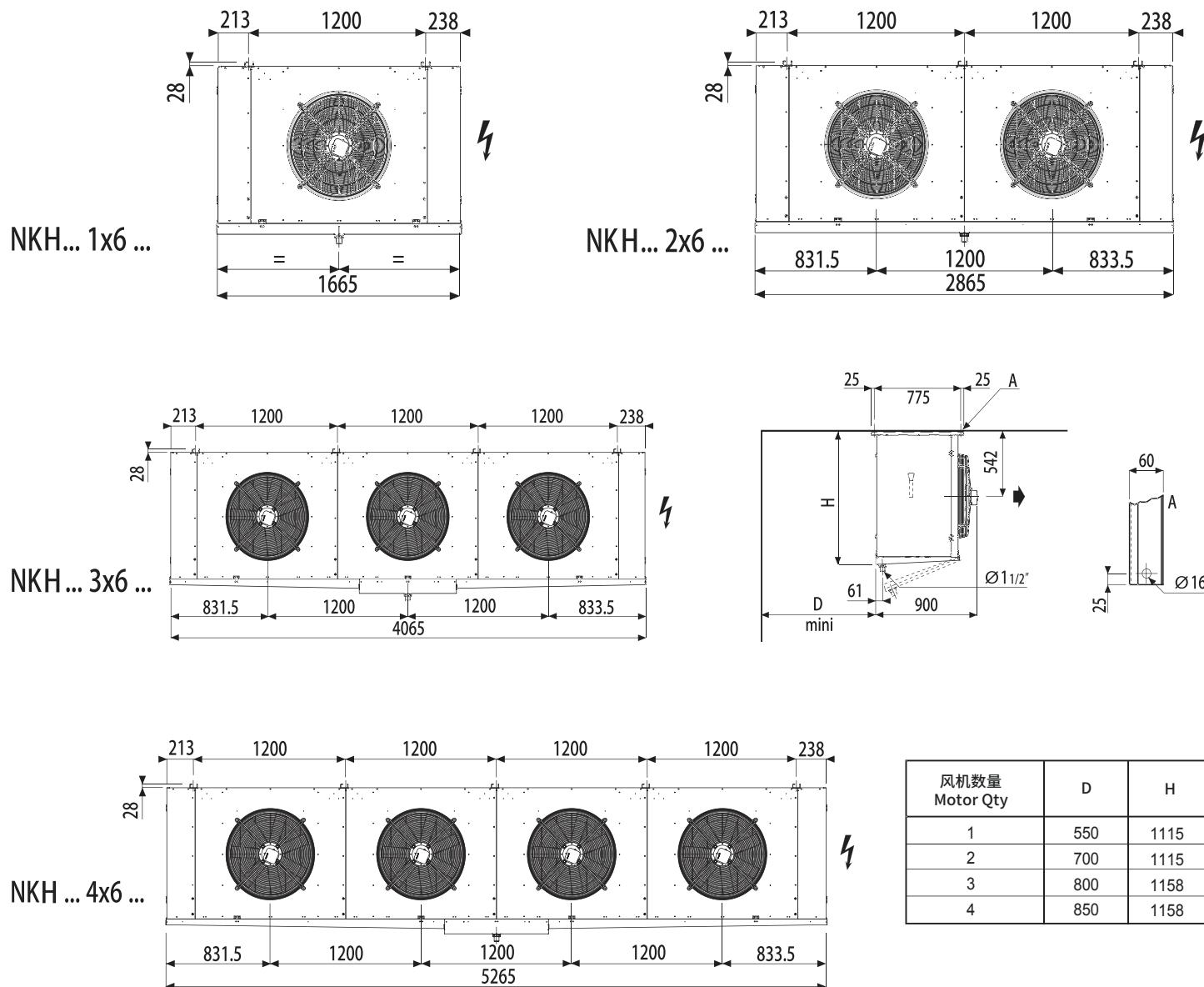
NKH系列-工业型冷风机 NKH Series-Industrial Unit Cooler

