TECHNICAL DATA SHEET



COMFORTABLE CONTROL WITH A CLEAR VIEW OF THE OPERATION

CABIN VOLUME UP TO 13M³

GALAXY(+) CABIN

E-CRANE® QUILIBRIUM

The E-Crane Galaxy and Galaxy+ operator cabins are designed to provide excellent visibility, comfort and a pleasant working environment during prolonged crane operation. Their spacious, insulated design brings the operator, controls and information systems together in a proven E-Crane arrangement.

The Galaxy+ offers additional cabin length and interior space. Both cabin versions combine climate control, ergonomic operation, tinted safety glazing and clear access to essential crane information.

DESIGNED AROUND THE OPERATOR

A comfortable operator environment supports concentration throughout long and demanding shifts.
The cabin layout is based on E-Crane's standard operator environment, allowing the seat, control arrangement, displays and cabin equipment to work together as one integrated system.

CABIN DIMENSIONS AND LAYOUT

The Galaxy and Galaxy+ share the same width and height. The Galaxy+ is 700 mm longer, providing additional room within the cabin. The approximate principal dimensions and internal volume are shown below.

Cabin version	Dimensions (LxWxH)	Volume
Galaxy	2.70 m x 1.87 m x 2.44 m	±10m³
Galaxy+	3.40 m x 1.87 m x 2.44 m	±13m³



HEATING, VENTILATION AND AIR CONDITIONING

The cabin is equipped with an HVAC unit providing both heating and air conditioning. A dedicated cabin heating system with a multi-speed fan is also provided, with the temperature adjustable by thermostat.

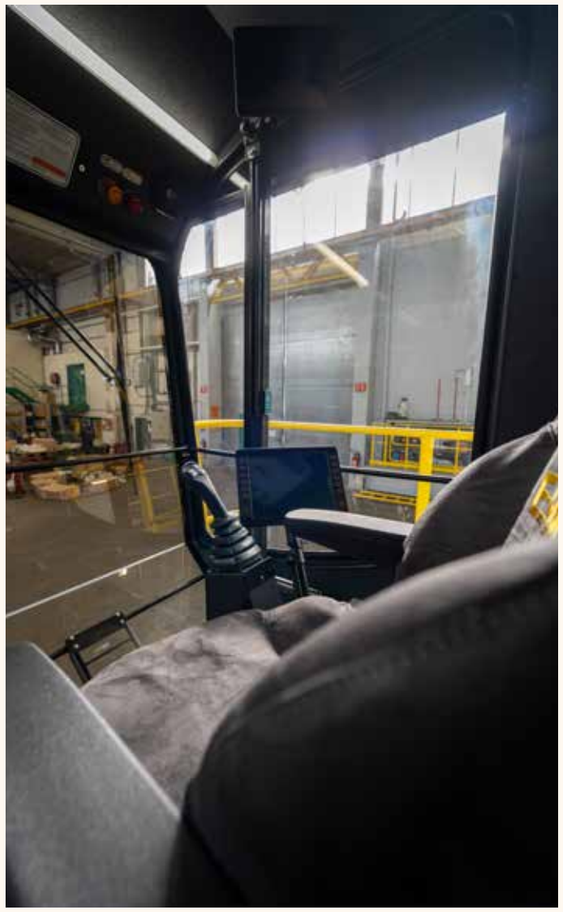
Airflow is distributed to strategically selected locations in the cabin:

- **Warm air is directed towards the front windows to support demisting and defrosting and help maintain clear visibility.**
- **Additional warm air is supplied underneath the operator seat to improve comfort around the operator in cold weather.**

This combination supports even temperature distribution throughout the cabin and comfortable working conditions during both hot and cold periods.







VISIBILITY AND TINTED BRONZE GLAZING

The cabin uses tinted bronze safety glass to maintain a clear view of the working area while reducing the amount of light and solar heat entering the cabin. In direct sunlight, the reduced light transmission lowers glare and improves operator comfort. By blocking part of the solar radiation, the glazing also helps the cabin heat up less quickly. Small scratches and dirt are less visible than on clear glass.

Front windshield

The windshield is laminated and has a total thickness of 15 mm. It consists of 8 mm bronze safety glass, a 1.52 mm PVB interlayer and 6 mm bronze safety glass.

Other cabin windows

The remaining windows are double-glazed. Their outer panes are made of bronze safety glass, while the inner panes are clear and untinted. The double glazing improves thermal insulation. Window blinds provide additional protection against direct sunlight.



