

HANDHELD HOMOGENIZER

LHHH-A11



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Handheld Homogenizer LHHH-A11 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. With advanced technology, it offers the safe controlling and adjustment of running speed of operation to modify the experiment at any time as needed. The working head is made of high-quality SS316 stainless steel, unique structure ensures the rotor head in the motor drive at high speed with high speed, resulting in a strong liquid shear force and severe high-frequency mechanical effects, to promote the experimental material under the action of great centrifugal force.

FEATURES

- ▷ Safe controlling and adjustment of running speed of operation
- ▷ Modular structure of the whole machine, efficient and easy operation
- ▷ Drive host adopted high-quality engineering plastics and die-cast aluminum alloy as the body
- ▷ Easy to clean (sterilize) connect and detach the working head, several options available for head
- ▷ Users can select stirring (working) head as per application (working heads are optional)
- ▷ Handheld design, portable and lightweight
- ▷ The speed adjustment range offered is 5000 to 35000 rpm

APPLICATIONS

Widely used for mixing and emulsification, homogenization, dispersion of low-to-medium, high-viscosity liquids & another type of materials. It finds a range of applications across bio-pharmaceutical, genetic research, tissue fragmentation, cytoplasm, pathological analysis, dairy homogeneity, polymerization, and other experimental division.

SPECIFICATIONS

Model no.	LHHH-A11
Work mode	S1 min (continuous)
Speed control type	Speed dial
Operation Control Method	6 gears
Speed adjustment range	5000 to 35000 rpm
Material of the Operating head	SS 316
Work head (stirring) specification	6G
Work head (stirring) specification Optional	8G / 10G
Stirring head material	AISI 316
Permissible ambient temperature	Not more than 40°C
Permissible relative humidity	Not more than 80 %
Input power	145 W
Output power	110 W
Rated torque	3.1 N.cm
Peak torque of the stirring head	3.0 N.cm
Voltage	AC 220 V, 50/60 Hz
Homogenizer dimension	380 × 80 × 50 mm
Weight	1.0 kg

WORK HEAD (STIRRING) PARAMETER TABLE

Work head specifications	6G	8G	10G
Mixing capacity (H2O)	0.2 to 10 ml	1 to 60 ml	30 to 350 ml
Maximum viscosity tolerated	100 mpa.s	100 mpa.s	200 mpa.s
Peak linear speed of the rotor	8 m/s	10 m/s	13 m/s
Minimum height of the liquid immersed	12 mm	15 mm	20 mm
Maximum height of the liquid immersed	60 mm	85 mm	110 mm
Stator diameter	6 mm	8 mm	10 mm
Max temperature tolerated	120°C		
Work head material	SS316		
Bearing material	PTFE		