

# **Floor Standing High Speed Refrigerated Centrifuge IFHRC-4040(110/50Hz)**



Floor Standing High Speed Refrigerated Centrifuge IFHRC-4040 is ISO9001, CE, and FDA certify. Designed with parameters, including RCF, variable frequency brushless motor, microcomputer control. Suitable applications are hot products with high speed and high efficiency, any other application requiring up to 64983xg, in a powerful, versatile, highly reliable unit that can improve your productivity. Ideal for collecting microorganisms, cell debris, cells, large organelles, sulphate precipitates, and immune deposits, etc. Maximum capacity up to 4 litres, and an extensive DC brushless rotor. Eco-friendly refrigerator system and operates at -20°C to 40°C temperature range, low noise compressor less than <65dB and with protective electronic interlock door function.

## Rotors

| Model | IFHRC-4010                                                                 | IFHRC-4020                                                                                                                                                                      | IFHRC-4030                                                                                                                                                                                                               | IFHRC-4040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IFHRC-4050                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IFHRC-4060                                                                                                                                                                                                                                                                |
|-------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       | Rotor 1:100ml×8<br>Rotor 2:1000ml×6<br>Rotor 3:2000ml×4<br>Rotor 4:500ml×6 | Rotor 1:1.5/2.2ml×12<br>Rotor 2:1.5/2.2ml×24<br>Rotor 3:5ml×10<br>Rotor 4:10ml×12<br>Rotor 5:100ml×4<br>Rotor 6:50ml×6<br>Rotor 7:96ml×8<br>Rotor 8:250ml×4<br>Rotor 9:50ml×2×4 | Rotor 1:1.5/2.2ml×12<br>Rotor 2:30ml×6<br>Rotor 3:10ml×12<br>Rotor 4:50ml×6<br>Rotor 5:750ml×4<br>Rotor 6: 96ml×8<br>Rotor 7: 96ml×4×2<br>Rotor 8:500ml×4<br>Rotor 9:1.5/2.2ml×24<br>Rotor 10:85ml×6<br>Rotor 11:100ml×4 | Rotor 1:1.5/2.2ml×36<br>Rotor 2:5ml×16<br>Rotor 3:10ml×16<br>Rotor 4:20ml×12<br>Rotor 5:10ml×18<br>Rotor 6:50ml×8<br>Rotor 7:70ml×6<br>Rotor 8:750ml×4<br>Rotor 9:50ml×2×4<br>Rotor 10:15ml×8×4<br>Rotor 11:50ml×4<br>Rotor 12:1000ml;14000rpm<br>Rotor 13:300ml×6<br>Rotor 14:500ml×6<br>Rotor 15:50ml×6<br>Rotor 16:100ml×8<br>Rotor 17:250ml×6<br>Rotor 18:15ml×32<br>Rotor 19:600ml×6<br>Rotor 20:3000ml;8000rpm<br>Rotor 21:96ml×8<br>Rotor 22:1000ml;16000rpm<br>Rotor 23: 3000ml;10000rpm | Rotor 1:5ml×16<br>Rotor 2:10ml×16<br>Rotor 3:1.5/2.2ml×36<br>Rotor 4:20ml×12<br>Rotor 5:10ml×18<br>Rotor 6:50ml×8<br>Rotor 7: 70ml×6<br>Rotor 8:750ml×4<br>Rotor 9:15ml×8×4<br>Rotor 10:50ml×2×4<br>Rotor 11:50ml×4<br>Rotor 12:1000ml<br>Rotor 13:300ml×6<br>Rotor 14: 500ml×6<br>Rotor 15:50ml×6<br>Rotor 16:100ml×8<br>Rotor 17:250ml×6<br>Rotor 18:15ml×32<br>Rotor 19:600ml×6<br>Rotor 20:3000ml;8000rpm<br>Rotor 21: 96ml×8<br>Rotor 22:1000ml<br>Rotor 23: 3000ml;10000rpm | Rotor 1:1.5/2.2ml×24<br>Rotor 2:5ml×10<br>Rotor 3:10ml×16<br>Rotor 4:50ml×8<br>Rotor 5:250ml×6<br>Rotor 6:500ml×6<br>Rotor 7:1000ml×4<br>Rotor 8:750ml×4<br>Rotor 9:96ml×8<br>Rotor 10:1000ml<br>Rotor 11:3000ml; 8000rpm<br>Rotor 12:1000ml<br>Rotor 13: 3000ml;10000rpm |

