



Tabletop Equipments

Hotplate Stirrer
Vortex Mixer
Overhead Stirrer
Homogenizer

25 ~ 400 °C

80 ~ 1,500 rpm

DIGITAL

JSHS-18D

Hotplate Magnetic Stirrer



Digital Fuzzy Control

Temperature control from 25 °C to 400 °C
by 0.1 °C resolution within +/- 3.0 °C accuracy
Stirring Speed from 80 rpm to 1,500 rpm
Digital Timer from 1 min to 99 hour 59 min



Touch Button

Touch-sensitive Capacitive Button compatible
to all kind of latex gloves as well as finger touch



Jog Dial

Easy-to-use Jog Dial for quick and convenient
setting of temperature, stirring speed and timer
Push to Run, Stop and Save Set Values



Hi-Fidelity LCD

High-fidelity clear back light LCD displays
complete operating conditions at a glance
Easy to monitoring set values,
and operating status



External Sensor

Connected to External Temperature Probe
for precise temperature control of sample
within +/- 3.0 °C accuracy



Ceramic Hot Plate

Chemical and scratch resistant ceramic coated
aluminum top plate



Brushless Motor

Brushless shade motor for powerful, steady
feedback speed control and long shelf life

#JSHS-18D Digital Hotplate Magnetic Stirrer

Technical Data

JSHS-18D

Plate Dimensions
Overall Dimensions

W180 x D180 mm
W180 x D330 x H110 mm

Temperature

Range +25.0 °C to +400 °C
Accuracy +/- 0.3 °C at +200 °C (/w External Temperature Probe)
Setting Resolution 0.1 °C

Speed

Range 80 to 1500 rpm
Setting Resolution 5 rpm

Timer

1 min to 99 hr 59 min

Control

Digital Fuzzy Control with Capacitive Touch Button and Jog Dial
Full Size Digital Back Light LCD Display
Independent ON/OFF Switch

Temp. Sensor

Built-in Hot Plate Embedded CA Type Sensor
External Temperature Probe CA Type Sensor [Option]

Motor

Brushless Shade Motor

Safety

Over Temp. / Over Current Cut-Off

Materials

Heating Plate Aluminum with ceramic coating
Body Aluminum casting with epoxy powder coating
Base Engineering Plastic

Heater Capacity

620 Watt

Power Rating

3.0 amps

Electrical Requirement

230VAC, 50/60Hz, 1-Phase

Ordering Information

Art. No.

Descriptions

JSHS-18D

Digital Hotplate Magnetic Stirrer 230 VAC 50/60 Hz

Optional Accessories

PHE-01T

External Temperature Probe, CA, Stainless Steel

PHE-02F

External Temperature Probe, CA, Teflon

PHE-03S

Stand Rod, Stainless Steel

PHE-04H

SET of Temperature Probe Holder, Clamp, Wire Clip



400 °C
1,500 rpm

ANALOG
JSHS-18A

Hotplate Magnetic Stirrer



Analog Control

Easy-to-use

PWM Heating Control Temperature up to 400 °C
Stepless Stirring Speed Control up to 1,500 rpm



Ceramic Hot Plate

Chemical and scratch resistant ceramic coated aluminum top plate



Brushless Motor

Brushless shade motor for steady speed control and long shelf life



Aluminum Casting Body

Rugged aluminum casting body with epoxy powder coating and durable and rust free engineering plastic base enclosure assembly guarantee long service life



Functional Design

Low profile and spill trough design of main body provide safe use and channels spills away from electronics and controls to protect unit.

#JSHS-18A Analog Hotplate Magnetic Stirrer

Technical Data



JSHS-18A

Plate Dimensions

W180 x D180 mm

Overall Dimensions

W180 x D330 x H110 mm

Temperature Max.

+400 °C

Speed Max.

