

COSSIGA
cossiga STGRF6 Tower
Counter Refrigerated



cossiga STGRF6 Tower Counter Refrigerated Owner's Manual

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cossiga STGRF6 Tower Counter Refrigerated



Specifications

- **Model:** STGRF6, STGRF6-SD, STGRF9, STGRF9-SD, STGRF12, STGRF12-SD, STGRF15, STGRF15-SD
- **Dimensions:** Vary based on model
- **Operating Temperature:** 3-5°C
- **Shelving:** Two adjustable shelves, flat or angled
- **Lighting:** Under shelf and canopy LED lights
- **Refrigerant:** R290
- **Power:** Varies based on model
- **Voltage:** 220-240V
- **Maximum Shelf Load Weight:** 15kg spread evenly

Product Usage Instructions

Cabinet Placement

Ensure the tower is placed in a bench with specific cutout dimensions as mentioned in the manual. Remove feet for drop-in installations and use the supplied PVC wedge strip for proper installation.

Tower Air Flow Considerations

Ensure proper air flow by following the rear view guidelines. Consider using an extract fan if hot air is not venting adequately. Joinery divider panels can help create a sealed air intake plenum.

Joinery to Rear Wall with Vent

Install horizontal vents in the cabinet top for hot air extract. Electric biscuit fans can be fitted for mechanical extract. Allow access for cleaning, servicing, and waste evaporator water removal.

FAQ

- **Q: What is the operating temperature range for the tower?**

- A: The operating temperature range is 3-5°C for all models.

- **Q: How should I place the tower in a bench?**

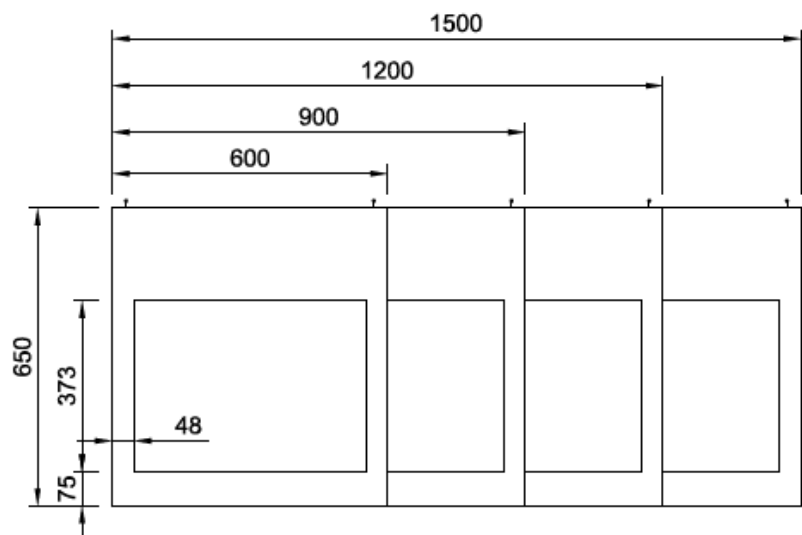
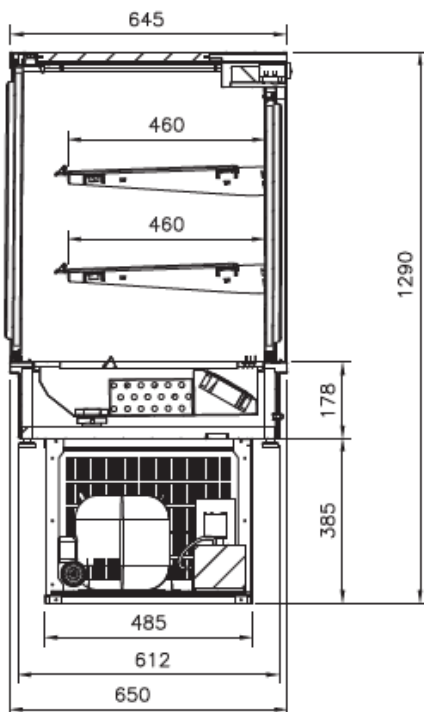
- A: Follow the detailed cutout dimensions provided in the manual. Remove feet for drop-in installations and use the supplied PVC wedge strip for proper installation.

- **Q: What refrigerant does the tower use?**

- A: The tower uses R290 refrigerant for cooling.

TOWER COUNTER SERIES REFRIGERATED

- Heated double glazed glass top, sides and front
- Heated rear sub frame
- Argon filled rear doors
- Sliding rear doors
- Solid front or sliding front doors Deck forced refrigeration
- Two adjustable shelves – flat or angled Ticket strips on shelves and base Under shelf and canopy LED lights
- Integral condenser
- Solid glass front – optional
- STGRF6 hinged rear door



