

REACH IN BLAST CHILLER FREEZERS TECHNICAL DATASHEET



WBC10

WBC20

WBC30

WBC40

WBC50

| Dimensions (mm) | WBC10 | | WBC20 | | WBC30 | | WBC40 | | WBC50 | |
|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | External | Internal | External | Internal | External | Internal | External | Internal | External | Internal |
| Width | 707 | 587 | 707 | 587 | 707 | 587 | 707 | 587 | 707 | 587 |
| Depth | 804 | 350 | 804 | 350 | 804 | 350 | 804 | 350 | 804 | 350 |
| Height | 885 | 380 | 1290 | 700 | 1740 | 1020 | 1740 | 1020 | 1915 | 1195 |
| Door Opening | 1471 | | 1471 | | 1471 | | 1471 | | 1471 | |

Capacity

| | | | | | |
|---------------|----|----|----|----|----|
| Capacity (kg) | 10 | 20 | 30 | 40 | 50 |
|---------------|----|----|----|----|----|

KEY FEATURES

- Choice of models to accommodate 10 to 50kg on 1/1 GN containers (530 x 325 mm) with compact footprints
- Foodsafe stainless steel exterior and interior
- Easy to clean dished base with radiused corners
- 1-2-3 state of the art control panel
- Designed and engineered to operate efficiently up to a 43°C ambient
- Self closing doors
- Precision injected, high density 75mm polyurethane insulation
- Barrel locked doors
- Cabinet designed and fitted with heavy-duty non-marking swivel castors with brakes

- Easy to access refrigeration system
- Anti-tilt, trayslides
- Choice of hard, soft, store and core food temperature probe controlled cycles with audible alarm indicating end of cycle
- Automatic defrost at the end of every blast cycle or every 6 hours in store mode
- Automatically switches to storage mode at 3°C or -18°C at the end of each cycle
- Unique advanced airflow design
- Can be connected to a Williams temperature monitoring TAB system

OPTIONS

- Adjustable legs
- Stainless steel back
- 1/1 GN Shelves
- High quality thermal printer
- TAB Blast Chill or Blast Chill Freeze Data Management Software



REACH IN BLAST CHILLER FREEZERS TECHNICAL DATA

| Reach in Blast Chiller Freezers | WBC10 | WBC20 | WBC30 | WBC40 | WBC50 | WBCF10 | WBCF20 | WBCF30 | WBCF40 | WBCF50 |
|---------------------------------|----------------------------------------------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|-------------------|
| Temperature (°C) | +90/+3 in 90 mins | +90/+3 in 90 mins | +90/+3 in 90 mins | +90/+3 in 90 mins | +90/+3 in 90 mins | +90/+3 in 90 mins | +90/+3 in 90 mins | +90/+3 in 90 mins | +90/+3 in 90 mins | +90/+3 in 90 mins |
| Power Supply | 220V/240V 50Hz/1Ph | 220V/240V 50Hz/1Ph | 220V/240V 50Hz/1Ph | 220V/240V 50Hz/1Ph | 380V/440V 3Ph | 220V/240V 50Hz/1Ph | 220V/240V 50Hz/1Ph | 220V/240V 50Hz/1Ph | 220V/240V 50Hz/1Ph | 380V/440V 3Ph |
| Fuse (Amps) | 13 | 13 | 16 | 16 | 16 | 13 | 13 | 16 | 16 | 16 |
| Defrost | Automatic hot gas defrost. Electric door mullion heaters | | | | | | | | | |

Fittings

| | | | | | | | | | | |
|------------|---------|---------|----------|----------|----------|---------|---------|----------|----------|----------|
| Trayslides | 3 pairs | 6 pairs | 10 pairs | 10 pairs | 13 pairs | 3 pairs | 6 pairs | 10 pairs | 10 pairs | 13 pairs |
|------------|---------|---------|----------|----------|----------|---------|---------|----------|----------|----------|

Electrical Data

| | | | | | | | | | | |
|-----------------|------|------|------|------|------|------|------|------|------|------|
| Refrigerant | 452A | 452A | 452A | 452A | 452A | 452A | 452A | 452A | 452A | 452A |
| Start Up (Amps) | 21 | 34 | 47 | 47 | 25 | 21 | 34 | 47 | 47 | 25 |
| Running (Amps) | 4 | 6 | 9.9 | 9.9 | 5.8 | 4 | 6 | 9.9 | 9.9 | 5.8 |
| Heat Rejection* | 1504 | 2439 | 3847 | 3847 | 4660 | 1504 | 2439 | 3847 | 3847 | 4660 |

Energy Information

| | | | | | | | | | | |
|-----------------------------------------------------------|---------------|-------|------|-------|-------|-------------------------|-------|-------|-------|--------|
| Type of Product: | Blast Chiller | | | | | Blast Chiller / Freezer | | | | |
| Refrigerant Fluid (GWP) | R452A (2140) | | | | | R452A (2140) | | | | |
| Blast Chill Cycle | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Blast Freeze Cycle | No | No | No | No | No | Yes | Yes | Yes | Yes | Yes |
| Energy Consumption for Chilling Function Chilled (kWh/kg) | 0.152 | 0.108 | 0.12 | 0.096 | 0.078 | 0.152 | 0.108 | 0.12 | 0.096 | 0.078 |
| Energy Consumption for Freezing Function (kWh/kg) | - | - | - | - | - | 1.7 | 0.878 | 1.202 | 1.372 | 0.6785 |
| Refrigerant Charge (kg) | 0.825 | 1.4 | 2.05 | 2.05 | 3 | 0.825 | 1.4 | 2.05 | 2.05 | 3 |

IMPORTANT NOTES:

*Heat rejection is evaporating at -10°C in 32°C Ambient

Williams is committed to a policy of continual product development and innovation. As such, we reserve the right to change product specifications stated without prior notice.

All refrigeration equipment requires adequate ventilation for efficient and effective performance.

The WBC50 and WBCF50 requires connection to a main drain using a 19mm ID flexible pipe.

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