



“方程式”系列产品
Formula Series Product

- | | |
|--------------------|---|
| • 风量可达：29,000m³/h | • Volume: 29,000m³/h |
| • 方形外壳设计，安装简便 | • Square Housing Design, Easy Installation |
| • 免维护型电机 | • Maintenance-free Motor |
| • 可选配重力止回风阀，箱体环氧喷涂 | • Optional Gravity Back-draft Damper, Casing With Epoxy Spray Coating |
| • 防爆送排风（可选） | • Explosion Proof Supply / Exhaust (Optional) |

G2.5

公司介绍 Company Profile

上海诺地乐通用设备制造有限公司是集研发、生产、销售为一体的中高端通风、燃气采暖及空气净化设备解决方案供应商。公司成立于2003年9月，坐落于上海市嘉定区。公司是美国绿色建筑委员会（USGBC）会员，国际空气运动与控制协会（AMCA）会员，上海市高新技术企业，**INFINAIR®** 荣获上海市著名商标。

Shanghai Nautilus General Equipment Manufacturing Co., Ltd. is a middle and high-end solution provider of air supply and gas heating and air cleaning equipment that integrates R&D, production and sales. Established in September, 2003, it is located in the Jiading District of Shanghai. The company is the member of the US Green Building Council (USGBC) and International Air Movement and Control Association (AMCA), the high and new tech enterprise of Shanghai, **INFINAIR®** won the famous trademark in Shanghai.

英飞愿景：成为最值得信任的专业空气运动与控制、调节品牌。

Vision statement: To become the most trustworthy brand of professional air movement & control and air conditioning.

英飞使命：提供最可靠、便利的空气运动与控制、调节服务。

Mission statement: To provide the most reliable and user-friendly air movement & control and air conditioning service.



轴流叶轮

Axial Wheel



250-600mm

普通型叶轮，带有外转子电机
General type wheel with external rotor motor



250-550mm

防爆型铝制叶轮（铝属于非黑色金属，与防爆电机配合使用时，风机的防爆等级达到AMCA-99标准规定的Spark C级别）
Explosion resistant aluminum wheel (aluminum belongs to non-ferrous metal and the explosion resistant class of fan is Spark C as AMCA-99 standard with the use of explosion resistant motor)



600-900mm

普通型和防爆型共用钢制叶轮（防爆时，所配的导流圈为铝制，属于非黑色金属，与防爆电机配合使用时，风机的防爆等级达到AMCA-99标准规定的Spark C级别）
Steel wheel for both general and explosion resistant application (As explosion resistant, the matching inlet venturi is aluminum which belongs to nonferrous metal and the explosion resistant class of fan is Spark C as AMCA-99 standard with the use of explosion resistant motor.)

✓设计应力经过检验：长期运转强度高

Stress analyze tested: reliable strength for long time running

- 计算机辅助应力分析
Computer aided stress analyze
- 选点准确的补强筋：反复实验确定
Strengthen slots properly located: according to repeating test
- 有效降低叶片末端振幅
Blade end vibration effectively reduced
- 防止长期运转后叶片变形或断裂
Prevent blade distortion or breaking after long time running

✓前掠型叶片：设计先进

Forward sweeping blades: advanced design

- 采用最新空气动力学实验结果优化
Optimized according to aero-dynamic simulation
- 叶轮平衡等级G2.5 (AMCA)
Wheel balancing level G2.5 (AMCA)
- 叶片曲面光滑流畅呈流线型，渐进地切入空气
The blade surface is fluent and streamline, cut into air progressively
- 与空气脱离时外边缘倾角设计合理，有效减少脱离紊流
The blade edge angle is properly designed, help reducing turbulence when air break away
- 大量风量的同时保证低噪音
Low noise is kept under large volume

产品特点

Product Feature

✓ 电机置于气流内+ 免润滑： 适合安装在高处

Motor is inside of air stream and lubrication free; suitable for installing on high wall

- 体积小，结构简单，重量轻，运行可靠
Small size, simple structure, light and stable running
- 电机置于气流内：散热良好，延长电机寿命
Motor is inside of air stream: effective cooling extended motor life
- 电机免润滑，整机免维护，适合安装在高处
Lubricating free motor: maintenance free unit suitable for installing on high wall
- 无皮带：不需登高更换
No belt: no need to climb high to replace belt from time to time



镀锌钢外壳
Galvanized housing

✓ 方形外壳设计：更合理

Square housing: reasonable profile

- 混凝土墙、砖墙及压型板墙面上开方洞：更方便
Square opening in concrete, brick or steel wall: easier
- 单层压型板墙带水平支撑梁，结构简单可靠
Single layer steel wall with horizontal support beam: simple and reliable



环氧树脂处理外壳
Epoxy powder coating

✓ 配件齐全实用：考虑更周到

Complete accessories available: thoughtful

- 标准配件：
45° 防雨罩和不锈钢防鸟网（排风机WEX用），90° 防雨罩和不锈钢防虫网（送风机WSP用），安全防护网和不锈钢紧固件。

Standard accessories:
45° weatherhood and stainless steel birdscreen (for WEX air exhaust), 90° weatherhood and stainless steel insectscreen (for WSP air supply), safety protective screening and stainless steel fastener.

- 可选配件：
重力式止回风阀，箱体环氧和防爆结构。

Optional accessories:
gravity back-draft damper, casing with epoxy spray coating and explosion resistant structure.

命名规范

Naming Convention

WEX-250 (D/E/EX) 4 -0.06



标配件

Standard Accessories

• 45° 或 90° 防雨罩

排风机WEX配备45° 防雨罩, 面向室外出风口处配不锈钢防鸟网。送风机WSP配备90° 防雨罩, 面向室外的进风口处配有不锈钢防虫网, 以防止飞虫被吸入室内。以上两种防雨罩为默认配置, 在工厂已装配完毕。若外墙配防雨百叶, 则可去除。

• 45° or 90° Weather cover

WEX exhaust fan is with 45° weatherhood, outlet is with stainless steel birdscreen. WSP supply fan is with 90° weatherhood, inlet is with stainless steel insectscreen, prevents insects into workshop. The above two weatherhoods are default and assembled in the factory. Weatherhood can be removed if outer wall is with rain-proof louvers.

• 安全防护网:

保护电机, 防止电机运转时造成的意外人身伤害。

Safety protective screening:

Protect motor and prevent accidental personal injure while motor is operating.

• 不锈钢紧固件:

螺栓、螺母等紧固件的材质为不锈钢, 防止长期暴露在空气中生锈, 并可耐一定程度的腐蚀。

Stainless steel fastener:

The material of such fasteners as bolts and nuts are stainless steel to prevent getting rustyand corrosive to a certain extent when they are exposed in the air for a long time.

• 普通型和防爆型接线套装

普通型接线材质为金属软管, 防爆型接线材质为防爆绕线管。

Wiring suit for General and explosion resistant type

The wiring material of general type is metal hose and that of explosion resistant type is bobbin of explosion resistant.

选配件

Optional Accessories

• 重力式止回风阀

带有法兰的铝制 (选配: 环氧喷涂) 止回风阀重量轻, 阻损小, 开启灵活, 重力式复位简单可靠。

Gravity back-draft damper

Flanged aluminum (optional: epoxy spray coating) back-draft damper is light and low pressure loss. It can be opened easily, and closed by gravity which is simple and reliable.

箱体环氧:

对外壳箱体进行静电喷涂环氧处理, 十年防腐防锈。

Casing with epoxy spray coating:

Casing is electro statically painted with epoxy powder coating to prevent getting rusty and corrosive for ten years.

防爆结构

边墙风机用于防爆送排风时, 应采用防爆结构。防爆型250~550为铝制叶轮, 铝制导流圈; 防爆型600~900为钢制叶轮, 铝制导流圈; 电机采用防爆电机, 普通防爆级别为ExdIICT4, 复合防爆级别为ExdIIBT4。由于风机的叶轮或导流圈为铝制, 即非黑色金属, 风机的防爆等级均达到 AMCA-99 规定的 Spark C 级别。

Explosion resistant structure

Sidewall fans shall be explosion resistant structure when applies to explosion resistant supply/exhaust. Explosion resistant type (size: 250~550) is aluminum wheel, the inlet venturi is aluminum.

Explosion resistant type (size: 600~900) is steel wheel, the inlet venturi is aluminum; Motor is explosion resistant, the general explosion resistant class is ExdIICT4 and the dust explosion resistant class is ExdIIBT4. As the wheel or inlet venturi is aluminum as non-ferrous metal, the explosion resistant class of fan is Spark C as per AMCA standard.

防雨百叶 (选用防雨百叶时, 无防雨罩, 不可选重力止回风阀)

常开状态, 防止雨水进入室内。

Rainproof louver (if choose this, no weatherhood, gravity back-draft damper can't be chosen)

The usual condition is open to prevent rain from entering room.

