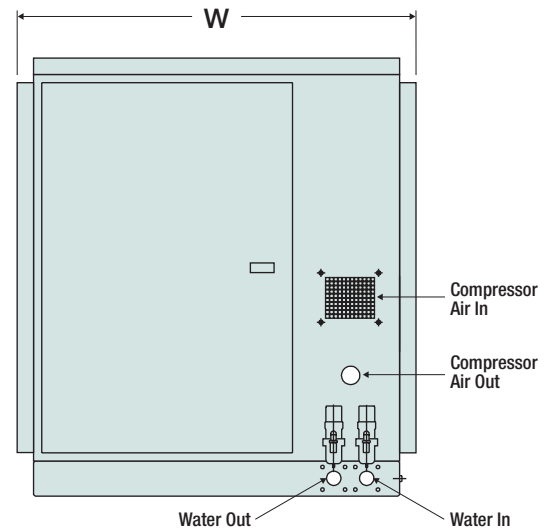
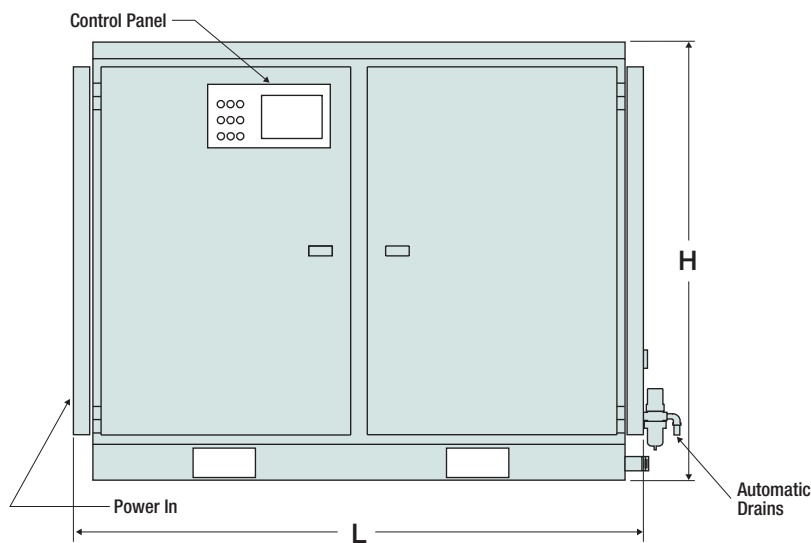


**S-SERIES  
WATER-COOLED\* SINGLE-STAGE**

**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.
KNW0-AS	30	35	178	69	49	53	3420
KNW0-BS	40	35	228	69	49	53	3490
KNW0-CS	50	35	298	69	49	53	3630
KNW0-DS	60	35	338	69	49	53	3660
KNW1-AS	60	35	421	83	62	60	5270
KNW1-BS	75	35	511	83	62	60	5620
KNW1-CS	75	35	540	83	62	60	5620
KNW1-DS	100	35	626	83	62	60	5870
KNW1-ES	100	35	661	83	62	60	5870
KNW1-FS	100	35	736	83	62	60	5910
KNW2-AS	125	35	921	124	74	72	8820
KNW2-BS	150	35	1108	124	74	72	8860
KNW2-CS	200	35	1322	124	74	72	9110
KNW2-DS	200	35	1565	124	74	72	9880



\*For air-cooled requirements, refer to Bulletin KNWAS  
\*\*Capacity at 35 PSIG

## 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



## 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

**DISTRIBUTED BY:**