## Technical Specification:

|                                |                       |
|--------------------------------|-----------------------|
| Model                          | IFHRC-4040            |
| Speed Range (rpm)              | 21000 rpm             |
| Max RCF                        | 50400×g               |
| Capacity                       | 4×600 ml              |
| Refrigeration System           | R404a                 |
| Temperature Range (°C )        | -20 to +40°C          |
| Temperature Accuracy (°C )     | ±1°C                  |
| Timer                          | 1 min to 99 h, 59 min |
| Certifications/Compliance      | ISO, CE, FDA          |
| External Dimemsions (HxLxW) mm | 710x840x1200 mm       |
| Net Weight (kg)                | 290 kg                |
| Shipping Dimensions (HxLxW) mm | 890x960x1450 mm       |
| Electrical Requirements        | AC110/50Hz            |
| Catalogue No.                  | 1403002001            |

## Technical Data:

|                        |                       |                   |                                         |                   |                 |                   |                       |                   |                 |                   |                 |                   |
|------------------------|-----------------------|-------------------|-----------------------------------------|-------------------|-----------------|-------------------|-----------------------|-------------------|-----------------|-------------------|-----------------|-------------------|
| Model                  | IFHRC-4010            |                   | IFHRC-4020                              |                   | IFHRC-4030      |                   | IFHRC-4040            |                   | IFHRC-4050      |                   | IFHRC-4060      |                   |
| Capacity               | 4×2000 ml             |                   | 4×250 ml                                |                   | 4×750 ml        |                   | 4×600 ml              |                   | 6×600 ml        |                   | 4×1000 ml       |                   |
| Shaking Speed          | 12000 rpm             |                   | 20000 rpm                               |                   | 20500 rpm       |                   | 21000 rpm             |                   | 22000 rpm       |                   | 25000 rpm       |                   |
| Temperature Range      | -20 to +40?           |                   |                                         |                   |                 |                   |                       |                   |                 |                   |                 |                   |
| Accuracy               | ± 50 rpm              |                   |                                         |                   |                 |                   |                       |                   |                 |                   |                 |                   |
| Temperature Accuracy   | ±1?                   |                   |                                         |                   |                 |                   |                       |                   |                 |                   |                 |                   |
| RCF Range              | 19830xg               |                   | 27800xg                                 |                   | 29200xg         |                   | 50400xg               |                   | 52000xg         |                   | 64983xg         |                   |
| Display                | LED or LCD            |                   |                                         |                   |                 |                   |                       |                   |                 |                   |                 |                   |
| Time Range             | 1 min to 99 h, 59 min |                   | 1 min to 99h, 59 min or 1 min to 99 min |                   |                 |                   | 1 min to 99 h, 59 min |                   |                 |                   |                 |                   |
| Refrigerator           | R404a                 |                   |                                         |                   |                 |                   |                       |                   |                 |                   |                 |                   |
| Noise                  | <65dB(A)              |                   |                                         |                   |                 |                   |                       |                   |                 |                   |                 |                   |
| Certification          | ISO, CE, FDA          |                   |                                         |                   |                 |                   |                       |                   |                 |                   |                 |                   |
| Packing Dimension      | 890x960x1450 mm       |                   | 740x830x1300 mm                         |                   | 740x830x1300 mm |                   | 890x960x1450 mm       |                   | 890x960x1450 mm |                   | 890x960x1450 mm |                   |
| Dimension              | 710x840x1200 mm       |                   | 650x710x1100 mm                         |                   | 650x710x1100 mm |                   | 710x840x1200 mm       |                   | 710x840x1200 mm |                   | 710x840x1200 mm |                   |
| Weight                 | 300 kg                |                   | 170 kg                                  |                   |                 |                   | 290 kg                |                   |                 |                   |                 |                   |
| Electrical Requirement | AC110/50Hz            | 220V /60Hz<br>30A | AC110/50Hz,                             | 220V/60Hz,<br>20A | AC110/50Hz,     | 220V/60Hz,<br>20A | AC110/50Hz,           | 220V/60Hz,<br>30A | AC110/50Hz,     | 220V/60Hz,<br>30A | AC110/50Hz,     | 220V/60Hz,<br>30A |
| Catalogue No.          | 1403000501            | 1403000502        | 1403001001                              | 1403001002        | 1403001501      | 1403001502        | 1403002001            | 1403002002        | 1403002501      | 1403002502        | 1403003001      | 1403003002        |



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