



Enhancing Outcomes for Patients and Their Caregivers...

**1. Product Name**

Latitude® Arm System (P662C)

**2. Manufacturer**

Hill-Rom Co.  
 1069 SR 46 East  
 Batesville, IN 47006  
 (812) 934-7777  
 Fax: (812) 934-8189  
 Email: [us.customerservice@hill-rom.com](mailto:us.customerservice@hill-rom.com)  
[http://www.hill-rom.com/usa/AP\\_Latitude.htm](http://www.hill-rom.com/usa/AP_Latitude.htm)

**3. Product Description**

The Latitude® Arm System (P662C) is manufactured and provided by Hill-Rom Co., an innovator in medical technologies to enhance the safety and quality of patient care.

**BASIC USE**

The Latitude Arm System is a floor anchored, suspended system with one or two cantilevered arms. Designed specifically for intensive care units, neonatal intensive care units and emergency departments, it serves as a mobile headwall that allows patient beds, utilities and accessories to be placed in logical and easily accessed positions. It is suited for both new construction and retrofit applications.

The Latitude Arm System combines the flexibility of a ceiling boom with the convenience of a headwall. It is easily configured to best deliver medical gasses, electricity and other critical services, with a selection of telescoping or fixed arms and head configurations that can supply up to 20 gas outlets for vacuums, oxygen and medical air. Flexible, well-balanced and easy to move, Latitude adapts to most patient environments and includes an electric braking system that locks the arm and head in place. When not in use, the system docks flatly against the wall for additional space savings.

**COMPOSITION & MATERIALS**

The Latitude Arm System is comprised of a main support structure with one or two fixed-length or telescoping arms and a selection of 9000 Series or 4000 Series Service Heads. An extensive selection of accessories is available.



**Bed Service Chassis**

- Provides for up to 8 single-gang electrical boxes for line or low voltage

**Main Support Structure**

- 3 gages
- Up to 5 gang nurse call

**Arms**

- 1 or 2 arms are available per system
- Manufactured specifically for use on upper or lower position of the main support structure
- Arms can be fixed length or telescoping; if the system includes only a single arm, the arm must be placed in the upper position of the main structure
- Telescoping arms reach 41.5" (105.4 cm) when retracted and 64" (162.5 cm) when extended
- Fixed length arms reach 41.5" (105.4 cm)
- Both arms have a 190 degree maximum rotation from wall to wall

**Service Heads**

- 9000 Series and 4000 Series service heads are available, with 330 degree head rotation
- A 9000 Series Service Head on a fixed length arm has 7 2-gang openings and permits up to 9 gas services
- A 9000 Series Service Head on a telescoping arm has 7 2-gang openings and permits up to 7 gas services
- A 4000 Series Service Head on either type of arm has 5 2-gang openings and permits up to 4 gas services

**Manifold**

- The manifold has a total of 4 air connections, 8 vacuum connections and 5 oxygen connections per system

**SIZES**

See Table 1.

**COLOR, FINISH**

The Latitude Arm System is available in a selection of High Pressure Laminate (HPL) colors.

**BENEFITS**

- Increases access to services, patient and head of bed
- Simplifies organizing and accessing critical medical services
- Adapts to varying acuity levels
- Compact, sturdy design saves floor space
- Quiet electric (versus pneumatic) brakes minimize disturbance and increase safety
- Increased space between outlets simplifies use
- Locks in place to prevent drifting when brake switch is not engaged
- Adjusts for 8' (2.4 m) to 10' (3 m) ceilings
- Provides space above the patient for lighting or lifts
- Up to 88" (223 cm) of GCX style track accommodates a variety of optional accessories, including a monitor
- Available with Hill-Rom track for existing Hill-Rom accessories or optional Fairfield track
- Requires minimal ceiling support structure
- Installs quickly and efficiently



**LIMITATIONS**

The Latitude Arm System is not for use with flammable anaesthetics and must not be used with oxygen tents; oxygen-administering equipment of the nasal, mask or ventilator type should be used.

**ACCESSORIES**

Hill-Rom offers an extensive selection of accessories for the Latitude® Arm System:

**Storage**

- Universal holders
- Storage baskets
- Rail-mount baskets
- Pivoting baskets
- Swivel shelves

**Lighting**

- Utility lights

**Equipment**

- Monitor arm
- Tilt swivel monitor arm
- Utility/bottle
- Bird® Blender mount
- Resuscitator bag holder
- Slide-mounted IV hanger
- Cable organizer
- Transfer pole
- STAT Clock/timer
- Long and short utility post
- Integrated diagnostic system
- Aneroid sphygmomanometer with coil
- Aneroid mount and cuff basket
- Latitude Arm for infusion management device
- Infusion support arm
- Infusion management device rack
- Infusion pump holder
- Infusion management device cart
- Horizontal accessory rail
- Vertical and horizontal cord wrap
- Puritan-Bennett humidifier holder
- Utility mount post

**4. Technical Data**

**APPLICABLE STANDARDS**

- Canadian Standards Association (CSA)
- CSA C22.1 Canadian Electrical Code, Part I Safety Standard for Electrical Installations
  - CAN/CSA Z305.2 Low-Pressure Connecting Assemblies for Medical Gas Systems

National Fire Protection Association (NFPA)

- NFPA 70 National Electrical Code (NEC)
- NFPA 99 Standard for Health Care Facilities

