

**DAIHAN-brand® Premium Magnetic Stirrer, “MS-A”, 180×180mm Ceramic-Coated Plate, with Certi. & Traceability with PWM Control System, Precise Speed Control, Ceramic Coated Al-Plate, up to 1,500 rpm, Max. 20 Lit.**



Premium Magnetic Stirrer with Stir Bar “MS-20A”

- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Ceramic Coated Plate-Chemical/Acid Resistance
- CE Certified
- PL(Product Liability) Insurance

- \* Ideal for Heat-sensitive Procedures such as Microbiology and Biochemistry Applications
- \* Mixing for Chemical, Laboratory, Pharmaceutical Materials
- \* Superior Linearity for the Control of Stirring Speed by Specially Designed Control Circuitry (PWM Control)
- \* Smart Design of Body : Made by Aluminum Die-Casting
- \* Powerful Motor for Stirring Quantities of up to 20Lit. (Water)
- \* Ceramic Coated Plate-Chemical/Acid Resistance
- \* Free Voltage (AC 80V ~ 240V, 50 / 60Hz) by SMPS
- \* Included 1ea 3cm Magnetic Stirrer Bar

**Specification**

Model	180×180mm Plate-type “MS-20A”
Plate Size (mm)	180×180
Stirring Capacity (HzO)	Max. 20Lit.
Speed Range	Max. 1,500 rpm
Motor Rating	9 / 4 W
Controller	Superior Linearity PWM Controller
Stirring Bar	3cm bar-included, Usable : up to 5cm bar
Permissible Ambient Temperature	Ambient +5 ~ 50℃
Permissible Relative Moisture	85%
Material	Plate
	Body
Dimension (w×d×h) (mm)	206×307×99
Weight (kg)	3.1 kg
Others	CE Certified PL(Product Liability) Insurance
Packing Size (w×d×h) (mm) & Gross Weight	400×280×200
	5 kg
Power Consumption	10 W
Power Supply & Cord/Plug*	Free Voltage (1 Phase, AC 80 ~ 240 V, 50 / 60 Hz)

\* Other Specifications are available upon Customer's Request.

**Ordering Information**

- DH.WMS03122 Magnetic Stirrer, 180×180mm, 230V, “MS-20A”, with stir bar  
 DH.WMS02122 , 120V, “MS-20A”, with stir bar

**Optional Accessories**

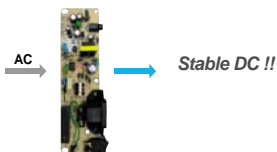
- DH.WHP503036 (1) Stand Rod, “RD200”, Stainless steel, screw,  $\phi$  12×L450mm, for “HP-20A/20D”, “MSH-20A/20D”, and “SMHS”  
 DH.WHP503012 (2) Holder / Clamp / Clip, “CL220”, for Temp. Probe



**Specialized Features**

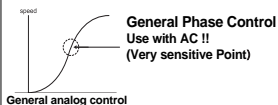
**Long Life Power & Mechanism!**

SMPS (Switching Mode Power Supply)  
 Use with Safety & Regular DC !!



SSR (Solid State Relay)-Non Contact  
 No Electronic Harm!  
 Realize **Long Life Cycle!**

**High Stability in Very Low & High-speed**



PWM Control  
 Use with DC !!  
 (Super linearity)

DAIHAN Realize **Stable & Easy to Use!**