

DONGXIA



工业暖风机 SPOT HEATER

冬号
WINTER CATALOG

www.winter-summer.cn



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无锡冬夏机电有限公司
Wuxi Dongxia Machinery Co.,Ltd

公司介绍

Company Information



关于冬夏 About Dongxia

冬夏的前身为成立于上世纪九十年代的太湖冷暖设备有限责任公司,生产“冬夏”牌空调,后与日本中臣产业株式会社(Nakatomi)合资成立了无锡冬夏机电有限公司。20年来冬夏一直专注于从事空气调节、处理行业,为夏季员工、产品、精密设备、户外作业等工业环境下的降温提供着帮助。如今冬夏的主要产品为:移动式工业冷气机、工业除湿机、移动式电加热器、燃油暖风机等,运营着“DOGNXIA”、“冬夏”、“Nakatomi”等多个品牌。

Our company was developed from Taihu Cooling and Heating Equipments Co.,Ltd., which was founded in 1990' s and produced the air conditioner "DONGXIA". Then the joint venture Wuxi Dongxia Machinery Co., Ltd. was established together with NAKATOMI Co., Ltd. Japan. Wuxi Dongxia Machinery Co.,Ltd. had focused on air conditioning more than 20years since then. It was greatly helped to improve the working condition of workers, products, precision equipments, outdoor works in summer season. The main products of our company are mobile industrial cooler, dehumidifier, mobile electric heater, spots heater etc, with brand "DONGXIA", "冬夏", "NAKATOMI".

技术力量/Technique

冬夏在中国的生产运营总部位于长三角重点城市——江苏无锡,拥有 30000 m²的现代化厂房仓库和全自动流水线及检测设备,以及庞大的技术研发队伍,具备年产 50 万台空气调节设备的能力。现已获得国家专利十几项,并通过了美国 ETL,日本 PSE, 欧盟 CE、中国 CCC 等一系列认证。

The head office of our company was located in Wuxi, Jiangsu, China and possess 30000M² workshop, warehouse and had automatic production line, full set of inspection instruments and R&D team. The capacity of our company was 500000set/year and possess dozens of patents. Our company also had gotten the certificate of ETL for USA, PSE for Japan, CE for EU and CCC for China.

业务拓展/Business

冬夏的产品 80% 返销日本,其余销往美国、澳大利亚、新西兰、泰国、越南、俄罗斯、香港、台湾等几十个国家和地区。凭借着专业优良的产品性能和可靠的质量保证,冬夏与诸多世界 500 强企业进行了有效的合作,并被列为指定采购品牌。20 年来,冬夏的产品已累计服务于全球 10 万家以上的企业,为改善他们的工作环境而不断努力。

The 80% of our products was sold to Japan market and remain products was sold to other countries and areas such as USA, Australia, New Zealand, Thailand, Vietnam, Russia, H.K. Taiwan etc. We had co-operated with many top 500 world enterprises depend on our reliable quality, good technical characteristics and designated as supplier. We had served more 100000 enterprises in past 20year and greatly improve their working condition.

产品理念/Product

二十年来,冬夏一直致力于“营造更加舒适的工作环境”,把“一丝不苟,精益求精”作为企业的管理理念,把“以人为本,实事求是”作为企业的管理理念,始终坚持着不断创新,不断进步,始终专注于品牌设计理念,始终着眼于用全球化的视野求索最贴近客户的需求。今后冬夏还将持续生产高品质的产品,并不断进行技术创新,优化完善服务体系,致力成为值得客户信赖的品牌。

We make the effort to "establish more comfortable working condition" and insist on the principle of quality being the first. We will still try to make innovation to meet the requirements of our global customers in future and provide high-quality products with high-efficiency service for our partners.

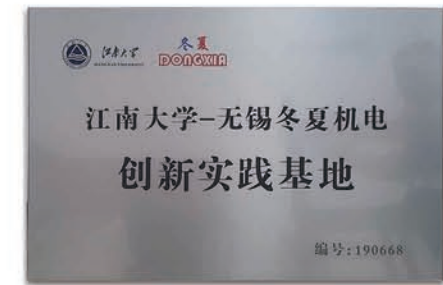
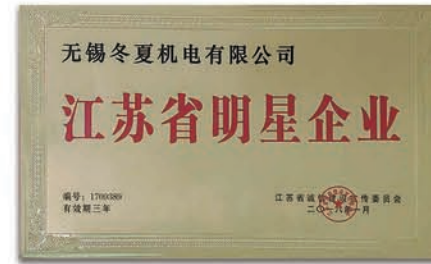
企业文化

- 企业准则: 求真务实,开拓进取,诚信友善,合作共赢
- 企业使命: 营造更加舒适的工作环境
- 企业愿景: 做行业先驱,创世界品牌
- 企业价值观: 诚信、团结、创新、速度、责任、感恩
- 企业战略: 改变传统的劳动理念,寻求更广阔的市场,谋求企业的转型与可持续发展
- 质量理念: 一丝不苟,精益求精,把不良消灭在源头
- 管理理念: 以人为本,实事求是
- 服务理念: 创造性地为客户提供有价值的服务

发展历程

- 1995 年太湖冷暖公司成立,正式生产“冬夏”牌空调
- 2000 年更名为无锡冬夏空调器有限公司
- 2001 年单管冷气机——SAC-25 正式研发成功
- 2004 年离心雾化式燃油暖风机——SPH-850 正式研发成功
- 2005 年与日本中臣产业株式会社(NAKATOMI)合资成立无锡冬夏机电有限公司
- 2012 年与美国上市公司 GLOBE 合作,产品正式进入北美市场
- 2015 年全面启动海外计划,在台湾成立海外销售公司,并在台湾、美国设立了物流仓库,辐射东南亚和整个美洲市场
- 2019 年冷气机产品累计销售突破 100 万台,产品覆盖全球 30 余个国家和地区,服务了 200000 家以上的企业