Product	Dimensions	Distance from floor (8' - 8'5 15/16 ceilings)	Distance from floor (8'6 - 10' ceilings)
Main Support Structure	33" W x 8.5" D, variable height (84 x 21.6 cm)	--	--
Telescoping arm Upper	8" H x 10.5" W x 52" - 74" L (20 x 26.7 x 132 - 188 cm)	86.6" (220 cm) to bottom; 94.3" (239.5 cm) to top	92.6" (235.2 cm) to bottom; 100.3" (254.7 cm) to top
Telescoping arm Lower	8" H x 10.5" W x 52" - 74" L (20 x 26.7 x 132 - 188 cm)	78" (198 cm) to bottom	84" (213 cm) to bottom
Fixed Length arm Lower	8" H x 10.5" W x 52" (20 x 26.7 x 132 - 188 cm)	78" (198 cm) to bottom	84" (213 cm) to bottom
9000 Series Service Head	46.25" H x 13.25" W x 14.25" D (117.5 x 33.7 x 36.2 cm)	29" - 31" (74 - 79 cm) to bottom	29" - 31" (74 - 79 cm) to bottom
4000 Series Service Head	26.5" H x 13.25" W x 14.25" D (67.3 x 33.7 x 36.2 cm)	49" - 51" (124 - 130 cm) to bottom	49" - 51" (124 - 130 cm) to bottom
Lower bearing Cover	--	67.375" (171.13 cm) to bottom edge	73.375" (186.37 cm) to bottom edge

Feature	4000 Series		9000 Series	
	Telescoping or Fixed		Telescoping	Fixed
Gas services	Up to 4 (any mix of oxygen, air or vacuum)		Up to 8 (with a maximum of 4 vacuum, 2 oxygen, air)	Up to 9 (with a maximum of 6 vacuum, 3 oxygen or air)
Electric	2 duplex		8 duplex	10 duplex
Data port	4		4	4
Nurse call/CB switch	1 or 2 gang		1 or 2 gang	1 or 2 gang
AP track	4 vertical		4 vertical	4 vertical
GX style track	29.75" (75.5 cm)		46.25" (117.5 cm)	46.25" (117.5 cm)
Hill-Rom style track	119" (3 m)		185" (4.7 m)	185" (4.7 m)
Net payload - Total weight of options and equipment	119 lb (54 kg)		230 lb (104 kg)	302 lb (136 kg)
Gross weight				
Single arm system	Maximum 875 lb (397 kg)		Maximum 875 lb (397 kg)	Maximum 875 lb (397 kg)
Dual arm system	Maximum 1275 lb (578 kg)		Maximum 1275 lb (578 kg)	Maximum 1275 lb (578 kg)

Underwriters Laboratories, Inc. (UL)

- UL 723 Surface Burning Characteristics of Building Materials
- UL 1047 Isolated Power System Equipment

**APPROVALS**

- Complies with seismic requirements of the California Building Code (CBC), Chapter 16, Section 1632A
- Complies with seismic requirements of International Building Code (IBC), Chapter 16, Section 1621
- UL listed by Underwriters Laboratory Inc., Files E87763 and E55597

**TECHNICAL PROPERTIES**

See Table 2.

**FIRE PERFORMANCE**

The Latitude Arm System meets UL fire performance requirements.

**5. Installation**

**PREPARATORY WORK**

The Latitude® Arm System is flexible in function, as well as form, and will install quickly and easily. Before beginning, consider the following:

**Architectural Considerations**

- Room layout
- Floor-to-ceiling clearance
- Above-ceiling clearance
- Floor load-bearing strength
- Above-ceiling strength





**Electrical and Gas Considerations**

- Junction box location
- Gas manifold location

**Articulation Range**

For maximum maneuverability, the distance from the center of the main support structure to the outer edge of the service head should be kept free of obstacles.

**Ceiling Height Requirements**

The Latitude® Arm System can be used where ceiling heights are 8' - 10' (2.4 - 3 m).

**Structural Requirements**

Before delivery and installation, the medical facility must supply a ceiling and floor structure able to sustain the load requirement and clearances for the wall arm. The structural support system must be designed by a certified structural engineer.

The rough-in plate of the Latitude Arm System is unique and is not compatible with other mounting systems.

Preparation of the contractor-installed system is critical to the smooth operation of the Latitude Arm System.

**Dock Requirements**

For delivery, the dock must have a dock plate suitable for unloading a 600 lb (272 kg) crate from a standard trailer with a 48" (122 cm) deck. For construction sites without a dock, a forklift must be available to unload a 600 lb (272 kg) crate from the rear of a covered trailer.

The Latitude Arm System is shipped in a crate, with protective, corrugated paper end caps. Delivery is the responsibility of Hill-Rom and is normally made in Hill-Rom trucks.

**STORAGE**

Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by Hill-Rom. The temperature range for transport and storage is -40 to 158 degrees F (-40 to 70 degrees C), with 10% - 95% non-condensing relative humidity.

Verify that site conditions are acceptable for installation. Do not proceed with installation until unacceptable conditions are corrected.

**METHODS**

The Latitude Arm System is designed to be installed by contractors, in accordance with the manufacturer's comprehensive installation instructions.

**BUILDING CODES**

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

**6. Availability & Cost**

**AVAILABILITY**

Hill-Rom products are available in the U.S., Canada and Puerto Rico, direct from the manufacturer. Contact Hill-Rom Co. for information concerning local availability.

**COST**

Cost information may be obtained from the manufacturer.

**7. Warranty**

Hill-Rom Co. offers a general 1-year limited warranty against defects in material and workmanship. Complete warranty terms and conditions are available from the manufacturer. For details, consult Hill-Rom Co.

**8. Maintenance**

Hill-Rom recommends an annual service check for the Latitude Arm System.

**9. Technical Services**

Customer service, technical support and troubleshooting are available through toll-free telephone consultation. Technical assistance, including detailed product information, product literature, test results, project lists, assistance in preparing project specifications and arrangements for application supervision, is available from Hill-Rom Co.

**10. Filing Systems**

- SmartBuilding Index
- MANU-SPEC®
- Additional product information is available from the manufacturer upon request.