尺寸参数

Dimensions

Φ630mm

型号 NKH Model	进出口接管尺寸 Connections		排水管 Drain tube mm	型号 NKH Model	进出口接管尺寸 Connections		排水管 Drain tube mm	型号 NKH Model	进出口接管尺寸 Connections		排水管 Drain tube mm	型号 NKH Model	进出口接管尺寸 Connections		排水管 Drain tube mm
	供液管mm Inlet mm	吸汽管mm Outlet mm													
1×6D B3 R	28.6	41.3	47.6	1×6D B3 L	28.6	41.3	47.6	1×6D B3 C	28.6	54.0	47.6	1×6D B3 S	28.6	54.0	47.6
2×6D B2 R	34.9	54.0	47.6	2×6D B1 L	34.9	54.0	47.6	2×6D B1 C	34.9	54.0	47.6	2×6D B1 S	34.9	54.0	47.6
3×6D B1 R	41.3	2×54.0	47.6	2×6D B3 L	41.3	54.0	47.6	2×6D B2 C	41.3	66.7	47.6	2×6D B3 S	34.9	66.7	47.6
3×6D B2 R	2×34.9	2×54.0	47.6	3×6D B2 L	2×34.9	2×54.0	47.6	2×6D B3 C	41.3	66.7	47.6	3×6D B2 S	2×28.6	2×54.0	47.6
4×6D B1 R	2×41.3	2×54.0	47.6	3×6D B3 L	41.3	66.7	47.6	3×6D B2 C	2×34.9	2×54.0	47.6	3×6D B3 S	2×34.9	2×54.0	47.6
4×6D B2 R	2×34.9	2×54.0	47.6	4×6D B2 L	2×34.9	2×54.0	47.6	3×6D B3 C	2×41.3	2×54	47.6	4×6D B3 S	2×41.3	2×66.7	47.6
4×6D B3 R	2×41.3	2×54.0	47.6	4×6D B3 L	2×41.3	2×54.0	47.6	4×6D B3 C	2×41.3	2×66.7	47.6	—	—	—	—



供液管尺寸说明：供液管，吸汽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。

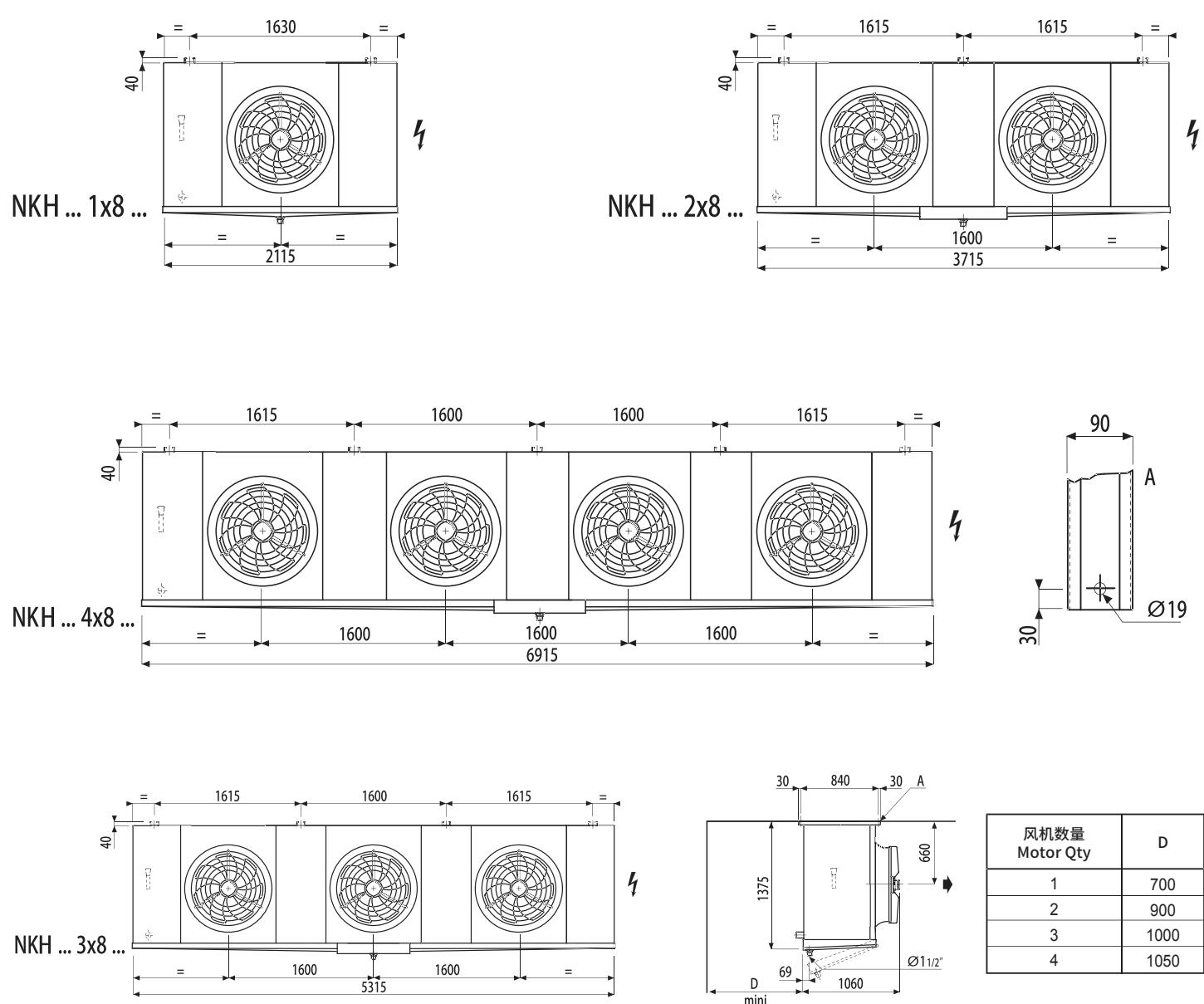
Note:Liquid/vapor line dimension is for inlet/outlet line of product,please calculate connection line dimension according to your applicator.