1,500 rpm

Control

Fine PWM Heat Control

Stepless Speed Control

Independent ON/OFF Switch

Motor

Brushless Shade Motor

Temp. Sensor

Plate Embedded CA Type Sensor

Safety

Over Temp. / Over Current Cut-Off

Materials

Heating Plate

Aluminum with ceramic coating

Body

Aluminum casting with epoxy powder coating

Base

Engineering Plastic

Heater Capacity

620 Watt

Power Rating

3.0 amps

Electrical Requirement

230VAC 50Hz or 230VAC 60Hz, 1-Phase

PHE-03S Stand Rod

Ordering Information



Art. No.

Descriptions

JSHS-18A1

Analog Hotplate Magnetic Stirrer 230 VAC 50 Hz

JSHS-18A2

Analog Hotplate Magnetic Stirrer 230 VAC 60 Hz

Optional Accessories

PHE-03S

Stand Rod, Stainless Steel

PHE-04H

SET of Temperature Probe Holder, Clamp, Wire Clip



including

Pop-Off Cup Head
3" Rubber Platform
3,300 rpm

JSVX-7R Vortex Mixer

Pop-Off Cup Head



Interchangeable

Supplied with Interchangeable attachments

- 3 inch Rubber Platform Head
- Pop-Off Cup Head
- Easy Remove Applicator

3" Rubber Platform



Functional Design

Suction-Cup type foot provides strong and stable attachment on the table surface and reduces vibration



Aluminum Casting Body

Rugged aluminum casting body with epoxy powder coating
Durable and rust free engineering plastic base



Three Way Switch

Multi-Function Switch

- Continuous ON
- Touch ON
- OFF



Brushless Motor

Brushless shade motor for strong power and long shelf life

#JSVX-7R Vortex Mixer

# Technical Data	JSVX-7R
Overall Dimensions	W130 x D190 x H120 mm (main body only)
Speed Range	0 to 3,300 rpm
Movement	Orbital, 4 mm Stroke
Control	Stepless Variable Speed Control
Movement Selection	3-Way Switch [Continuous ON / Touch ON / OFF]
Motor	Brushless Shade Motor
Motor Capacity	30 Watt
Max. Load	0.5 kgs
Safety	Over Current Cut-Off
Materials	
Body	Aluminum casting with epoxy powder coating
Platform	Engineering Plastic, Rubber
Electrical Requirement	230VAC 50Hz or 230VAC 60Hz, 1-Phase

PHA-01V 3" Rubber Platform Head



PHA-02V Pop-Off Cup Head



PHA-03V Remove Applicator



Ordering Information

Art. No.	Descriptions
JSVX-7R1	Vortex Mixer 230 VAC 50 Hz
JSVX-7R2	Vortex Mixer 230 VAC 60 Hz
	including 1 ea x 3 inch Rubber Platform Head
	1 ea x Pop-Off Cut Head
	1 ea x Remove Applicator
Optional Accessories	
PHA-01V	3 inch Rubber Platform Head
PHA-02V	Pop-Off Cup Head
PHA-03V	Remove Applicator

DIGITAL JSMS-D Series Overhead Stirrer

Low Viscosity	JSMS-070D	70,000 mPas	200 Ncm	100 ~ 2000 rpm	High Speed
	JSMS-100D	100,000 mPas	300 Ncm	80 ~ 1200 rpm	
High Viscosity	JSMS-150D	150,000 mPas	450 Ncm	50 ~ 800 rpm	Low Speed



Digital Fuzzy Control

Digital Fuzzy Logic Controller precisely controls Stirring Speed by 1 rpm resolution
Digital Timer from 1 min to 99 hour 59 min



Touch Button

Touch-sensitive Multi-Functional Capacitive Button compatible to all kind of latex gloves as well as finger touch



Jog Dial

Easy-to-use Jog Dial for quick and convenient setting of stirring speed and timer
Push to Run, Stop and Save Set RPM and TIMER



Hi-Fidelity LCD

High-fidelity clear back light LCD displays complete operating conditions at a glance
Easy to monitoring set values, present stirring speed and timer.



