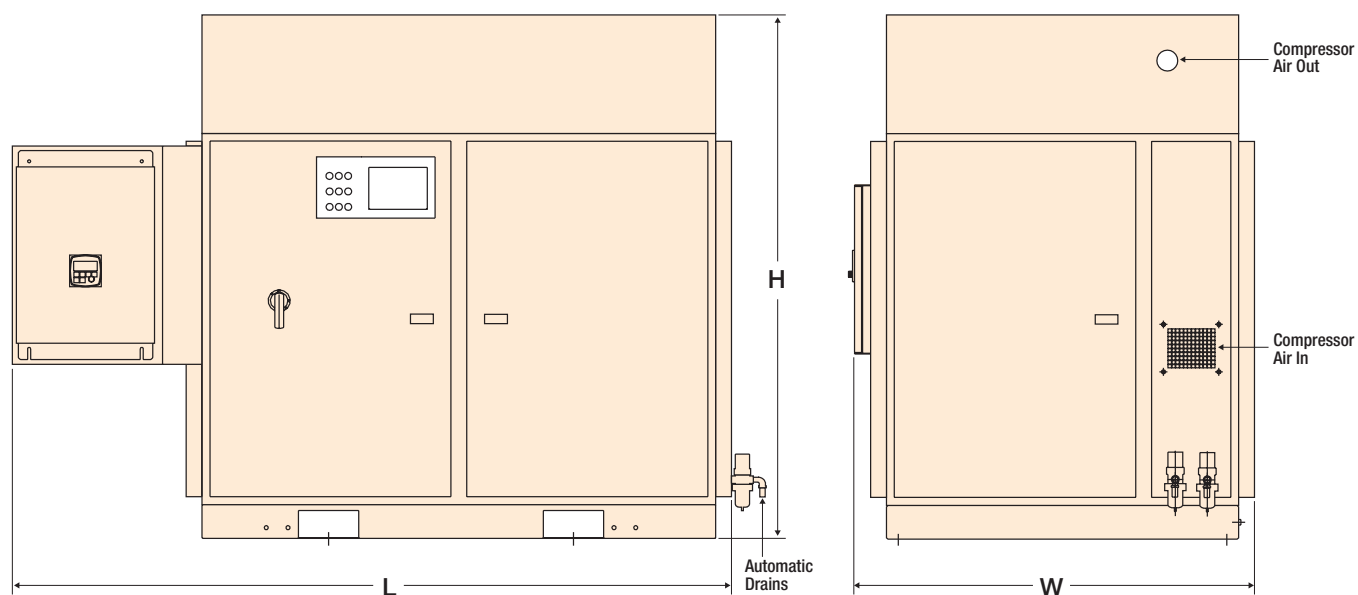


**H-SERIES – Variable Frequency Drive  
AIR-COOLED\* TWO-STAGE**

**Dimensions and Specifications** *Typical, do not use for construction. (Drawings are provided with order acknowledgement.)*

Model	Motor HP	Max. Pressure PSIG	Free Air** Delivery CFM	Length In.	Width In.	Height In.	Net Weight Lbs.
KNWA00-AX	30	125	60-75	85	36	68	2515
KNWA00-BX	40	125	60-95	85	36	68	2535
KNWA00-CX	50	125	100-127	85	36	68	2545
KNWA00-DX	60	125	100-167	85	36	68	2555
KNWA0-AX	60	150	130-172	93	49	66	3970
KNWA0-BX	75	150	130-223	93	49	66	4065
KNWA0-CX	100	150	130-292	93	49	66	4205
KNWA0-DX	100	135	130-331	93	49	66	4235
KNWA0-EX	125	135	130-400	93	49	66	4300
KNWA1-AX	125	150	310-413	136	63	74	6045
KNWA1-BX	150	150	310-504	136	63	74	6395
KNWA1-CX	150	150	310-534	136	63	74	6395
KNWA1-DX	200	150	310-618	136	63	74	6820
KNWA1-EX	200	150	310-653	136	63	74	6820
KNWA1-FX	200	135	310-728	136	63	74	6820
KNWA1-GX	250	135	310-818	CF	CF	CF	6970
KNWA2-AX	250	150	560-915	CF	CF	CF	10525
KNWA2-BX	300	150	560-1102	CF	CF	CF	10725
KNWA2-CX	350	150	560-1316	CF	CF	CF	11575
KNWA2-DX	400	135	560-1559	CF	CF	CF	12175



\*For water-cooled requirements, refer to Bulletin KNWH VFD

\*\*Capacity at 125 PSIG

**KNWAH VFD (1220)**  
Printed in U.S.A.

## Standard Equipment and Safety Devices

### Controls and Instrumentation

#### Service Indicators

- Air inlet filter condition indicator
- Oil filter condition indicator
- Oil level gauge
- Routine maintenance

#### Pressure Indicators

- First stage air discharge pressure
- Second stage air discharge pressure
- Oil pressure

#### Temperature Indicators

- First stage air discharge
- Second stage air inlet
- Second stage air discharge
- Lube oil
- Compressor discharge temperature

#### Additional Indicators

- Stand-by mode light
- Oil pump run light
- Fan run light
- Compressor run light
- Compressor load light
- Alarm light
- Hour meter – running time
- Hour meter – loaded time
- Manual unload light and switch
- Pre alarms
- HMI display

### Safety Devices

*All safety shutdowns, indicated by message on display and alarm light*

- Compressor motor overload shutdown light
- Oil pump motor overload shutdown light
- Fan motor overload shutdown light
- High first stage air discharge temperature shutdown and light
- High second stage suction temperature shutdown and light
- High second stage air discharge temperature shutdown and light
- High oil temperature shutdown and light
- Low oil pressure shutdown and light

- High cabinet temperature shutdown and light
- Starter failure light
- Temperature pre-shutdown alarms
- Compressor discharge temperature shutdown and alarm

#### Additional Devices

- Start/stop push buttons
- Lamp test
- Audible alarm
- Acknowledge switch
- Reset switch
- Common alarm contacts for remote indication
- Event alarm log
- Motor driven oil pump

**ROGERS**  
**KNW SERIES**  
ROGERS MACHINERY COMPANY, INC. - PORTLAND, OREGON, USA

## Additional Features

### Packaged Assembly

- Air-cooled or water cooled
- Integral air-cooled or watercooled aftercooler with moisture separator and automatic drain
- Cabinet ventilating fan
- Easy access for maintenance
- Removable doors
- Low installation cost
- Few connections required for installation – compressed air, condensate drains, electrical and water (when required)
- Solid State motor starter (460 volt standard)
- C/US certified panel



### Advanced Design

- Super Rotor delivers more cfm per horsepower
- Patent numbers 4583927 & 4671749
- Stainless Steel Rotors

### Efficient Control

- Load/unload electro-pneumatic
- Low unload horsepower

### Healthcare Facility Option

- No vibration generated in rotary design
- No special foundation required
- Variable frequency drive available
- Approved by NFPA for use as Medical Air compressor

Standard and optional equipment subject to change without notice.



14650 SW 72nd Avenue  
Portland, OR 97224-7943  
PO Box 230429  
Portland, OR 97281-0429

Phone 503-639-0808  
Fax 503-639-0111  
knwseries@rogers-machinery.com  
knw-series.com

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