

**SERIES 9 INTEGRATED COOLDRAWER™**

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# PLANNING GUIDE

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**RB90S64MKIW1**

INTRODUCTION

This comprehensive planning guide provides you with the framework and tools to achieve your desired design outcome with Fisher & Paykel appliances. In this guide, you will find a range of conceptual, detailed, and dimensional product information to bring your ideas to life and create spaces that truly reflect your vision.

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SUPPORT

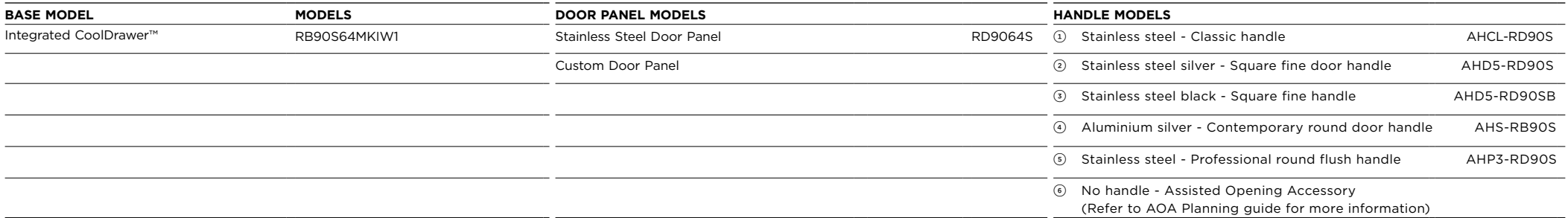
For additional design planning and installation support please contact the Fisher & Paykel design support team.  
**designsupport@fisherpaykel.com**

NOTES

The models shown in this Planning Guide may not be available in all markets and are subject to change at any time. Refer to our website [fisherpaykel.com](https://fisherpaykel.com) for the latest document version. Product specifications may vary from those shown. This Planning Guide should not be used as installation guidance for any product. Specific installation guidance will be available with the product on delivery and on our website.

CONCEPT DESIGN	PAGE	DEVELOPED AND DETAILED DESIGN	PAGE	DEVELOPED AND DETAILED DESIGN	PAGE
DESIGN CHOICES		DATA SHEETS		SERVICES	
Purchase Decisions	4	Main Body (No Door Panel)	9	Electrical Specifications	21
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## DESIGN CHOICES



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## SPECIFICATION GUIDE



**OVERVIEW**

Designed for seamless integration, the CoolDrawer™ provides adaptable cooling for any space with five temperature modes; Freezer, Fridge, Pantry, Chill, and Wine. Its fully extendable drawer and touch control panel ensure effortless operation, while panel-ready design options allow for a flush, cohesive look. Ideal for custom kitchens and multi-functional spaces, it delivers both form and function.

**PRODUCTS**

**RB90S64MKIW1**  
90cm Series 9  
Integrated CoolDrawer™ Multi-temperature Drawer

**FEATURES**

- ① Suitable for a wide range of spaces, from kitchens to entertainment areas - offering versatile cooling solutions
- ② Five temperature modes; Freezer, Fridge, Pantry, Chill, and Wine
- ③ Designed for flush installation with minimal 4mm gaps, ensuring a seamless integrated look
- ④ Panel-ready design allows for stainless steel or custom finishes, blending effortlessly with cabinetry
- ⑤ Intuitive touch controls enable effortless temperature adjustments.
- ⑥ Full-extension drawer glides smoothly for easy access to stored items
- ⑦ LED lighting illuminates the interior, enhancing visibility and ease of use.
- ⑧ ActiveSmart™ Foodcare helps keep food fresher for longer

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SPECIFICATIONS

Model Number

RB90S64MKIW1 Series 9, Integrated CoolDrawer™

Weight

Packaged 67Kg

Unpackaged 58Kg

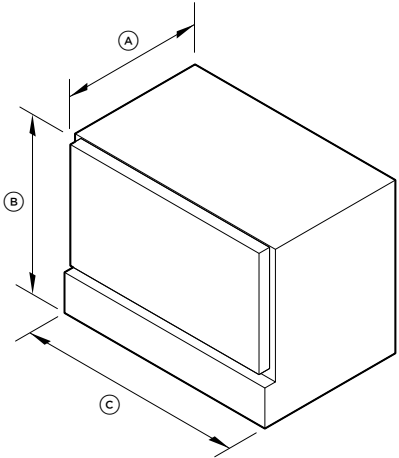
Electrical

Supply 230 V, 50 Hz

Service 10 A

Connection 3-pin earthing type

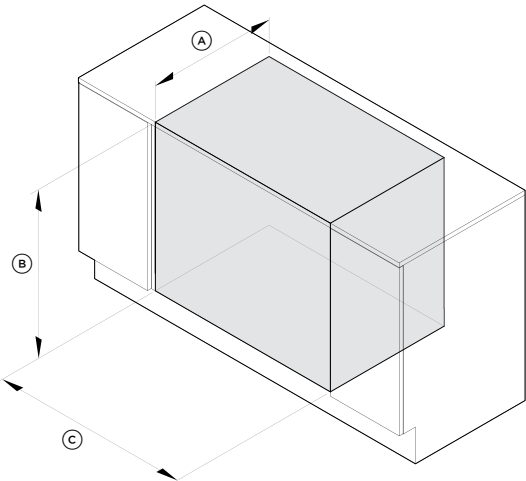
PRODUCT DIMENSIONS



ISOMETRIC VIEW

Product Dimensions		mm
A	Overall depth	557
B	Overall height	640
C	Overall width	855