荣誉资质 / HONORS



认证证书 / CERTIFICATE



ISO9001



美国 ETL 认证



CE 认证



CCC 认证



公司照片 / PHOTOS OF COMPANY



长野本社外观全景 / HEAD OFFICE OF NAKATOMI CO.,LTD., JAPAN NAGANO



台湾分公司 / TAIWAN BRANCH



新潟営業所 / NIIGATA BRANCH



美国分公司 / USA BRANCH



福岡営業所 / FUKUOKA BRANCH



東京営業所 / TOKYO BRANCH

无锡工厂 / WUXI FACTORY



厂区外观 / FACTORY APPEARANCE



厂区 / FACTORY IN SIDE



办公楼 / OFFICE BUILDING



喷涂线 / COATING LINE



流水线 / PRODUCTION LINE



钣金车间 / METALWORKING WORKSHOP

产品信息表 / Product Information Table

产品图片							
型号	SPH-850	NF-22	NF-23	NF-38	NF-40	NF-45	NF-65
电源	单相 220V/50Hz	单相 220V/50Hz	单相 220V/50Hz	单相 220V/50Hz	单相 220V/50Hz	单相 220V/50Hz	单相 220V/50Hz
消耗电力 (W)	45	122	140	142	98	445	890
输出热量	KW	8.6	22	23	38	40	65
	Kcal/h	7420	18920	19800	32680	34400	55900
耗油量 (L/H)	0.9	2.3	2.3	3.6	3.9	4.3	6.3
油箱容量 (L)	10	16	15	35	35	65	65
使用燃料	煤油	煤油 / 柴油	煤油 / 柴油	煤油 / 柴油	煤油 / 柴油	煤油 / 柴油	煤油 / 柴油
本体尺寸(mm)	W540	W820	W590	W910	W695	W1060	W1210
	D260	D414	D470	D490	D656	D570	D570
	H475	H545	H700	H695	H810	H690	H820
包装尺寸(mm)	W555	W830	W655	W970	W680	W1120	W1240
	D270	D430	D540	D530	D635	D570	D570
	H480	H585	H745	H765	H850	H815	H925
净重 (Kg)	13	22	22	33	40	48	60
毛重 (Kg)	14.5	25	27.5	37.5	46	78	95
装柜数 (台)	320/20' 672/40'	105/20' 210/40'	102/20' 210/40'	48/20' 144/40' HQ	54/20' 162/40' HQ	40/20' 126/40'	32/20' 108/40'

产品图片							
型号	NF-120	RNF-20	DQN-1G	DQN-2G	DQN-3G	DNF-10K	DNF-15K
电源	单相 220V/50Hz	单相 220V/50Hz	单相 220V/50Hz	单相 220V/50Hz	三相 380V/50Hz	三相 380V/50Hz	三相 380V/50Hz
消耗电力 (W)	1400	60	1600	3200	4800	10000	15000
输出热量	KW	120	20	1.6	3.2	4.8	10
	Kcal/h	100000	17200	1400	2800	4200	8600
耗油量 (L/H)	10.5	2.3					
油箱容量 (L)		40					
使用燃料	煤油 / 柴油	煤油 / 柴油					
本体尺寸(mm)	W1820	W1280	W350	W430	W450	W700	W700
	D790	D352	D350	D350	D350	D510	D510
	H1210	H973	H980	H980	H1075	H865	H865
包装尺寸(mm)	W1800	W1310	W1055	W1055	W1105	W715	W715
	D760	D380	D415	D495	D495	D535	D535
	H1300	H1025	H375	H375	H365	H715	H715
净重 (Kg)	198	68	7	12	18	25.5	25.5
毛重 (Kg)	280	72.5	9.6	15	23.3	29.5	29.5
装柜数 (台)	18/20' 36/40'	40/20' 90/40'	168/20' 392/40'	132/20' 336/40'	132/20' 276/40'	93/20' 192/40'	93/20' 192/40'

*上述产品的频率、电压均可定制

* Frequency and voltage of above products can all be made to order.

安全设计

Safety Design

机器内部均采用多种保护装置，进一步提高用户的安全性

Inner of the machine all adopt various protection devices to further improve the security of users

无需安装

No Installation

所有产品均无需安装，插电即用，便捷安全

All products can be used directly with power, there is no need of any installation, it's convenient and safe

移动便捷

Convenient Move

所有产品均配备滚轮和把手，能轻松移动或搬运

All products are equipped with wheels and handles, they are more easily to be moved or carried



直接燃烧、间接燃烧式 (P6-P11) Direct and Indirect Burning Form

燃烧加热、升温快捷、效率高

热量通过风扇送出，到达指定部位

间接燃烧式加热，废气可另外排放具有清洁无气味等优点

Heat by burning、Fast heating up、High efficiency

Heat is sent to specify part by fan. Heat by indirect burning, waste gas can be discharged besides, it's clean without smell



另有废气外排型号可选

PS: waste gas discharging model can also be choosed



辐射式 (P12-P14) Radiation Type

红外线辐射加热，体感舒适度增加

通过大型红外线散热板散发热量使得热量能够得到大范围的传播

精确配比油气混合，燃烧充分，无异味

Heat by infrared radiation, body feels more comfortable

Heat is spreaded in wide range by huge infrared radiation heating panel. Accurate mixture of oil and gas, complete burning, no smell



另有废气外排型号可选

PS: Waste gas discharging model can also be choosed



电热式 (P15-P17) Electric-heat Type

红外线加热直透性强，热量更容易被物体和人吸收

从体内有效的加热，且不受风力的影响

无污染，无噪音，不需加油换气，更安全、更省心

By infrared radiation heating, heat can be more easily absorbed by people and goods, efficient heating inside, no influence by wind.