CABINET DIMENSIONS & SPECIFICATIONS

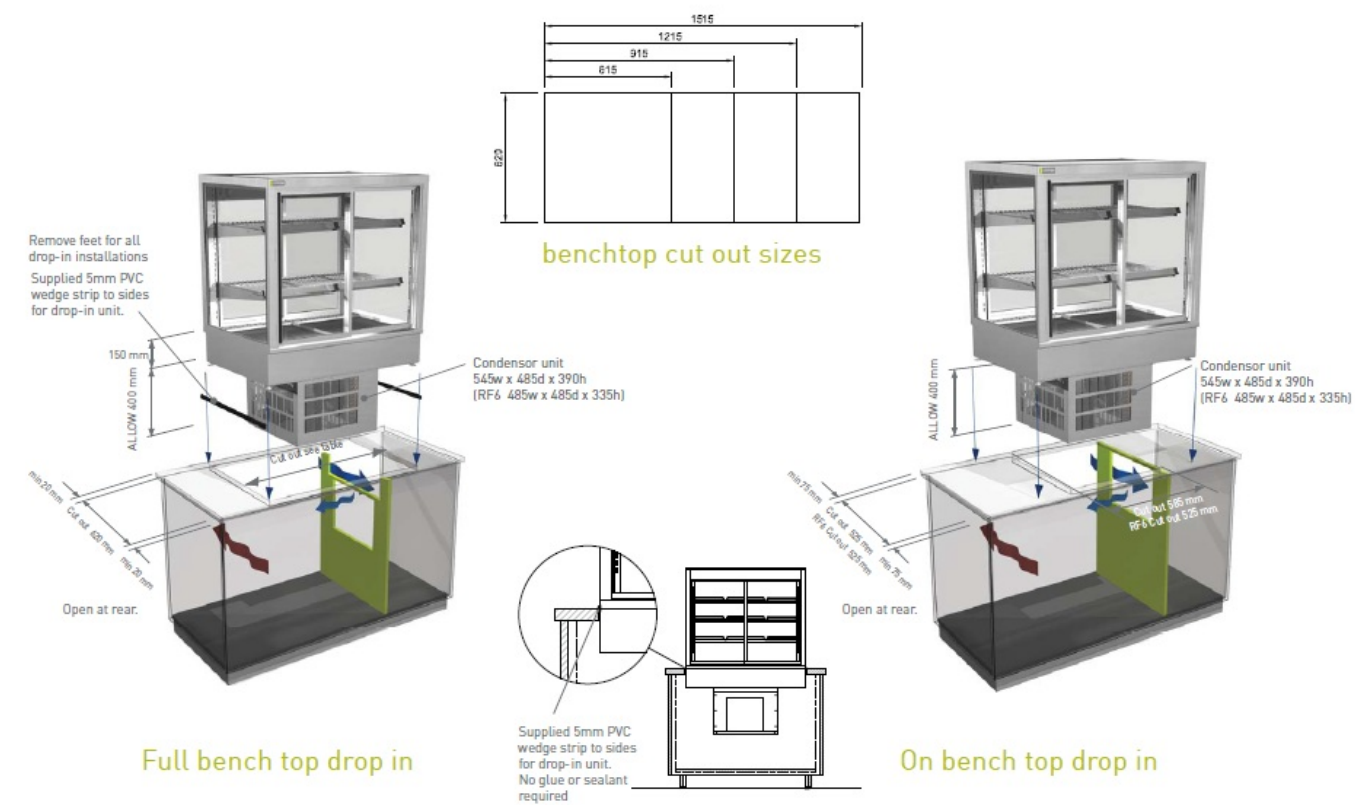
MODEL	CABINET			SHEL VING	SHEL VING	OPE RATING TEM P	SH ELF	BA SE TRAY	T O T A L F O O D	DI S P L A Y M 2	IN TE R N A L V O L U M E M 3	F R E Q U E N C Y	R E F R I G E R A N T	POW ER		CONN ECTIO N ELE CTRIC AL POW ER C ORD 200MM		V O L T A G E	PACKED FOR S HIPPI NG			
	L E N G T H [M M]	D E P T H [M M]	H E I G H T [M M]	W E I G H T K G		D E G C	W X D	W X D	10 0 M M U N I T S					K W 2 3 0 V	A M P	N Z/ A U S 10 A M P	U K 13 A M P		L E N G T H [M M]	D E P T H [M M]	H E I G H T [M M]	W E I G H T
ST G RF 6 ST G RF 6-S D	60 0	6 5 0	9 2 5	14 3	2 + B A S E	3- 5	490 X 4 45	54 0 x 41 5	86	0. 61	0. 29	50 /6 0 H Z	R2 90	1. 0 1	4. 3	3 P I N P L U G	3 P I N P L U G	22 0- 24 0V	70 0	73 0	14 50	15 0
ST G RF 9 ST G RF 9-S D	90 0	6 5 0	9 2 5	17 8	2 + B A S E	3- 5	790 X 4 45	84 0 x 41 5	13 6	0. 96	0. 45	50 /6 0 H Z	R2 90	1. 0 6	4. 6	3 P I N P L U G	3 P I N P L U G	22 0- 24 0V	10 00	73 0	14 50	18 5
ST G RF 12 ST G RF 12 -S D	12 00	6 5 0	9 2 5	21 2	2 + B A S E	3- 5	109 0 X 445	11 40 x 4 15	17 5	1. 32	0. 60	50 /6 0 H Z	R2 90	1. 1 5	5. 0	3 P I N P L U G	3 P I N P L U G	22 0- 24 0V	13 00	73 0	14 50	21 9

