MFC 3000

The new Multi-Function Console from Saab is designed to provide a tactical advantage through integration of human-centred design and cutting-edge technology to revolutionise the operator experience.



The Saab MFC 3000 provides a fully immersive and intuitive environment for superior understanding of the tactical picture and management of mission-critical systems.

With decades of experience in naval combat system excellence, our next-generation console will ensure that defence forces are able to remain at the forefront of technological evolutions by providing a platform to optimise mission effectiveness and survivability.

Part of 9LV's Combat Management System, the MFC 3000 Series is another example of how Saab is continuously innovating to provide a competitive advantage in a rapidly changing strategic landscape.

Key Features:

• Cutting-edge human-factors consideration with optional integrated seating and ergonomic workspace design, accommodating the warfighters of the future.

• Aluminium-honeycomb construction achieves naval shock certifications at low cost and low weight.

• All-in-one modular design — integrate 3rd-party hardware within operator reach without separate side-consoles.

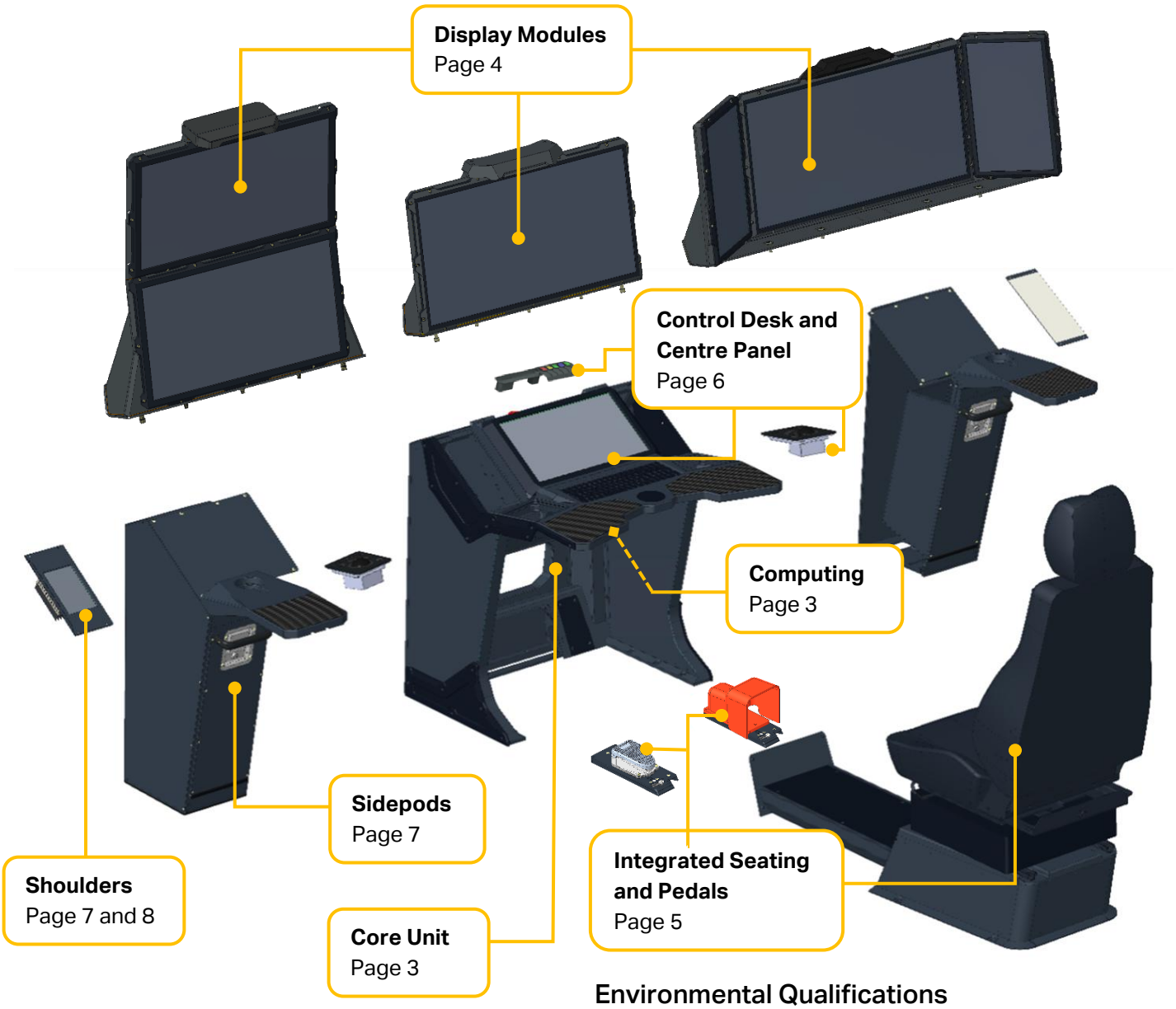
• Configurable display and computing options provide a flexible, software-agnostic platform.