No pollution, No noise, No need of refueling and changing air, More safe, More peace of mind



另有循环送风型号可选

PS: Wind circulation model can also be choosed

Direct and Indirect Burning Form

直接燃烧、间接燃烧式

SPH-850

电源 / Power 220V

六种安全装置 Six Security Devices

感振自动停止装置·火焰监控装置·过载保护装置·过热保护装置·停电安全装置·断油检知装置

Automatically stop device of vibration sense. Flame monitoring device. Overload protection device. Overheating protection device. Power off security device. Fuel oil cut detective device

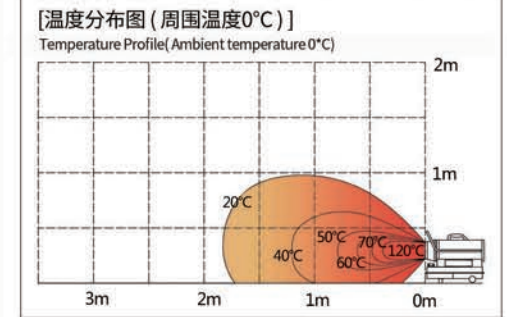
热出力 8.6KW
燃烧持续时间 约10H
油箱容量 10L

电源 Power 220v
可移动 Movable

无需安装 No Installation

蓝色火焰 / 更充分燃烧 / 无异味
Blue flame, burning more sufficiently, no smell

只可使用煤油
Kerosene only



型号 Model	SPH-850
电源 Power/Frequency	220V/50Hz
燃烧形式 Burning Form	直火热风式 Direct fire with hot wind
输出热量 Heat Output	8.6KW 7420Kcal/h
热风输出量 Hot Wind Output	110m³/h
消耗电力 Power Consumption	45W
使用燃料 Use of Fuel	煤油 Kerosene
耗油量 Fuel Consumption	0.9L/h
油箱容量 Fuel Tank Volume	10L
燃烧持续时间 Burning Last Time	10h
重量 Weight	13Kg
外形尺寸 Dimension	W540 x D260 x H475

使用范围/Use

1. 仓库、车间、建筑采暖
2. 混凝土养护、路面的干燥
3. 野外施工采暖
4. 油漆涂料烘干
5. 矿业采暖
6. 大面积范围的除湿
7. 临时帐篷、展会场地采暖
8. 温室暖棚、畜牧业养殖采暖

1. To warm in warehouse, workshop and building area
2. Concrete curing, to dry the road
3. To warm during field operation
4. To dry the paint coating
5. To warm in mining
6. To dry in large area
7. To warm in temporary tent and exhibition area
8. To warm in greenhouse and animal husbandry farm

使用案例/Use Case



直接燃烧、间接燃烧式

Direct and Indirect Burning Form

Direct and Indirect Burning Form

直接燃烧、间接燃烧式

NF-22

电源 / Power 220V

制热量

22 KW

燃烧持续时间

约 7 H

油箱容积

16 L

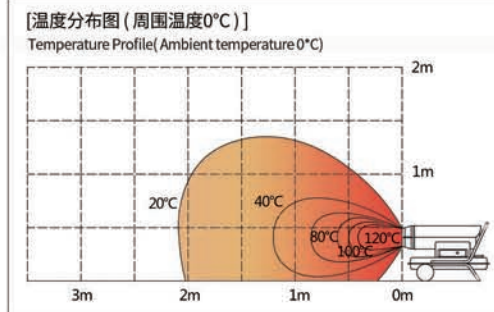
使用面积

钢结构
约 50 平方

混凝土
约 70 平方

五种安全装置 Five Security Devices

- 火焰监控装置 · 过载保护装置 · 过热保护装置 · 停电安全装置
 - 断油检知装置
- Flame monitoring device. Overload protection device. Overheating protection device. Power off security device. Fuel oil cut detective device.



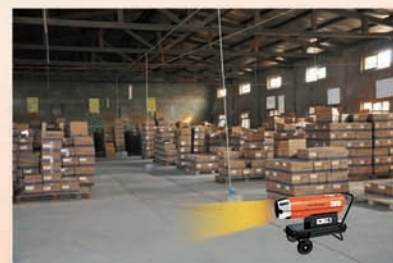
型号 Model	NF-22
电源 Power/Frequency	220V/50Hz
燃烧形式 Burning Form	直火燃烧式 Direct fire burning form
输出热量 Heat Output	22KW 18920Kcal/h
输入功率 Input power	122W
使用燃料 Use of Fuel	煤油/防冻轻柴油 Kerosene/anti-freezing light diesel
油箱容量 Fuel Tank Volume	16L
重量 Weight	22Kg
外形尺寸 Dimension	W820 x D414 x H545

使用范围/Use

1. 仓库、车间、建筑采暖
2. 混凝土养护、路面的干燥
3. 野外施工采暖
4. 油漆涂料烘干
5. 矿业采暖
6. 大面积范围的除湿
7. 临时帐篷、展会场地采暖
8. 温室大棚、畜牧业养殖采暖

1. To warm in warehouse, workshop and building area
2. Concrete curing, to dry the road
3. To warm during field operation
4. To dry the paint coating
5. To warm in mining
6. To dry in large area
7. To warm in temporary tent and exhibition area
8. To warm in greenhouse and animal husbandry farm