CAVITY DIMENSIONS: STANDARD INSTALLATION



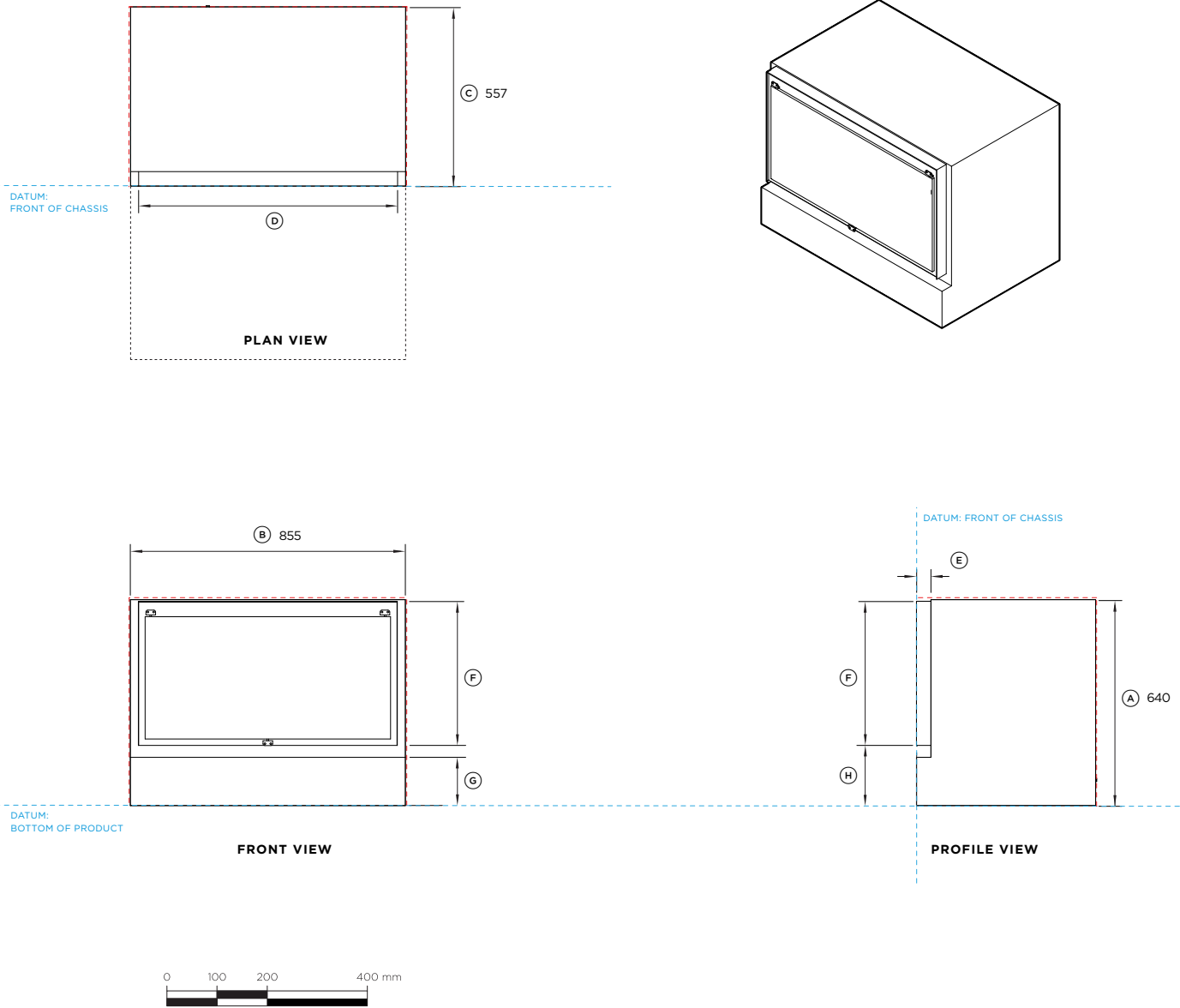
ISOMETRIC VIEW

Cavity Dimensions		mm
A	Minimum cavity depth	560
B	Minimum cavity height	644
C	Minimum cavity width	864

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## DATA SHEETS





**Model no:**  
**RB90S64MKIW1**    Series 9, Integrated CoolDrawer™

NOTE: Refer to the Purchase Decision page for all door panel and handle options, and to the Door Panel Options page for detailed panel information.

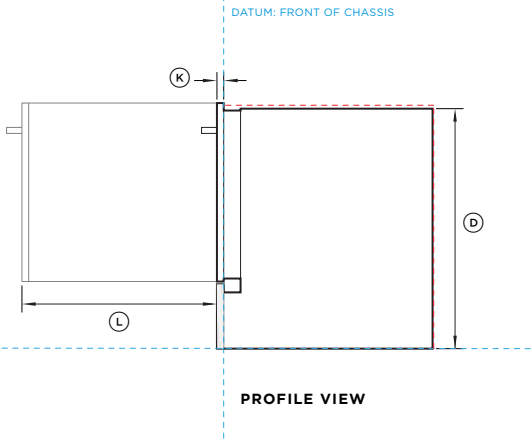
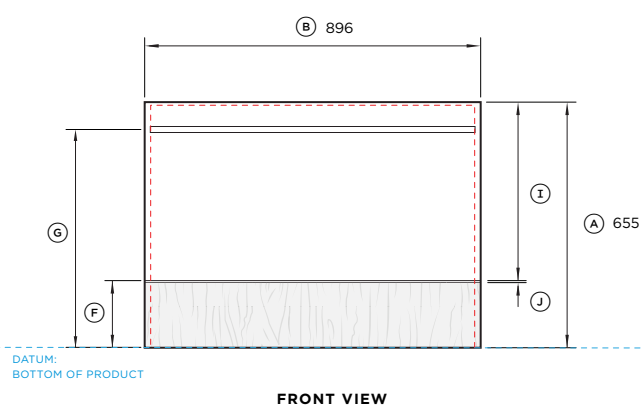
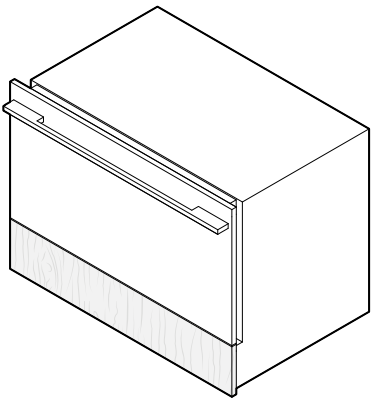
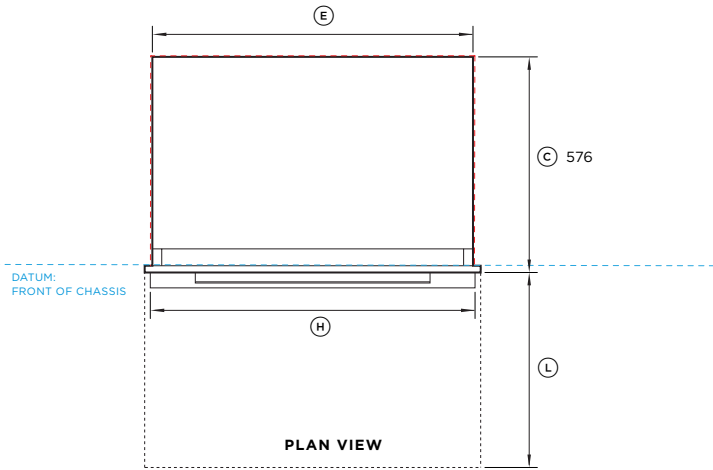
Product Dimensions		mm
A Overall height of product		640
B Overall width of product		855
C Overall depth of product (without handle and door panel)		557
D Width of inner door		805
E Thickness of inner door		45
F Height of inner door		448
G Height of lower chassis		150
H Height from base of product to base of door		187

Minimum Clearances		mm
Minimum inside height of cavity		644
Minimum inside width of cavity		864
Minimum overall depth of cavity		560
Minimum clearance to corner cupboard		13
Minimum clearance to adjacent cupboard door		2
Minimum clearance to underside of benchtop		2

NOTE: For venting consideration for the toe kick design, please refer to the venting page and installation guide. Custom door panels, toekick and handles to be manufactured / fitted by cabinetmaker.