SAAB

Overview



Space, Weight, Power and Cooling

Base configuration including 32" Single display and integrated computing:

- **Mass:** 95kg
- **Overall Dimensions:**
  - Height: 1360mm
  - Width: 760mm
  - Depth: 960mm
- **Power Supply:** 90-264V at 47-63Hz
- **Power Consumption:** 600W
- **Cooling:**
  - Fan-forced ambient air as standard

Environmental Qualifications

The MFC 3000 is designed to meet:

- **Ingress Protection** – IP23 under IEC 60529
- **Temperature Range** under MIL-STD-810H
  - Operating: 0°C to 55°C
  - Non-Operating: -21°C to 60°C
- **Humidity** under MIL-STD-810H
- **Noise Emissions** under ISO 3744:2010
  - $L_W \leq 55dB(A)$ re 1pW
- **EMI/EMC** under MIL-STD-461G
- **Vibration** under MIL-STD-810H 528.1 Procedure I
- **Shock** under MIL-STD-810H 516.8
  - **Operate** Procedure I 20g Peak, 23ms
  - **Retain** Procedure V 40g Peak, 11ms
  - *Compliant mounting options available for more severe shock requirements*

For details on environmental qualification specifications please contact us.

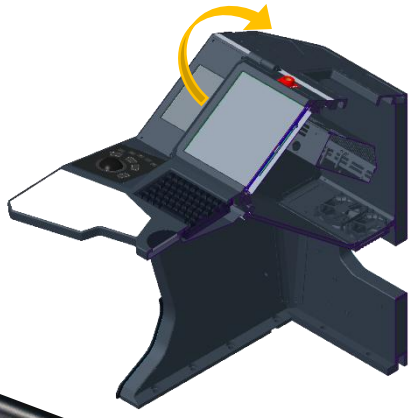
Core Unit

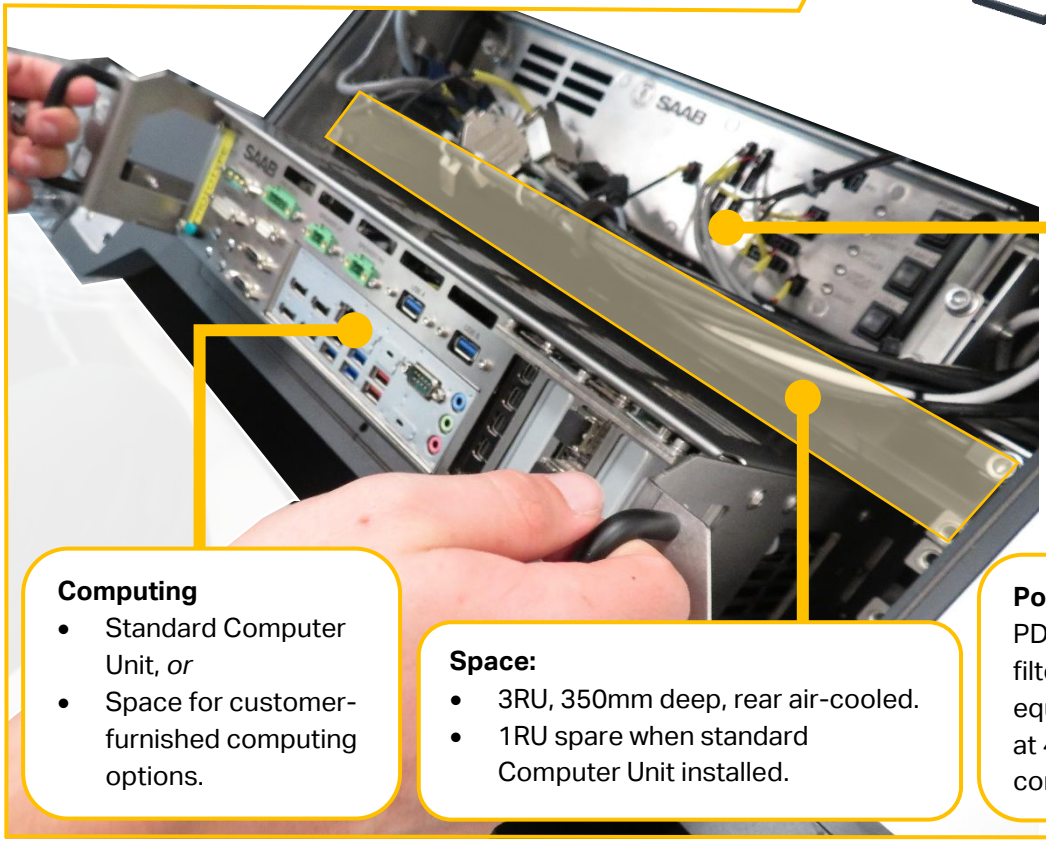
The main structural interface, fundamental hardware and electronics



