

Protocol® CO₂

DISTRIBUTED RACK SYSTEM



ADVANTAGES

- Future-friendly, single gas, natural refrigerant solution (GWP=1) compliant with all current and proposed future regulations
- Compact footprint distributed application is ideal for indoor installations, reduces complexity for partial remodels, and allows for a gradual transition to natural refrigerant
- First to the industry medium temp scroll compressor with direct vapor-injection and ultra quiet, low-vibration operation ideal for back room installation
- Pre-engineered capacities for ease in selection and pricing
- All iron/copper piping eliminates need for certified welding



KEY FEATURES

- Variable speed medium temp scroll compressor with vapor injection
- Digital scroll for low temperature capacity modulation
- Copeland variable speed drive for lead medium temp compressor and XP pro pack controller hardware
- Multiple designs for a wide application range from 90 MBH to 400 MBH
- Optional heat reclaim for efficiency gains and California Title 24 compliance



Protocol CO₂ 4.1



Protocol CO₂ Distributed Rack System

SERVICEABILITY

- All sides have removable panels for easy access
- Improved serviceability with raised compressor and electrical cabinet placed at ideal working height
- Graphic touch screen controller interface

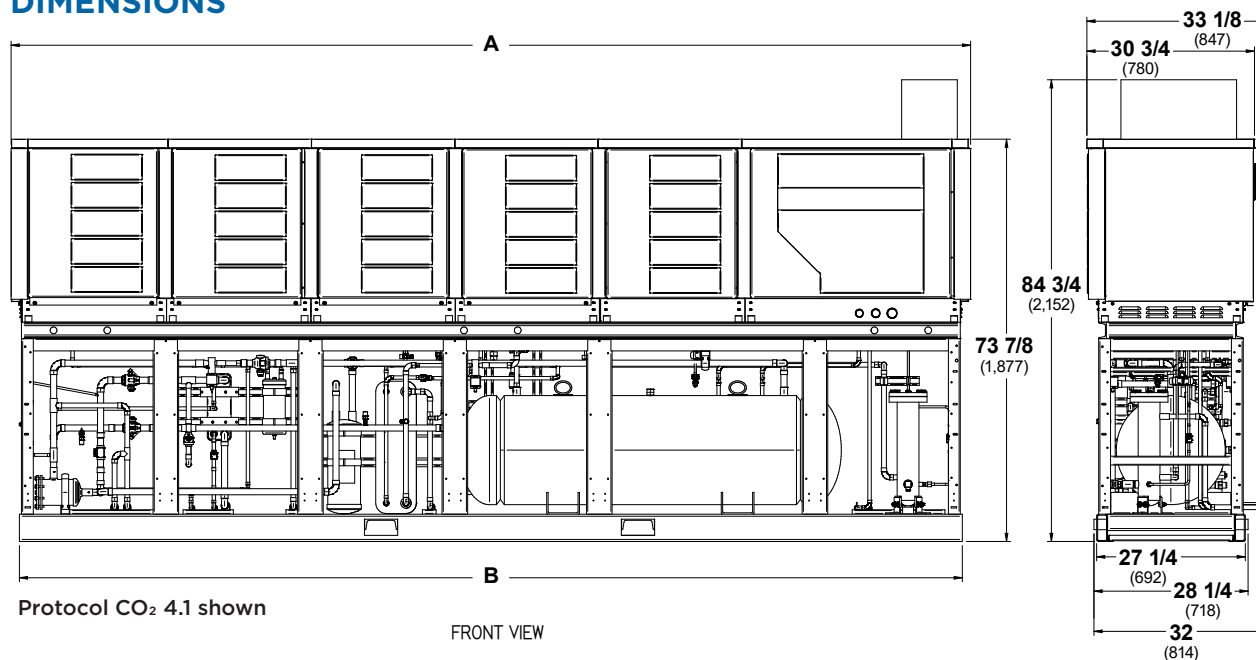
SUSTAINABILITY

- Economizer feature to reduce gas cooler outlet temperature and increase efficiency
- Direct vapor-injection reduces discharge temperatures
- Variable speed medium temp compressors reduce energy consumption

SPECIFICATIONS

Model	Protocol CO ₂
Power Connection	Field-wired
Refrigerant	R-744 (CO ₂)
Supply Power	460 VAC / 3-phase / 60 Hz

DIMENSIONS



Dimensions	Protocol CO ₂ 4.1	Protocol CO ₂ 4.2
Length (A)	175 7/8 (4,467)	188 3/4 (4,796)
Length (B)	172 7/8 (4,391)	185 5/8 (4,715)

NOTE Dimensions are in Inches (millimeters)

NOTE: Use Hussmann's technical data sheets to get dimensions for all store layout purposes.

We reserve the right to change or revise specifications and product design in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions, or replacements for equipment previously sold or shipped. For additional resources, contact your representative or visit www.hussmann.com.

©2025 Hussmann Corporation

TECHNICAL INFORMATION



Scan or click QR to access additional resources at hussmann.com

HUSSmann®

Hussmann Corporation
12999 St. Charles Rock Rd.
Bridgeton, MO 63044-2483
Ph: 1.800.592.2060

www.hussmann.com

PS_Protocol_CO₂_M001167_A_EN