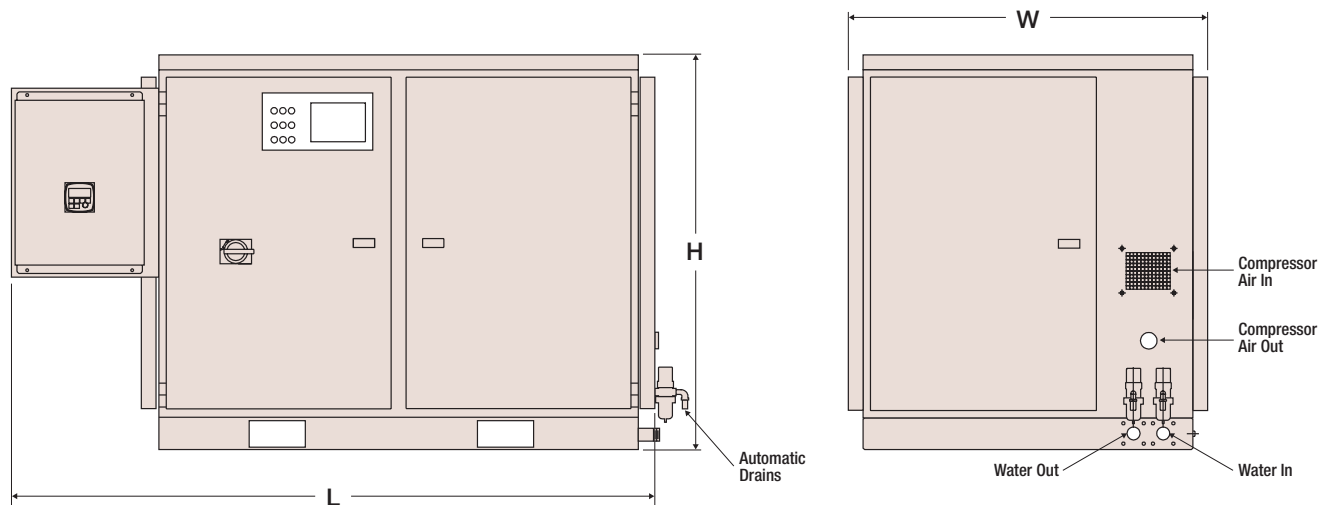


**L-SERIES – Variable Frequency Drive
WATER-COOLED* TWO-STAGE**

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.
KNW00-AXL	25	100	60-75	85	36	61	2515
KNW00-BXL	30	100	60-95	85	36	61	2535
KNW00-CXL	40	110	100-127	85	36	61	2535
KNW00-DXL	50	100	100-167	85	36	61	2650
KNW0-AXL	50	100	130-172	94	49	53	3350
KNW0-BXL	60	100	130-223	94	49	53	3550
KNW0-CXL	75	100	130-292	94	49	53	3600
KNW0-DXL	100	135	130-331	94	49	53	3650
KNW0-EXL	125	135	130-400	94	49	53	3800
KNW1-AXL	100	125	310-413	136	62	60	5580
KNW1-BXL	125	125	310-504	136	62	60	5800
KNW1-CXL	125	120	310-534	136	62	60	5850
KNW1-DXL	150	125	310-618	136	62	60	6150
KNW1-EXL	150	115	310-653	136	62	60	6200
KNW1-FXL	200	135	310-728	136	62	60	6400
KNW1-GXL	200	125	310-818	136	62	60	6450
KNW2-AXL	200	110	560-915	160	75	72	9950
KNW2-BXL	250	125	560-1102	CF	CF	CF	10100
KNW2-CXL	300	125	560-1316	CF	CF	CF	10800
KNW2-DXL	350	115	560-1559	CF	CF	CF	11400
KNW3-AXL	400	125	1000-1765	CF	CF	CF	13500
KNW3-BXL	450	125	1000-1936	CF	CF	CF	13700
KNW3-CXL	500	125	1000-2155	CF	CF	CF	14100



*For air-cooled requirements, refer to Bulletin KNWAXL VFD

**Capacity at 100 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

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