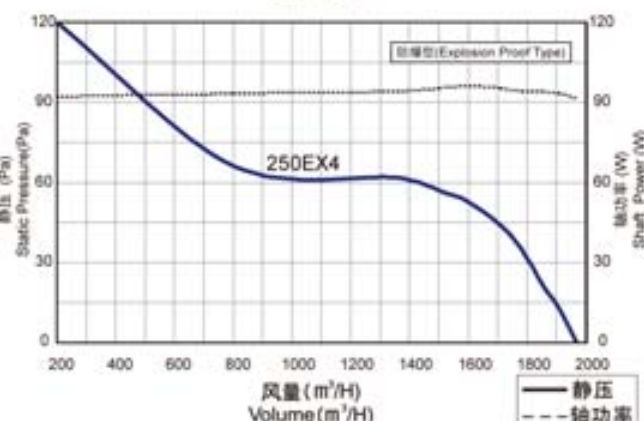
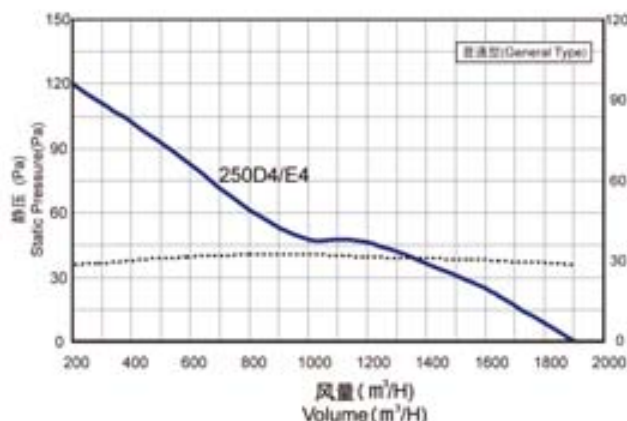
性能参数以及尺寸表

Performance and sizing table

边墙式排风机/送风机 (Sidewall Exhaust/Supply Fan)

边墙防爆排风机/送风机 (Sidewall Explosion proof Exhaust/Supply Fan)

250

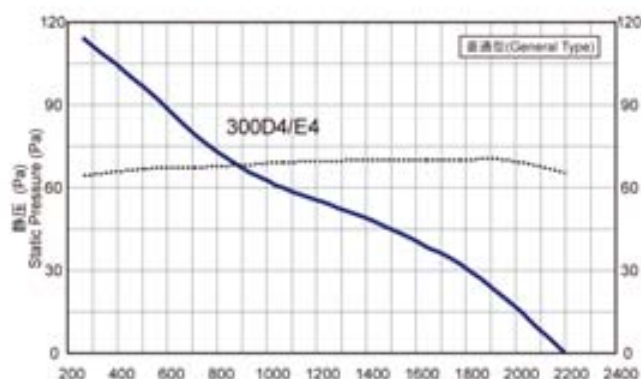


型号	电压	频率	电流	电机功率	转速	噪音	电容
MODEL	VOLT	HERZ	CURRENT	MOTOR	SPEED	NOISE	CAPACITOR
	V	Hz	A	W	r/min	dB(A)	μF
WEX/WSP-250D4-0.05	380	50	0.17	50	1400	54	—
WEX/WSP-250E4-0.05	220	50	0.25	50	1380	54	2
WEX/WSP-250EX4-0.12	380	50	0.40	120	1400	62	—

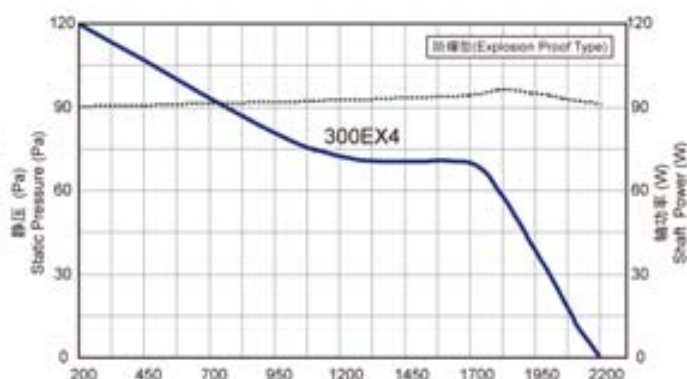
300

边墙式排风机/送风机 (Sidewall Exhaust/Supply Fan)

边墙防爆排风机/送风机 (Sidewall Explosion proof Exhaust/Supply Fan)



风量 (m³/h)
Volume (m³/h)

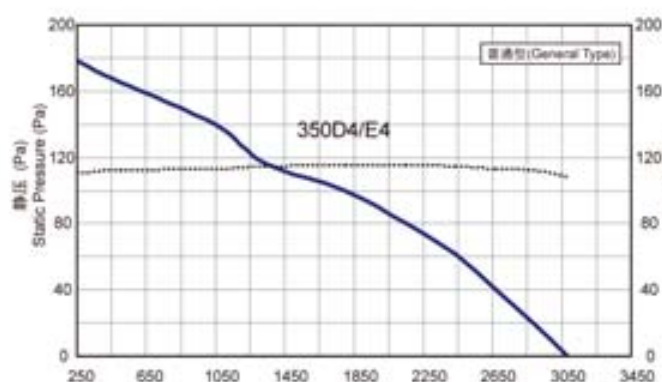


风量 (m³/h)
Volume (m³/h)

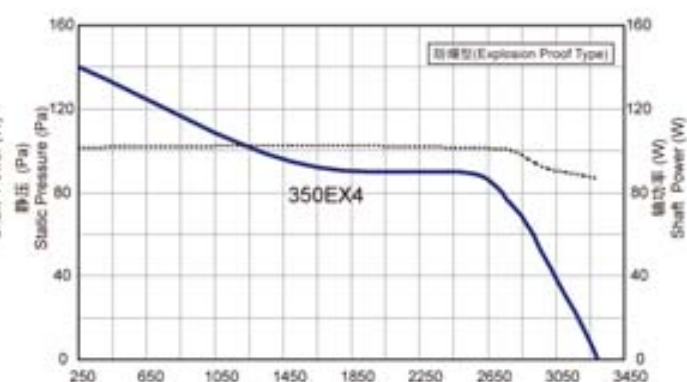
— 静压
--- 轴功率

型号	电压	频率	电流	电机功率	转速	噪音	电容
MODEL	VOLT	HERZ	CURRENT	MOTOR	SPEED	NOISE	CAPACITOR
	V	Hz	A	W	r/min	dB(A)	μF
WEX/WSP-300D4-0.09	380	50	0.20	90	1380	58	—
WEX/WSP-300E4-0.09	220	50	0.35	90	1380	58	3
WEX/WSP-300EX4-0.12	380	50	0.40	120	1400	64	—

350



风量 (m³/h)
Volume (m³/h)



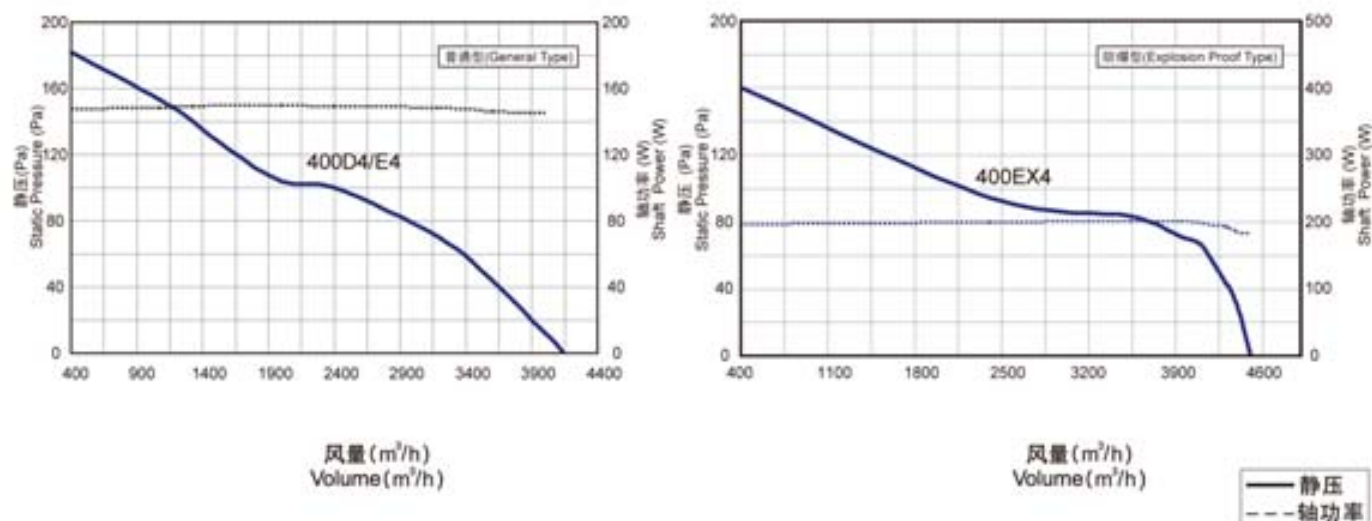
风量 (m³/h)
Volume (m³/h)

