

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
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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
- 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
- Connection to third party supervisory communication systems such as BMS is possible using proprietary equipment. Please contact Williams for more information.

OPTIONS

- Adjustable legs
- Stainless steel back
- 1/1 GN Shelves
- High quality thermal printer



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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
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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:

*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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