Provides a base for configurable options

Desk opens for easy access to integrated 19-inch server rack space.





Computing

- Standard Computer Unit, *or*
- Space for customer-furnished computing options.

Space:

- 3RU, 350mm deep, rear air-cooled.
- 1RU spare when standard Computer Unit installed.

Power Distribution Unit

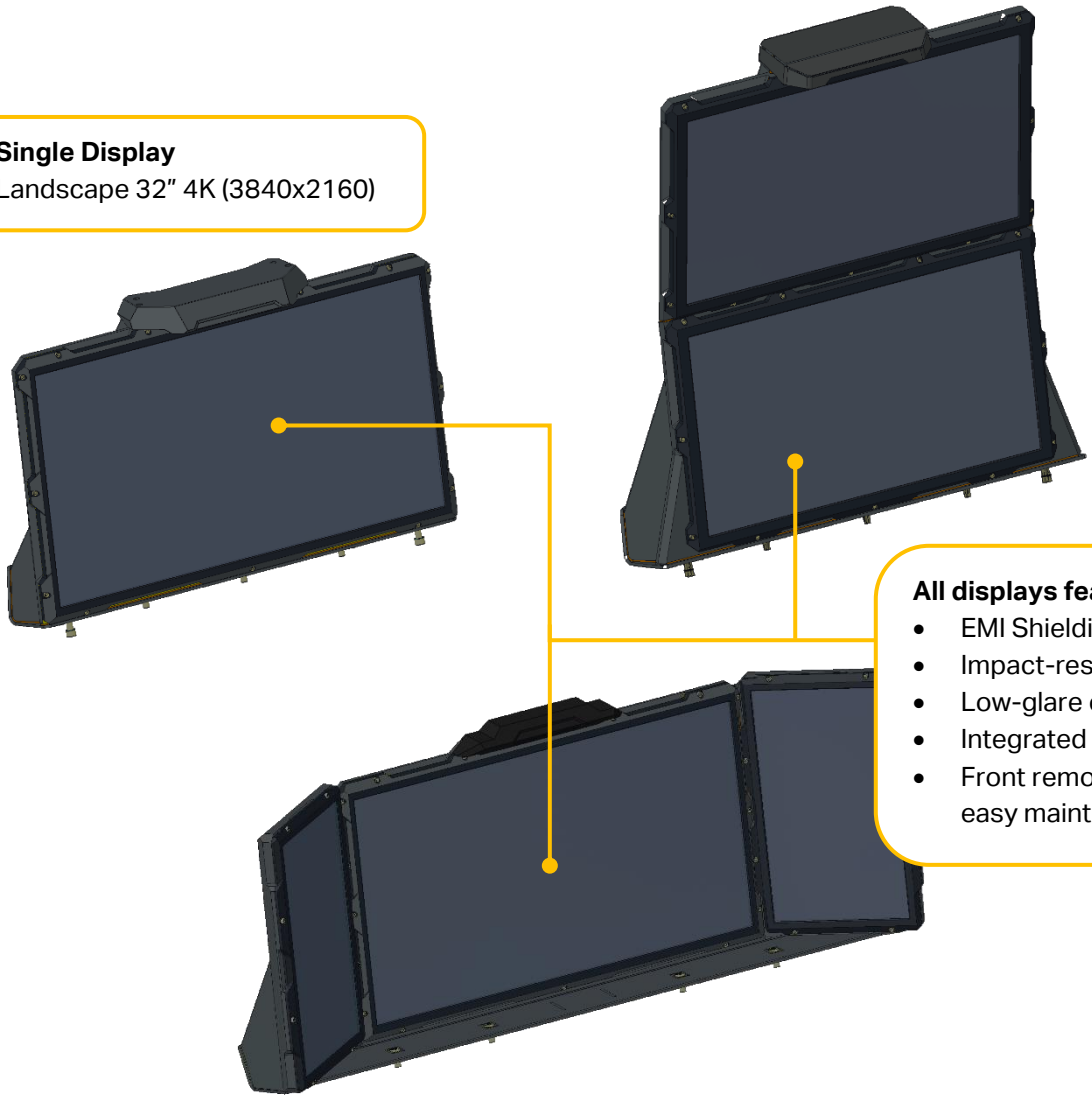
PDU built-in. Provides power filtering and supply for all equipment. Supply 90-264V at 47-63Hz, power consumption 600W max.