— 静压
--- 轴功率

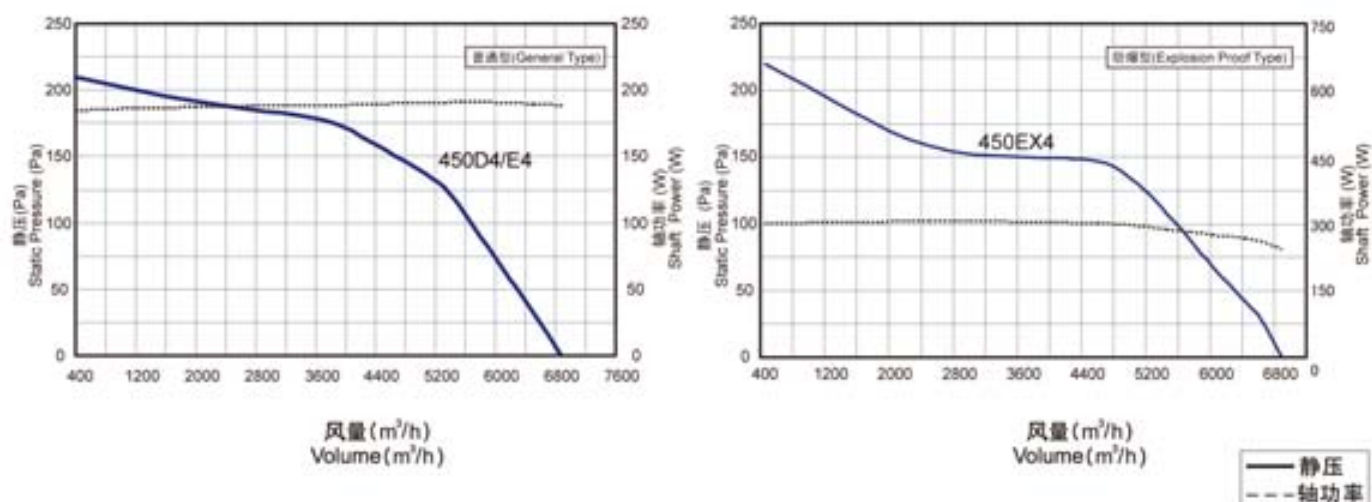
型号	电压	频率	电流	电机功率	转速	噪音	电容
MODEL	VOLT	HERZ	CURRENT	MOTOR	SPEED	NOISE	CAPACITOR
	V	Hz	A	W	r/min	dB(A)	μF
WEX/WSP-350D4-0.15	380	50	0.38	150	1380	62	—
WEX/WSP-350E4-0.15	220	50	0.65	150	1380	62	4
WEX/WSP-350EX4-0.12	380	50	0.40	120	1400	66	—

边墙式排风机/送风机 (Sidewall Exhaust/Supply Fan)

边墙防爆排风机/送风机 (Sidewall Explosion proof Exhaust/Supply Fan)

400


型号	电压	频率	电流	电机功率	转速	噪音	电容
MODEL	VOLT	HERZ	CURRENT	MOTOR	SPEED	NOISE	CAPACITOR
	V	Hz	A	W	r/min	dB(A)	μF
WEX/WSP-400D4-0.19	380	50	0.47	190	1380	68	—
WEX/WSP-400E4-0.19	220	50	0.80	195	1380	68	6
WEX/WSP-400EX4-0.25	380	50	0.80	250	1400	68	—

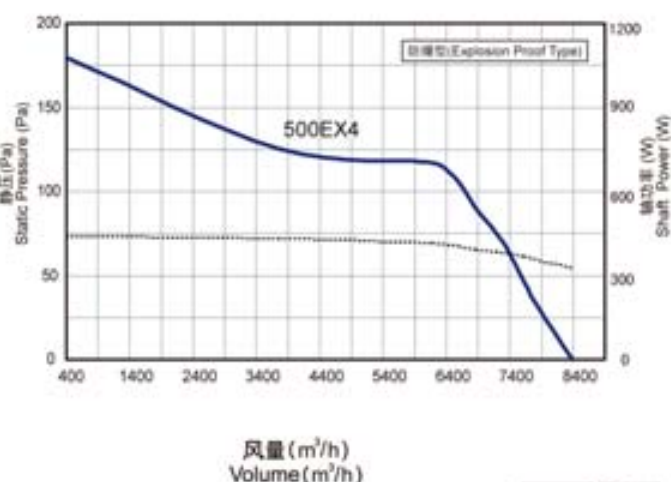
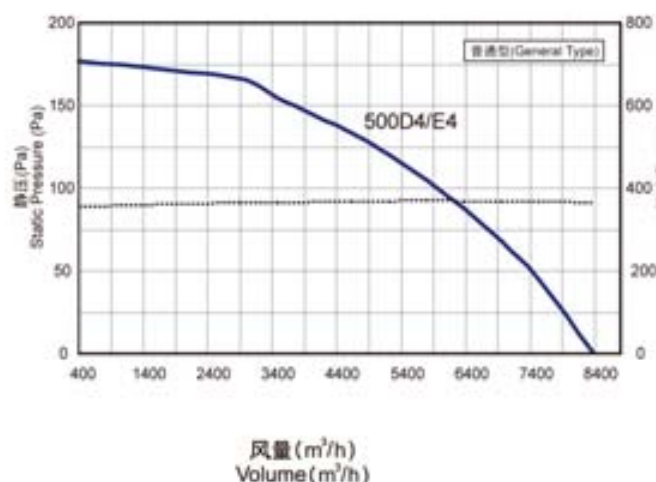
450


型号	电压	频率	电流	电机功率	转速	噪音	电容
MODEL	VOLT	HERZ	CURRENT	MOTOR	SPEED	NOISE	CAPACITOR
	V	Hz	A	W	r/min	dB(A)	μF
WEX/WSP-450D4-0.24	380	50	0.60	240	1360	69	—
WEX/WSP-450E4-0.24	220	50	1.20	240	1350	69	8
WEX/WSP-450EX4-0.37	380	50	1.1	370	1400	69	—

500

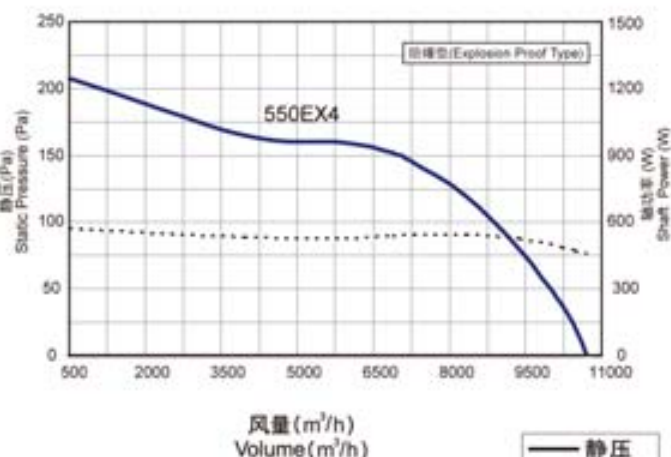
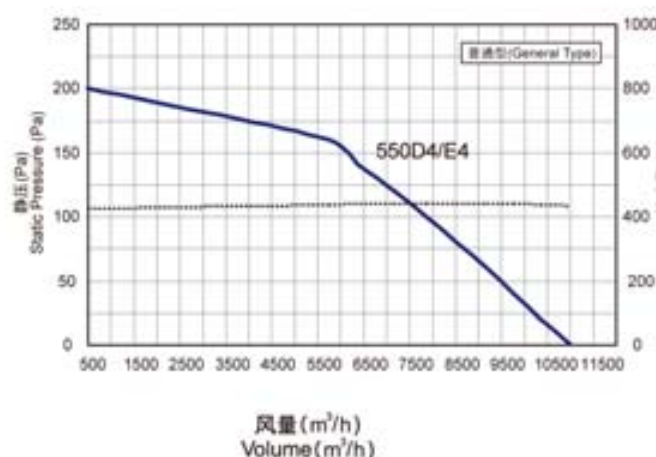
边墙式排风机/送风机 (Sidewall Exhaust/Supply Fan)

边墙防爆排风机/送风机 (Sidewall Explosion proof Exhaust/Supply Fan)



型号	电压	频率	电流	电机功率	转速	噪音	电容
MODEL	VOLT	HERZ	CURRENT	MOTOR	SPEED	NOISE	CAPACITOR
	V	Hz	A	W	r/min	dB(A)	μF
WEX/WSP-500D4-0.46	380	50	0.9	460	1300	70	—
WEX/WSP-500E4-0.46	220	50	1.85	460	1300	70	10
WEX/WSP-500EX4-0.55	380	50	1.6	550	1390	70	—