- INDICATES CABINETRY / PRODUCT DATUM
- INDICATES CABINETRY CLEARANCES
- INDICATES CUTOUT

IMPORTANT NOTE: Throughout this guide, dimensions may vary by ±2mm (1/16"). Please read the installation manual for detailed information on installing the product. For full installation instructions & specifications visit [fisherpaykel.com](https://fisherpaykel.com)



**Model no:**  
**RB90S64MKIW1**    Series 9, Integrated CoolDrawer™

**Shown with:**  
RD9064S    Stainless Steel Door Panel  
AHD5-RD90S    Contemporary Square Fine Handle\*

\* Not supplied. Custom door panels to be manufactured / fitted by cabinetmaker.  
Handle dimensions identical between colour variants.

NOTE: Refer to the Purchase Decision page for all door panel and handle options, and to the Door Panel Options page for detailed panel information.

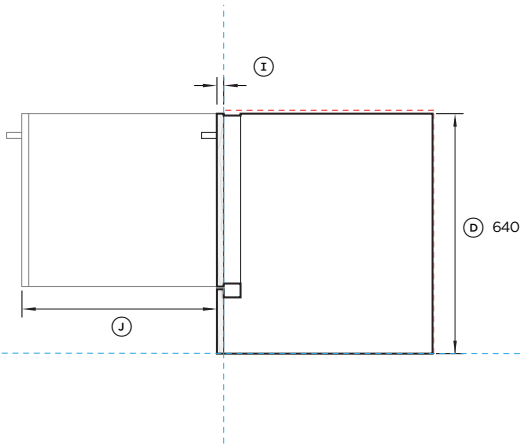
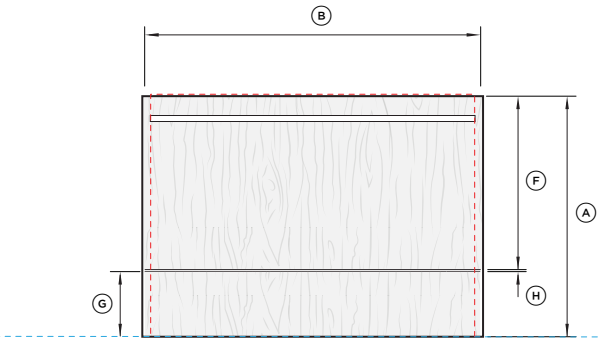
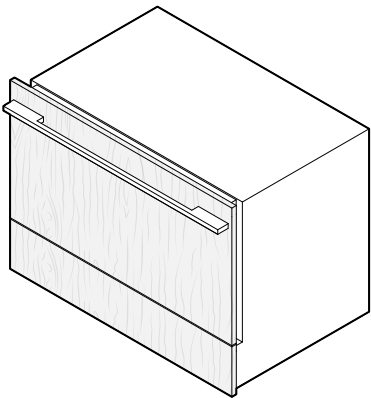
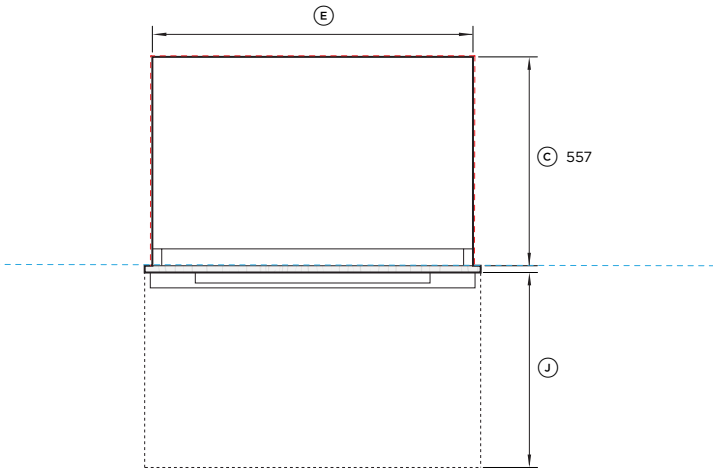
Product Dimensions	mm
(A) Overall height of product	655
(B) Overall width of product	896
(C) Overall depth of product (Excluding handle)	576
(D) Height of chassis	640
(E) Width of chassis	855
(F) Height from bottom datum to bottom of drawer panel	175
(G) Height from bottom datum to centre of handle	582
(H) Width of handle	866
(I) Height of stainless steel door panel	476
(J) Minimum clearance between panels	4
(K) Thickness of door panel	19
(L) Maximum extension of drawer	527

Minimum Clearances	mm
Minimum inside height of cavity	644
Minimum inside width of cavity	864
Minimum overall depth of cavity	560
Minimum clearance to corner cupboard	13
Minimum clearance to adjacent cupboard door	2
Minimum clearance to underside of benchtop	2

NOTE: For venting consideration for the toe kick design, please refer to the venting page and installation guide. Custom door panels, toekick and handles to be manufactured / fitted by cabinetmaker.

----- INDICATES CABINETRY / PRODUCT DATUM  
----- INDICATES CABINETRY CLEARANCES  
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**Model no:**  
**RB90S64MKIW1**    Series 9, Integrated CoolDrawer™

**Shown with:**  
AHD5-RD90S    Custom Door Panel - Dual\*  
Contemporary Square Fine Handle\*\*

\* Not supplied. Custom door panels to be manufactured / fitted by cabinetmaker.  
\*\* Optional, not supplied. Custom handle can be used and adjusted to fit at any height within reason on a custom door panel.  
  
NOTE: Refer to the Purchase Decision page for all door panel and handle options, and to the Door Panel Options page for detailed panel information.

