

Environmentally Friendly  
Refrigerant



24HSF Model Shown In Standard Configuration

10-50 SCFM

# HeatSink™

**TRUE-CYCLING™ REFRIGERATED  
COMPRESSED AIR DRYERS**

ZEKS 10-50HSF HeatSink™ air dryers bring advanced air treatment technology to 2.5-10 horsepower compressed air systems. The dryer's True-Cycling™ operation adapts to the user's compressed air demands, turning the refrigeration system off during periods of low compressed air usage or reduced ambient temperatures, thereby saving energy. This design is particularly well-suited for applications with fluctuating air requirements, as traditional non-cycling dryers continue to operate, even when compressed air usage has ceased.

HeatSink™ dryers include enhanced heat exchanger, perfectly matched refrigeration components, and a superior centrifugal separator for high operating efficiency and long, reliable service. A field-proven float-type drain or optional timed electric solenoid drain contribute to the reliability of these dryers. Dryer operation is completely automatic and can be enhanced with installation of the Compustat™ microprocessor option.

All models are shipped fully assembled and require only compressed air and utility hookup for installation. HeatSink puts these advantages to work:

- **Low pressure drop**
- **Energy saving True-Cycling™ operation -**  
Savings as high as 75%
- **Reliability and long service life**
- **Compact size/Quiet operation**

## OPTIONAL FEATURES

### Compustat™ Controller -

Microprocessor provides dryer control, display and adjustment of multiple dryer conditions including dew point temperature.

Drain function and alarm conditions are adjustable through the panel-mounted touchpad. A remote alarm relay is included.

**Gauge Package** - Panel-mounted gauges: Inlet air temp.; Outlet Air Press.; Discharge Press.; Suction Press. (standard).



**Timed Solenoid Drain** - Electronically controlled drain can be adjusted to accommodate seasonal or environmental conditions. Panel-mounted dials for convenient drain timing adjustment. (24HSF; 35HSF; 50HSF models)

**Ambient Air Filter** - Cleanable filter protects refrigeration system condenser from becoming fouled. Externally mounted for convenient maintenance access.

**Wall-Mount Bracket** - Elevates unit above floor level. (10HSF; 18HSF models.)

See reverse side for Features Application

10-50 SCFM

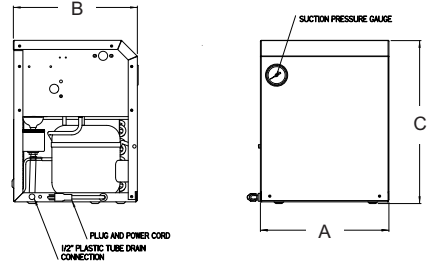
# HeatSink™

## TRUE-CYCLING™ REFRIGERATED COMPRESSED AIR DRYERS

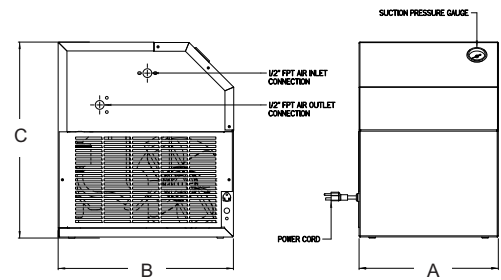
MODEL	10HSF	18HSF	24HSF	35HSF	50HSF
<b>Technical Specifications</b>					
38°F/3.3°C PDP; scfm*	10	18	24	35	50
50°F/10°C PDP; scfm*	14	25	33	48	69
Refrigerant	R-134a	R134a	R-404a	R-404a	R-404a
(A) Width in.	14	14	20	20	20
(B) Depth in.	14	14	16	16	16
(C) Height in.	18	18	23	23	23
Shipping Weight lb.	95	95	150	170	170
Air Connection In/Out	1/2" FPT	1/2" FPT	1/2" FPT	3/4" FPT	3/4" FPT
Condensate Drain	1/8" FPT	1/8" FPT	1/8" FPT	1/8" FPT	1/8" FPT
Refrig. Comp. HP	1/4	1/4	1/2	3/4	3/4
Max. Work. Press. psig	250	250	250	250	250
Operating KW**	.42	.59	.74	1.20	1.36
Voltages	115-1-60 220-1-50 †	115-1-60 220-1-50 †	115-1-60 220-1-50 †	115-1-60 220-1-50 †	115-1-60 220-1-50 †
<b>Features</b>					
Refrig Suction Pressure Gauge	S	S	S	S	S
Drain Trap	S	S	S	S	S
ON/OFF Switch	1	1	1	S	S
Refrigerant Compressor ON Light	1	1	1	S	S
Fahrenheit/Celsius Display	1	1	1	1	1
Dew Point Temp. Display	1	1	1	1	1
Analog Gauge Package	0	0	0	0	0
Remote Alarm	1	1	1	1	1
Timed Solenoid Drain (Dial Control)	-	-	0	0	0
Cleanable Ambient Air Filter	0	0	0	0	0
NEMA 4 Electrical	-	-	0	0	0
Wall-Mount Bracket	0	0	-	-	-

S – Standard Feature  
 O – Optional Feature  
 1 – With Compustat™ Controller  
 - – Not Available

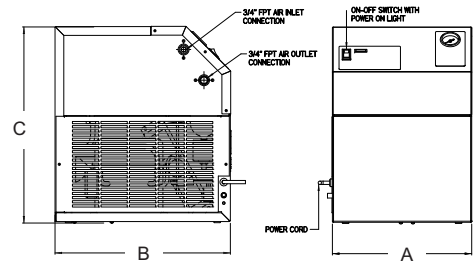
\* Performance data obtained as per ISO 7183, Table 2, Option A2.  
 Pressure dew point (PDP) at 100 psig, 100°F (37.8°C) inlet air, 100°F (37.8°C) ambient air.  
 \*\* Average kilowatts per hour of dryer operation at full rated capacity.  
 † 50 HZ for export only.



10, 18, HSF



24 HSF



35, 50 HSF



1302 Goshen Parkway  
 West Chester, PA 19380

Phone: 610-692-9100 800-888-2323  
 Fax: 610-692-9192  
 Web: www.zeks.com