

## Brick Portable Fans

### Exciting Innovations

#### Two Segment Structure

Original and Initial Technology!  
Independent upper part and lower part structures  
The lower part is bearing structure  
The upper part is only protective grille.  
Upper part can be easily assembled on site.

#### Ladder shaped Flank Grille

Original and Initial Technology!  
Flank grille of the upper part is designed to ladder shape.  
Stack the upper grilles in transit,  
Save freight cost and space of container

#### Lower parts stack in container

Two units of lower parts allow to be stacked inside HQ container in export transit.  
The quantity delivered be doubled.  
Freight saving.

#### C Type Blade and B Type Blade

Initial launch two type blade,  
C type blade ( concentrated airflow ) focus on the application of narrow and long corridor, air stream reach is over 25 meters.  
B type blade ( broad airflow) focus on the application of open and wise area,  
The angle of its extended reach is 120° in front.

**The architecture overall looks simple, transparent and beauty.**

**Import in parts can simplify testing and application process.**

#### Spec./Model/Param/Confi.

Items	Detail Descriptions
Portable Fans with C type Blade Model: BRK-CPT1.1/D6.5, -/D8	Jet stream reach: over 25 m Aluminum Blade by punching process
Portable Fans with B type Blade Model: BRK-BPT1.1/D6.5, -/D8	Angle of jet stream reach: 120° in front <u>Al-Pc Complex Blade</u>
Diameters: mm	2000 mm/-D6.5 / 2500mm/-D8
Max. rpm	240 / 220
Air circulating: m <sup>3</sup> /m	1420 2000
PMSM motor	0.75 kw / BLDC motor, BRK custom-made
Power parameters	220V/1P, 50-60 Hz
Control Panel	BRK custom-made VFD, stepless speed regulation
Hub	Steel plate by punching process
Protective Grille	Mesh norms comply with International Safety Standard
Framework Color	Bright Yellow: Pantone 11-0601 TPX
Protective Grille	White: Pantone 3514 C

Two Segments structure

Ladder shape Flank Grille



Lower part bear power and control parts



Blades and upper protective grille can be assembled on site.

Ladder shape flank grille



## Original and Initial Technology!

### Al-Pc Complex Blade and Blade Interconnect Grille for HVLS Fans!

#### Superiorities of Al-Pc Complex Blade

- Plastic material needs lower melting temperature in extruding process, consume less energy.
- reduce 40% in weight compare to aluminum blade, save driven power, cut down skeleton load and minimize metal fatigue, prolong service life.
- Two materials compose blade, plastic contour and aluminum skeleton, the blade will not resonate. Most of broken blades were caused by metal fatigue at root position.
- No resonance plus lightweight will generate higher rpm, faster ground airflow and larger extend reach by equivalent power.
- Easy clean, no water stain left after water clean.
- blade color optional for long term buyers or large order.
- Blade Interconnect Grille will prevent blade from free fall, which substantially upgrade the Safety and reliability criteria in industry.

Nylon cord of Grille is light and easy to knit, decrease the load and Installation time.

#### Reliability and quality of Al-Pc complex Blade

- Main ingredient of blade contour is polycarbonate (PC), it is an engineering plastic of high performance-price ratio.
- PC is widely applied in mechanical and optics industry since its outstanding features in mechanical, heat-resisting, and anti-aging. such as glass window on aircraft, gear and crank axle on machine etc.
- Service life of PC is over ten years in interior application.
- The skeleton undertakes strength and rigidity of blade on radial. it made of extrude aluminum, exactly same with aluminum blade. Compared with the latter, Curve down phenomenon on blade will ease in years application as skeleton bear less load, cantilever load also declined. Working condition of skeleton is better than aluminum blade
- The blade strength of transverse section partly be undertaken by PC, 4 vertical stiffeners in inner cavity are set to ensure the contour no twisted, deformed or broken.
- Durability and reliability of Al-Pc Complex blade is superior to aluminum blade.

#### Brief Introduction to Brick

- First branded OEM manufacturer in industry, dedicated to R&D and manufacturing.
- Distributor and agent focus on site service, backed by Brick.
- Brick mission is to promote new technology and products, upgrade safety and reliability criteria substantially.
- Technologies such as Al-Pc Complex Blade + Blade Interconnect Grille + bilayer Motor rack + Skeleton Interconnect Ring for HVLS Ceiling Fans, and Segment Structure + Ladder Shaped Flank Grille for portable fans etc. they are all originally and initially invented by Brick, which innovatively improve or substantially resolve the existing problems, related to safety and reliability.
- Initially launch Concentrated or Broad Airflow Blade on portable and Pivot Fans
- Initially launch Dock Fans of jet stream for long trailer, first supplier in industry to focus on improvement of muggy environment inside container.
- All those innovative technologies have applied patents.

## Distributor Information

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#### Other innovative products



**HVLS Fans by Gear motor**



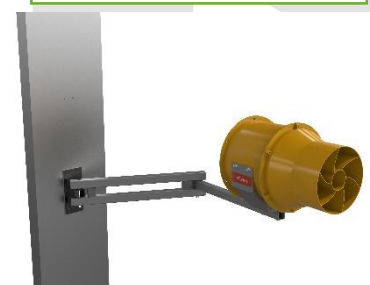
**HVLS Fans by PMSM Motor**



**Pivot Fans**



**Comm. Ceiling Fans**



**Dock Fans**