使用案例/Use Case



超静音 无异味

Super Silent No smell

高效性

只要放在需要取暖的地方
High efficiency anywhere need warm

快速 暖和

想使用时, 快速点火 立马使用
Fast Warming anytime need warm

NF-38

电源 / Power 220V

制热量

38 KW

燃烧持续时间

约 9 H

油箱容积

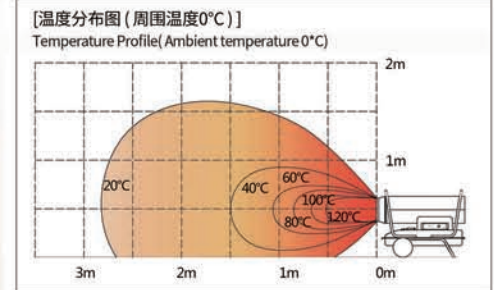
35 L



使用面积

钢结构
约 80 平方

混凝土
约 120 平方



使用案例/Use Case



五种安全装置

- 火焰监控装置 · 过载保护装置 · 过热保护装置 · 停电保护装置
- 断油检知装置

型号 Model	NF-38
电源 Power/Frequency	220V/50Hz
燃烧形式 Burning Form	直火热风式 Direct fire hot air type
输出热量 Heat Output	38KW 19800Kcal/h
热风输出量 Hot blast output	1000m ³ /h
消耗电力 Power Consumption	142W
使用燃料 Use of Fuel	煤油/防冻轻柴油 Kerosene/anti-freezing light diesel
耗油量 Fuel Consumption	3.6L/H
油箱容量 Fuel Tank Volume	35L
燃烧持续时间 Burning Last Time	9h
重量 Weight	33kg
外形尺寸 Dimension	W490xD910XH695

直接燃烧、间接燃烧式

Direct and Indirect Burning Form

Direct and Indirect Burning Form

直接燃烧、间接燃烧式

NF-45

电源/Power 220V

热出力

45 KW

燃烧持续时间

约 12 H

油箱容积

65 L

使用面积

钢结构

约 120 平方

混凝土

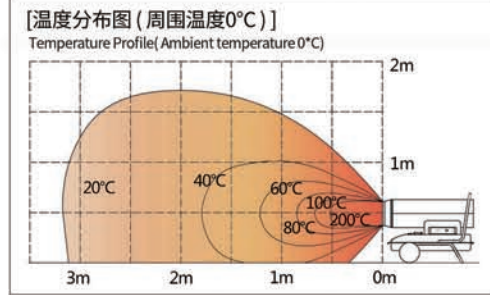
约 180 平方

五种安全装置 Five Security Devices

- 火焰监控装置·过载保护装置·过热保护装置·停电安全装置
 - 断油检知装置
- Flame monitoring device. Overload protection device. Overheating protection device. Power off security device. Fuel oil cut detective device.



可连接 TH5 温控器使用
External temperature controller TH5 can be connected



型号 Model	NF-45
电源 Power/Frequency	220V/50Hz
燃烧形式 Burning Form	直火热风式 Direct fire with hot wind
输出热量 Heat output	45KW 38700Kcal/h
热风输出量 Hot Wind Output	1100m³/h
消耗电力 Power Consumption	445W
使用燃料 Use of Fuel	煤油/防冻轻柴油 Kerosene/Antifreeze light diesel oil
耗油量 Fuel consumption	4.3L/h
油箱容量 Fuel Tank Volume	65L
燃烧持续时间 Burning Last Time	12h
重量 Weight	48Kg
外形尺寸 Dimension	W1060 × D570 × H690

使用范围/Use

1. 仓库、车间、建筑采暖
2. 混凝土养护、路面的干燥
3. 野外施工采暖
4. 油漆涂料烘干
5. 矿业采暖
6. 大面积范围的除湿
7. 临时帐篷、展会场地采暖
8. 温室暖棚、畜牧业养殖采暖

1. To warm in warehouse、workshop and building area
2. Concrete curing、to dry the road
3. To warm during field operation
4. To dry the paint coating
5. To warm in mining
6. To dry in large area
7. To warm in temporary tent and exhibition area
8. To warm in greenhouse and animal husbandry farm

该产品还适应户外使用
不怕自然风的吹刮
并清洁无烟尘气味

The product can also be used outdoor
No fear of being blown by natural wind, clean without smoke and dust smell

使用案例/Use Case



NF-65

电源/Power 220V

热出力

65 KW

燃烧持续时间

约 8 H

油箱容积

65 L

使用面积

钢结构
约 150 平方

混凝土

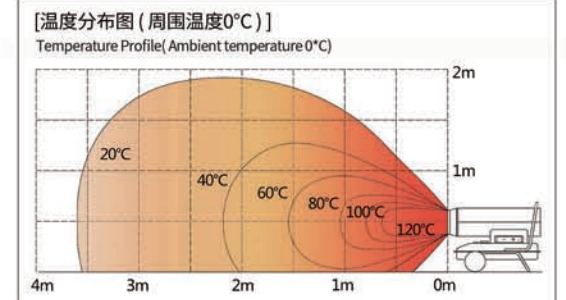
约 250 平方

五种安全装置 Five Security Devices

- 火焰监控装置·过载保护装置·过热保护装置·停电安全装置
 - 断油检知装置
- Flame monitoring device. Overload protection device. Overheating protection device. Power off security device. Fuel oil cut detective device.



可连接 TH5 温控器使用
External temperature controller TH5 can be connected



型号 Model	NF-65
电源 Power/Frequency	220V/50Hz
燃烧形式 Burning Form	直火热风式 Direct fire with hot wind
输出热量 Heat output	65KW 55900Kcal/h
热风输出量 Hot Wind Output	3000m³/h
消耗电力 Power Consumption	890W
使用燃料 Use of Fuel	煤油/防冻轻柴油 Kerosene/Antifreeze light diesel oil
耗油量 Fuel consumption	6.3L/h
油箱容量 Fuel Tank Volume	65L
燃烧持续时间 Burning Last Time	8h
重量 Weight	60Kg
外形尺寸 Dimension	W1210 × D570 × H820

使用范围/Use

1. 仓库、车间、建筑采暖
2. 混凝土养护、路面的干燥
3. 野外施工采暖
4. 油漆涂料烘干
5. 矿业采暖
6. 大面积范围的除湿
7. 临时帐篷、展会场地采暖
8. 温室暖棚、畜牧业养殖采暖