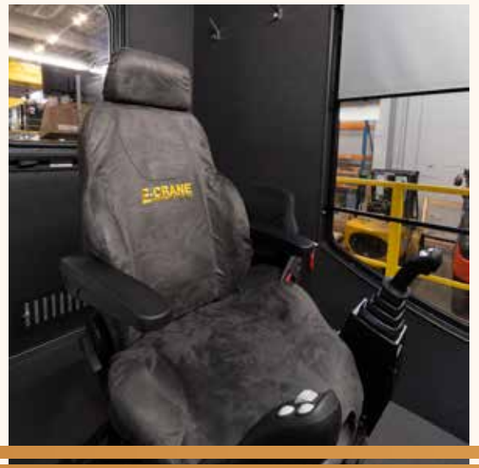


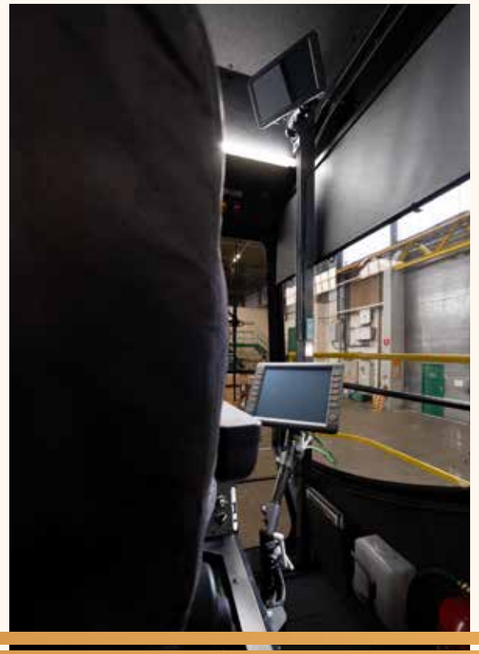
OPERATOR SEAT AND CONTROLS

The cabin is equipped with a high-quality BE-GE 3700.19 air-suspended and ventilated operator seat, selected for long-duration crane operation. The seat can be adjusted for different operators and provides ergonomic support throughout the working shift.

Electrical crane-control joysticks are positioned beside the operator, creating an ergonomic operating position from which all main crane functions can be controlled comfortably. An additional passenger or observer seat is also provided inside the cabin.

Detailed seat specifications are available in the separate technical data sheet.





OPERATOR INFORMATION AND CAMERA SYSTEM

An HMI display provides relevant crane information, operating parameters and status indications during operation.

An optional camera system with a dedicated display can show real-time images from strategically positioned cameras on the crane. This improves the operator's view of the vessel, working area and surrounding environment, including areas that may be difficult to observe directly from the cabin. The system assists the operator during material handling and supports efficient and safe crane operation.

OPTIONAL CABIN OVERPRESSURE FILTRATION

For applications with increased requirements concerning dust or airborne contaminants, the cabin can optionally be equipped with an overpressure filtration system.

The system can be configured with several filtration stages:

- Coarse pre-filter
- HEPA filtration
- Activated-carbon filtration

By maintaining a slight positive pressure inside the cabin, the system helps reduce the ingress of contaminated outside air and provides an improved working environment for the operator.

STANDARD EQUIPMENT AND AVAILABLE OPTIONS

Feature	Status	Description
HVAC	**Standard**	Heating and air conditioning
Dedicated cabin heating	**Standard**	Thermostat and multi-speed fan
Windshield airflow	**Standard**	Supports demisting and defrosting
Under-seat warm airflow	**Standard**	Improves cold-weather comfort
BE-GE 3700.19 operator seat	**Standard**	Air-suspended and ventilated
Electrical control joysticks	**Standard**	Ergonomic position beside the operator
Passenger or observer seat	**Standard**	Additional seating inside the cabin
Tinted bronze glazing	**Standard**	Reduced glare and solar heat gain
Window blinds	**Standard**	Additional direct-sunlight protection
HMI display	**Standard**	Crane information and status indications
Overpressure filtration	**Optional**	Configurable filtration stages
Camera system and display	**Optional**	Real-time views from crane-mounted cameras

A COMFORTABLE WORKING ENVIRONMENT THROUGHOUT THE YEAR

The combination of a spacious insulated cabin, ergonomic controls, air-suspended and ventilated seating, heating and air conditioning, directed windshield airflow, tinted safety glazing and available air-filtration and camera options provides a comfortable and practical operator environment for demanding material-handling operations.

The Galaxy and Galaxy+ cabin arrangement is fully integrated with E-Crane's proven operator environment, creating a close match between the operator, the controls and the crane.