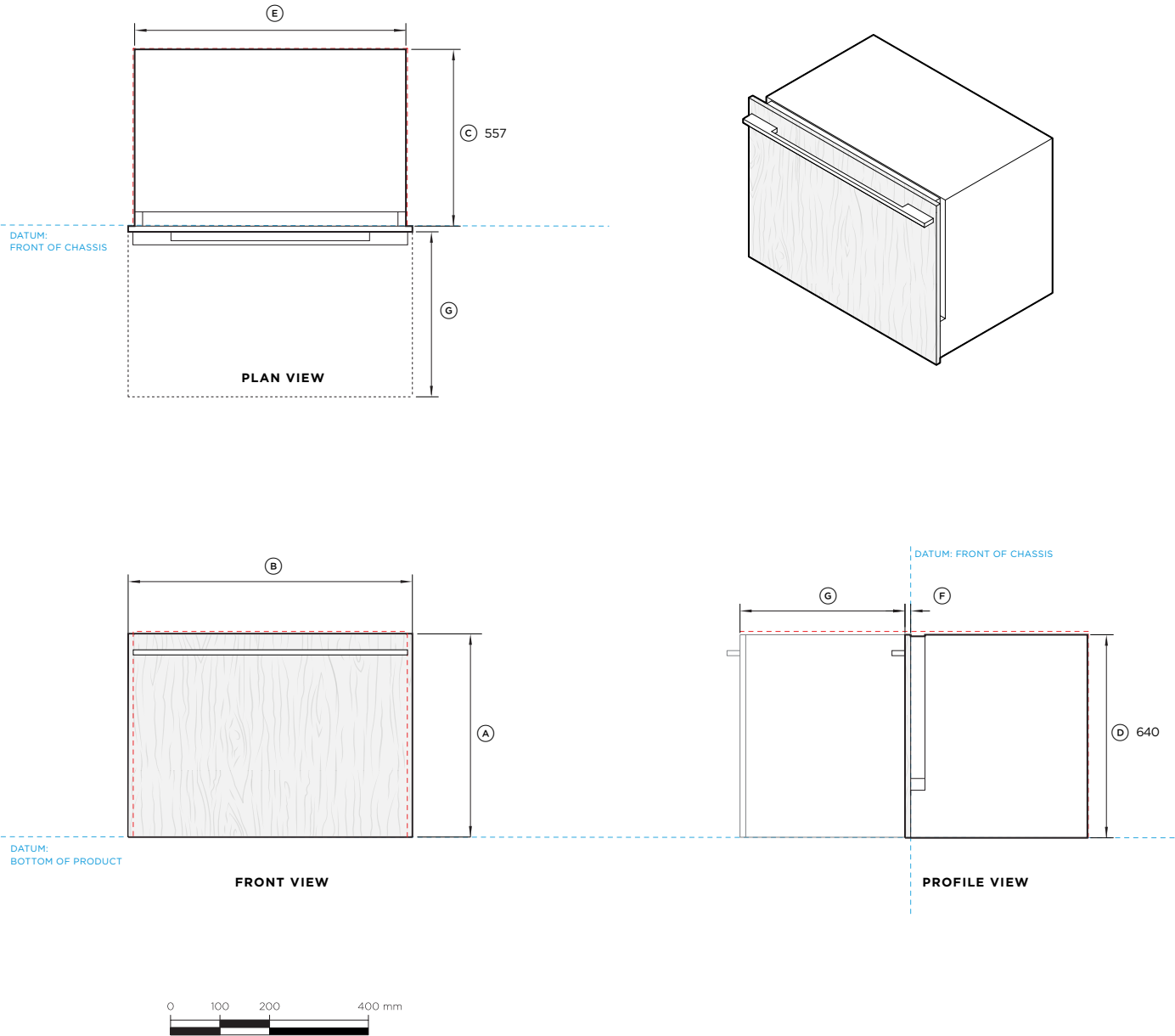
Product Dimensions		mm
A	Overall height of product	min 640
B	Overall width of custom door panel	min 860
C	Depth of chassis	557
D	Height of chassis	640
E	Width of chassis	855
F	Height of custom door panel*	min 456
G	Height from bottom datum to top of false panel	150 - 180
H	Minimum clearance between custom panels	4
I	Thickness of door panel	16 - 20
J	Maximum extension of drawer	527

Minimum Clearances		mm
Minimum inside height of cavity		644
Minimum inside width of cavity		864
Minimum overall depth of cavity		560
Minimum clearance to corner cupboard		13
Minimum clearance to adjacent cupboard door		2
Minimum clearance to underside of benchtop		2

NOTE: For venting consideration for the toe kick design, please refer to the venting page and installation guide. Custom door panels, toe kick and handles to be manufactured / fitted by cabinetmaker.

----- INDICATES CABINETRY / PRODUCT DATUM  
----- INDICATES CABINETRY CLEARANCES  
----- INDICATES CUTOUT

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**Model no:**  
**RB90S64MKIW1**    Series 9, Integrated CoolDrawer™

**Shown with:**  
AHD5-RD90S    Custom Door Panel - Single\*  
Contemporary Square Fine Handle\*\*

\* Not supplied. Custom door panels to be manufactured / fitted by cabinetmaker.  
\*\* Optional, not supplied. Custom handle can be used and adjusted to fit at any height within reason on a custom door panel.

NOTE: Refer to the Purchase Decision page for all door panel and handle options, and to the Door Panel Options page for detailed panel information.

Product Dimensions		mm
(A)	Overall height of custom door panel	min 640
(B)	Overall width of custom door panel	min 860
(C)	Overall depth of product (excluding handle and door panel)	557
(D)	Height of chassis	640
(E)	Width of chassis	855
(F)	Thickness of custom door panel	16-20
(G)	Maximum extension of drawer	527

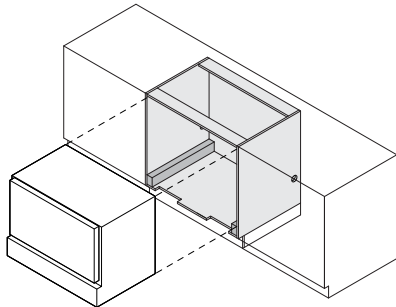
Minimum Clearances		mm
Minimum inside height of cavity		644
Minimum inside width of cavity		864
Minimum overall depth of cavity		560
Minimum clearance to corner cupboard		13
Minimum clearance to adjacent cupboard door		2
Minimum clearance to underside of benchtop		2

NOTE: For venting consideration for the toe kick design, please refer to the venting page and installation guide. Custom door panels, toekick and handles to be manufactured / fitted by cabinetmaker.

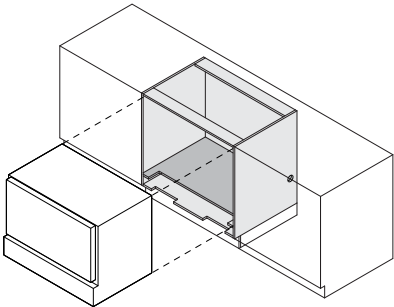
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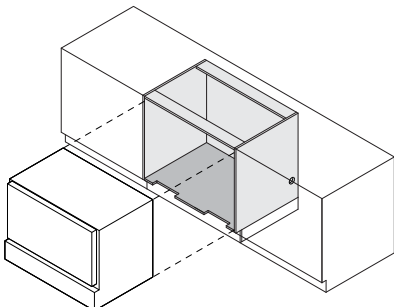
## VENTING SPECIFICATIONS



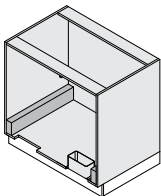
ISOMETRIC VIEW (PRODUCT AND CABINETY)