Brushless Motor

Brushless shade motor for powerful torque, steady speed control and long shelf life



Rust Free Chuck

Corrosion and rust free chrome plated chuck for long shelf life

#JSMS-070D / 100D / 150D Digital Overhead Stirrer

# Technical Data	
Controller	Digital Fuzzy Control with Capacitive Touch Button with Jog Dial Full Size Digital Back Light LCD Display Independent ON/OFF Switch
Timer	1 min to 99 hr 59 min
Max. Shaft Diameter	10 mm
Motor	Brushless Shade Motor
Safety	Over Load Cut-Off / Heat Protector for Motor
Material	Aluminum casting with epoxy powder coating Engineering Plastic
Electrical Requirement	230 VAC 50/60 Hz, 1-Phase



# Technical Data	JSMS-070D	JSMS-100D	JSMS-150D
Speed	-	-	-
Range	100 to 2,000 rpm	80 to 1,200 rpm	50 to 800 rpm
Setting Resolution	5 rpm	1 rpm	1 rpm
Max. Viscosity	70,000 mPas	100,000 mPas	150,000 mPas
Max. Torque	200 Ncm	300 Ncm	450 Ncm
Stirring Capacity H ₂ O	25 liter	40 liter	60 liter

#JSMS-070D / 100D / 150D Digital Overhead Stirrer

Ordering Information

Art. No.

