



**JAMES TECHNICAL SERVICES LTD**  
TEST CHAMBERS & TESTING EQUIPMENT

JTS has a range of shipping containers which have been converted into specialist self-contained 'test cells' for temperature and humidity testing. These are standalone systems requiring only power, water and a drain connection.

## TEMPERATURE & HUMIDITY - PORTABLE WALK IN ROOMS



### Advantages

- No interruption to current test facility
- Can be located internally or externally
- Additional test facility that can be moved between sites

### Standard

- Watlow F4T Touch screen
- Access Ports
- Bulkhead
- Stainless Steel Interior
- Over Temperature Protection
- Lights

### Options

- Branded Exterior
- Firewall
- Air Purge
- Control Room
- UUT Monitoring
- Data Logging
- UUT Trolleys
- Gas Detection
- Special Ports
- Windows
- Temperature & Humidity Alarms
- Access Ramps

### Portable Walk In Rooms

| Model   | C20  | C30                        | C40                        |
|---|--|----------------------------|----------------------------|
| Dimensions - internal 'working' (H x W x D)mm | 1800 x 19250 x 1800                                | 1800 x 19250 x 3000        | 1800 x 19250 x 4000        |
| Dimensions - external (H x W x D)mm           | 2600 x 2440 x 6100                                 | 2600 x 2440 x 9150         | 2600 x 2440 x 12200        |
| Dimensions - plant area (H x W x D)mm         | 2350 x 2250 x 2300                                 | 2350 x 2250 x 2400         | 2350 x 2250 x 5400         |
| Temperature range (°C)                        | -20°C / -40°C / -65°C to +65°C (+80°C optional)    |                            |                            |
| Temperature stability                         | ± 0.5°C  |                            |                            |
| Temperature distribution                      | ± 2.0°C  |                            |                            |
| Rate of change - heating (°C)                 | 0.3°C to 4.0°C per minute                          | 0.25°C to 5.0°C per minute | 0.25°C to 5.0°C per minute |
| Rate of change - cooling (°C)                 | 1.5°C to 2.0°C per minute                          |                            |                            |
| Humidity range (%RH)                          | 10% to 98% relative humidity (RH)                  |                            |                            |
| Humidity stability                            | ± 3% RH  |                            |                            |
| Programmer                                    | Watlow F4T - 40 programs / 50 segments per program |                            |                            |
| Power supply                                  | 400 volts, 50Hz                                    |                            |                            |