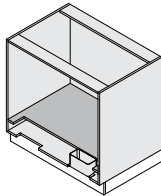
ISOMETRIC VIEW (PRODUCT AND CABINETY)



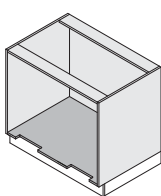
ISOMETRIC VIEW (PRODUCT AND CABINETY)



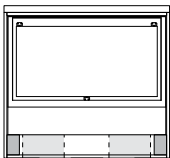
ISOMETRIC VIEW (CABINETY AND VENTING COMPONENTS)



ISOMETRIC VIEW (CABINETY AND VENTING COMPONENTS)

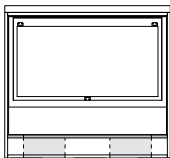


ISOMETRIC VIEW (CABINETY AND VENTING COMPONENTS)



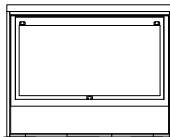
FRONT VIEW (PRODUCT AND CABINETY)

Min 50mm Toekick



FRONT VIEW (PRODUCT AND CABINETY)

Min 50mm Toekick



FRONT VIEW (PRODUCT AND CABINETY)

**COOLDRAWER™ ON SPACERS**

The CoolDrawer™ is elevated within the cabinetry, resting on a minimum of 20mm spacers on both sides to ensure adequate ventilation. For details on installation, please refer to the installation guide.

**COOLDRAWER™ ON FIXED SHELF**

The CoolDrawer™ is elevated within the cabinetry on a fixed internal shelf, which can be used as an alternative to spacers for positioning the drawer at the correct height. The shelf requires a critical rebate cut of at least 102mm in depth at the front to ensure proper clearance and ventilation. For details on installation please refer to installation guide.

**COOLDRAWER™ ON BASE SHELF**

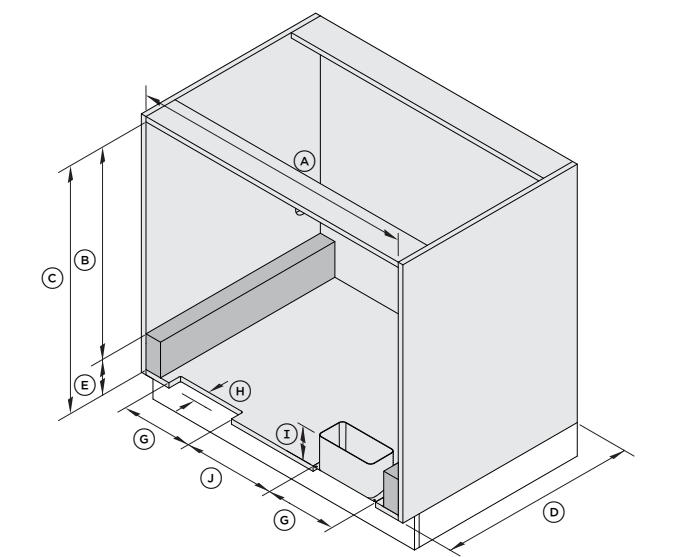
The CoolDrawer™ is placed directly on the bottom shelf without a spacer or internal shelf. This installation depends on the height of your cabinetry, which must be adjusted to accommodate the chassis and required cavity clearances. Bottom of the shelf/MDF shall be sealed to prevent moisture damage. For details on installation please refer to installation guide.

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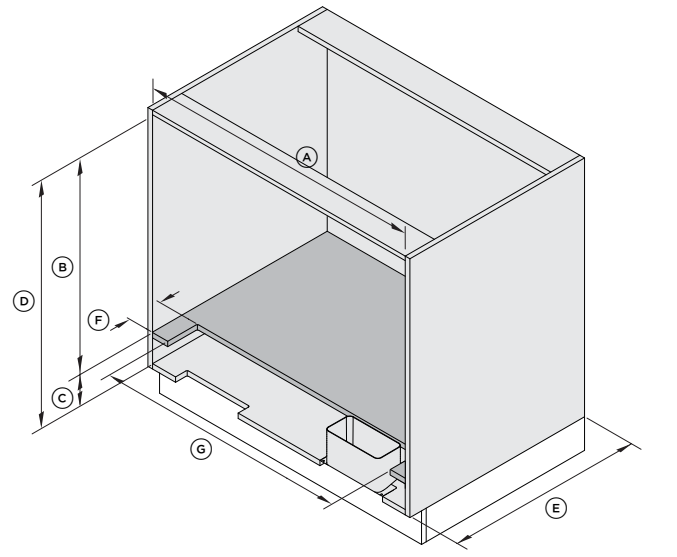
**COOLDRAWER™ ON SPACERS**

**COOLDRAWER™ ON FIXED SHELF**

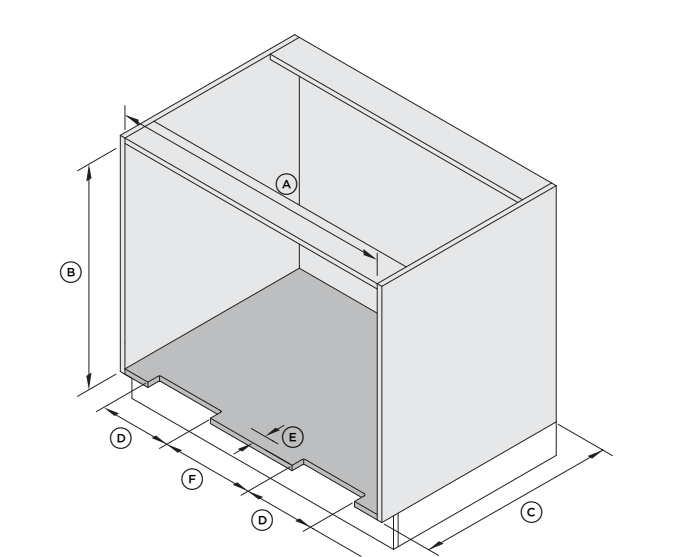
**COOLDRAWER™ ON BASE SHELF**



Dimensions	mm
A Width of cavity	min 864
B Height from top of spacer to inner face of cabinetry*	min 644
C Overall height of cavity	min 664
D Depth of cavity	min 560
E Height of spacer	20-120
F Width of spacer	50
G Width of vent duct cutout	215
H Depth of vent duct cutout	40
I Height of Vent duct	20-120
J Clearance between vent ducts cutouts	280



Dimensions	mm
A Width of cavity	min 864
B Height of cavity above internal shelf	min 644
C Height of internal shelf and cavity below	20-120
D Overall height of cavity	min 664
E Depth of cavity	min 560
F Depth of cutout at front end of internal shelf	min 102
G Width of internal shelf cutout	min 764