尺寸参数

Dimensions

Φ800mm

型号 NKH Model	进出口接管尺寸 Connections		排水管 Drain tube mm	型号 NKH Model	进出口接管尺寸 Connections		排水管 Drain tube mm	型号 NKH Model	进出口接管尺寸 Connections		排水管 Drain tube mm	型号 NKH Model	进出口接管尺寸 Connections		排水管 Drain tube mm
	供液管mm Inlet mm	吸汽管mm Outlet mm													
1×8D C2 R	34.9	54.0	47.6	1×8D C2 L	34.9	54.0	47.6	1×8D C2 C	34.9	54.0	47.6	1×8D C2 S	34.9	54.0	47.6
2×8D C1 R	41.3	66.7	47.6	2×8D C1 L	41.3	54.0	47.6	2×8D C1 C	41.3	66.7	47.6	2×8D C1 S	41.3	66.7	47.6
2×8D C2 R	41.3	66.7	47.6	2×8D C2 L	41.3	66.7	47.6	3×8D C2 C	2×41.3	2×66.7	47.6	2×8D C2 S	41.3	66.7	47.6
3×8D C1 R	41.3	66.7	47.6	3×8D C2 L	2×41.3	2×54.0	47.6	—	—	—	—	3×8D C1 S	41.3	66.7	47.6
3×8D C2 R	2×41.3	2×54.0	47.6	4×8D C2 L	2×41.3	2×54.0	47.6	—	—	—	—	3×8D C2 S	2×41.3	2×54	47.6
4×8D C2 R	2×41.3	2×66.7	47.6	—	—	—	—	—	—	—	—	4×8D C2 S	2×41.3	2×66.7	47.6



供液管尺寸说明：供液管，吸汽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.