1. To warm in warehouse、workshop and building area
2. Concrete curing、to dry the road
3. To warm during field operation
4. To dry the paint coating
5. To warm in mining
6. To dry in large area
7. To warm in temporary tent and exhibition area
8. To warm in greenhouse and animal husbandry farm

该产品还适应户外使用
不怕自然风的吹刮
并清洁无烟尘气味

The product can also be used outdoor
No fear of being blown by natural wind, clean without smoke and dust smell

使用案例/Use Case



直接燃烧、间接燃烧式

Direct and Indirect Burning Form

Radiation Type

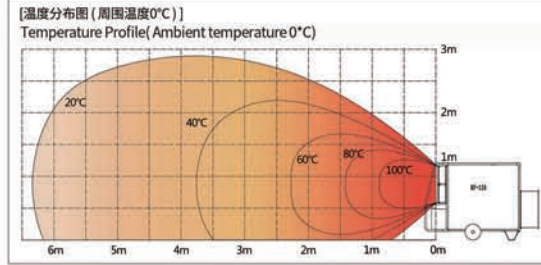
辐射式

NF-120

电源/Power 220V

五种安全装置 Five Security Devices

- 火焰监控装置· 过载保护装置· 过热保护装置· 停电安全装置
 - 断油检知装置
- Flame monitoring device. Overload protection device. Overheating protection device. Power off security device. Fuel oil cut detective device.



型号 Model	NF-120
电源 Power/Frequency	220V/50Hz
燃烧形式 Burning Form	间接燃烧式 Indirect burning form
输出热量 Heat Output	120KW 100000Kcal/h
热风输出量 Hot Wind Output	8000m³/h
消耗电力 Power Consumption	1400W
使用燃料 Use of Fuel	煤油/防冻轻柴油 Kerosene/Antifreeze light diesel oil
耗油量 Fuel Consumption	10.5L/h
油箱容量 Fuel Tank Volume	外接油箱 External fuel tank
重量 Weight	198Kg
外形尺寸 DimensionS	W1820 x D790 x H1210

热出力
120 KW

电源 Power 220v
可移动 Movable

无需安装 No Installation
温度控制 Temperature control

使用面积

钢结构
约**400**平方

混凝土
约**500**平方

采用 304 不锈钢燃烧腔
Adopt 304 stainless steel combustion cavity

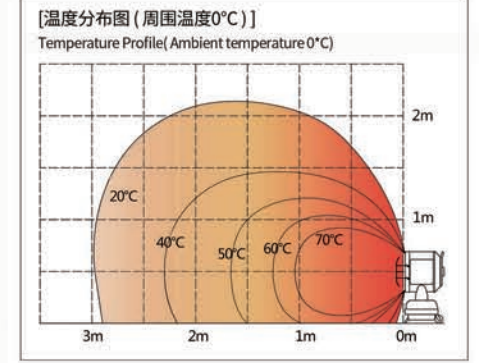
可连接 TH5 温控器使用
External temperature controller TH5 can be connected

NF-23

电源/Power 220V

五种安全装置 Five Security Devices

- 火焰监控装置· 过载保护装置· 过热保护装置· 停电安全装置
 - 断油检知装置
- Flame monitoring device. Overload protection device. Overheating protection device. Power off security device. Fuel oil cut detective device.



热出力
23 KW

燃烧持续时间
约**6** H

油箱容积
15 L

使用面积
钢结构
约**50**平方

混凝土
约**70**平方

电源 Power 220v
可移动 Movable
无需安装 No Installation



型号 Model	NF-23
电源 Power/Frequency	220V/50Hz
燃烧形式 Burning Form	直火辐射式 Direct fire radiation form
输出热量 Heat Output	23KW 19800Kcal/h
热风输出量 Hot blast output	330m³/h
消耗电力 Power Consumption	140W
使用燃料 Use of Fuel	煤油/防冻轻柴油 Kerosene/anti-freezing light diesel
耗油量 Fuel Consumption	2.3L/h
油箱容量 Fuel Tank Volume	15L
燃烧持续时间 Burning Last Time	6h
重量 Weight	22Kg
外形尺寸 Dimension	W590 x D470 x H700

使用范围/Use

1. 仓库、车间、建筑采暖
2. 混凝土养护、路面的干燥
3. 野外施工采暖
4. 油漆涂料烘干
5. 矿业采暖
6. 大面积范围的除湿
7. 临时帐篷、展会场地采暖
8. 温室暖棚、畜牧业养殖采暖

1. To warm in warehouse、workshop and building area
2. Concrete curing、to dry the road
3. To warm during field operation
4. To dry the paint coating
5. To warm in mining
6. To dry in large area
7. To warm in temporary tent and exhibition area
8. To warm in greenhouse and animal husbandry farm



采用原装进口
利雅路燃烧器
Adopt imported original Riello burner



可外接
耐高温软管
High temperature resistance flexible hose can be connected outside

使用案例/Use Case



使用范围/Use

1. 仓库、车间、建筑采暖
2. 混凝土养护、路面的干燥
3. 野外施工采暖
4. 油漆涂料烘干
5. 矿业采暖
6. 大面积范围的除湿
7. 临时帐篷、展会场地采暖
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8. To warm in greenhouse and animal husbandry farm



内置二档
送风装置
Built-in blower with two steps



风口可上下
45°调节
Air vent can be adjusted 45 degrees up and down

使用案例/Use Case



辐射式

Radiation Type

NF-40

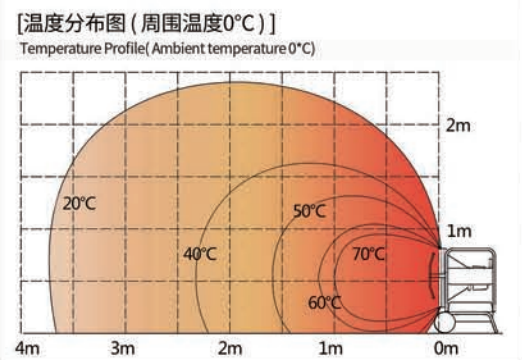
电源 / Power 220V



五种安全装置 Five Security Devices

- 火焰监控装置 · 过载保护装置 · 过热保护装置 · 停电安全装置 · 断油检知装置
- Flame monitoring device · Overload protection device · Overheating protection device · Power off security device · Fuel oil cut detective device.

