



## INSTRUCTIONAL MANUAL



### (PMSM) Mobile DRUM FAN

Please read this manual prior to initial use and keep it for future reference.

\*Thank you very much for purchasing our industrial grade (permanent magnet) mobile ventilation fan.

\*Please read the instruction manual carefully before using this product and keep it properly.

Thank you for choosing iwata industrial grade (permanent magnet) mobile ventilation fan, this product is designed for different places high space a special ventilation fan, low speed, large air volume characteristics, perfect to solve the problem of ventilation and cooling of different places space, dehumidification and mildew, smooth fresh air, continuous oxygen supply, bring you every health!

Please be sure to read the following carefully and follow the instructions in this book before using the product:

- 1、 When the motor of this product is started with permanent magnet drive (ordinary motor three-speed adjustment), slow or left and right swaying is normal, avoid windward start ;
- 2、 This product uses the first turn on the power switch, when the speed regulation air volume display (ordinary motor no display only three speeds), the right knob can increase the air volume, and the left knob can reduce the air volume until it is turned off ;
- 3、 The shell of this product is made of reinforced PP material, which has higher strength and flexibility, and should not be used near fire sources and high temperature places ;

- 4、 This product has no waterproof function, avoid water and rain when using outdoors ;
- 5、 This product should be used with caution in hazardous environments with steam, dust, or corrosive gases ;
- 6、 Please ensure that the power switch is in a cut-off state before maintenance and repair of this product。

### **Application Area**

Manufacturing: textile industry, machinery manufacturing, ceramic manufacturing, fine chemicals, metallurgical hardware, etc ;

Processing industry: electroplating, electronics, shoe and clothing, printing and dyeing printing, injection molding, packaged food, etc.;

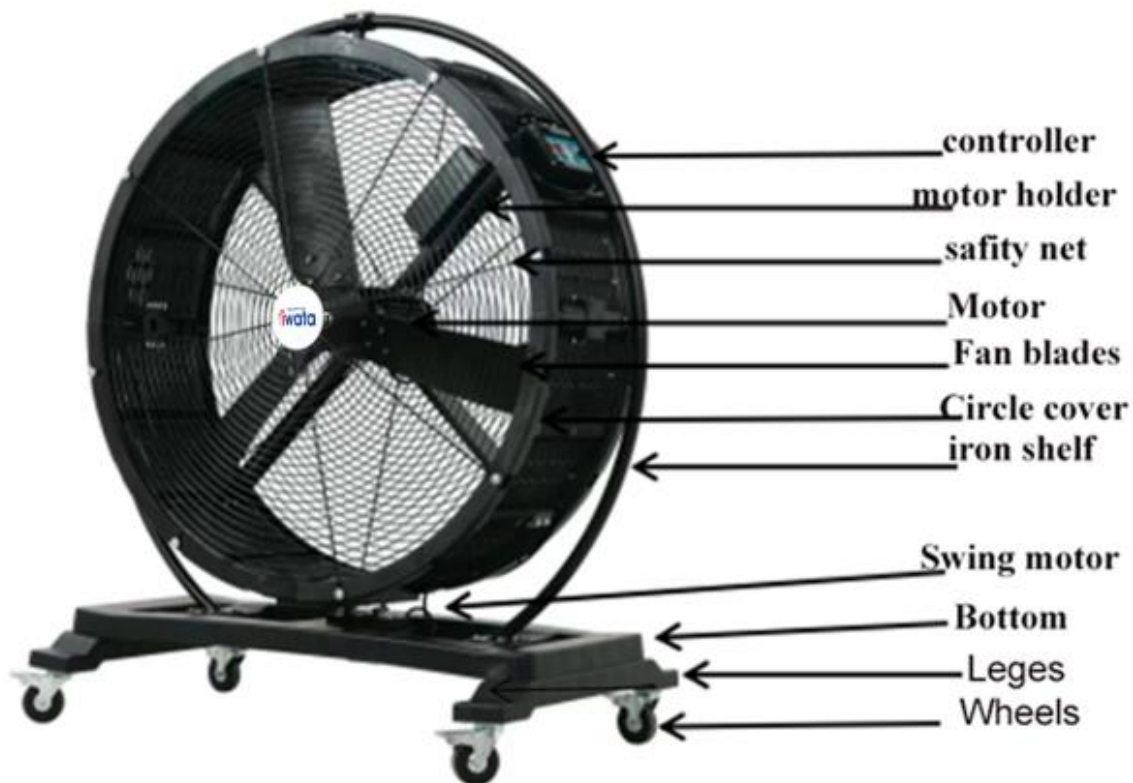
Other industries: animal husbandry, flower greenhouses, gyms, sports fields, schools, station dock waiting rooms

