

Stirrers, Laboratory

LT400/500 Series

Model			
400A	400B	500A	500B
400C	400D		
Viscosity for Material			
High	Medium	High	Medium
Med-Low	Low		
Speed Range (rpm)			
10 to 300	15 to 600	15 to 600	25 to 1200
25 to 1200	60 to 3000		
Max. Torque (N·m)			
0.9	0.5	1.0	0.6
0.3	0.1		

With Yamato stirrers, there is no loss of rotation speed as viscosity builds.

Unlike conventional stirrers, the powerful DC brushless motor and feedback control circuit of the laboratory stirrers maintain constant speed from no load up to a maximum torque. Powerful digital stirrers handles 10 to 1200 rpm.

FEATURES

- 6 models to meet your laboratory's specific needs
- Constant speed regardless of torque
- Rotation speed is easily adjusted
- LED indicator shows the accurate speed
- PID controlled mechanical stirrer with best safety and performance features
- Care-free and sparkless motor (brushless)

SAFETY DEVICES

- Automatic safety shut-down that prevents motor burn-out
- Current overload prevention mechanism
- Motor thermal-overload cut-off
- Protective cover on drill chuck

Control panel



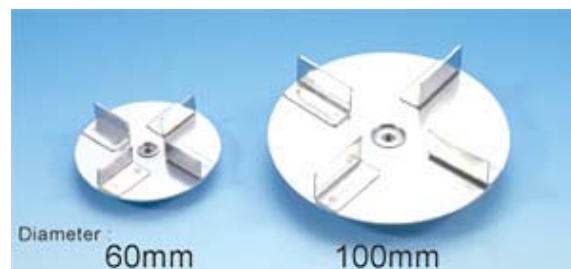
Specifications

	LT400A	LT400B	LT400C	LT400D	LT500A	LT500B
■ Performance						
Material	High	Medium	Medium-Low	Low	High	Medium
Revolving speed range	10 to 300rpm	15 to 600rpm	25 to 1200rpm	60 to 3000rpm	15 to 600rpm	25 to 1200rpm
Max. torque (N•m / kg-cm)	0.9/9.0	0.5/5.0	0.3/3.0	0.1/1.0	1.0/10.0	0.6/6.0
■ Components						
Motor (DC brushless motor)	30W				70W	
Chuck	ø8 mm drill chuck					
Speed control	Feedback control					
Display panel	Digital speed display, Overload display, Torque indicator (20% gradation)					
■ Safe Device						
Safety mechanism	Current-restraining circuitry, Thermal overload cut-off, Drill chuck protector					
■ Standard						
External dimensions(W×D×Hmm)	146×154×165					
Power source	AC 100 to 125V 50/60Hz, single phase					
Weight	Approx. 2.4kg					
■ Accessories						
Clamp	1 set					
■ Optional Accessories						
LT Auxiliary stirrer/LT Vacuum adapter/Extra long stirrer shaft/Four-blade propeller/Folding propeller/ Turbine propeller/Two-stage turbine propeller/Two-bladed propeller/Glass two-blade propeller						

Optional Accessories



■ Four-bladed propellers for regular use



■ Turbine propellers for deep containers



■ Propeller for narrow mouth bottle



■ Glass propeller with shaft (Material : Hard glass)



■ Metal fitting for water bath



■ Stirring shaft (Material : SUS316) ø8×500mmL



■ Turbine propeller for multiple-stage mixing



■ Two-bladed propellers

Adapter for decompression stirrer

Material	Fluorocarbon resin and nitrite rubber
Working stirring shaft	10 mm dia.
Ultimate vacuum	6.7 Pa (5×10^{-2} Torr)
Accessories	Nitrite rubber seal, 2 pcs.



■ Adapter for decompression stirrer



■ Auxiliary stirrer

Auxiliary stirrer

Working stirring shaft	8 mm dia.
Distance of stirring shaft	135 mm
Belt	O-ring
Accessories	Hexagon wrench key, 2 pcs. Chuck handle, 1 pc. Clamp, 1 pc. Belt, 1 pc. Pulley, 1 pc.



■ Y-shaped stand