550

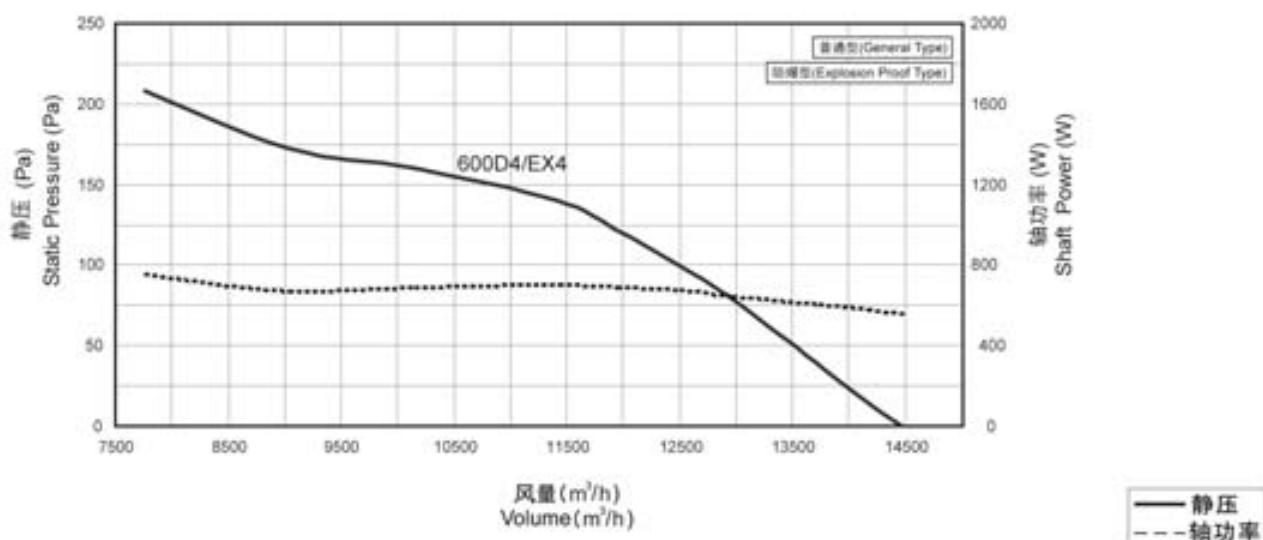


型号	电压	频率	电流	电机功率	转速	噪音	电容
MODEL	VOLT	HERZ	CURRENT	MOTOR	SPEED	NOISE	CAPACITOR
	V	Hz	A	W	r/min	dB(A)	μF
WEX/WSP-550D4-0.55	380	50	1.2	550	1300	71	—
WEX/WSP-550E4-0.55	220	50	2.5	550	1300	71	12
WEX/WSP-550EX4-0.75	380	50	2	750	1390	71	—

边墙式排风机/送风机 (Sidewall Exhaust/Supply Fan)

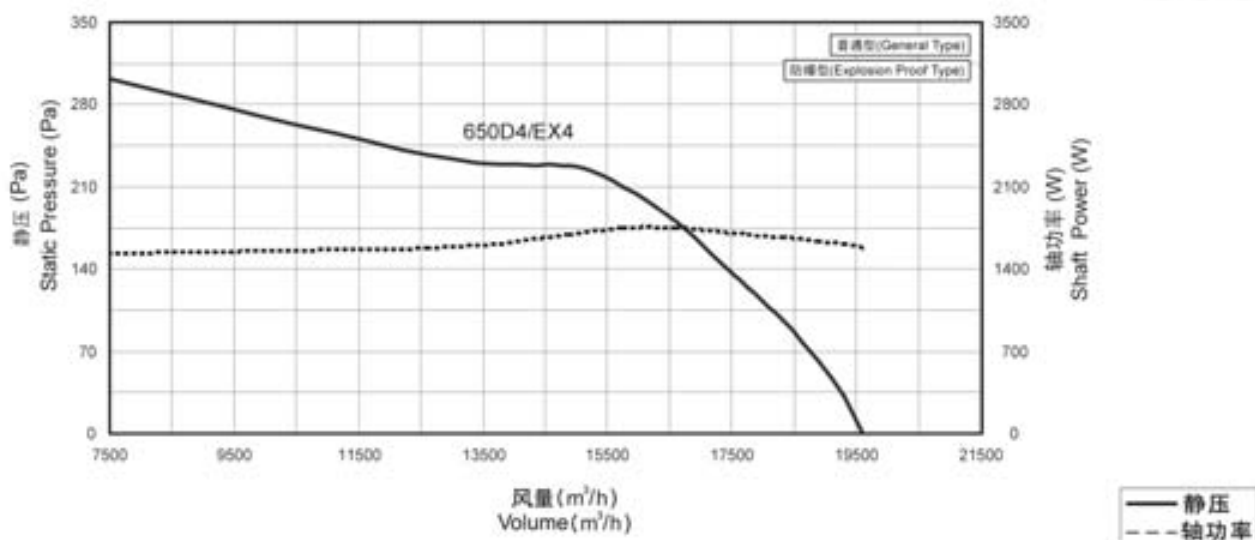
边墙防爆排风机/送风机 (Sidewall Explosion proof Exhaust/Supply Fan)

600



型号	电压	频率	电流	电机功率	转速	噪音
MODEL	VOLT	HERZ	CURRENT	MOTOR	SPEED	NOISE
	V	Hz	A	W	r/min	dB(A)
WEX/WSP-600D4-0.83	380	50	1.6	830	1350	<73
WEX/WSP-600EX4-1.1	380	50	2.9	1100	1400	<73

650

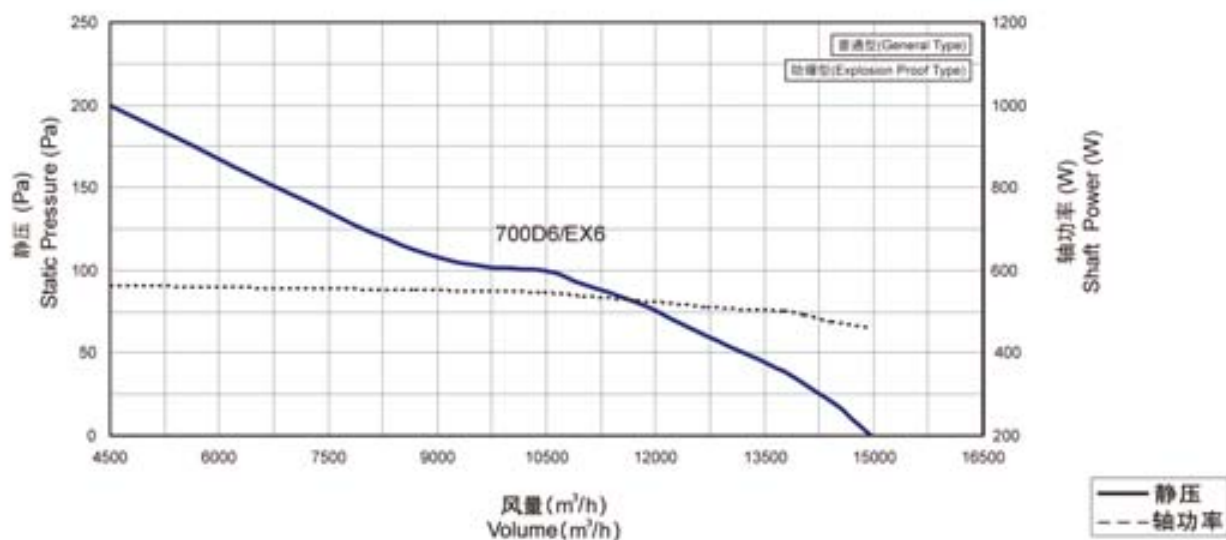


型号	电压	频率	电流	电机功率	转速	噪音
MODEL	VOLT	HERZ	CURRENT	MOTOR	SPEED	NOISE
	V	Hz	A	W	r/min	dB(A)
WEX/WSP-650D4-2.2	380	50	5.2	2200	1420	<74
WEX/WSP-650EX4-2.2	380	50	5.2	2200	1420	<74