Wet markets, hospitals, waiting rooms, large entertainment centers, outdoor activity venues, night markets, barbecue venues, etc.

## Product Technical Parameters

Notice: Product data is for reference only, if there is any error or change, the

| Model No.             | HVLS<br>DRUM 28  | HVLS<br>DRUM 32  | HVLS<br>DRUM 36  | HVLS<br>DRUM 28S | HVLS<br>DRUM 32S | HVLS<br>DRUM 36S |
|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Voltage (V)           | 230              | 230              | 230              | 230              | 230              | 230              |
| Frequency (Hz)        | 60               | 60               | 60               | 60               | 60               | 60               |
| Current (A)           | 2.5              | 3.2              | 3.95             | 2.5              | 3.2              | 3.95             |
| Power (W)             | 320              | 420              | 500              | 320              | 420              | 500              |
| Fast (RPM)            | 900              | 900              | 700              | 900              | 900              | 700              |
| Airflow(m3/h)         | 12000            | 18000            | 22000            | 12000            | 18000            | 22000            |
| Noise (dB)            | 50               | 55               | 45               | 50               | 55               | 45               |
| Material              | PP               | PP               | PP               | PP               | PP               | PP               |
| Motor Type            | PMSM<br>15speeds | PMSM<br>15speeds | PMSM<br>15speeds | PMSM<br>15speeds | PMSM<br>15speeds | PMSM<br>15speeds |
| Fan Blades<br>size(m) | 0.64             | 0.74             | 0.84             | 0.64             | 0.74             | 0.84             |



### **Pay attention to safety precautions**

To reduce fire, electric shock, and injury to personnel, observes the following:

- 1、 Except for licensed electrical professionals, the rest shall not repair this equipment without authorization;
- 2、 Please check whether the voltage and frequency used are consistent with the parameters of the product nameplate before use;
- 3、 When this equipment is used, it must be reliably grounded, connected to the zero device, and checked regularly in accordance with the standard;
- 4、 When the equipment moves, the power must be cut off first, and after the wind blades completely stop working, it will remain stable during the movement, and after

placing the horizontal ground, the four wheels will brake tightly;

5、 It is forbidden to hang wet clothes on this equipment to dry them, which is prone to potential safety hazards such as electricity leakage ;

6、 Do not insert hard objects, fingers or other objects into the fan protection net, and do not let children get close or close to blow air;

7、 Do not use in exhaust pipes with high temperatures or corrosive gases ;

8、 If the parts must be assembled in accordance with the prescribed method, if you have any questions, please contact the manufacturer。

### **Installation and use**

1、 After unpacking, mount the wheels on the feet separately and then secure the feet to the bottom plate ;

2、 After the power supply is connected correctly, press the power switch, rotate the speed control switch and adjust the wind speed gear clockwise ;

3、 Different models have a similar operation mode, adjusting up and down to manual, and swinging left and right only on the button surface。

### **For after-sales service:**

Berton's Place #46 Sta. Rosa Street Barangay Manresa Quezon City

Tel Nos. 8282-5049; 8282-5098 Mobile Nos. : 0908-8908597; 0917-3079188

Email: sales\_mktg@colentco.com/iwata@colentco.com \*Website: www.colentco.com