



*ZEKS Model: 24HPHSG
Shown with optional air-cooled condenser*

680 PSIG Maximum Working Pressure

HPHSG Series

HeatSink™ Cycling Refrigerated Dryers For High Pressure Compressed Air Systems

HPHSG Series dryers are engineered to meet the specific requirements of compressed air systems that operate at pressures as high as 680 PSIG. They provide continuous drying capacity in all manufacturing environments and, like all ZEKS HeatSink™ dryers, they yield energy savings in applications where shift-demand or production output varies. Dryer components are sized and matched to enable stable dew point at full or partial loading for assurance of consistent air quality at the point of use.

HeatSink™ HPHSG Series includes:

- **Scroll Refrigeration Compressors** – Energy efficiency and reliability; Low charge/Low GWP refrigerant
- **Digital Controller** – Dryer and refrigeration system status display, Drain Fault alarm (See reverse side for additional information)
- **Network Communication** – Connects to any device that supports Modbus protocol
- **Water-Cooled Condenser** – Assures rated performance even in elevated ambient temperatures (Air-Cooled option available)
- **Phase Monitor** – Protects dryer against voltage and phase imbalance
- **Electronic No-Air-Loss Drain(s)** – Provides effective and efficient condensate removal. Includes high liquid level alarm functionality
- **Stainless Steel Heat Exchangers** – Specialized heat exchangers condition incoming compressed air to minimize energy cost, remove moisture, and eliminate downstream pipe sweating

See reverse side for Technical Specifications.

Technical Specifications

HeatSink™ HPHSG Series

MODEL	CAPACITY SCFM* 38°F PDP	PRESSURE DROP PSIG	DIMENSIONS**			SHIP WT. LBS.	AIR CONNECT IN/OUT	DRAIN CONNECT FNPT	REFRIG. COMP. H.P.	OPERATING KW*** WC	REFRIG. TYPE	MAXIMUM WORKING PRESSURE	VOLTAGES
			W IN.	D IN.	H IN.								
18HPHSG	3,000	4.5	34.00	91.50	81.00	3,623	6" FLG	1/4"	9.7	6.6	R410A	680 PSIG	460/3/60 380/3/50
24HPHSG	4,000	4.5	34.00	91.50	89.00	3,625	6" FLG	1/4"	12.7	8.3	R410A	680 PSIG	
36HPHSG	6,000	4.5	81.46	99.42	97.84	7,569	8" FLG	1/4"	9.7 (2)	13.2	R410A	680 PSIG	
48HPHSG	8,000	4.5	81.46	99.42	97.84	7,573	8" FLG	1/4"	12.7 (2)	16.6	R410A	680 PSIG	

* Performance based on 580 PSIG Inlet Air Pressure; 100°F Inlet Air Temperature; 100°F Ambient Air Temperature; 100% Relative Humidity

** Overall Dimensions shown for Water-Cooled models.

*** Average kilowatts per hour of dryer operation at full rated capacity for Water-Cooled models.
NEMA 1 Electrical Protection Class is standard. NEMA 4 option available.

• **Dryer Controller** – PLC-based programmable controller provides dryer monitoring capabilities. Backlit display communicates dryer operating status and refrigeration system parameters. Features include:

- Refrigeration System Parameters
- Adjustable Chiller Temperature
- Dryer Component Run Hours
- Drain Status/Test
- Maintenance Alerts
- Alarm Annunciation
- Fault Log
- RS-485 Communications
- Ethernet (Optional) - Modbus Protocol (TCP/IP)



HeatSink™ HPHSG Series™:
3,000-4,000 SCFM - Single-Module
6,000-8,000 SCFM - Dual-Module



ZEKS HPHSG Series compressed air dryers are not designed, intended or approved for breathing air applications.

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