700

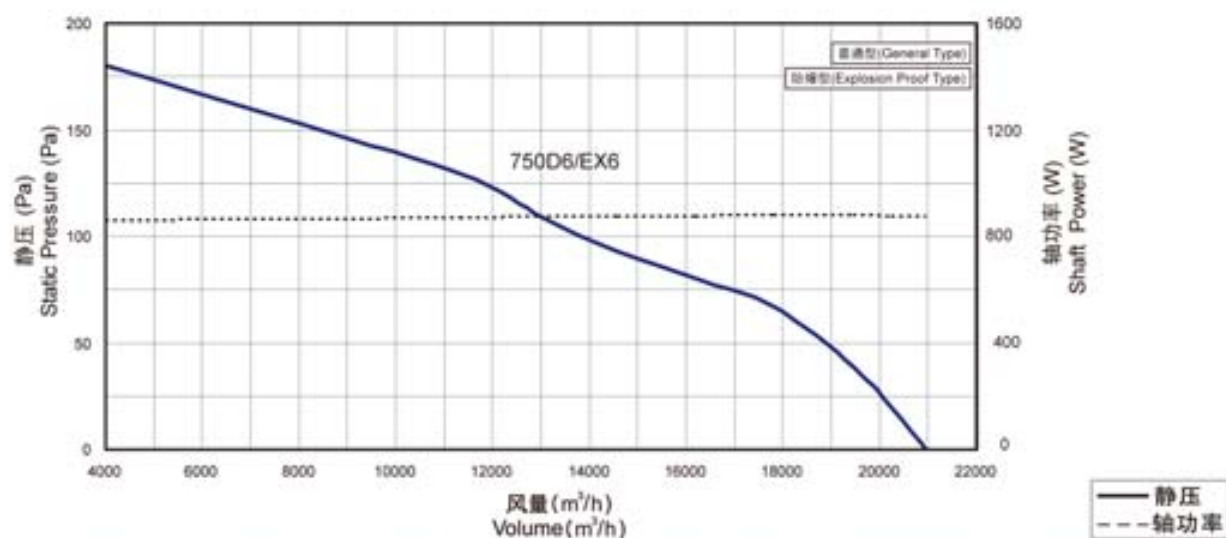
边墙式排风机/送风机 (Sidewall Exhaust/Supply Fan)

边墙防爆排风机/送风机 (Sidewall Explosion proof Exhaust/Supply Fan)



型号	电压	频率	电流	电机功率	转速	噪音
MODEL	VOLT	HERZ	CURRENT	MOTOR	SPEED	NOISE
	V	Hz	A	W	r/min	dB(A)
WEX/WSP-700D6-0.75	380	50	2.3	750	910	<75
WEX/WSP-700EX6-0.75	380	50	2.3	750	910	<75

750

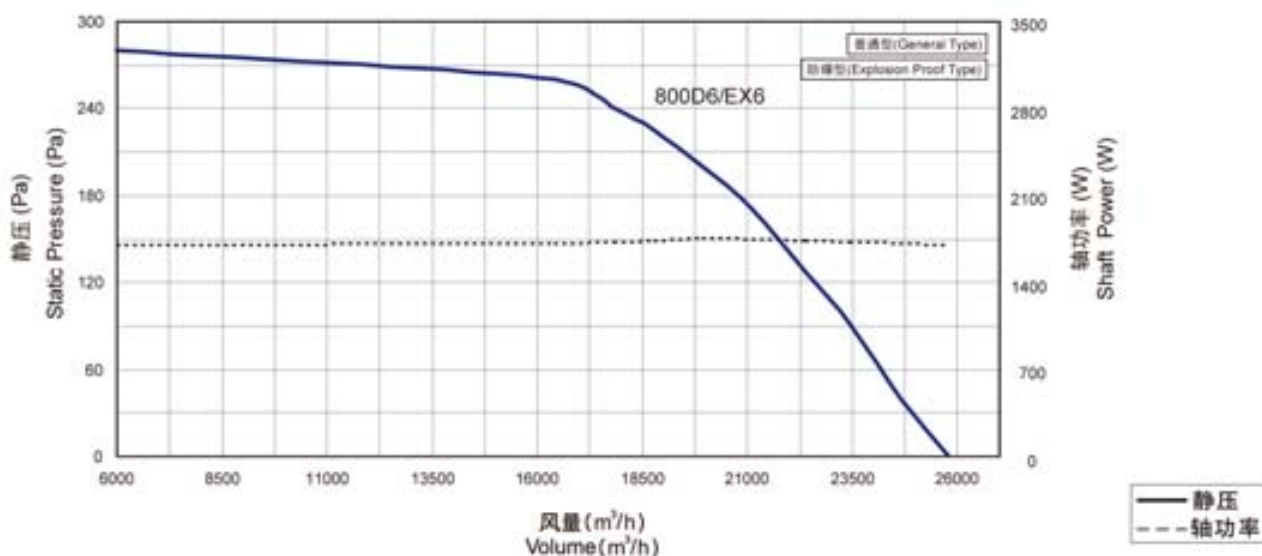


型号	电压	频率	电流	电机功率	转速	噪音
MODEL	VOLT	HERZ	CURRENT	MOTOR	SPEED	NOISE
	V	Hz	A	W	r/min	dB(A)
WEX/WSP-750D6-1.1	380	50	3.2	1100	910	<79
WEX/WSP-750EX6-1.1	380	50	3.2	1100	910	<79

边墙式排风机/送风机 (Sidewall Exhaust/Supply Fan)

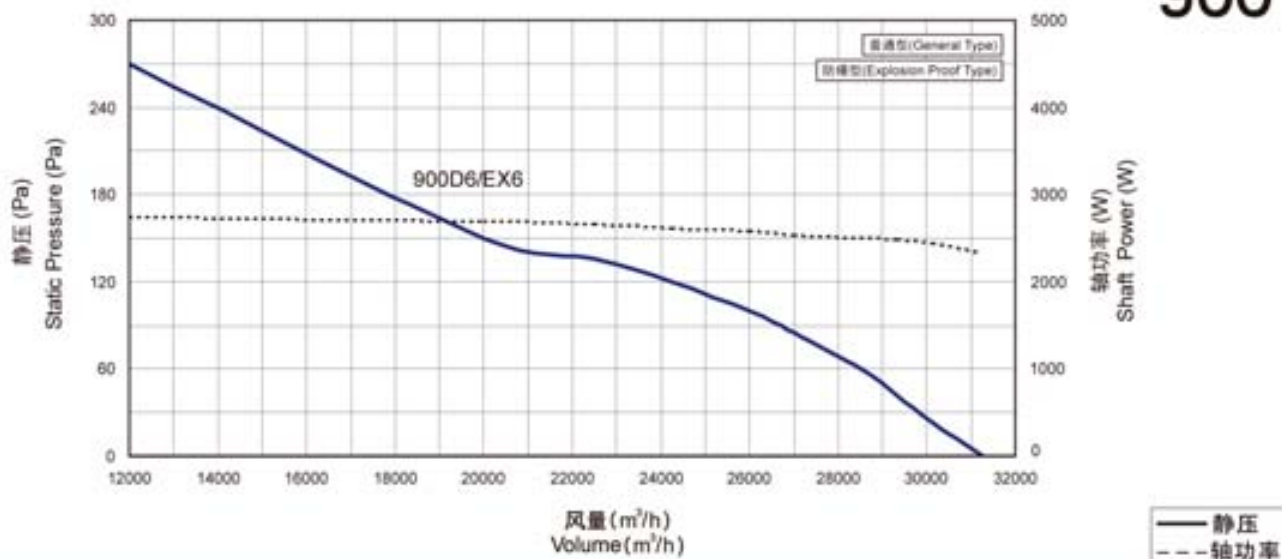
边墙防爆排风机/送风机 (Sidewall Explosion proof Exhaust/Supply Fan)

800



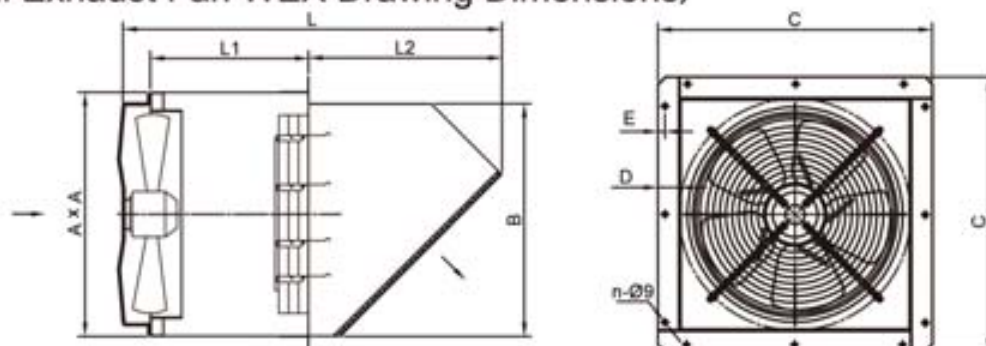
型号	电压	频率	电流	电机功率	转速	噪音
MODEL	VOLT	HERZ	CURRENT	MOTOR	SPEED	NOISE
	V	Hz	A	W	r/min	dB(A)
WEX/WSP-800D6-2.2	380	50	5.6	2200	940	<80
WEX/WSP-800EX6-2.2	380	50	5.6	2200	940	<80