Display Modules

Lightweight, ruggedised, integrated and easily maintained

Dual Vertical Displays
Landscape 27" QHD (2560x1440)

Single Display
Landscape 32" 4K (3840x2160)



All displays feature:

- EMI Shielding
- Impact-resistant glass
- Low-glare coating
- Integrated task lighting
- Front removable for easy maintenance

Triple Wide Displays
Centre Display: Landscape 32" 4K (3840x2160)
Side Displays: Portrait 18.5" Full HD (1920x1080)

Only compatible with dual-sidepod configurations (page 6)

Integrated Seating

Providing ultimate operator comfort and minimising fatigue for battle-ready effectiveness

- Integrated Mil-spec Seat
- Adjustable in fore-aft, height, rotation and inclination
- Custom handle arrangement for ease of access and fast ingress/egress





Pedals



- Quick-connect system for changing pedal location
  - Two ergo-optimised locations per pedal
  - Accommodates 5th-95th percentile operators*
- Firing Pedal
  - Dual-switch safety trigger
  - Custom pedal model selection*
- Push-to-talk Pedal
  - Custom pedal model selection*



*For more info on anthropomorphic ranges and custom integration, contact Saab

Control Desk

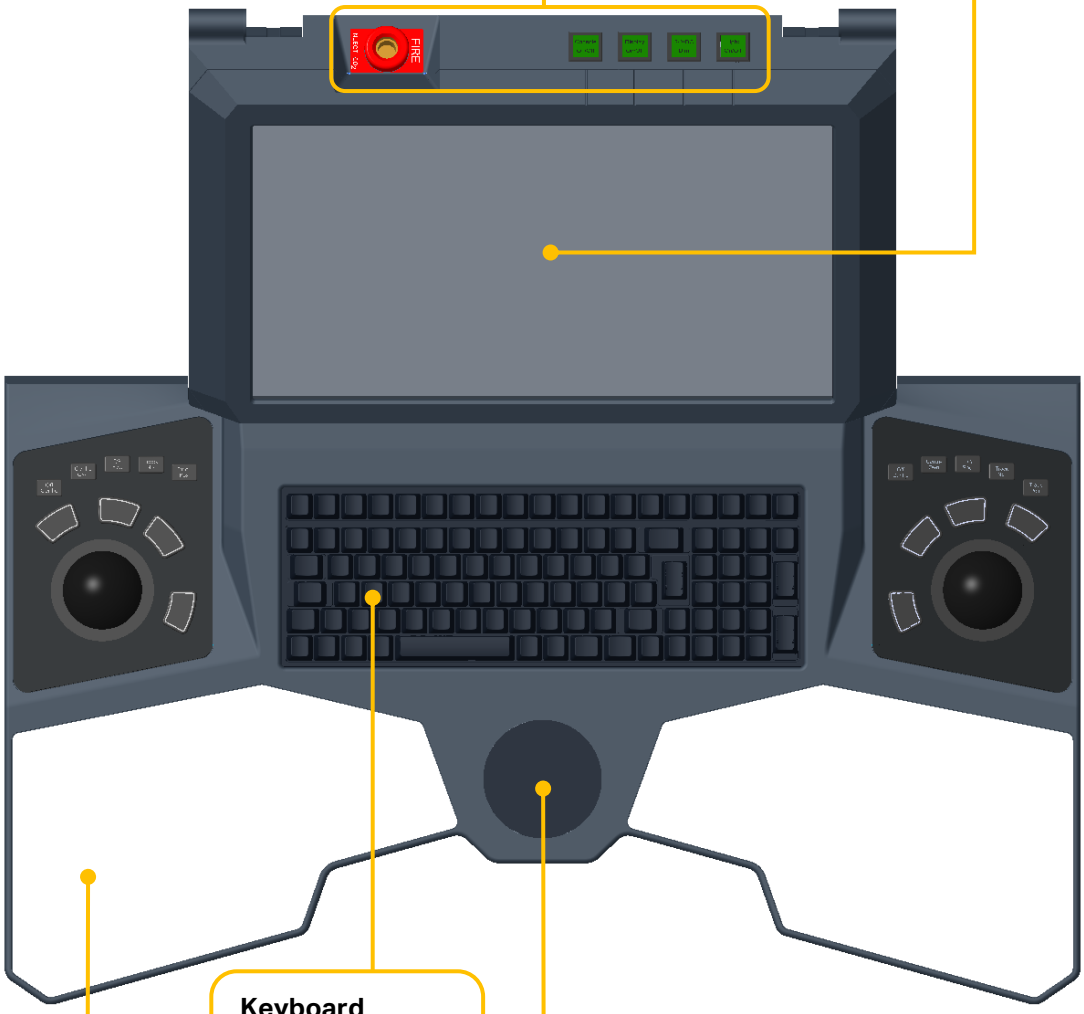
Responsive and intuitive human-machine interface