ST G RF 15 ST G RF 15 -S D	15 00	6 5 0	9 2 5	24 3	2 + B A S E	3- 5	139 0 X 445	14 40 x 4 15	28 5	1. 67	0. 75	50 /6 0 H Z	R2 90	1. 2 4	5. 4	3 P I N P L U G	3 P I N P L U G	22 0- 24 0V	16 00	73 0	14 50	30 0
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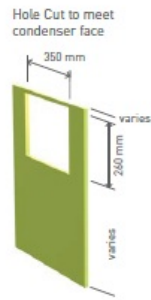
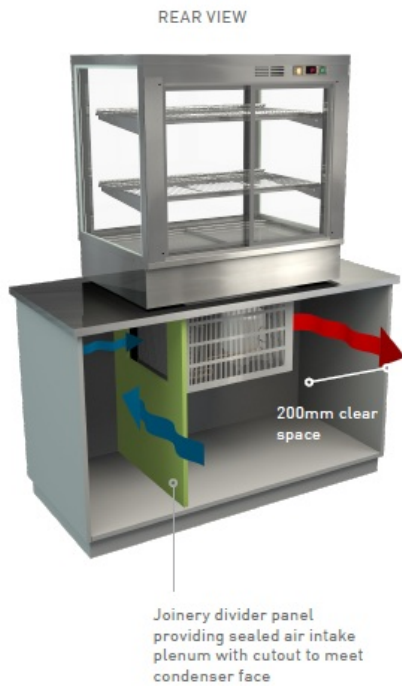
Maximum shelf load weight 15kg spread evenly

- **SLIDING FRONT DOORS** and rear glass sliding doors STGRF-SD
- **SOLID FRONT** and rear glass sliding doors STGRF

PLACED IN BENCH DETAIL



AIR FLOW CONSIDERATIONS



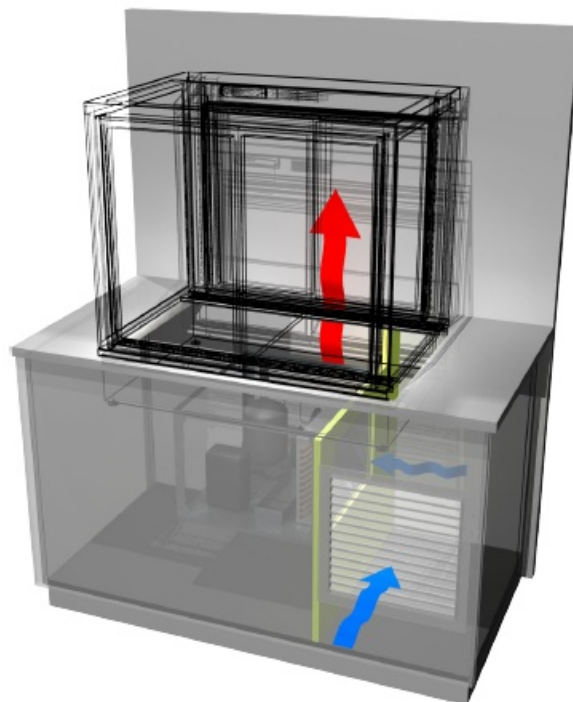
UNITS SHOWN FROM REAR VIEW



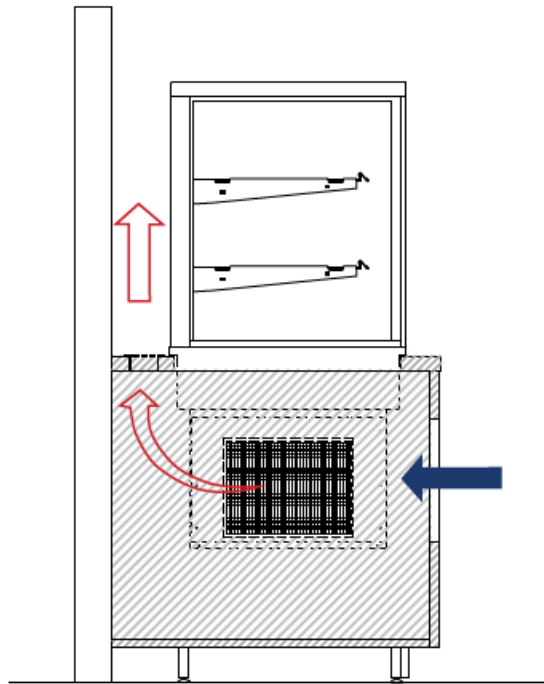
Ideal configuration cabinet open at rear

Cabinet with vented rear doors

JOINERY TO REAR WALL WITH VENT

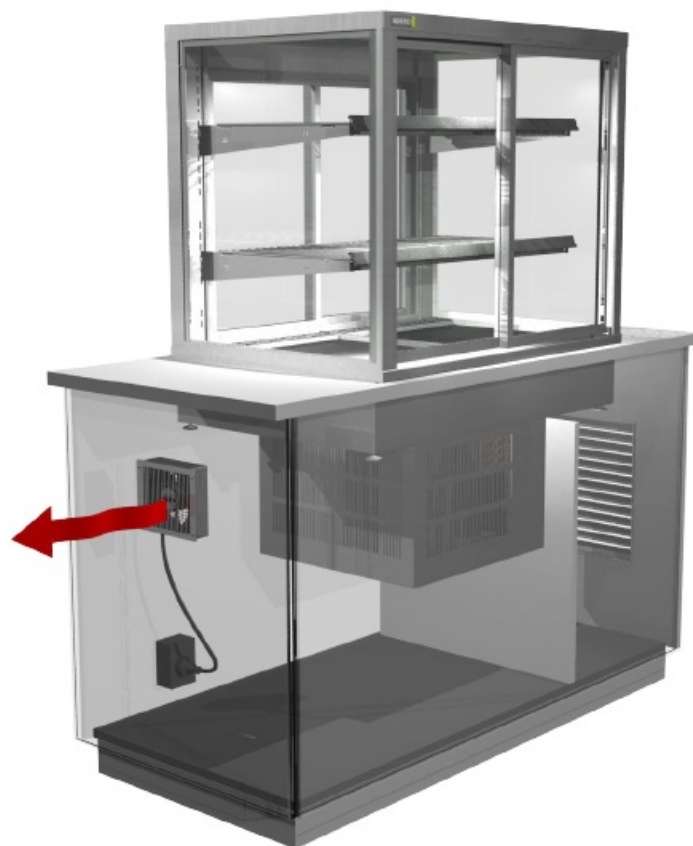


- Horizontal vent in cabinet top for hot air extract
- Electric biscuit fans can also be fitted to provide mechanical extract Ambient air ducted in to compressor face through air plenum space Joinery divider panel providing sealed air intake plenum with cut out to meet condensor face
- Allow access for cleaning, servicing and waste evaporator water removal