Descriptions

JSMS-070D

Digital Overhead Stirrer 100 ~ 2,000 rpm 200 Ncm 70,000 mPas 230 VAC

JSMS-100D

Digital Overhead Stirrer 80 ~ 1,200 rpm 300 Ncm 100,000 mPas 230 VAC

JSMS-150D

Digital Overhead Stirrer 50 ~ 800 rpm 450 Ncm 150,000 mPas 230 VAC

Optional Accessories

PHA-04S

Standard Plate Stand, 25 x 37 cm with Rod and Silicone Pad

PHA-05C

Clamp, Hold up to 23 mm



PHA-P30850

Impeller, Propeller, 3 x blade, Rod : 8 mm Blade Dia. : 50 mm

PHA-P30860

Impeller, Propeller, 3 x blade, Rod : 8 mm Blade Dia. : 60 mm

PHA-P30880

Impeller, Propeller, 3 x blade, Rod : 8 mm Blade Dia. : 80 mm

PHA-P30810

Impeller, Propeller, 3 x blade, Rod : 8 mm Blade Dia. : 100 mm

PHA-P31060

Impeller, Propeller, 3 x blade, Rod : 10 mm Blade Dia. : 60 mm

PHA-P31080

Impeller, Propeller, 3 x blade, Rod : 10 mm Blade Dia. : 80 mm

PHA-P31010

Impeller, Propeller, 3 x blade, Rod : 10 mm Blade Dia. : 100 mm

PHA-P40870

Impeller, Propeller, 4 x blade, Rod : 8 mm Blade Dia. : 70 mm

PHA-P40890

Impeller, Propeller, 4 x blade, Rod : 8 mm Blade Dia. : 90 mm

PHA-P40810

Impeller, Propeller, 4 x blade, Rod : 8 mm Blade Dia. : 100 mm

PHA-P41090

Impeller, Propeller, 4 x blade, Rod : 10 mm Blade Dia. 90 mm

PHA-P41010

Impeller, Propeller, 4 x blade, Rod : 10 mm Blade Dia. 100 mm

PHA-D40890

Impeller, Diamond, 4 x blade, Rod : 8 mm Blade Dia. : 90 mm

PHA-D40810

Impeller, Diamond, 4 x blade, Rod : 8 mm Blade Dia. : 100 mm

PHA-D41010

Impeller, Diamond, 4 x blade, Rod : 10 mm Blade Dia. : 100 mm

PHA-C20810

Impeller, Centrifugal, 2 x blade, Rod : 8 mm Blade Dia. : 100 mm

PHA-C2890F

Impeller, Centrifugal, 2 x blade, Rod : 8 mm Blade Dia. : 90 mm, Teflon Coated

PHA-C2812F

Impeller, Centrifugal, 2 x blade, Rod : 8 mm Blade Dia. : 120 mm, Teflon Coated

PHA-A20870

Impeller, Anchor, 2 x blade, Rod : 8 mm Blade Dia. : 70 mm

PHA-A20890

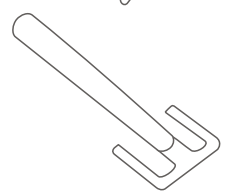
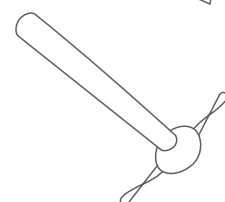
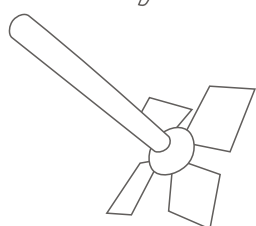
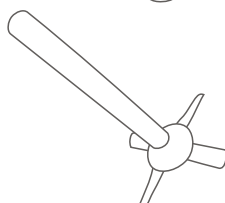
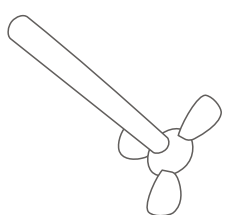
Impeller, Anchor, 2 x blade, Rod : 8 mm Blade Dia. : 90 mm

PHA-A21090

Impeller, Anchor, 2 x blade, Rod : 10 mm Blade Dia. : 90 mm

PHA-A21014

Impeller, Anchor, 2 x blade, Rod : 10 mm Blade Dia. : 140 mm



ANALOG

JSMS-A Series

Overhead Stirrer

Low Viscosity

JSMS-070A

70,000 mPas

200 Ncm ~ 2,000 rpm

High Speed



JSMS-100A

100,000 mPas

300 Ncm ~ 1,200 rpm



High Viscosity

JSMS-150A

150,000 mPas

450 Ncm ~ 800 rpm

Low Speed



A

Analog Control

Easy-to-use

Stepless Stirring Speed Control up to 2,000 rpm



Brushless Motor

Brushless shade motor for powerful torque,
steady speed and long shelf life



Aluminum Casting Body

Rugged aluminum casting body with epoxy
powder coating

Durable and rust free engineering plastic base



Rust Free Chuck

Corrosion and rust free chrome plated chuck
for long shelf life

#JSMS-070A / 100A / 150A Analog Overhead Stirrer

# Technical Data 	JSMS-070A	JSMS-100A	JSMS-150A
Speed Range	0 to 2,000 rpm	0 to 1,200 rpm	0 to 800 rpm
Max. Viscosity	70,000 mPas	100,000 mPas	150,000 mPas
Max. Torque	200 Ncm	300 Ncm	450 Ncm
Stirring Capacity H ₂ O	25 liter	40 liter	60 liter
Controller	Analog Stepless Speed Control Independent ON/OFF Switch		
Max. Shaft Diameter	10 mm		
Motor	Brushless Shade Motor		
Safety	Over Load Cut-Off / Over Heat Protection for Motor		
Material	Aluminum casting with epoxy powder coating Engineering Plastic		
Electrical Requirement	230 VAC 50/60Hz, 1-Phase		

#JSMS-070A / 100A / 150A Analog Overhead Stirrer

Ordering Information

Art. No.