900



型号	电压	频率	电流	电机功率	转速	噪音
MODEL	VOLT	HERZ	CURRENT	MOTOR	SPEED	NOISE
	V	Hz	A	W	r/min	dB(A)
WEX/WSP-900D6-3	380	50	7.3	3000	960	<82
WEX/WSP-900EX6-3	380	50	7.3	3000	960	<82

边墙式排风机WEX外形尺寸 [普通型] (Sidewall Exhaust Fan WEX Drawing Dimensions)



单位: mm

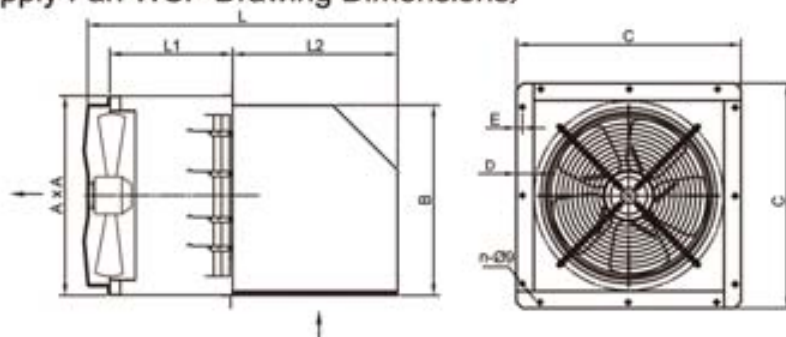
(注*)

型号 Model	A(mm)	L1(mm)	L2(mm)	L(mm)	B(mm)	C(mm)	D(mm)	E(mm)	n	•风机总重量(kg) Fan Weight
WEX-250D4/E4-0.05	320	200	295	540	290	400	40	13	8	16
WEX-300D4/E4-0.09	370	200	330	590	340	450	40	13	12	18
WEX-350D4/E4-0.15	420	220	365	665	390	500	40	13	12	24
WEX-400D4/E4-0.19	470	220	400	710	440	550	40	13	12	27
WEX-450D4/E4-0.24	520	220	435	745	490	600	40	13	12	31
WEX-500D4/E4-0.46	570	220	470	780	540	650	40	13	12	37
WEX-550D4/E4-0.55	620	220	500	820	590	700	40	13	12	40
WEX-600D4-0.83	765	220	600	950	735	865	50	15	20	65
WEX-650D4-2.2	810	595	620	1295	780	910	50	15	20	130
WEX-700D6-0.75	855	510	645	1230	825	955	50	15	20	122
WEX-750D6-1.1	920	550	675	1305	890	1020	50	15	24	135
WEX-800D6-2.2	975	645	715	1455	945	1075	50	15	24	170
WEX-900D6-3	1075	630	760	1490	1045	1175	50	15	24	210

注: 以上风机重量为包括电机及重力止回风阀的整机重量。如不选重力止回风阀, 重量会略有减轻。

The above fan weight is the whole fan weight including motor and gravity back-draft damper. The weight will be less a little if without the damper.

边墙式送风机WSP外形尺寸 [普通型] (Sidewall Supply Fan WSP Drawing Dimensions)



单位: mm

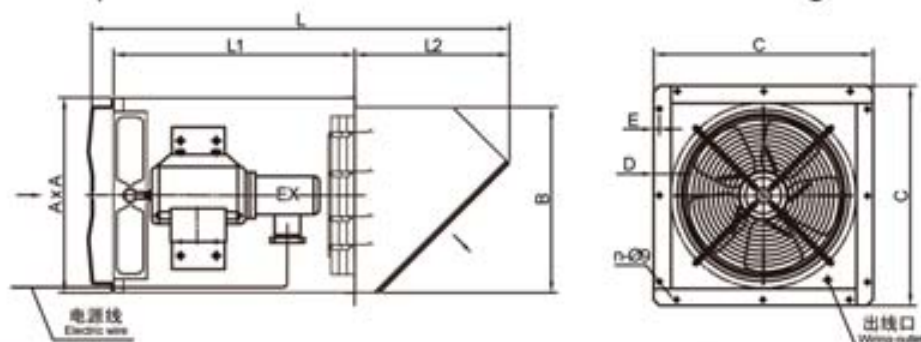
(注*)

型号 Model	A(mm)	L1(mm)	L2(mm)	L(mm)	B(mm)	C(mm)	D(mm)	E(mm)	n	•风机总重量(kg) Fan Weight
WSP-250D4/E4-0.05	320	200	325	570	290	400	40	13	8	17
WSP-300D4/E4-0.09	370	200	365	625	340	450	40	13	12	21
WSP-350D4/E4-0.15	420	240	395	715	390	500	40	13	12	26
WSP-400D4/E4-0.19	470	240	415	745	440	550	40	13	12	30
WSP-450D4/E4-0.24	520	260	465	815	490	600	40	13	12	35
WSP-500D4/E4-0.46	570	260	490	840	540	650	40	13	12	41
WSP-550D4/E4-0.55	620	260	515	875	590	700	40	13	12	45
WSP-600D4-0.83	765	260	615	1010	745	865	50	15	20	93
WSP-650D4-2.2	810	655	615	1345	785	910	50	15	20	145
WSP-700D6-0.75	855	590	625	1290	830	955	50	15	20	138
WSP-750D6-1.1	920	605	625	1305	900	1020	50	15	24	150
WSP-800D6-2.2	975	715	645	1455	955	1075	50	15	24	188
WSP-900D6-3	1075	725	645	1465	1055	1175	50	15	24	238

注: 以上风机重量为包括电机及重力止回风阀的整机重量。如不选重力止回风阀, 重量会略有减轻。

The above fan weight is the whole fan weight including motor and gravity back-draft damper. The weight will be less a little if without the damper.

边墙防爆排风机 WEX-EX 外形尺寸 [防爆型] (Sidewall Explosion Proof Exhaust Fan WEX-EX Drawing Dimensions)



单位: mm

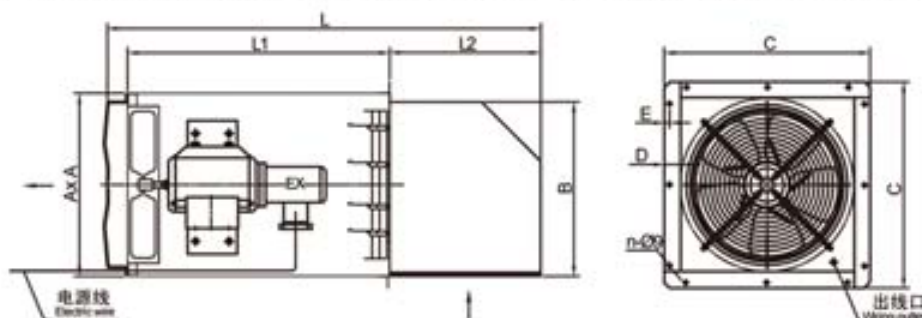
(注*)

型号 Model	A(mm)	L1(mm)	L2(mm)	L(mm)	B(mm)	C(mm)	D(mm)	E(mm)	n	*风机总重量(kg) Fan Weight
WEX-250EX4-0.12	320	465	295	820	290	400	40	13	8	32
WEX-300EX4-0.12	370	465	325	855	340	450	40	13	12	35
WEX-350EX4-0.12	420	465	365	890	390	500	40	13	12	38
WEX-400EX4-0.25	470	505	395	965	440	550	40	13	12	43
WEX-450EX4-0.37	520	505	435	1000	490	600	40	13	12	50
WEX-500EX4-0.55	570	520	470	1050	540	650	40	13	12	65
WEX-550EX4-0.75	620	520	495	1100	590	700	40	13	12	70
WEX-600EX4-1.1	770	490	595	1165	735	865	50	15	20	112
WEX-650EX4-2.2	810	595	620	1295	780	910	50	15	20	140
WEX-700EX6-0.75	855	510	640	1230	825	955	50	15	20	133
WEX-750EX6-1.1	920	550	675	1305	890	1020	50	15	24	145
WEX-800EX6-2.2	975	645	710	1455	945	1075	50	15	24	185
WEX-900EX6-3	1075	630	760	1490	1045	1175	50	15	24	230

注: 以上风机重量为包括电机及重力止回风阀的整机重量。如不选重力止回风阀, 重量会略有减轻。

The above fan weight is the whole fan weight including motor and gravity back-draft damper. The weight will be less a little if without the damper.