- Ambient air is drawn into front vented area
- Hot air must escape joinery cabinet
- A horizontal vent should be used behind the unit Vent must be at least 100mm deep and as wide as unit

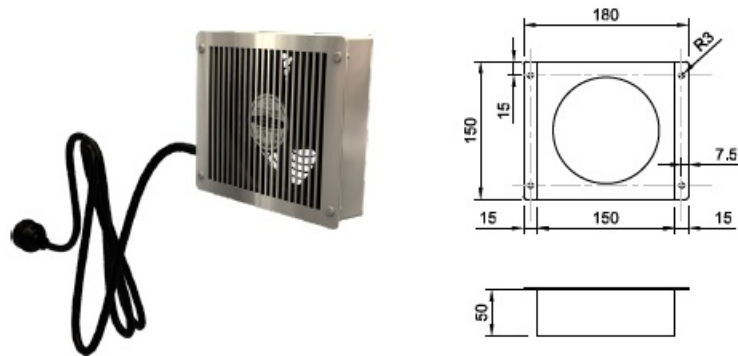
EXTRACTION FAN – VENTILATION GRILL



EXTRACTION FAN

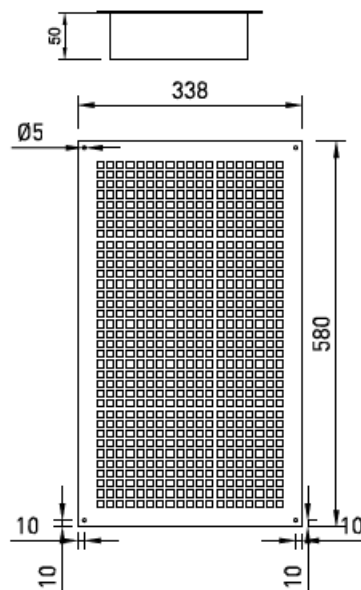
- Extract hot air from box joinery

- Fan and power cable supplied, screw fixed to joinery
- Electrical power cord 2000mm 3 pin 10 amp 1 phase socket required Fan 230v ~ 50Hz – 60Hz – 19 Watt in stainless steel case
- Cossiga part number X000611 Extraction Fan

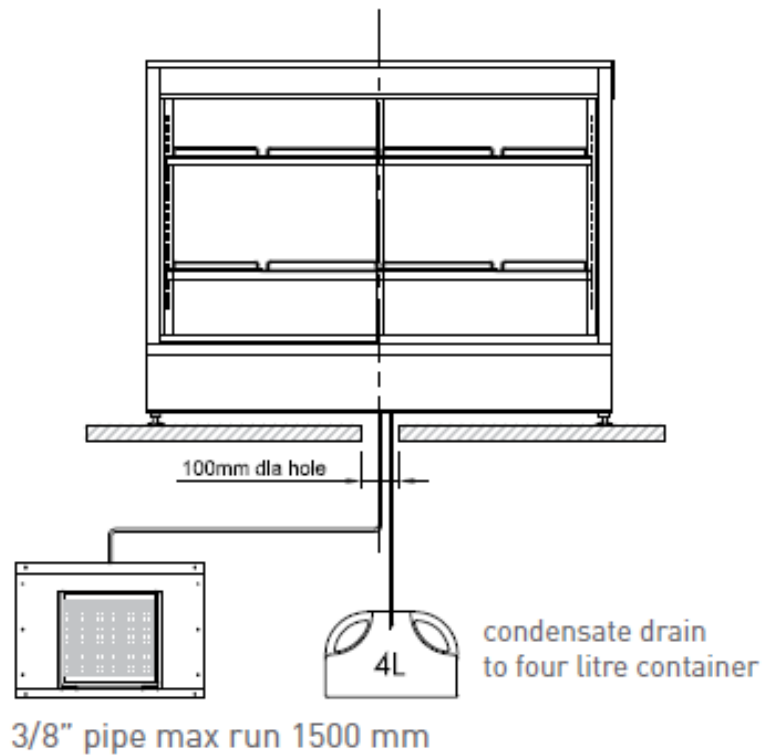


VENTILATION GRILL

- Stainless steel construction
- Hole cut out size 540 mm x 298 mm
- Square grille holes 10mm x 10mm
- Cossiga part number X000765 Ventilation Grill Screws not included