Dimensions	mm
A Width of cavity	min 864
B Height of cavity	min 644
C Depth of cavity	min 560
D Width of vent cutout	215
E Depth of vent duct cutout	40
F Clearance between vent ducts cutouts	280

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## DOOR PANEL OPTIONS



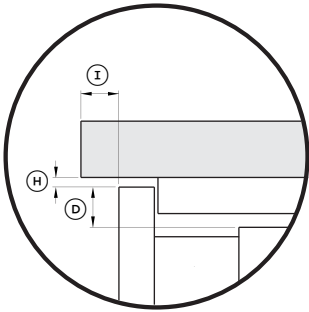
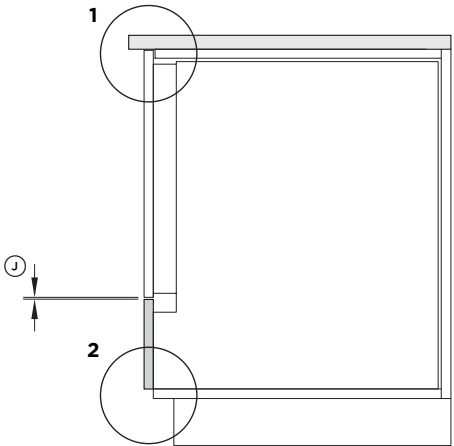
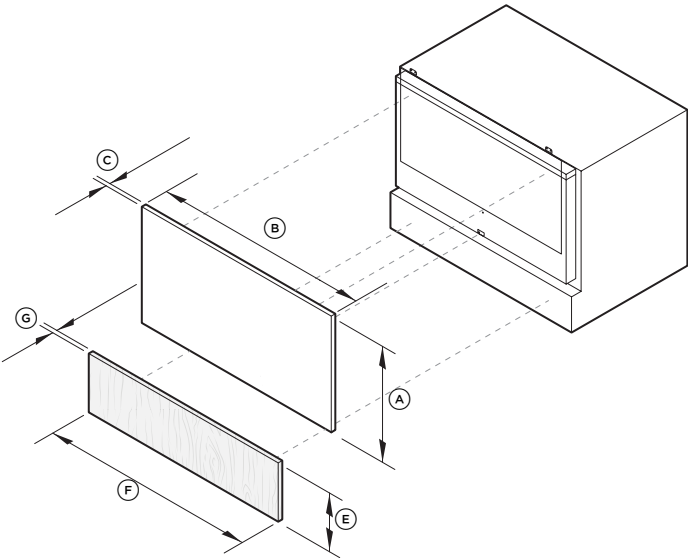
STAINLESS STEEL DOOR PANEL DIMENSIONS

**Model:**  
Series 9 Integrated CoolDrawer™ - RB90S64MKIW1

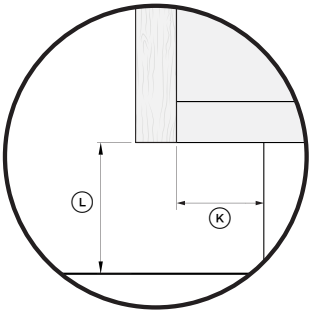
Drawer Panel Dimensions	mm
(A) Height of stainless steel door panel	476
(B) Width of stainless steel door panel	896
(C) Thickness of stainless steel door panel	19
(D) Top of chassis to top of steel door panel	15

False Panel Dimensions	mm
(E) Height of false panel	175
(F) Width of false panel	896
(G) Thickness of false panel	16 - 20

Clearance Dimensions	mm
(H) Clearance between top of door panel and underside of benchtop	min 2
(I) Clearance between front end of benchtop to front surface of door panel	max 20
(J) Gap between drawer panel and false panel	4
(K) Depth from front of carcass to kick panel	min 40
(L) Minimum height from bottom of custom false panel to floor	min 50



DETAIL 1: UPPER CABINETRY CLEARANCE



DETAIL 2: LOWER CABINETRY CLEARANCE

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CUSTOM DOOR PANEL - DUAL DIMENSIONS

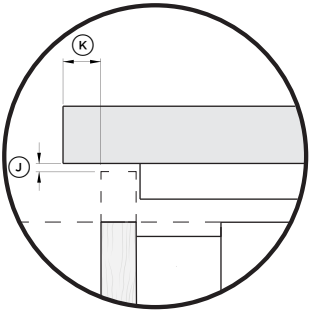
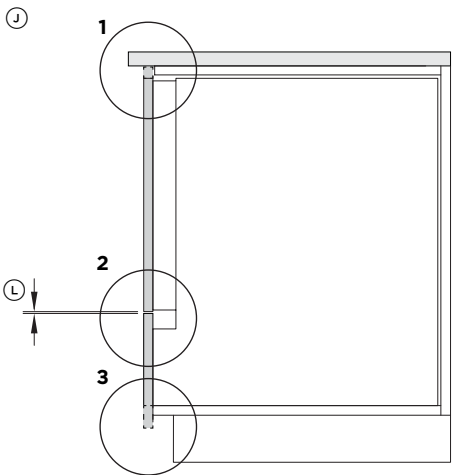
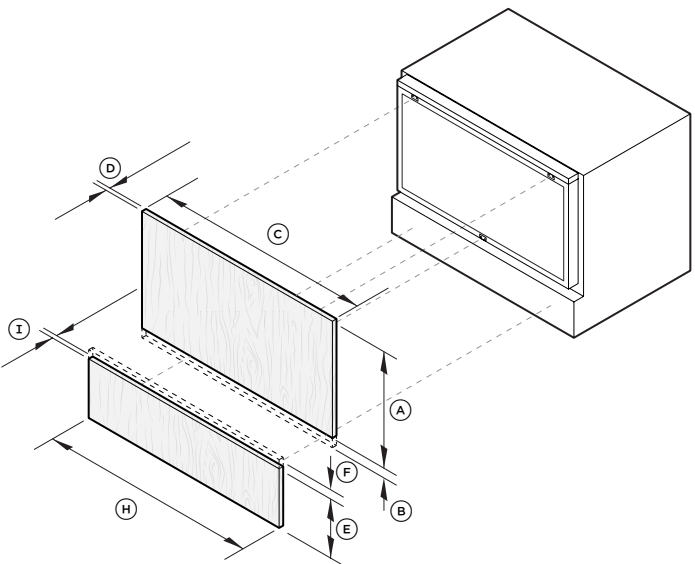
**Model:**  
Series 9 Integrated CoolDrawer™ - RB90S64MKIW1

Drawer Panel Dimensions	mm
(A) Height of custom door panel**	min 456 max 486
(B) Maximum extension from minimum door panel height*	30
(C) Width of custom door panel	min 896
(D) Thickness of custom door panel	16 - 20