边墙防爆送风机 WSP-EX 外形尺寸 [防爆型] (Sidewall Explosion Proof Supply Fan WSP-EX Drawing Dimensions)



单位: mm

(注*)

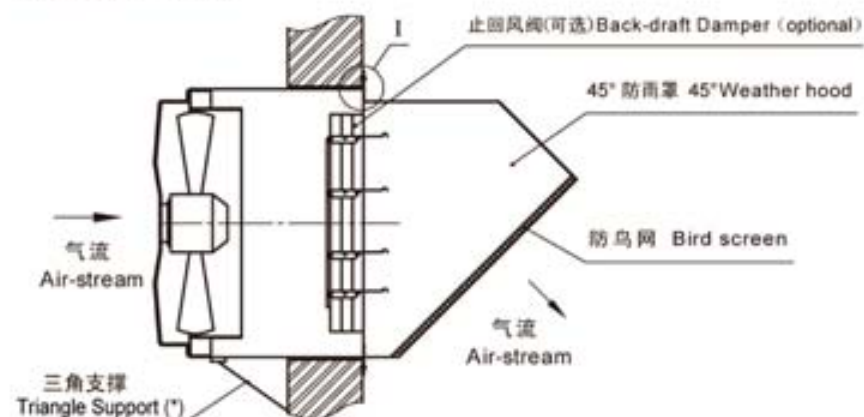
型号 Model	A(mm)	L1(mm)	L2(mm)	L(mm)	B(mm)	C(mm)	D(mm)	E(mm)	n	*风机总重量(kg) Fan Weight
WSP-250EX4-0.12	320	510	325	895	290	400	40	13	8	35
WSP-300EX4-0.12	370	540	365	965	340	450	40	13	12	40
WSP-350EX4-0.12	420	570	395	1025	390	500	40	13	12	45
WSP-400EX4-0.25	470	595	415	1070	440	550	40	13	12	51
WSP-450EX4-0.37	520	595	465	1120	490	600	40	13	12	62
WSP-500EX4-0.55	570	610	490	1165	540	650	40	13	12	78
WSP-550EX4-0.75	620	610	515	1205	590	700	40	13	12	83
WSP-600EX4-1.1	770	575	615	1270	745	865	50	15	20	135
WSP-650EX4-2.2	810	655	615	1345	785	910	50	15	20	155
WSP-700EX6-0.75	855	590	625	1290	830	955	50	15	20	158
WSP-750EX6-1.1	920	605	625	1305	900	1020	50	15	24	160
WSP-800EX6-2.2	975	715	645	1455	955	1075	50	15	24	200
WSP-900EX6-3	1075	725	645	1465	1055	1175	50	15	24	250

注: 以上风机重量为包括电机及重力止回风阀的整机重量。如不选重力止回风阀, 重量会略有减轻。

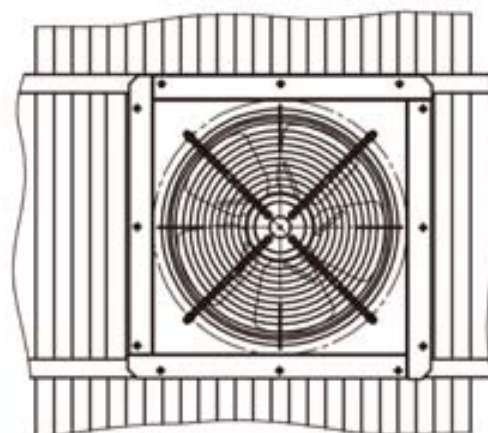
The above fan weight is the whole fan weight including motor and gravity back-draft damper. The weight will be less a little if without the damper.

安装详图

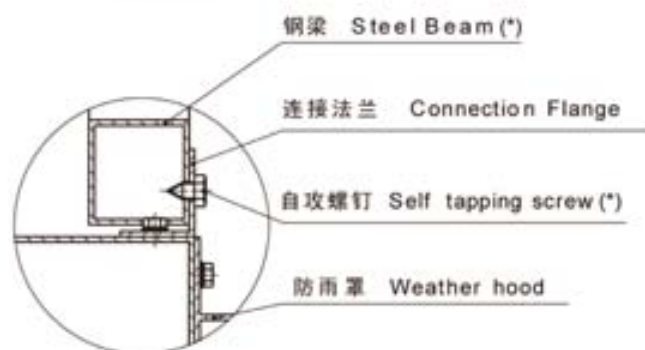
Installation detail



WEX 安装详图
WEX Installation Detail Drawing

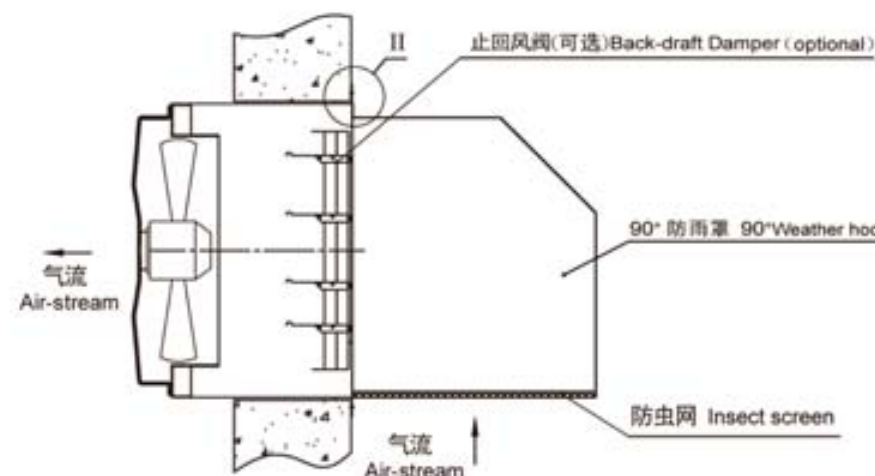


I 放大视图
Enlarged Drawing



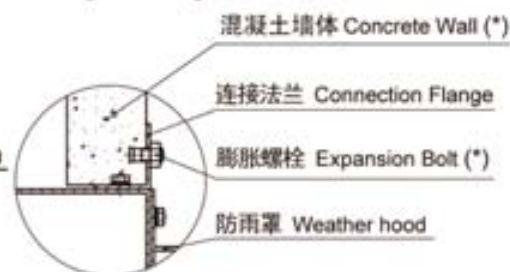
墙面结构留洞尺寸
Wall Opening Size

型号 MODEL	侧墙开洞尺寸(mm) (正方形) Wall Opening Size (mm) (SQUARE)
WEX/WSP-250D4/E4/Ex4	340 × 340
WEX/WSP-300D4/E4/Ex4	390 × 390
WEX/WSP-350D4/E4/Ex4	440 × 440
WEX/WSP-400D4/E4/Ex4	490 × 490
WEX/WSP-450D4/E4/Ex4	540 × 540
WEX/WSP-500D4/E4/Ex4	590 × 590
WEX/WSP-550D4/E4/Ex4	640 × 640
WEX/WSP-600D4/E4/Ex4	790 × 790
WEX/WSP-650D4/E4/Ex4	835 × 835
WEX/WSP-700D6/Ex6	880 × 880
WEX/WSP-750D6/Ex6	945 × 945
WEX/WSP-800D6/Ex6	1000 × 1000
WEX/WSP-900D6/Ex6	1100 × 1100



WSP 安装详图
WSP Installation Detail Drawing

II 放大视图
Enlarged Drawing



注 (*): 由他方提供
Note(*): By others

边墙风机的固定

How to mount the fan

• 混凝土墙或砖墙

建议按照样本推荐的“边墙留洞尺寸”预留安装孔，将风机嵌入后在风机与墙体之间填充发泡剂进行修整找平并防水。

Concrete wall or brick wall

The installation hole shall be prepared according to "wall opening size" of the catalogue, and calked by foamed polyester to be watertight.

• 压型彩钢板墙面

建议在开洞部位根据开洞尺寸设置上下两道过梁和立柱，在其间嵌入风机，并且在风机与墙体之间填充发泡剂修整找平并防水，也可根据实际情况采用三角型支撑架或丝杆吊装。

Pre-fabricated color steel plate wall

Two horizontal beams and two vertical columns shall be equipped around the wall opening, and calked by foamed polyester to be water tight. According to jobsite situation, triangle support or threaded hanging rods are also acceptable.

• 安装指导说明

建议在安装时，室内侧高度要略大于室外侧，避免因现场密封不佳而导致的雨水回流情况发生。

Installation recommendation

The height of indoor should be slightly higher than that of outdoor side to avoid leaking due to poor seal.

英飞产品标准

Specification

第一节：风机类型：

边墙轴流式送/排风机应采用钢制或铝制前掠式叶片，叶片应使用加强筋，增加强度，降低叶片末端振动。叶片与电机应整体通过静态和动态平衡，达到国际标准 <AMCA (204-1996)> 规定的 G2.5 水平。

Section 1: Fan Type

Sidewall axial flow supply / exhaust fan shall be forward sweeping steel or aluminum blades. Blade shall use strengthened rib, enhance intensity, reduce blade end vibration. The blades and motor shall be statically and dynamically balanced after integrated, and meet the requirement of <AMCA (204-1996)> Level G2.5.