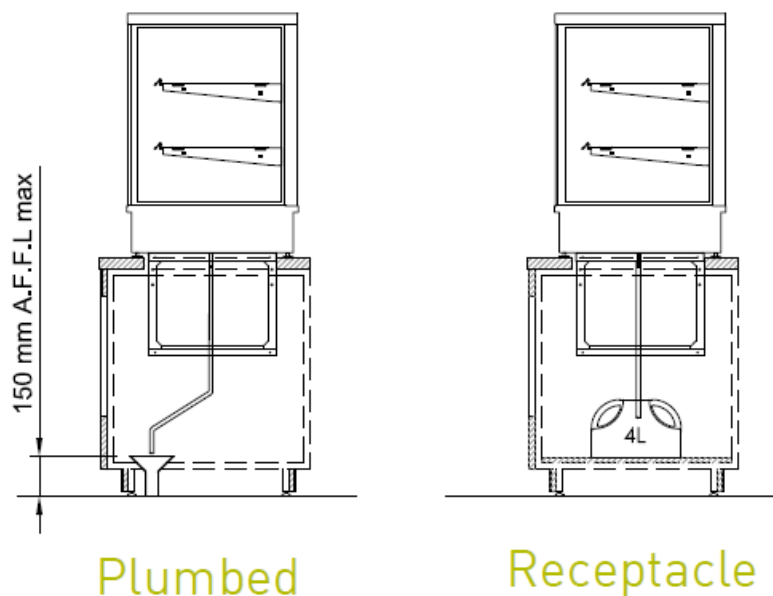
REFRIGERATED SERVICES INFORMATION



- Vertical pipe runs are not recommended
- Pipe runs over 150mm :
- Expansion valve will need to be fitted
- Correctly sized condensing unit fitted
- Correct pipe size determined

REMOTE COMPRESSOR INSTALLATION

DRAINAGE RECOMMENDATIONS for high humidity locations



As standard units are self evaporating to a receptacle in the condenser unit. In areas of high humidity it is recommended by-passing the evaporator dish. A plastic hose can be attached to the end of the condensate drain and re-directed as shown.

PLUMBED TUNDISH DRAINAGE

- Maximum 150 mm above finished floor level
- Drainage to building waste
- Building waste by client

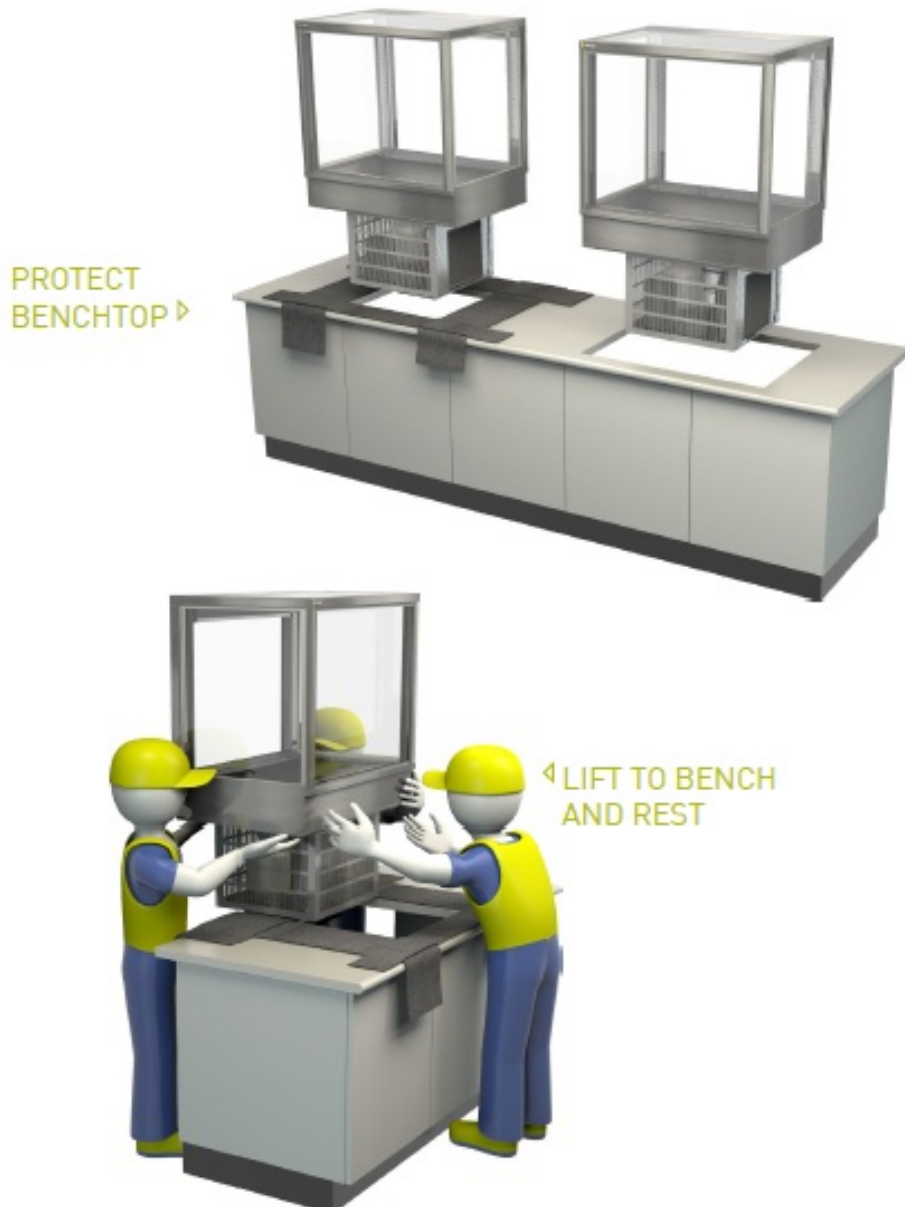
FREE STANDING RECIPIENT

- Receptacle placed under unit to receive condensate waste
- Dispose of waste water daily