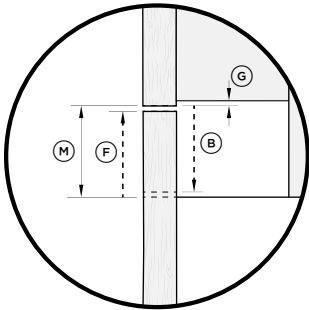
False Panel Dimensions	mm
(E) Height of custom false panel*	150 - 180
(F) Maximum extension from minimum false panel height	30
(G) Minimum height from bottom of inner door to bottom of custom door panel	3
(H) Width of custom false panel	min 896
(I) Thickness of custom false panel	16 - 20

Clearance Dimensions	mm
(J) Clearance between top of door panel and underside of benchtop	min 2
(K) Clearance between front end of benchtop to front surface of door panel	max 20
(L) Gap between door panel and false panel	4
(M) Height of variable split line	34
(N) Depth from front of carcass to kick panel	min 40
(O) Minimum height from bottom of custom false panel to floor	min 50

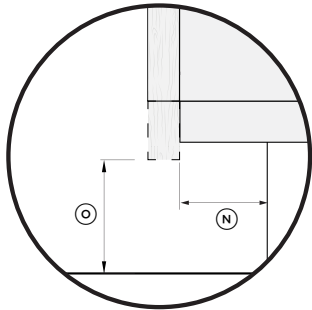
\*Panels can be customised to any given height in these ranges, ensuring they keep a minimum gap of 4mm between panels.  
\*\* Where top of panel aligns with top of carcass, panel can be extended upwards in addition to stated values.



DETAIL 1: UPPER CABINETRY CLEARANCE



DETAIL 2: VARIABLE SPLIT LINE



DETAIL 3: LOWER CABINETRY CLEARANCE

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CUSTOM DOOR PANEL - SINGLE DIMENSIONS

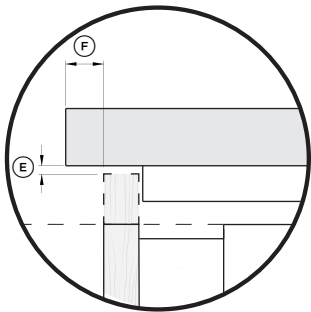
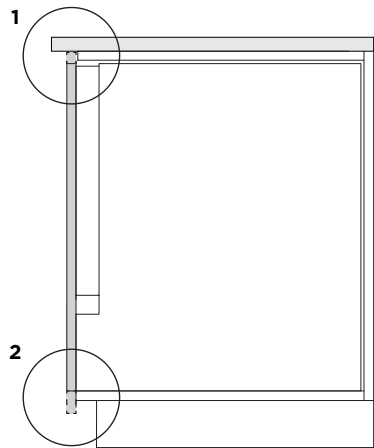
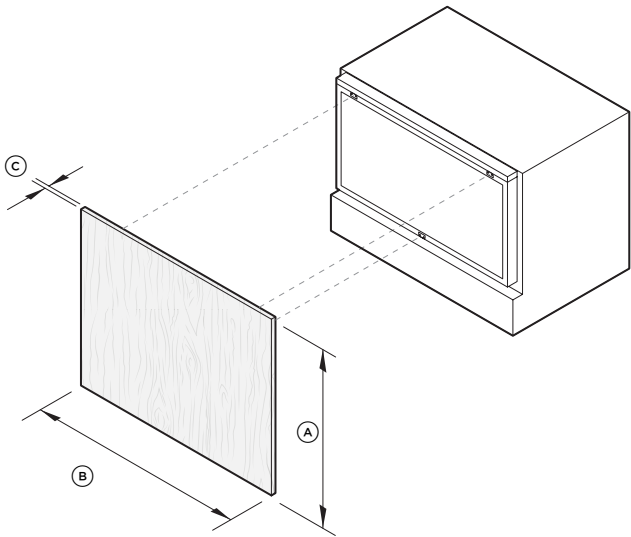
**Model:**  
Series 9 Integrated CoolDrawer™ - RB90S64MKIW1

Drawer Panel Dimensions		mm
(A) Height of custom door panel*		min 640
(B) Width of custom door panel		min 896
(C) Thickness of custom door panel		16 - 20
(D) Top of chassis to top of custom door panel at minimum height		2

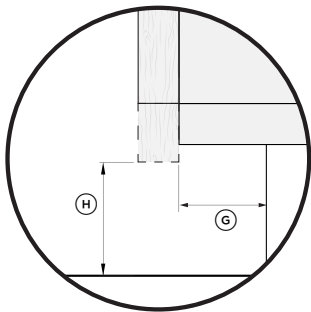
  

Clearance Dimensions		mm
(E) Clearance between top of door panel and underside of benchtop		min 2
(F) Clearance between front end of benchtop to front surface of door panel		max 20
(G) Depth from front of carcass to kick panel		min 40
(H) Minimum height from bottom of custom false panel to floor		min 50

\*Where the custom door panel aligns with top and bottom of chassis, panel can be extended up and down.



