



# JW-2050 [Vertical Biosafety] JW-2050 Touchscreen Low-speed Centrifuge Biosafety

Low-speed Centrifuge • MOQ: 1 Unit

The JW-2050 touchscreen low-speed centrifuge (Biosafety) features Large true-color LCD display with full touchscreen interface; microcomputer-controlled, bru...



## Overview

The JW-2050 touchscreen low-speed centrifuge (Biosafety) features Large true-color LCD display with full touchscreen interface; microcomputer-controlled, brushless AC variable frequency motor drive, high speed accuracy and low noise; programmable operation with multiple acceleration/deceleration options; centrifugal force and speed can be set independently and displayed simultaneously; features DCT [Differential Centrifugation Technology] 'differential centrifugation' application technology. Widely applicable in: teaching, scientific research, biochemical products, medical testing, food safety, agricultural product testing, livestock & aquaculture testing, microbiology, molecular chemistry, environmental protection, and quality inspection industries.

## Key Specifications

|                                  |                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Brand</b>                     | Jiaven                                                                                                      |
| <b>Typical Configuration</b>     | Swing-bucket Rotor Centrifuge                                                                               |
| <b>Instrument Function</b>       | Standard Centrifuge                                                                                         |
| <b>Instrument Type</b>           | Floor-standing Centrifuge                                                                                   |
| <b>Centrifugation Grade</b>      | Cell/Bacteria                                                                                               |
| <b>Dimensions</b>                | 750x590x890mm                                                                                               |
| <b>Max. Capacity</b>             | 750mlx4                                                                                                     |
| <b>Characteristic Parameter</b>  | Low-speed                                                                                                   |
| <b>Application Field</b>         | Medical & Healthcare, Environmental Protection, Food/Agricultural Products, Chemical Industry, Bio-industry |
| <b>Remote Control (Optional)</b> | RS-485 interface available                                                                                  |
| <b>Max. RCF</b>                  | 5502xg                                                                                                      |



## JW-2050 Main Technical Parameters

|                                        |                                                              |
|----------------------------------------|--------------------------------------------------------------|
| <b>Model</b>                           | JW-2050 [Vertical Biosafety]                                 |
| <b>Max. Speed</b>                      | 6000rpm                                                      |
| <b>Max. RCF</b>                        | 5502xg                                                       |
| <b>Max. Capacity</b>                   | 750mlx4                                                      |
| <b>Speed Accuracy</b>                  | ±10rpm                                                       |
| <b>Timing Range</b>                    | 1s ~ 99H59min59s/ short spin                                 |
| <b>Noise</b>                           | ≤62dB                                                        |
| <b>Sample Temperature Rise</b>         | Run for 20 minutes, temperature rise of test solution < 10°C |
| <b>The shortest Acc / Dec time</b>     | ≤25s                                                         |
| <b>Display</b>                         | LCD                                                          |
| <b>Power Supply</b>                    | AC220V 50Hz 10A                                              |
| <b>Power</b>                           | 600W                                                         |
| <b>Net weight/Instrument size</b>      | 135kg/760mmx590mmx890mm                                      |
| <b>gross weight/Package dimensions</b> | 163kg/830mmx700mmx1080mm                                     |

## Rotor Configuration

| No.        | Rotor                                                                             | Capacity                              | Max. Speed | Max. RCF | Adapters                                                                                                                                                                                                                                              |
|------------|-----------------------------------------------------------------------------------|---------------------------------------|------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NO1</b> | Swing-out Rotor Body<br>750ml×4                                                   | 750ml×4                               | 4200 rpm   | 3727×g   | 500ml×4<br>250ml×4<br>250ml(Corning tube)×4<br>100ml×12<br>50ml(conical tube)×20<br>50ml(round-bottom tube)×28<br>15ml(conical tube)×56<br>10ml(vacuum blood collection tube)×76<br>3ml/5ml×7ml(vacuum blood collection tube)×96<br>5ml(RIA tube)×148 |
| <b>NO2</b> | Auto-decapping Swing-out Rotor Body 5ml×96                                        | 5ml×96                                | 4200 rpm   | 3727×g   | 3ml/5ml/7ml×96                                                                                                                                                                                                                                        |
| <b>NO3</b> | Anti-contamination Swing-out Rotor Body 750ml×4                                   | 750ml×4                               | 4200 rpm   | 3727×g   |                                                                                                                                                                                                                                                       |
| <b>NO4</b> | Swing-out Rotor Body (honeycomb buckets)<br>5ml(vacuum blood collection tube)×148 | 5ml(vacuum blood collection tube)×148 | 4200 rpm   | 3648×g   |                                                                                                                                                                                                                                                       |
| <b>NO5</b> | Swing-out Rotor Body (8-claw)<br>100ml×16                                         | 100ml×16                              | 4200 rpm   | 3727×g   | 100ml×16<br>50ml×16<br>10ml(vacuum blood collection tube)×64                                                                                                                                                                                          |
| <b>NO6</b> | Fixed-angle Rotor 50ml×6                                                          | 50ml×6                                | 6000 rpm   | 5502×g   |                                                                                                                                                                                                                                                       |
| <b>NO7</b> | Fixed-angle Rotor<br>10ml/15ml×12                                                 | 10ml/15ml×12                          | 6000 rpm   | 5502×g   |                                                                                                                                                                                                                                                       |
| <b>NO8</b> | Microplate Rotor 96-well DWP ×2                                                   | 96-well DWP ×2                        | 5000 rpm   | 3530×g   |                                                                                                                                                                                                                                                       |



| No. | Rotor                                | Capacity            | Max. Speed | Max. RCF | Adapters |
|-----|--------------------------------------|---------------------|------------|----------|----------|
| NO8 | Microplate Rotor 96-well MTP<br>×2×2 | 96-well MTP<br>×2×2 | 5000 rpm   | 3530×g   |          |
| NO9 | Microplate Rotor 96-well DWP<br>×4   | 96-well DWP<br>×4   | 5000 rpm   | 3667×g   |          |
| NO9 | Microplate Rotor 96-well MTP<br>×4×2 | 96-well MTP<br>×4×2 | 5000 rpm   | 3667×g   |          |

## About Jiavenlab Centrifuges

Anhui Jiavenlab Instrument Equipment Co., Ltd. — Building S2-8, Renmin Wanfu Industrial Park, Feixi Economic Development Zone, Hefei City, Anhui Province. We manufacture low-speed, high-speed, refrigerated and touchscreen laboratory centrifuges with a complete rotor and adapter ecosystem. OEM/ODM projects, export packing and worldwide shipping supported. Contact us for the latest price and lead time.