

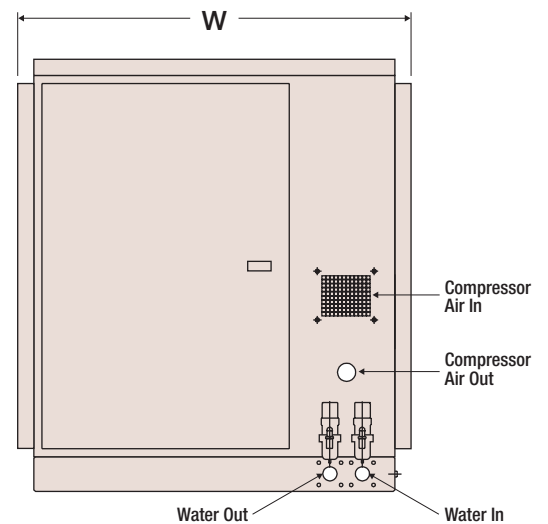
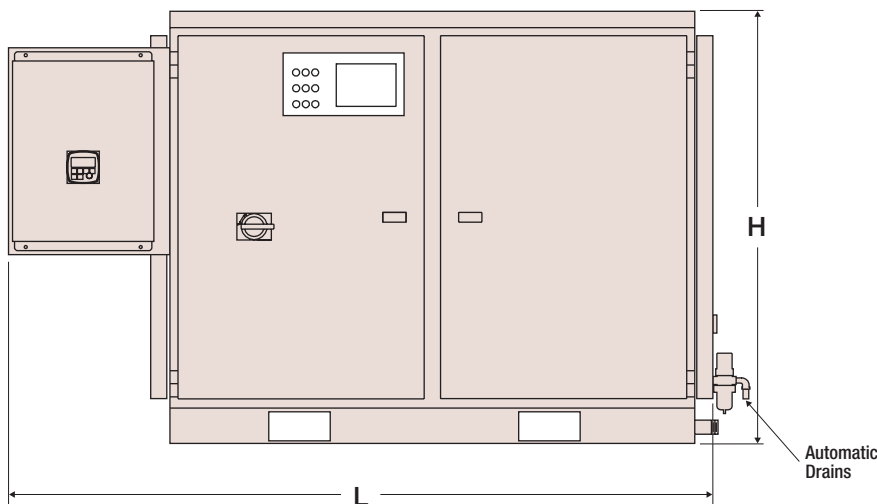
## L-SERIES – Variable Frequency Drive WATER-COOLED\* TWO-STAGE

### 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-A/XL	25	100	60-75	85	36	61	2515
KNW00-B/XL	30	100	60-95	85	36	61	2535
KNW00-C/XL	40	110	100-127	85	36	61	2535
KNW00-D/XL	50	100	100-167	85	36	61	2650
KNW0-A/XL	50	100	110-172	94	49	53	3350
KNW0-B/XL	60	100	110-223	94	49	53	3550
KNW0-C/XL	75	100	110-292	94	49	53	3600
KNW0-D/XL	100	135	110-331	94	49	53	3650
KNW0-E/XL	125	135	110-400	94	49	53	3800
KNW1-A/XL	100	125	230-413	136	62	60	5580
KNW1-B/XL	125	125	230-504	136	62	60	5800
KNW1-C/XL	125	120	230-534	136	62	60	5850
KNW1-D/XL	150	125	230-618	136	62	60	6150
KNW1-E/XL	150	115	230-653	136	62	60	6200
KNW1-F/XL	200	135	230-728	136	62	60	6400
KNW1-G/XL	200	125	230-818	136	62	60	6450
KNW2-A/XL	200	110	560-915	160	75	72	9950
KNW2-B/XL	250	125	560-1102	CF	CF	CF	10100
KNW2-C/XL	300	125	560-1316	CF	CF	CF	10800
KNW2-D/XL	350	115	560-1559	CF	CF	CF	11400
KNW3-A/XL	400	125	1100-1765	CF	CF	CF	13500
KNW3-B/XL	450	125	1100-1936	CF	CF	CF	13700
KNW3-C/XL	500	125	1100-2155	CF	CF	CF	14100

\*For air-cooled requirements, refer to Bulletin KNWA/XL 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

### 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
- Internet options
- Color monitor options

## Additional Features

### Packaged Assembly

- Air-cooled or water cooled
- Integral air-cooled or water-cooled 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)
- Wye Delta motor starter (460 volt standard)
- CSA certified panel



### Advanced Design

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

### Efficient Control

- Load/unload electro-pneumatic
- Low unload horsepower

### Vibration Free

- No vibration generated in rotary design
- No special foundation required
- Variable frequency drive available
- Energy saving heat of compression dryer available

Standard and optional equipment subject to change without notice.

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