TO BE CONSIDERED FOR HIGH HUMIDITY SITES WITH ACCESS TO DRAINAGE

IN BENCH INSTALLATION

THESE UNITS ARE HEAVY AND REQUIRE LIFTING INTO BENCH TOPS



REMOVE

To reduce weight remove

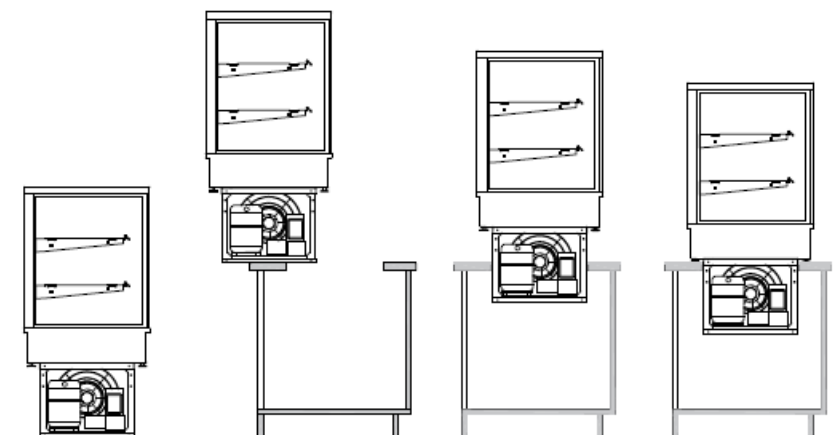
- All doors
- Shelving
- Base plates



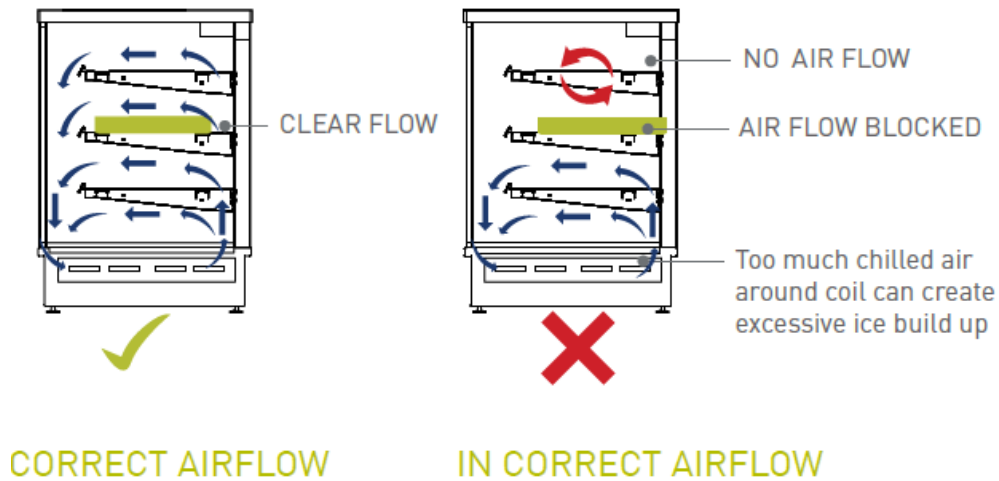
PLAN AHEAD

- Have plenty of labour on hand
- Use a mechanical lifting device – optional
- Check bench top hole measurement
- Ensure enough clear depth in cabinet work
- Protect bench top with a mat or similar
- Pre-adjust unit feet if needed

All accepted local safety work wear and standards should be adhered to with a safety programme developed before undertaking of this kind of lifting work



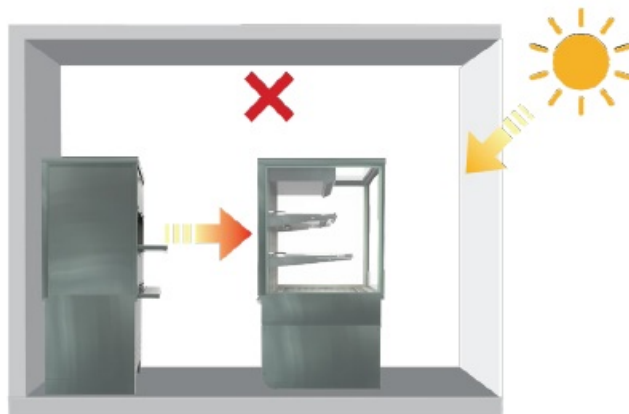
UNIT PLACEMENT GUIDE



- Blocked air flow will retard operation on both HOT and COLD units
- Ensure trays or plates are not blocking air flow at rear

Locations to avoid Cold air disrupted

- Close to shop front exterior
- In an outside location
- In direct sunlight
- In a high wind
- Near any source producing excessive heat
- Service units more frequently in dusty or polluted areas