Descriptions

JSMS-070A

Analog Overhead Stirrer ~ 2,000 rpm 200 Ncm 70,000 mPas 230 VAC 50/60 Hz

JSMS-100A

Analog Overhead Stirrer ~ 1,200 rpm 300 Ncm 100,000 mPas 230 VAC 50/60 Hz

JSMS-150A

Analog Overhead Stirrer ~ 800 rpm 450 Ncm 150,000 mPas 230 VAC 50/60 Hz

Optional Accessories

PHA-04S

Standard Plate Stand, 25 x 37 cm with Rod and Silicone Pad

PHA-05C

Clamp, Hold up to 23 mm



PHA-P30850

Impeller, Propeller, 3 x blade, Rod : 8 mm Blade Dia. : 50 mm

PHA-P30860

Impeller, Propeller, 3 x blade, Rod : 8 mm Blade Dia. : 60 mm

PHA-P30880

Impeller, Propeller, 3 x blade, Rod : 8 mm Blade Dia. : 80 mm

PHA-P30810

Impeller, Propeller, 3 x blade, Rod : 8 mm Blade Dia. : 100 mm

PHA-P31060

Impeller, Propeller, 3 x blade, Rod : 10 mm Blade Dia. : 60 mm

PHA-P31080

Impeller, Propeller, 3 x blade, Rod : 10 mm Blade Dia. : 80 mm

PHA-P31010

Impeller, Propeller, 3 x blade, Rod : 10 mm Blade Dia. : 100 mm

PHA-P40870

Impeller, Propeller, 4 x blade, Rod : 8 mm Blade Dia. : 70 mm

PHA-P40890

Impeller, Propeller, 4 x blade, Rod : 8 mm Blade Dia. : 90 mm

PHA-P40810

Impeller, Propeller, 4 x blade, Rod : 8 mm Blade Dia. : 100 mm

PHA-P41090

Impeller, Propeller, 4 x blade, Rod : 10 mm Blade Dia. 90 mm

PHA-P41010

Impeller, Propeller, 4 x blade, Rod : 10 mm Blade Dia. 100 mm

PHA-D40890

Impeller, Diamond, 4 x blade, Rod : 8 mm Blade Dia. : 90 mm

PHA-D40810

Impeller, Diamond, 4 x blade, Rod : 8 mm Blade Dia. : 100 mm

PHA-D41010

Impeller, Diamond, 4 x blade, Rod : 10 mm Blade Dia. : 100 mm

PHA-C20810

Impeller, Centrifugal, 2 x blade, Rod : 8 mm Blade Dia. : 100 mm

PHA-C2890F

Impeller, Centrifugal, 2 x blade, Rod : 8 mm Blade Dia. : 90 mm, Teflon Coated

PHA-C2812F

Impeller, Centrifugal, 2 x blade, Rod : 8 mm Blade Dia. : 120 mm, Teflon Coated

PHA-A20870

Impeller, Anchor, 2 x blade, Rod : 8 mm Blade Dia. : 70 mm

PHA-A20890

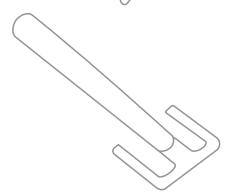
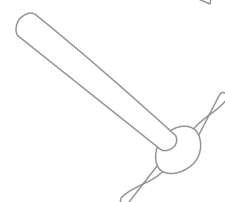
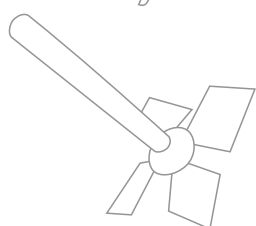
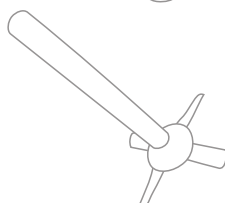
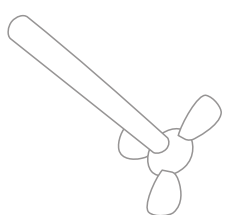
Impeller, Anchor, 2 x blade, Rod : 8 mm Blade Dia. : 90 mm

PHA-A21090

Impeller, Anchor, 2 x blade, Rod : 10 mm Blade Dia. : 90 mm

PHA-A21014

Impeller, Anchor, 2 x blade, Rod : 10 mm Blade Dia. : 140 mm



DIGITAL

JSHR-270D Homogenizer

Max. 27,000 rpm



Digital RPM Display

3-Digit Digital FND Display and Stepless Speed Control up to maximum 27,000 rpm



Brushless Motor

Brushless shade motor for high speed drive and long shelf life



Aluminum Casting Body

Rugged aluminum casting body with epoxy powder coating
Durable and rust free engineering plastic case



Dispersing Tools

High quality stainless steel dispersing tool with Teflon bearing
Choice of dispersing volume from 1 ml ~ 2500 ml