热出力 **40 KW** 燃烧持续时间 **约 8 H** 油箱容积 **35 L**



型号 Model	NF-40
电源 Power/Frequency	220V/50Hz
燃烧形式 Burning Form	直火辐射式 Direct fire radiation form
输出热量 Heat Output	40KW 34400Kcal/h
消耗电力 Power Consumption	98W
使用燃料 Use of Fuel	煤油/防冻轻柴油 Kerosene/Antifreeze light diesel oil
耗油量 Fuel Consumption	3.9L/h
油箱容量 Fuel Tank Volume	35L
燃烧持续时间 Burning Last Time	8h
重量 Weight	40Kg
外形尺寸 Dimension	W695 × D656 × H810

使用范围/Use

1. 仓库、车间、建筑采暖
2. 混凝土养护、路面的干燥
3. 野外施工采暖
4. 油漆涂料烘干
5. 矿业采暖
6. 大面积范围的除湿
7. 临时帐篷、展会场地采暖
8. 温室暖棚、畜牧业养殖采暖

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4. To dry the paint coating
5. To warm in mining
6. To dry in large area
7. To warm in temporary tent and exhibition area
8. To warm in greenhouse and animal husbandry farm

使用案例/Use Case



Radiation Type

辐射式

RNF-20

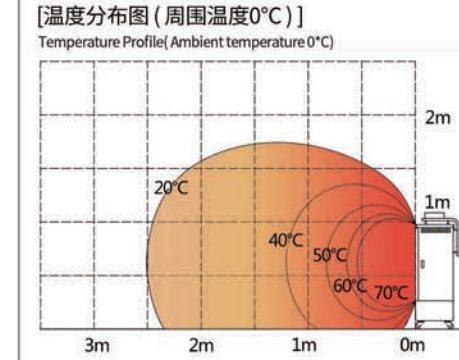
电源 / Power 220V



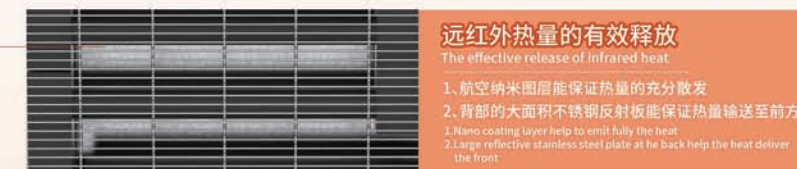
五种安全装置 Five Security Devices

- 火焰监控装置 · 过载保护装置 · 过热保护装置 · 停电安全装置 · 断油检知装置
- Flame monitoring device · Overload protection device · Overheating protection device · Power off security device · Fuel oil cut detective device.

热出力 **20 KW** 燃烧持续时间 **约 17 H** 油箱容积 **40 L**



型号 Model	RNF-20
电源 Power/Frequency	220V/50Hz
燃烧形式 Burning Form	间接燃烧、辐射式 Indirect burning radiation form
输出热量 Heat Output	20KW 17200Kcal/h
消耗电力 Power Consumption	60W
使用燃料 Use of Fuel	煤油/防冻轻柴油 Kerosene/Antifreeze light diesel oil
耗油量 Fuel Consumption	2.3L/h
油箱容量 Fuel Tank Volume	40L
燃烧持续时间 Burning Last Time	17h
重量 Weight	68Kg
外形尺寸 Dimension	W1280 × D352 × H973



使用范围/Use

1. 仓库、车间、建筑采暖
2. 混凝土养护、路面的干燥
3. 野外施工采暖
4. 油漆涂料烘干
5. 矿业采暖
6. 大面积范围的除湿
7. 临时帐篷、展会场地采暖
8. 温室暖棚、畜牧业养殖采暖

1. To warm in warehouse, workshop and building area
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4. To dry the paint coating
5. To warm in mining
6. To dry in large area
7. To warm in temporary tent and exhibition area
8. To warm in greenhouse and animal husbandry farm

使用案例/Use Case



DNF-10K/DNF-15K

三相 / 3Phase 380V



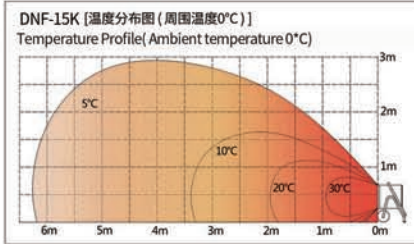
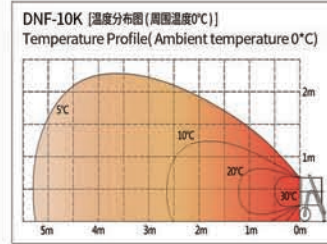
DNF-10K
热出力
10 KW

DNF-15K
热出力
15 KW



三种安全装置 Three Security Devices

- 过载保护装置 · 过热保护装置 · 停电安全装置
- Overload protection device. Overheating protection device. Power off security device



型号 Model	DNF-10K
电源 Power/Frequency	三相380V/50Hz Three phase380V/50HZ
发热形式 Heating Form	电热热风式 Electric heat
输出热量 Heat Output	10KW 8600Kcal/h
热风输出量	1100m³/h
消耗电力 Power Consumption	10000W
运转电流 Running Current	15A
重量 Weight	25.5Kg
外形尺寸 Dimension	W700 × D510 × H865

型号 Model	DNF-15K
电源 Power/Frequency	三相380V/50Hz Three phase380V/50HZ
发热形式 Heating Form	电热热风式 Electric heat
输出热量 Heat Output	15KW 12900Kcal/h
热风输出量	1300m³/h
消耗电力 Power Consumption	15000W
运转电流 Running Current	22.7A
重量 Weight	25.5Kg
外形尺寸 Dimension	W700 × D510 × H865