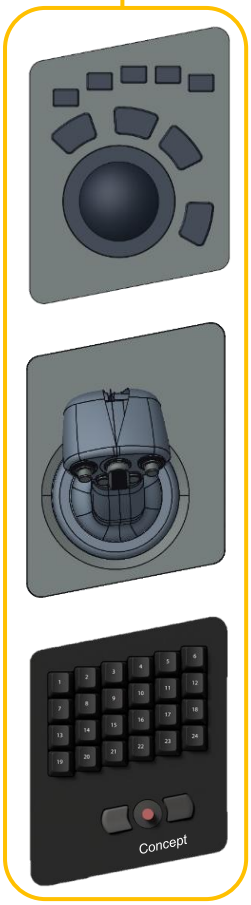
Touch Input Display (TID)
- 18.5" Full HD (1920x1080)
- 5-wire resistive touch
- EMI Shielding
- Impact-resistant glass
- Low-glare coating

Peripheral Input Device Options
Common "diamond" interface plate, select one option for LHS and RHS;

- Trackball: 63mm (2.5") ball with buttons.
- Joystick: Minimum Displacement with buttons and finger trigger.
- Custom options: Contact Saab.

Centre Panel (Customisable)
- CO_2 Fire Extinguishing Port
- Push-buttons for console control





Keyboard
- Language configurable

Integrated Whiteboard
- Warm-touch for operator comfort
- Quick note-taking

Touchpad
- Increased versatility for low-intensity operation.
- 80mm (3.2")
- Force-sensitive multi-touch with haptic feedback.

Sidepods

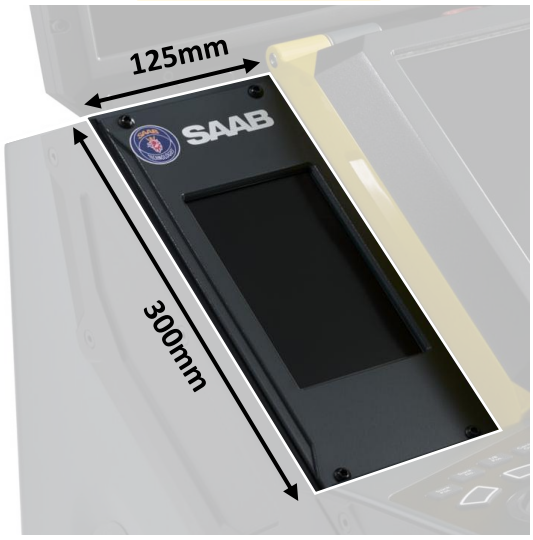
Increased workspace, equipment mounting area and storage