#JSHR-270D Digital Homogenizer

Technical Data

JSHR-270D

Speed Range	2,000 to 27,000 rpm (w/o load)
Max. Dispersing Volume	2,500 ml H ₂ O
Usable Dispersing Tool Extension Arm	Dia. 8mm / 10mm / 18mm / 25mm Stator Dia. 12.7mm x L 250mm
Control	Stepless Variable Speed Control Independent ON/OFF Switch
Display	3-Digit FND
Motor Capacity	Brushless Shade Motor 400 / 300 Watt (input/output)
Safety	Over Heat Protection for Motor
Materials	Aluminum casting with epoxy powder coating Engineering Plastic
Electrical Requirement	230VAC 50/60Hz, 1-Phase



PHA-T0680



PHA-T0710



PHA-T1218



PHA-T1725

Ordering Information

Art. No.	Descriptions
JSHR-270D	Digital Homogenizer 230 VAC 50/60 Hz, 1-Phase
Optional Accessories	Order Dispersing Tool separately
PHA-T0680	Dispersing Tool, Rotor Dia. 6.1 mm, Stator Dia. 8 mm for 1 ~ 50 ml liquid volume
PHA-T0710	Dispersing Tool, Rotor Dia. 7.5 mm, Stator Dia. 10 mm for 1 ~ 100 ml liquid volume
PHA-T1218	Dispersing Tool, Rotor Dia. 12.7 mm, Stator Dia. 18 mm for 10 ~ 1000 ml liquid volume
PHA-T1725	Dispersing Tool, Rotor Dia. 17.0 mm, Stator Dia. 25 mm for 50 ~ 2500 ml liquid volume
PHA-04S	Standard Plate Stand, 25 x 37 cm with Rod and Silicone Pad
PHA-05C	Clamp, Hold up to 23 mm

ANALOG

JSHR-270A

Homogenizer

Max. 27,000 rpm



Analog Control

Easy-to-use
Stepless Stirring Speed Control up to 27,000 rpm



Brushless Motor

Brushless shade motor for high speed drive
and long shelf life



Aluminum Casting Body

Rugged aluminum casting body with epoxy
powder coating
Durable and rust free engineering plastic case



Dispersing Tools

High quality stainless steel dispersing tool
with Teflon bearing
Choice of dispersing volume from 1 ml ~ 2500 ml



#JSHR-270A Analog Homogenizer

Technical Data

JSHR-270A

Speed Range	0 to 27,000 rpm (w/o load)
Max. Dispersing Volume	2,500 ml H ₂ O
Usable Dispersing Tool Extension Arm	Dia. 8mm / 10mm / 18mm / 25mm Stator Dia. 12.7mm x L 250mm
Control	Stepless Variable Speed Control Independent ON/OFF Switch
Motor Capacity	Brushless Shade Motor 400 / 300 Watt (input/output)
Safety	Over Heat Protection for Motor
Materials	Aluminum casting with epoxy powder coating Engineering Plastic
Electrical Requirement	230VAC 50/60Hz, 1-Phase



PHA-T0680



PHA-T0710



PHA-T1218



PHA-T1725

Ordering Information

Art. No.	Descriptions
JSHR-270A	Analog Homogenizer 230 VAC 50/60 Hz, 1-Phase
Optional Accessories	Order Dispersing Tool separately
PHA-T0680	Dispersing Tool, Rotor Dia. 6.1 mm, Stator Dia. 8 mm for 1 ~ 50 ml liquid volume
PHA-T0710	Dispersing Tool, Rotor Dia. 7.5 mm, Stator Dia. 10 mm for 1 ~ 100 ml liquid volume
PHA-T1218	Dispersing Tool, Rotor Dia. 12.7 mm, Stator Dia. 18 mm for 10 ~ 1000 ml liquid volume
PHA-T1725	Dispersing Tool, Rotor Dia. 17.0 mm, Stator Dia. 25 mm for 50 ~ 2500 ml liquid volume
PHA-04S	Standard Plate Stand, 25 x 37 cm with Rod and Silicone Pad
PHA-05C	Clamp, Hold up to 23 mm