使用范围/Use

1. 仓库、车间、建筑采暖
2. 混凝土养护、路面的干燥
3. 野外施工采暖
4. 油漆涂料烘干
5. 矿业采暖
6. 大面积范围的除湿
7. 临时帐篷、展会场地采暖
8. 温室大棚、畜牧业养殖采暖

1. To warm in warehouse, workshop and building area
2. Concrete curing, to dry the road
3. To warm during field operation
4. To dry the paint coating
5. To warm in mining
6. To dry in large area
7. To warm in temporary tent and exhibition area
8. To warm in greenhouse and animal husbandry farm



可上下
90°调节
The direction can be adjusted 90 degrees up and down



可调试
温控开关
Adjustable temperature control switch

使用案例/Use Case



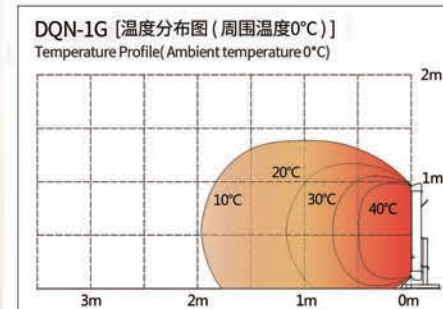
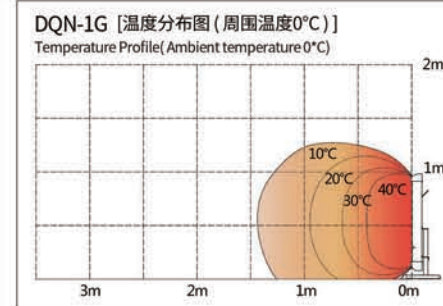
DQN-1G/DQN-2G

电源 / Power 220V



四种安全装置 Four Security Devices

- 倾倒自动断电装置 · 过载保护装置
- 过热保护装置 · 停电安全装置
- Automatic power off of Topple, Overload protection device. Overheating protection device. Power off security device



热出力
1.6 KW



热出力
3.2 KW

型号 Model	DQN-1G
电源 Power/Frequency	220V/50Hz
发热形式 Heating Form	远红外辐射式 Far infrared radiation form
输出热量 Heat Output	1.6KW 1400Kcal/h
消耗电力 Power Consumption	1600W
运转电流 Running Current	7.3A
重量 Weight	7Kg
外形尺寸 Dimension	W350 × D350 × H980

型号 Model	DQN-2G
电源 Power/Frequency	220V/50Hz
发热形式 Heating Form	远红外辐射式 Far infrared radiation form
输出热量 Heat Output	3.2KW 2800Kcal/h
消耗电力 Power Consumption	3200W
运转电流 Running Current	14.5A
重量 Weight	12Kg
外形尺寸 Dimension	W430 × D350 × H980

使用范围/Use

1. 仓库、车间、建筑采暖
2. 混凝土养护、路面的干燥
3. 野外施工采暖
4. 油漆涂料烘干
5. 矿业采暖
6. 大面积范围的除湿
7. 临时帐篷、展会场地采暖
8. 温室大棚、畜牧业养殖采暖

1. To warm in warehouse, workshop and building area
2. Concrete curing, to dry the road
3. To warm during field operation
4. To dry the paint coating
5. To warm in mining
6. To dry in large area
7. To warm in temporary tent and exhibition area
8. To warm in greenhouse and animal husbandry farm



可左右调节角度
The direction can be adjusted to left and right



滚轮设计移动便捷
Wheel design, move easily

电热式

Electric-heat Type

DQN-3G

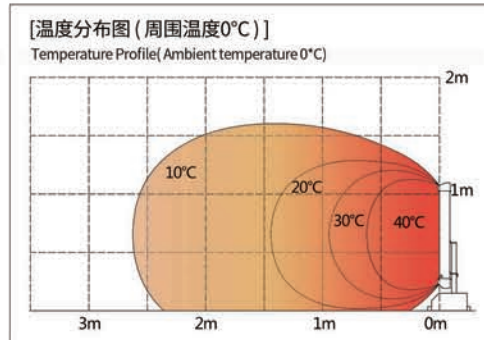
三相 / 3Phase 380V

热出力
4.8KW

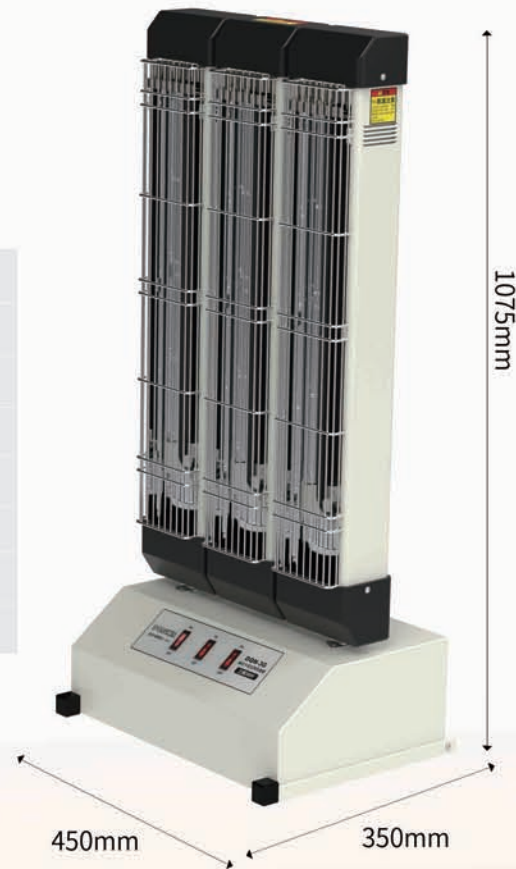


四种安全装置 Four Security Devices

- 倾倒自动断电装置 · 过载保护装置
 - 过热保护装置 · 停电安全装置
- Automatic power off of Topple .Overload protection device.Overheating protection device.Power off security device



