

ZEPHYR™ AIR-COOLED HELIUM COMPRESSOR



SHI Cryogenics Group's Zephyr™ compressor is an air-cooled version of our highly-reliable HC-4E1 compressor. The Zephyr™ compressor is designed to operate with a wide variety of SHI cryocoolers and cryopumps.

The Zephyr™ utilizes a hermetic rotary compressor capsule designed exclusively to deliver high pressure, oil-free helium to cryogenic refrigerators. It is a reliable and compact system for both vacuum and laboratory operations, and like all Sumitomo Cryogenics products, is supported by a worldwide sales and service center network.

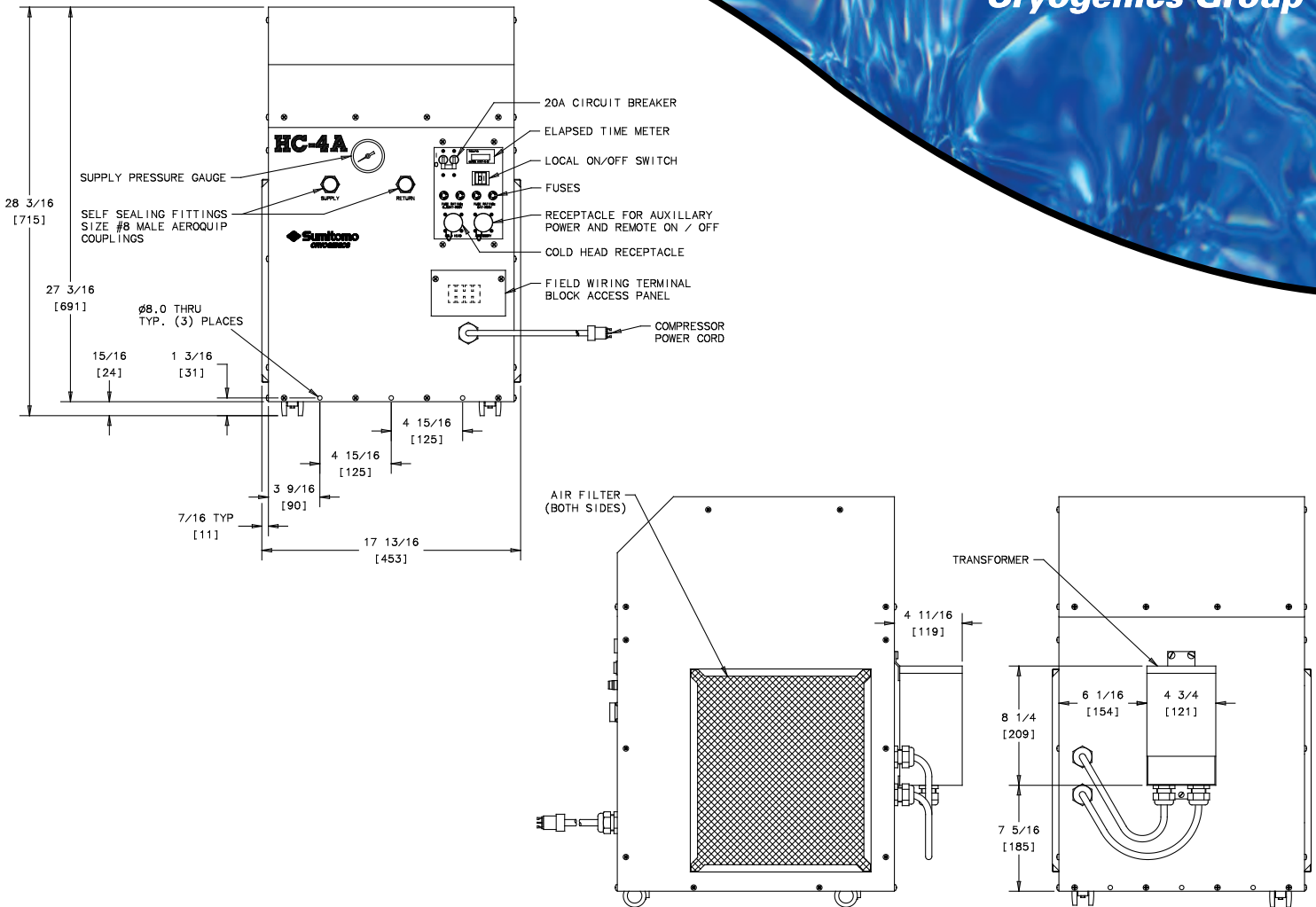
For customers wishing to convert their water-cooled system, the Zephyr™ is a direct replacement for the HC-4E1, HC-4MK2-1 and HC-2D-1 compressors.

Features

- Front panel access for all utilities and settings
- ON and OFF buttons for local operation of the compressor and cold head
- Automatic restart after power interruptions
- Front panel LCD display of elapsed run time
- New oil management system with a high efficiency oil separator
- 30,000 hour maintenance interval
- Automatic relief from over pressurization

Specifications

Electrical Specifications:	200, 220, 230/240 V~ (±5%), 50 Hz 220 V~ (±10%), 60 Hz
Power Consumption and Operation:	3.0 kW, 15.5 amperes full load at 200 V~, 50 Hz 3.4 kW, 16.0 amperes full load at 220 V~, 60 Hz 73 amperes locked rotor current
Ambient Temperature:	4° C to 32° C (40° F to 90° F) Indoor
Dimensions (HxWxD):	715 mm x 453 mm x 488 mm 28.2" x 17.8" x 19.2"
Weight:	102 kg (225 lbs.) 111 kg (245 lbs.) (with transformer)



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