DETAIL 1: UPPER CABINETRY CLEARANCE



DETAIL 2: LOWER CABINETRY CLEARANCE

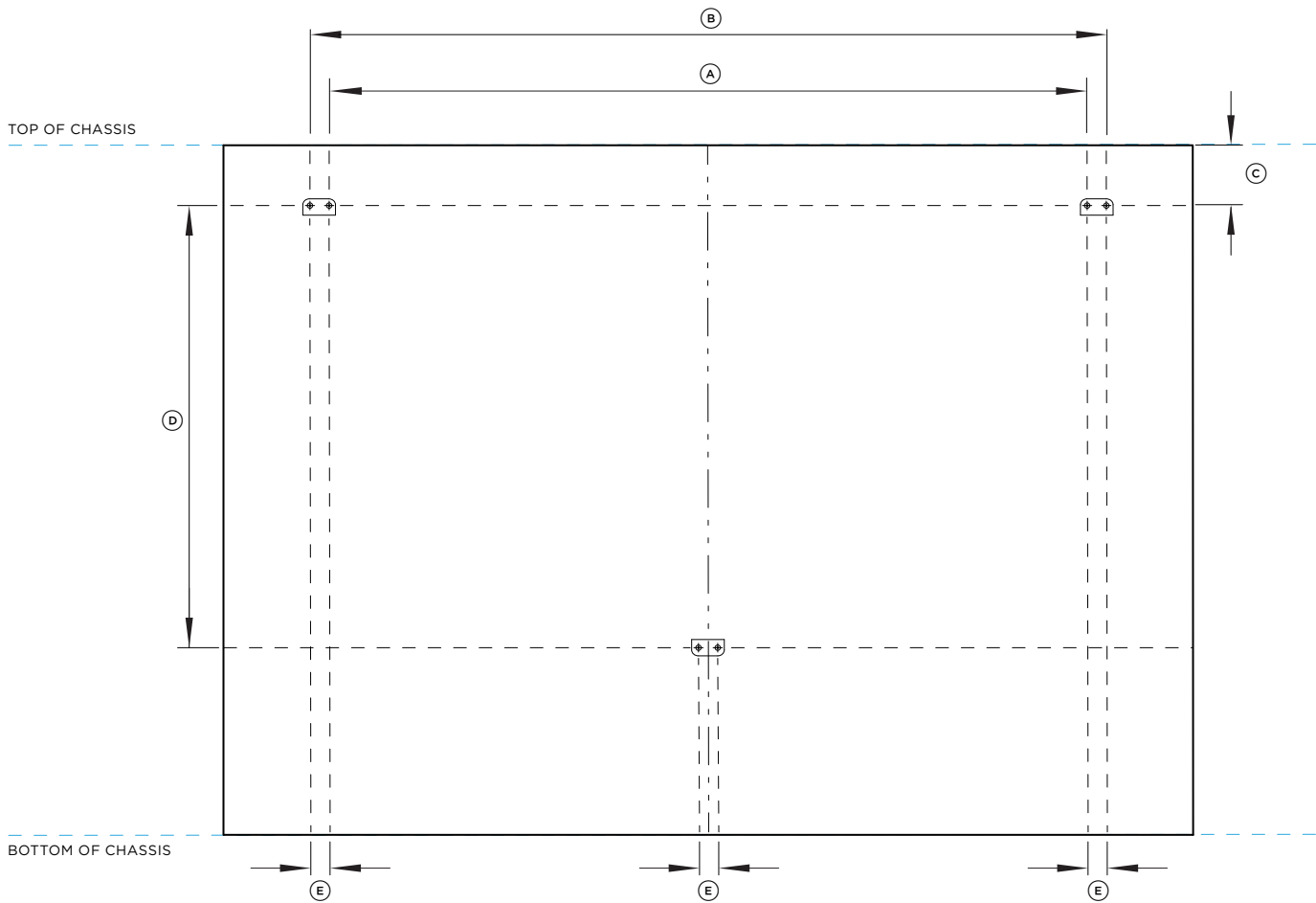
The models shown in this Planning Guide may not be available in all markets and are subject to change at any time. Product specifications may vary from those shown. This Planning Guide should not be used as installation guidance for any product. Further information is required to safely and correctly install the products featured here. Specific installation guidance will be available with the product on delivery and on our website [fisherpaykel.com](https://fisherpaykel.com)

## CUSTOM DOOR PANEL PREPARATION

Custom Panel Fixing Specifications	mm
Ⓐ Distance between centre of upper internal fixings	710
Ⓑ Distance between centre of upper external fixings	746
Ⓒ Centre of upper panel fixings to top of chassis	38.5
Ⓓ Vertical distance between upper and lower panel fixings	409
Ⓔ Distance between centre of holes at fixing points	18

Note: Panel width and extensions, will vary according to your cabinet specifications.

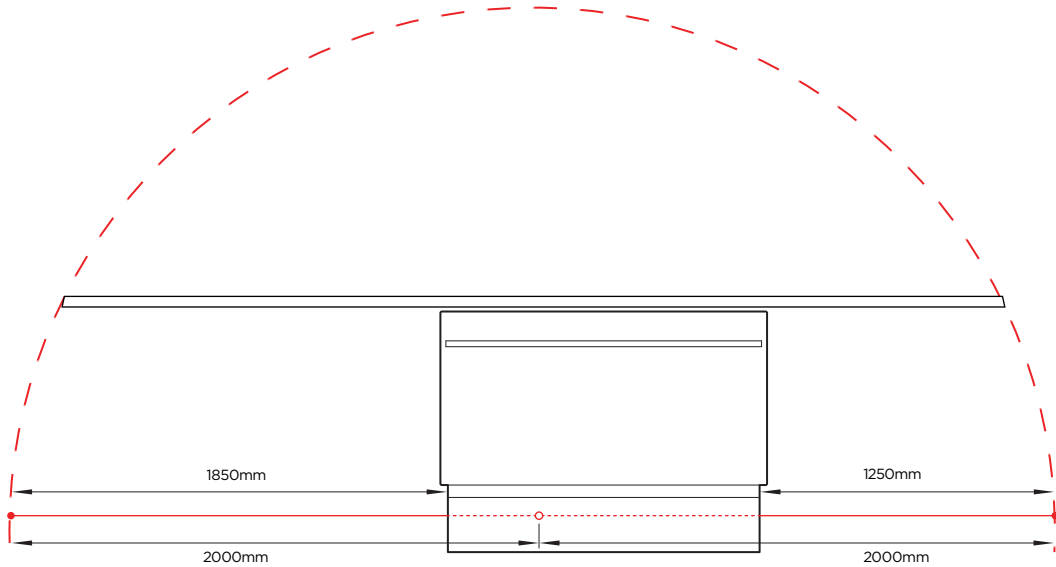
Custom door panel and toe kicks should be manufactured and fitted by a cabinetmaker.



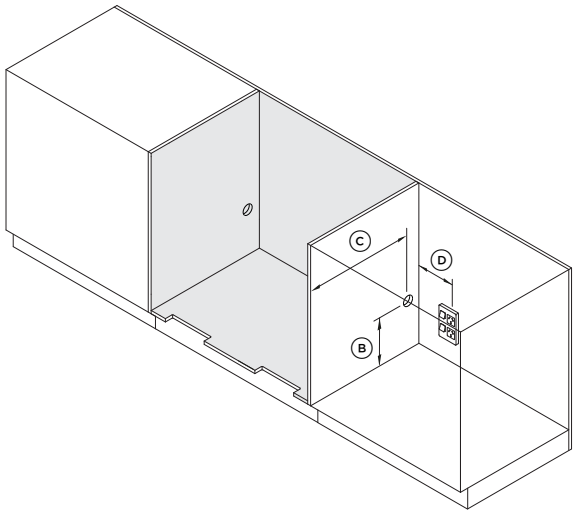
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## SERVICES

ELECTRICAL SPECIFICATIONS	
Model Number	
RB90S64MKIW1	Series 9 Integrated CoolDrawer™
Electrical	
Supply	230 V, 50 Hz
Service	10 A
Connection	3-pin earthing type
Power cord Dimensions	
Overall length of power cord	2000mm
Length of power cord from edge of appliance chassis	<b>Left Hand Side</b> - 1850mm <b>Right Hand Side</b> - 1250mm



SUPPLY SPECIFICATIONS	
Dimensions	mm
(A) Diameter of supply area cutout	Ø 50
(B) Distance from centre of supply area cutout to top of panel/spacer the product will be placed on	min 130
(C) Distance from front end of cabinetry frame to centre of supply area cutout	min 535
(D) Distance of supply area cutout to adjacent power outlet	max 850



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