



# HANDHELD HOMOGENIZER

## LD-LHHH-A10

Handheld Homogenizer LD-LHHH-A10 is a high shear, ultra-fine, dispersing emulsifier (homogenizer) driven by a high-speed imported motor, suitable for a variety of applications across bio-pharma, tissue culture, food processing, and other industries. It offers quick and easy to connect and detach SS316 stainless steel dispersing head for various capacity. The drive host adopts high quality engineering plastics and die-cast aluminium alloy as the body and the operation state is stable. The working head is made of high-quality stainless steel. The safe controlling and adjustment of running speed to modify the experiment at any time as needed ensures effective operation of the experiment.

## Features :

- ❑ Easy to disassemble high speed drive motor
- ❑ Modular structure of the whole machine, efficient and easy operation
- ❑ Easy to clean (sterilize) connect and detach working head, several options available for head
- ❑ User can select stirring (working) head as per application (working heads are optional)
- ❑ Handheld design, portable and lightweight
- ❑ Speed adjustment range offered is 13000 to 34000 rpm

## Application :

Widely used for mixing and emulsification of low-to-medium, high-viscosity liquids. It also disperses homogeneous particles and disrupts tissue cells in liquid media across laboratories and testing centres. It Serves Range of Applications across biochemistry, biotechnology, tissue culture industry, pharma industry.

## Specifications:

Model	LD-LHHH-A10
Work mode	S1 min (continuous)
Speed control type	Speed dial
Operation Control Method	6 gears
Speed adjustment range	13000 to 34000 rpm
Material of the Operating head	SS 316
Work head fitting specifications	8 / 10 / 12 / 18 / 24G

Permissible ambient temperature	Not more than 40°C
Permissible relative humidity	Not more than 80 %
Input power	710 W
Output power	430 W
Rated electric current	3.4 A
Rated torque	12.1 N.cm
Voltage	AC 220 V, 50/60 Hz
Overall dimension	215 × 310 × 720 mm
Weight	5.5 kg

## Work Head (stirring) Parameter Table :

Work head specifications	8G	10G	12G	18G	24G
Mixing capacity (H2O)	15 to 50 ml	20 to 100 ml	30 to 800 ml	50 to 1500 ml	80 to 5000 ml
Maximum viscosity tolerated	1000 mpa.s	1000 mpa.s	1000 mpa.s	2000 mpa.s	5000 mpa.s
Peak linear speed of the rotor	10 m/s	11 m/s	12 m/s	15 m/s	24 m/s
Minimum height of the liquid immersed	15 mm	25 mm	35 mm	45 mm	50 mm
Maximum height of the liquid immersed	105 mm	130 mm	150 mm	160 mm	165 mm
Stator diameter	8 mm	10 mm	12 mm	18 mm	24 mm
Work head length	156 mm	182 mm	215 mm	222 mm	225 mm
Max temperature tolerated	120°C				
Work head material	SS316				
Bearing material	PTFE				