第二节：风机外壳

风机外壳应为镀锌钢板（选项：冷轧钢板，并且表面做静电环氧喷涂）制成，方型结构。电机支撑结构应坚固并避免风机运转时产生共振。在室内一侧应装有防护网以保护工作人员人身安全。

Section 2: Fan housing

Fan housing shall be made of galvanized steel (option: cold rolled panel with statically epoxy powder coating) in square shape, motor supporting structure shall be solid to prevent resonance during operation. Safe guard shall be installed in the room to protect staff's personal security.

第三节：防爆结构 [可选项]

防爆边墙风机250~550型号应为铝制叶轮，铝制导流圈；600~900型号应为钢制叶轮，铝制导流圈；电机采用防爆电机，普通防爆级别为ExdIICT4，复合防爆级别为ExdIIBT4。由于风机的叶轮或导流圈为铝制，即非黑色金属，风机的防爆等级均达到 AMCA-99 规定的 Spark C 级别。

Section 3: Explosion resistant structure [optional]

Explosion resistant sidewall fan : type (size: 250~550) is aluminum wheel, inlet venturi is per aluminum. type (size: 600~900) is steel wheel, inlet venturi is aluminum; Motor is explosion resistant, the general explosion resistant class is ExdIICT4 and the dust explosion resistant class is ExdIIBT4. As the wheel or inlet venturi is aluminum as non-ferrous metal, the explosion resistant class of fan is Spark C as per AMCA standard.

第四节：电机

外转子电机防护等级应达到IP44，内转子电机防护等级 应达到IP54，绝缘等级F级，电机应置于气流之内，以便得到充分冷却。电机接线位置由客户要求而定，拖出线长度至少半米。

Section 4: Motor

External rotor motor shall be IP44, internal rotor motor shall be IP54, insulation class F, Motor shall be inside the airstream for cooling. The wiring location of motor depends on customer and the length of outer wiring will be at least half a meter.

第五节：标牌

永久固定的铝制标牌上应标有清晰可辨的风机编号，型号和产品序列号（即每台机器的唯一身份证明），从而可保证客户方便地查询配件的历史记录。

Section 5: Nameplate: Permanently fixed aluminum nameplate shall be fixed on fan body clearly display fan mark, product model and serial number. The serial number shall be a unique ID for each fan, so that the customer can use this number to find out the parts used to build the fan.

第六节：可接受供货商

可接受供货商：英飞或类似产品。设计基于英飞WEX 或 WSP型号。

Section 6: Acceptable manufacturers

Acceptable manufacturers: **INFINAIR®** or equivalent. Design based on **INFINAIR®** model WEX / WSP.

安装现场

Typical installation



USGBC: 美国绿色建筑委员会简介

Introduction of United States Green Building Committee

1. 什么是USGBC?

USGBC全称为美国绿色建筑委员会（The U.S. Green Building Council），全美国唯一一个在环保建筑方面代表整个建筑行业的非营利性（NPO）机构。其会员都是来自于行业中各种类型公司的领袖企业。其宗旨是整合建筑业各机构、推动绿色建筑和建筑的可持续发展、引导绿色建筑的市场机制、推广并教育建筑业主、建筑师、建造师的绿色实践。

What is USGBC?

USGBC is widely known as the United States Green Building Council, the only non-profit (NPO) institution on behalf of the environmental protection construction in the whole construction industry. Its members are made up of leading enterprises from various sectors. Its purpose is to integrate the construction industry agencies, promote sustainable development of green building and construction, guide market mechanism of green building, promote and educate building owners, architects green practice.

2. 什么是LEED认证?

美国绿色建筑委员会 (USGBC) 在1995年建立了一套自愿性的国家标准LEED (Leadership in Energy and Environmental Design——领导型的能源与环境设计), 该体系用于开发高性能的可持续性建筑, 进行绿色建筑的评级。整个项目包括培训、专业人员认可、提供资源支持和进行建筑性能的第三方认证等多方面的内容。

What is LEED certificate?

United States Green Building Committee (USGBC) established a set of voluntary national standards LEED (Leadership in Energy and Environmental Design) in 1995. The system is applied to develop sustainable construction of high performance for green building ratings. The entire project includes training, professional recognition, resources support, the third-party certification of construction performance.

3. LEED认证价值

LEED属于第三方认证, 在技术和管理上保持高度的权威性: LEED认证体系是根据如ASHRAE (美国采暖空调工程师学会) 标准的深入定量分析, 使建筑的设计和制作过程更趋于可控化、可实践性; 并能提高绿色建筑在当地市场的声誉及取得优质的物业估值, 从而推动市场转型, 形成良性循环。

Certification Value of LEED

LEED is a rating system certified by third party, maintaining a high degree of authority on technology and management. LEED certification system is a kind of indepth quantitative analysis based on such as ASHRAE (American Society of Heating Air Conditioning Engineers) standard, which makes design and construction production process tend to be more controllable and practical. That increases green buildings' reputation in the local market and gain excellent valuation of property quality, thus promoting market transition and forming a virtuous circle.

LEED评估体系

所有的子系统的评估指标均有对室内环境空气质量的评分要求。英飞作为USGBC的会员, 我们生产的通风设备, 可以更优质高效地解决室内空气通风问题。提升空气质量, 并为客户提供整体的室内空气质量提升解决方案, 帮助客户获得更高的评估得分, 顺利通过LEED认证。

LEED evaluation system

All evaluation indicators in subsystems of LEED have requirements on assessment of air quality indoors. As a member of USGBC, our ventilation equipments provide better solution to the problem of air ventilation indoors. INFINAIR promises you the followings: Improve air quality, provide the overall indoor air quality enhancing solutions, and help customers get a higher assessment scores and successfully pass LEED certification.



英飞文丘里选型软件可以帮助您:

- ✓ 提供详细的数据: 包括外形尺寸图、曲线、噪声, 形成技术参数汇总表;
- ✓ 提供精确的数据, 例如海拔和温度的修正;
- ✓ 跨型号的参数比较和优化;
- ✓ 精确选择电机和附件;
- ✓ 提供设备技术规范;

如果需要, 请联系我们当地的办事处。

INFINAIR VENTURI model selection software may help you in the following area:

- ✓ Provide concrete data including dimensional drawing, performance curve and noise, etc.
- ✓ Provide precise data, such as sea level and temperature adjustment.
- ✓ Cross model parameter comparison and optimization.
- ✓ Select motor and accessories accurately.
- ✓ Offer technical specification.

Please contact our local agency if necessary.

产品保修条款

上海诺地乐通用设备制造有限公司承诺针对本公司生产的“**INFINAIR®**”品牌产品, 进行自出厂日期起为期壹拾捌个月的质量保证。如在质保期内因制造质量问题发生损坏或不能正常工作时, 我公司将免费为用户修理或更换零件(并不包括皮带、过滤器等易损件或消耗品), 除此之外本公司并不承担其他任何费用和损失。

限制和免除责任条款

● 本保修条款不包括由下列原因导致的维修或更换:

(1) 产品运行实际工况偏离合同约定条件(包括但不限于温度、腐蚀性、气体成份、电源、系统阻力等); (2) 产品维护不当、现场事故、未进行过热保护或长期反向运转等严重违反《安装操作维护手册规定》造成的设备损坏; (3) 未经许可的产品拆解后再组装或改造; (4) 序列号被更改、被去除或不正确; (5) 现场安装过程导致的设备损坏; (6) 买方不按照使用说明正当使用或人为因素导致设备损坏的。

Warranty

Shanghai Nautilus General Equipment Manufacturing Co., Ltd warrants the **INFINAIR®** brand products that we produce for a period of eighteen months since the ex-factory date. Should there be any problem about the product manufacturing quality occurs damaged or not working during the guarantee period, you are authorized to demand for free servicing or replacing the damaged components (vulnerable components such as belt, filter, etc. are not included); We don't bear any other costs or losses.

Limitations and exclusions

● The warranty doesn't include maintenance or replacement caused by the following reasons:

(1) The running conditions of the product deviate from what is defined in the contract (include, but are not limited to temperature, corrosion, contaminants, power supply, system resistance, etc.); (2) Damages caused by improper maintenance, on-site accidents, lack of over-heat protection equipment or long term reversed rotation which severely violate the specifications in the Installation, Operation and Maintenance manual; (3) Unauthorized disassembly and then reorganization or alteration to the product; (4) The serial number of the product has been altered, removed or is incorrect; (5) Damages caused by installation process on-site; (6) Damages caused by the buyer not following the right instructions or human factors.



提供最可靠、便利的空气运动与控制、调节服务。

To provide the most reliable and user-friendly air movement & control and air conditioning service.

本公司保留更改样本的权利，恕不另行通知。Due to continuing research, Shanghai Nautilus reserves the right to change specifications without notice.

上海诺地乐通用设备制造有限公司

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