NKH系列-工业型冷风机 NKH Series-Industrial Unit Cooler

中温技术参数(不锈钢外壳)

Medium Temp Technical Data(Stainless Steel)

(片距4.5mm)

型号 Model	制冷量 Capacity KW SC2工况*1	内容积 Internal Volume dm ³	盘管 排数 No.of rows	换热 面积 Surface (m ²)	风机参数*3 (380伏/3相/50Hz) Fan data(380V/3P/50Hz)					电加热丝*2 Heaters (380V/3P/50Hz)	重量 Net Weight (kg)
					风扇 数量 No.of fans	风量 Air Flow (m ³ /h)	送风 距离*1 Air Throw(m)	总功率 Total Power (W)	总电流 Total Current (A)	总功率W Total Power (W)	
1x6 D B2 RY-CCS	17.1	20	6	72.0	1	12000	30	1600	3.2	9000	123
1x6 D B3 RY-CCS	19.5	27	8	104.0	1	11200	29	1600	3.2	9000	145
2x6 D B2 RY-CCS	31.6	39	6	156.0	2	24600	32	3200	6.4	10800	243
2x6 D B3 RY-CCS	38.3	53	8	208.0	2	22500	31	3200	6.4	10800	288
3x6 D B2 RY-CCS	47.9	59	6	234.0	3	36900	34	4800	9.6	16200	330
3x6 D B3 RY-CCS	58.6	79	8	312.0	3	33750	33	4800	9.6	16200	400
4x6 D B2 RY-CCS	63.8	71	6	280.0	4	49000	34	6400	12.8	29250	430
4x6 D B3 RY-CCS	70.7	95	8	374.0	4	43000	33	6400	12.8	29250	480
3x8 D C1 RY-CCS	73.5	95	6	373.0	3	59100	60	6000	12.0	39000	550
3x8 D C2 RY-CCS	90.1	95	8	499.0	3	56900	58	6000	12.0	39000	620

中温技术参数(不锈钢外壳)

Medium Temp Technical Data(Stainless Steel)

(片距7mm)

型号 Model	制冷量 Capacity KW SC2工况*1	内容积 Internal Volume dm ³	盘管 排数 No.of rows	换热 面积 Surface (m ²)	风机参数*3 (380伏/3相/50Hz) Fan data(380V/3P/50Hz)					电加热丝*2 Heaters (380V/3P/50Hz)	重量 Net Weight (kg)
					风扇 数量 No.of fans	风量 Air Flow (m ³ /h)	送风 距离*1 Air Throw(m)	总功率 Total Power (W)	总电流 Total Current (A)	总功率W Total Power (W)	
1x6 D B2 CY-CCS	14.5	20	6	52.0	1	13000	31	1600	3.2	9000	123
1x6 D B3 CY-CCS	16.8	27	8	70.0	1	12000	30	1600	3.2	9000	145
2x6 D B2 CY-CCS	25.9	39	6	104.0	2	26100	34	3200	6.4	10800	243
2x6 D B3 CY-CCS	30	53	8	139.0	2	24000	32	3200	6.4	10800	288
3x6 D B2 CY-CCS	37.2	59	6	156.0	3	39150	36	4800	9.6	16200	325
3x6 D B3 CY-CCS	45.8	79	8	209.0	3	36000	34	4800	9.6	16200	393
4x6 D B2 CY-CCS	47.8	71	6	188.0	4	51000	36	6400	12.8	29250	410
4x6 D B3 CY-CCS	55.6	95	8	250.0	4	44700	34	6400	12.8	29250	477
3x8 D C1 CY-CCS	60.7	95	6	95.0	3	62000	62	6000	12.0	39000	545
3x8 D C2 CY-CCS	70.3	126	8	126.0	3	60400	60	6000	12.0	39000	610

*1标准SC2工况: -8°C蒸发温度, 库温0°C, 8KTD

*1 SC2 Condition: -8°C evaporating temperature, 0°C room temperature, 8KTD

低温技术参数(不锈钢外壳)

Medium Temp Technical Data(Stainless Steel)

(片距9mm)

