

Jar tester

6-paddle stirrer, 20 - 300 rpm, individual light sources, programmable

20-300 rpm



JT-M6C



Timing belt

JT-M6C

Ideal for:

- flocculation test in water treatment laboratories
- coagulation chemistry

Features:

- 20 - 300 rpm
- 6 places
- 6 light sources
- programmable operations (6 programs with 10 steps)
- geared motor (ratio: 10:1)
- digital LCD for rpm, power-bar, status and programming
- special designed timing belt
- CE certified and unique serial number for tracing

Safety mechanism:

- timer 99h 59min with timer-end signal
- error status
- locking mode
- overload protection
- overheat protection
- operation LEDs

Controller:

- programmable digital feedback controller with **Jog-Shuttle switch** (turn + push)

| | |
|---|--|
| Model | JT-M6C |
| Stirring points | 6 |
| Paddler | Ø8 x L400 mm, straight blade w75xh25 mm |
| Stirring capacity (H₂O) | 6x 1 l beaker |
| Speed range | 20-300 rpm, ±5 rpm (geared DC motor 10:1 ratio, 40 W) |
| Timer & alarm | 99hr 59min (with continuous run), error status and timer-end |
| Controller | digital Feedback Controller with Jog-Shuttle (Turn+Push) |
| Controller feature | programmable, 6 programs, 10 steps |
| Display | digital LCD with backlight function |
| Florescent lamp | 6x 20W (light sources) |
| Safety device | overheat & overload protection |
| Dimension & weight | 1,000x310x535 mm, 37 kg |
| Packaging size | 1,120x430x740 mm, 69 kg |
| Power supply | 1 Phase AC 120V, 60 Hz or AC 230V, 50/60 Hz |
| Order number 230V | DH.WJT06020 |
| Order number 120V | DH.WJT06021 |

Overhead stirrer

High-speed
High-torque



Model overview & comparison

| | High-speed | | | | | | High-torque | | | | | |
|---|---|--------------------|--|--------------------|------------------------|--------------------|---|--------------------|--|--------------------|------------------------|--------------------|
| | Analog | | Digital | | | | Analog | | Digital | | | |
| | Integrated controller | | Integrated controller | | Remote controller | | Integrated controller | | Integrated controller | | Remote controller | |
| Model | HS-50A | HS-120A | HS-30D | HS-100D | HS-30T | HS-100T | HT-50AX | HT-120AX | HT-50DX | HT-120DX | HT-50T | HT-120T |
| Max. stirring capacity (H ₂ O) | 10 l | 20 l | 10 l | 20 l | 10 l | 20 l | 40 l | 60 l | 40 l | 60 l | 40 l | 60 l |
| Max. viscosity (mPas) | 10,000 | 50,000 | 10,000 | 50,000 | 10,000 | 50,000 | 100,000 | 150,000 | 100,000 | 150,000 | 100,000 | 150,000 |
| Motor rating (input / output) | 83/75 W (1/10 hp) | 130/120 W (1/6 hp) | 83/75 W (1/10 hp) | 130/120 W (1/6 hp) | 83/75 W (1/10 hp) | 130/120 W (1/6 hp) | 83/75 W (1/10 hp) | 130/120 W (1/6 hp) | 83/75 W (1/10 hp) | 130/120 W (1/6 hp) | 83/75 W (1/10 hp) | 130/120 W (1/6 hp) |
| Max. torque (Ncm) at chuck | 85 | 145 | 85 | 145 | 85 | 145 | 300 | 500 | 300 | 500 | 300 | 500 |
| Max. impeller diameter | 8 mm | | | | | | 10 mm | | | | | |
| Speed range (rpm) | 200 - 3,000 rpm | | | | | | 50 - 1,000 rpm | | | | | |
| Motor rating | Direct driven motor | | | | | | 3.5 : 1 ratio; worm-gear motor | | | | | |
| Controller | Analog phase | | Jog-Shuttle | | Jog-Shuttle via remote | | Analog phase | | Jog-Shuttle | | Jog-Shuttle via remote | |
| Display | - | | Digital LCD (for timer, rpm and power) | | | | - | | Digital LCD (for timer, rpm and power) | | | |
| Operation environment | Temperature range: 0 - 40°C, maximal humidity: 80% | | | | | | | | | | | |
| Safety mechanism | overheat protection | | overheat and overload protection | | | | overheat protection | | overheat and overload protection | | | |
| Dimensions (WxDxH mm) | 90x145x180 | | | | 90x100x180 | | 90x180x130 | 90x210x130 | 90x180x130 | 90x210x130 | 155x180x110 | 155x230x110 |
| Weight (kg) | 4.5 | 5.3 | 4.5 | 5.3 | 3 + 2.5* | 3.8 + 2.5* | 3.5 | 4 | 3.5 | 4 | 3.5 + 2.5* | 4 + 2.5* |
| Others | smooth start and change of stirring speed while operation impeller height adjustable chrome-plated stainless steel chuck CE certified and unique serial number for tracing | | | | | | smooth start and change of stirring speed while operation storage function for timer and speed impeller height adjustable chrome-plated stainless steel chuck CE certified and unique serial number for tracing | | | | | |
| Power supply | AC 230V or AC 120V | | | | | | | | | | | |

* weight of remote controller

| Material | Viscosity (mPas) | Recommended overhead stirrer | | | |
|--------------------|------------------|------------------------------|---------|---------|----------|
| Water | 1 | HS-30D | HS-100D | HT-50DX | HT-120DX |
| Milk | 3 | | | | |
| Soyabean oil | 160 | | | | |
| Varnish | 500 | HS-50A | HS-120A | HT-50AX | HT-120AX |
| Lacquer | 1,000 | | | | |
| Honey | 3,000 | HS-30T | HS-100T | HT-50T | HT-120T |
| Standard viscosity | 10,000 | | | | |
| Standard viscosity | 15,000 | | | | |
| Ketchup | 30,000 | | | | |
| Standard viscosity | 50,000 | | | | |
| Mustard | 70,000 | | | | |
| Corn syrup | 100,000 | | | | |
| Standard viscosity | 150,000 | | | | |
| Peanut butter | 250,000 | | | | |