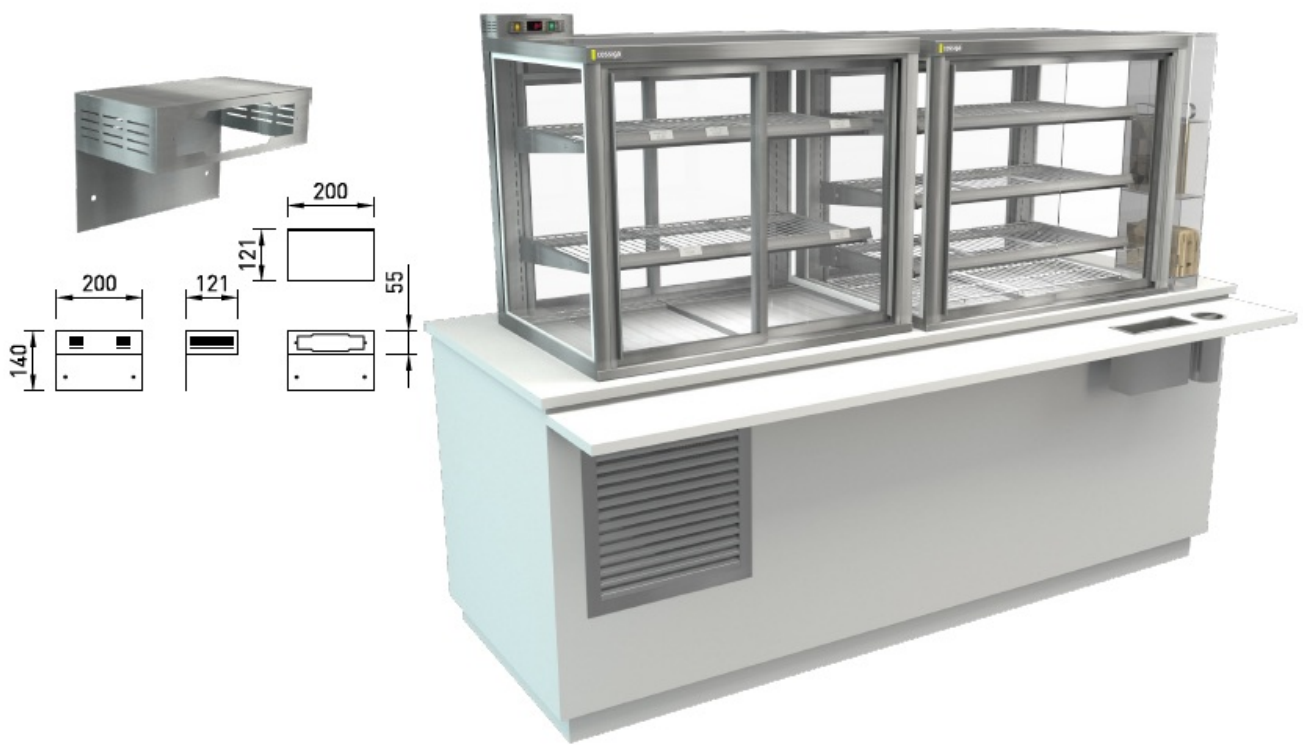
Environmental conditions

Heat from other equipment and natural conditions, such as direct sunlight straight on units, can cause cooling to fail and overload compressor

ACCESSORIES

Top Mounted Controller Panel

- For against wall installations
- Sold individually



Ventilation Grill

- Stainless Steel
- Sold individually



Humidity Dish

- Stainless Steel
- Perforated lid is removable



Base Tray – Heated Units

- Stainless Steel
- For heated units Sold in pairs



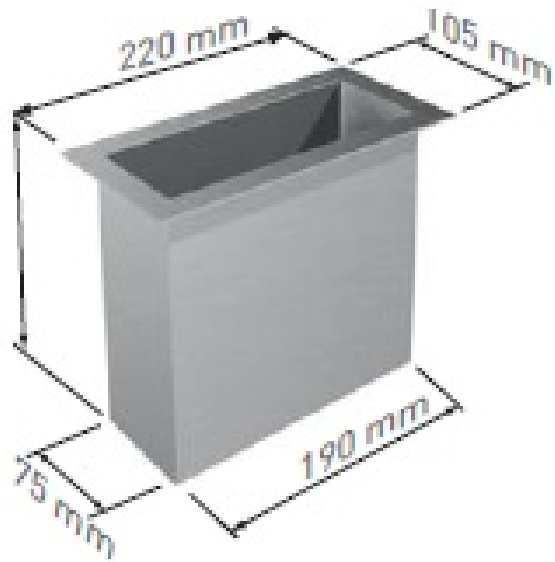
Tong Holder

- Stainless Steel
- Drop into counter tray race Sold individually

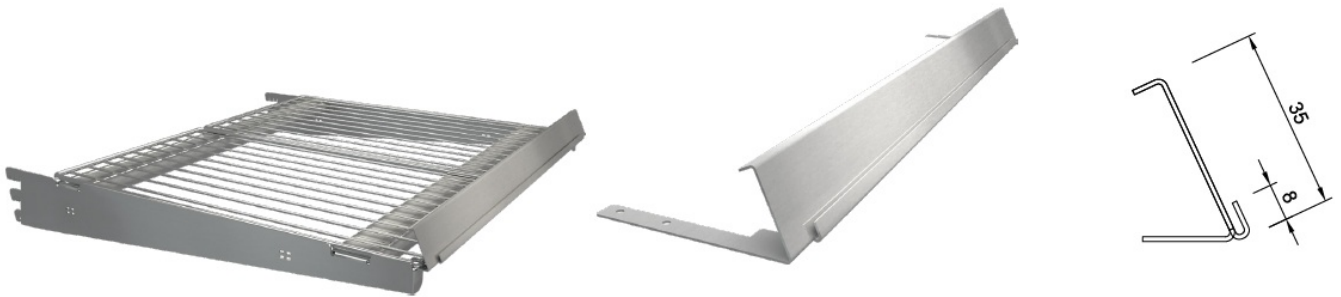


Bag Holder

- Stainless Steel
- Drop into counter tray race Solid individually



TICKET STRIP



- Shelf with ticket strip attached
- **Ticket Strip**
 - Stainless Steel
 - Attaches to shelf frame
- End Profile