型号 Model	制冷量 Capacity KW SC3 Condition*1	制冷量 Capacity KW SC4 Condition*2	内容积 Internal Volume dm ³	盘管 排数 No.of rows	换热 面积 Surface (m ²)	风机参数*3 (380伏/3相/50Hz) Fan data(380V/3P/50Hz)					电加热丝*2 Heaters (380V/3P/50Hz)	重量 Net Weight (kg)	
						风扇 数量 No.of fans	风量 Air Flow (m ³ /h)	送风 距离*1 Air Throw(m)	总功率 Total Power (W)	总电流 Total Current (A)			
	R404A	R404A											
2x6 D B2 SY-CCS	16.50	13.60	39	6	96	2	27600	38	3200	6.4	16200	250	
2x6 D B3 SY-CCS	22.00	18.20	53	8	128	2	26800	37	3200	6.4	16200	326	
3x6 D B2 SY-CCS	24.70	20.40	59	6	144	3	41400	40	4800	9.6	24300	358	
3x6 D B3 SY-CCS	32.60	30.60	79	8	192	3	40200	39	4800	9.6	24300	415	
4x6 D B2 SY-CCS	32.90	32.00	71	6	172	4	55000	40	6400	12.8	29250	505	
4x6 D B3 SY-CCS	42.70	35.20	95	8	230	4	53000	39	6400	12.8	29250	522	
3x8 D C1 SY-CCS	43.50	36.00	95	6	230	3	63800	60	6000	12.0	39000	656	
3x8 D C2 SY-CCS	55.30	45.80	127	8	306	3	61600	58	6000	12.0	39000	678	

*1标准SC2工况: -8°C 蒸发温度, 库温0°C, 8KTD

*1 SC2 Condition: -8°C evaporating temperature, 0°C room temperature, 8KTD

尺寸参数

Dimensions

型号 NKH Model	进出口接管尺寸 Connections		排水管 Drain tube mm	型号 NKH Model	进出口接管尺寸 Connections		排水管 Drain tube mm	型号 NKH Model	进出口接管尺寸 Connections		排水管 Drain tube mm
	供液管mm Inlet mm	吸汽管mm Outlet mm			供液管mm Inlet mm	吸汽管mm Outlet mm			供液管mm Inlet mm	吸汽管mm Outlet mm	
1x6 DB2 RY-CCS	5/8"	1 1/8"	G2'	1x6 DB2 CY-CCS	5/8"	1 1/8"	G2'	2x6 DB2 SY-CCS	7/8"	1 5/8"	G2'
1x6 DB3 RY-CCS	7/8"	1 5/8"	G2'	1x6 DB3 CY-CCS	7/8"	1 5/8"	G2'	2x6 DB3 SY-CCS	1 1/8"	2 1/8"	G2'
2x6 DB2 RY-CCS	7/8"	1 5/8"	G2'	2x6 DB2 CY-CCS	7/8"	1 5/8"	G2'	3x6 DB2 SY-CCS	7/8"	1 5/8"	G2'
2x6 DB3 RY-CCS	1 1/8"	2 1/8"	G2'	2x6 DB3 CY-CCS	1 1/8"	2 1/8"	G2'	3x6 DB3 SY-CCS	7/8"	1 5/8"	G2'
3x6 DB2 RY-CCS	1 1/8"	2 1/8"	G2'	3x6 DB2 CY-CCS	1 3/8"	2 1/8"	G2'	4x6 DB2 SY-CCS	1 1/8"	2 1/8"	G2'
3x6 DB3 RY-CCS	1 1/8"	2 1/8"	G2'	3x6 DB3 CY-CCS	1 3/8"	2 1/8"	G2'	4x6 DB3 SY-CCS	1 1/8"	2 1/8"	G2'
4x6 DB2 RY-CCS	1 3/8"	2 1/8"	G2'	4x6 DB2 CY-CCS	1 3/8"	2 1/8"	G2'	3x8 DC1 SY-CCS	1 1/8"	2 1/8"	G2'
4x6 DB3 RY-CCS	1 3/8"	2 1/8"	G2'	4x6 DB3 CY-CCS	1 3/8"	2 1/8"	G2'	3x8 DC2 SY-CCS	1 3/8"	2 5/8"	G2'
3x8 DC1 RY-CCS	1 1/8"	2 1/8"	G2'	3x8 DC1 CY-CCS	1 1/8"	2 1/8"	G2'	—	—	—	—
3x8 DC2 RY-CCS	1 3/8"	2 5/8"	G2'	3x8 DC2 CY-CCS	1 3/8"	2 5/8"	G2'	—	—	—	—