型号 Model	DQN-3G
电源 Power/Frequency	三相380V/50Hz Three phase380V/50HZ
发热形式 Heating Form	远红外辐射式 Far infrared radiation form
输出热量 Heat Output	4.8KW 4200Kcal/h
消耗电力 Power Consumption	4800W
运转电流 Running Current	7.3A
重量 Weight	18Kg
外形尺寸 Dimension	W450 x D350 x H1075

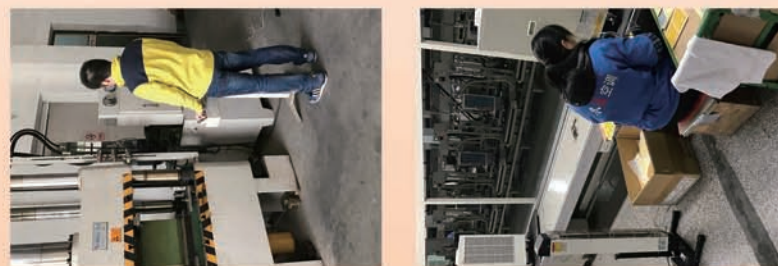


使用范围/Use

- 1.仓库、车间、建筑采暖
- 2.混凝土养护、路面的干燥
- 3.野外施工采暖
- 4.油漆涂料烘干
- 5.矿业采暖
- 6.大面积范围的除湿
- 7.临时帐篷、展会场地采暖
- 8.温室暖棚、畜牧业养殖采暖

- 1.To warm in warehouse、workshop and building area
- 2.Concrete curing、to dry the road
- 3.To warm during field operation
- 4.To dry the paint coating
- 5.To warm in mining
- 6.To dry in large area
- 7.To warm in temporary tent and exhibition area
- 8.To warm in greenhouse and animal husbandry farm

使用案例/Use Case



热量计算和快速选型列表 Approximate heating requirements

输出功率 Power [KW]	新建筑 保温良好 New buildings with average insulation	老式建筑 保温一般 Old buildings with average insulation	温室花房 双层膜结构 Greenhouses double glazing	温室花房 单层膜结构 Greenhouses without insulation
	温度差 TEMPERATURE DIFFERENCE [ΔT] 30°C			
5	70-150 m³	60-110 m³	35 m²	18 m²
10	150-300 m³	130-220 m³	70 m²	37 m²
20	320-600 m³	240-440 m³	140 m²	74 m²
30	650-1000 m³	460-650 m³	210 m²	110 m²
40	1050-1300 m³	650-890 m³	300 m²	150 m²
50	1350-1600 m³	900-1100 m³	370 m²	180 m²
60	1650-2000 m³	1150-1350 m³	440 m²	220 m²
75	2100-2500 m³	1400-1650 m³	550 m²	280 m²
100	2600-3300 m³	1700-2200 m³	740 m²	370 m²
125	3400-4100 m³	2300-2700 m³	920 m²	460 m²
150	4200-5000 m³	2800-3300 m³	1100 m²	550 m²
200	5000-6500 m³	3400-4400 m³	1480 m²	740 m²

计算适合的输出热量 How to calculate the heating requirements

热量计算公式:
Heat Calculation Formula

$$V \times T \times K = \text{kcal/h}$$

针对使用场所的环境，需要确定所需暖风机的最小输出功率。
As the environment of using place, mini output power of the spot heater need to be confirmed.

关键字:

- V-需要加热区域的体积。(长×宽×高)单位:立方米。
- T-环境最低温度和室内所需温度的差值(°C)
- K-热传导系数。

Key word:

- V- The volume of the place that need to be heated. (L*W*H) Unit:CBM
- T-The different value of the lowest temperature of the environment and the temperature the room needs °C
- K-Coefficient of heat conduction



V-宽4米，长12米，高3米
V-W:4m, L:12m, H:3m
加热区域面积=144立方米
Heating area=144cbm



T-环境最低温度-5度
室内所需温度+18度
温差值=23度
T-The lowest temperature of the environment:-5°C
The temperature the room needs +18°C
The different value=23°C



K-热交换系数由建筑和隔离的材料结构来决定。
K-Heat exchange coefficient,it is decided by the architectural and isolated material

示例:

所需要的最小热量
144x23x4=13248Kcal/h
Example: The mini heat needed
144*23*4=13248Kcal/h

热量转换公式

1KW=860Kcal/h
1KW=3412Btu/h
1Kg/h=1.2L/h
1升柴油=8600Kcal
1立方天然气=9300-10000Kcal

Heat Exchange Formula
1KW=860Kcal/h
1KW=3412Btu/h
1Kg/h=1.2L/h

1 Liter Diesel=8600Kcal
1CBM Natural Gas=9300-10000Kcal

- K=3.0-4.0 木制或保温板搭建的简单建筑物，不绝缘。
- K=2.0-2.9 简易建筑，单层砖墙，简易窗户，简易屋顶，绝缘效果不良。
- K=1.0-1.9 标准建筑，双层砖墙，窗户少，标准封闭层顶，绝缘效果良好。
- K=0.6-0.9 高级建筑，双层绝缘墙，少量窗户，深厚的地基，标准封闭屋顶，绝缘良好。
- K=3.0-4.0 Simple buildings built by wood or insulation board, uninsulated
- K=2.0-2.9 Simple buildings with single brick wall,simple windows, simple roof, bad insulation
- K=1.0-1.9 Standard buildings with double brick wall,few window, standard closed roof, good insulation
- K=0.6-0.9 Advanced buildings with double insulated wall, few window, deep foundation, standard closed roof, excellent insulation