Lengths

CABINET LENGTH MM	TICKET STRIP LENGTH
600	475
900	775
1200	1075
1500	1375

Price Tabs

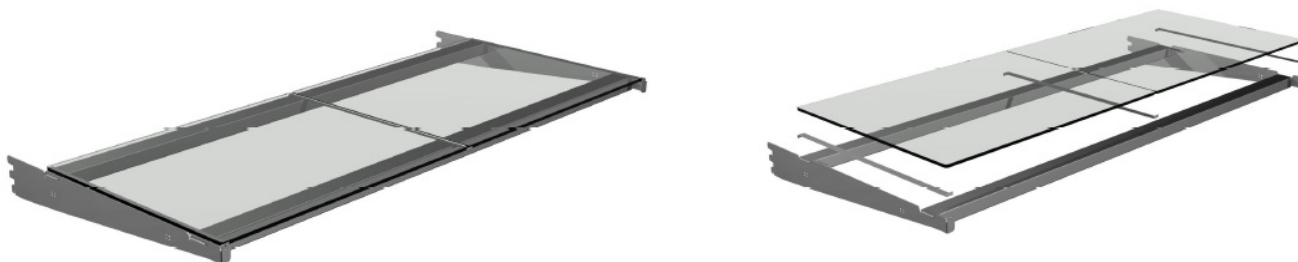
- Stainless Steel
- Write on with marker or adhesive tape Measure 60mm x 30mm
- Sold in packs of 20



GLASS SHELVING

Glass Shelf Options

Standard wire racks are removed and replaced with 6mm toughened glass panes



Maximum shelf load weight 15kg spread evenly

MODEL	GLASS	WIDT H MM	DEPTH MM	PER S HELF P ANES	SHELVES	TOTAL P ANES
STGRF6	6MM TOUGHENED – POLISHED EDGES	240	385	2	2	4
STGRF9	6MM TOUGHENED – POLISHED EDGES	390	385	2	2	4
STGRF12	6MM TOUGHENED – POLISHED EDGES	540	385	2	2	4
STGRF15	6MM TOUGHENED – POLISHED EDGES	690	385	2	2	4
STGAB6	6MM TOUGHENED – POLISHED EDGES	240	385	2	3	6
STGAB9	6MM TOUGHENED – POLISHED EDGES	390	385	2	3	6
STGAB12	6MM TOUGHENED – POLISHED EDGES	540	385	2	3	6



Support bracket

HEATED UNITS ACCESSORIES

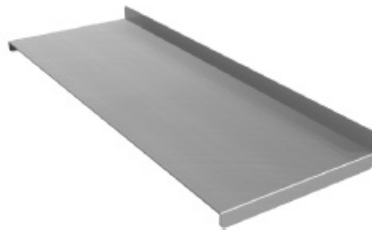
Mirror film

- Applied to the inside glass rear doors
- Suitable for heated and chilled units



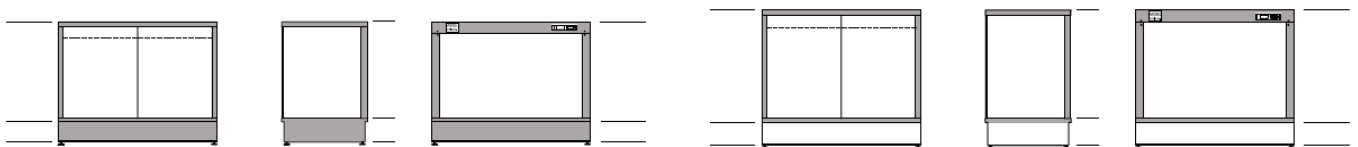
Pie Trays

- Stainless Steel Construction
- Placed on shelves for heated food items



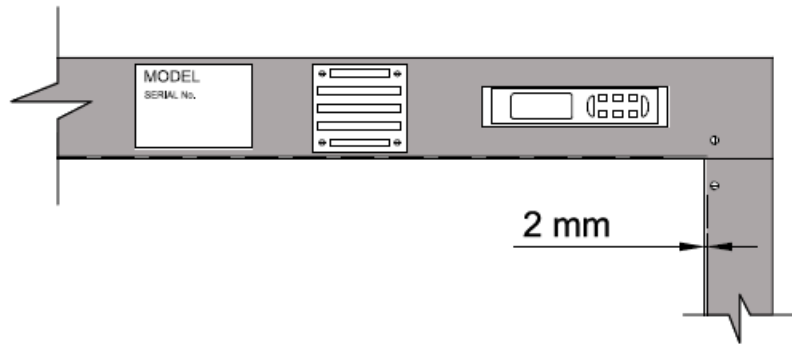
MODEL	CODE	QUANTITY	PIE TRAYS			TOTAL	TRAY WIDTH
			1ST SHELF DEPTH	2ND SHELF DEPTH	3RD SHELF DEPTH		
STGHT6	AA16015	4 Per Shelf	400MM	365MM	400MM	12 Trays	120MM
STGHT9	AA16016	6 Per Shelf	400MM	400MM	400MM	18 Trays	130MM
STGHT12	AA16017	9 Per Shelf	400MM	400MM	400MM	27 Trays	120MM

COLOUR WRAP OPTIONS



COUNTER TOP MODEL –

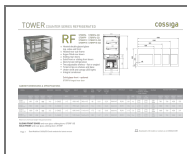
- all exterior visible areas covered
- all exterior top visible areas covered



- 2mm gap left around rear frame
- Rear of units cut around serial number plate, exhaust fan and controller



Documents / Resources



[cossiga STGRF6 Tower Counter Refrigerated](#) [pdf] Owner's Manual
STGRF6, STGRF6 Tower Counter Refrigerated, Tower Counter Refrigerated, Counter Refrigerated, Refrigerated

References

- [C Making Food Look Great - Cossiga](#)
- [User Manual](#)

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