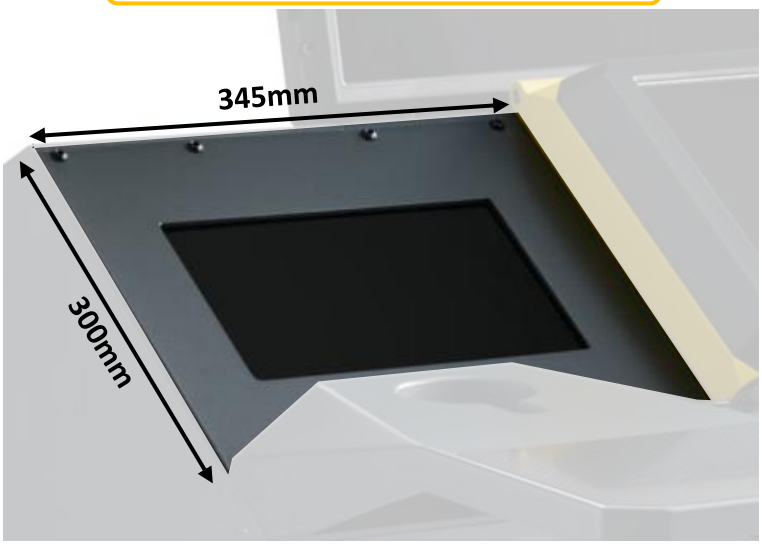
Mounting Areas

Saab TactiCall, fire control panels, whiteboards... endlessly configurable with your equipment

without Sidepod

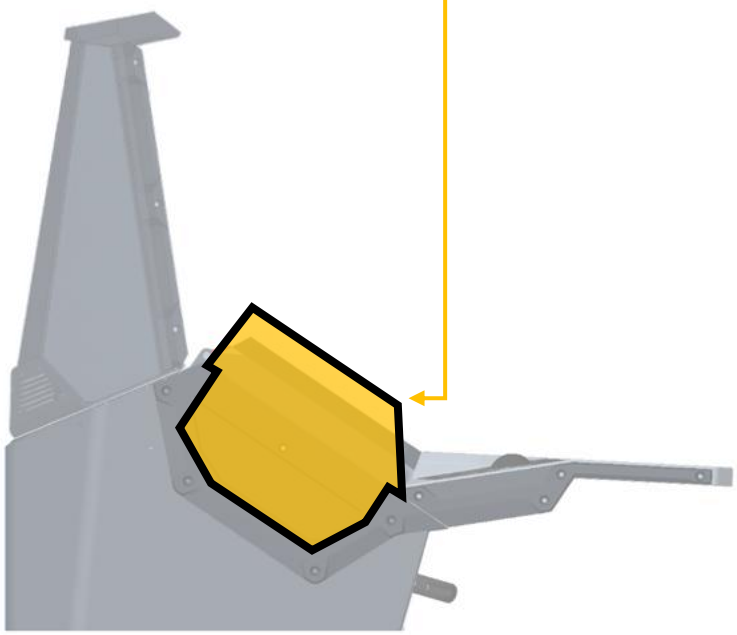


with Standard Sidepod (220mm Wide)



Large envelope available for equipment.

Contact Saab for details.



Sidepod mounting area extends into the main console, allowing for larger, deeper equipment closer to the operator.



Left- and right-hand side mounting areas available.

Options Selection

Select one option from each row

Display Module (Page 4)	Single	Dual Vertical	Triple^	
Computing (Page 3)	Standard	Customer Furnished*		
Seating (Page 5)	Integrated Seating	No Seating		
Pedals (Page 5)	Push-to-talk	Firing	Push-to-talk and Firing	No Pedals
Peripheral Input Left (Page 6)	Trackball	Joystick	Custom Peripheral*	
Peripheral Input Right (Page 6)	Trackball	Joystick	Custom Peripheral*	
Keyboard (Page 6)	Select Language			
Centre Panel (Page 6)	Standard	Custom*		
Left Sidepod (Page 7)	No Sidepod	Standard Sidepod (220mm Wide)	Custom Sidepod*	
Right Sidepod (Page 7)	No Sidepod	Standard Sidepod (220mm Wide)	Custom Sidepod*	
Cooling (Page 7)	Air Cooling	Heat Exchanger, LHS Sidepod	Heat Exchanger, RHS Sidepod	
Mounting Areas (Page 8)	Select Equipment*			

**Contact Saab for customisation. Customisation is not included in base offering, Non-Recurring Engineering (NRE) required*
^Only available when both left and right Sidepods are selected+

Specifications subject to change without notice.

MFC 3000 Series Product Configuration Guide
2114212 Rev. 1.1, May 2026