

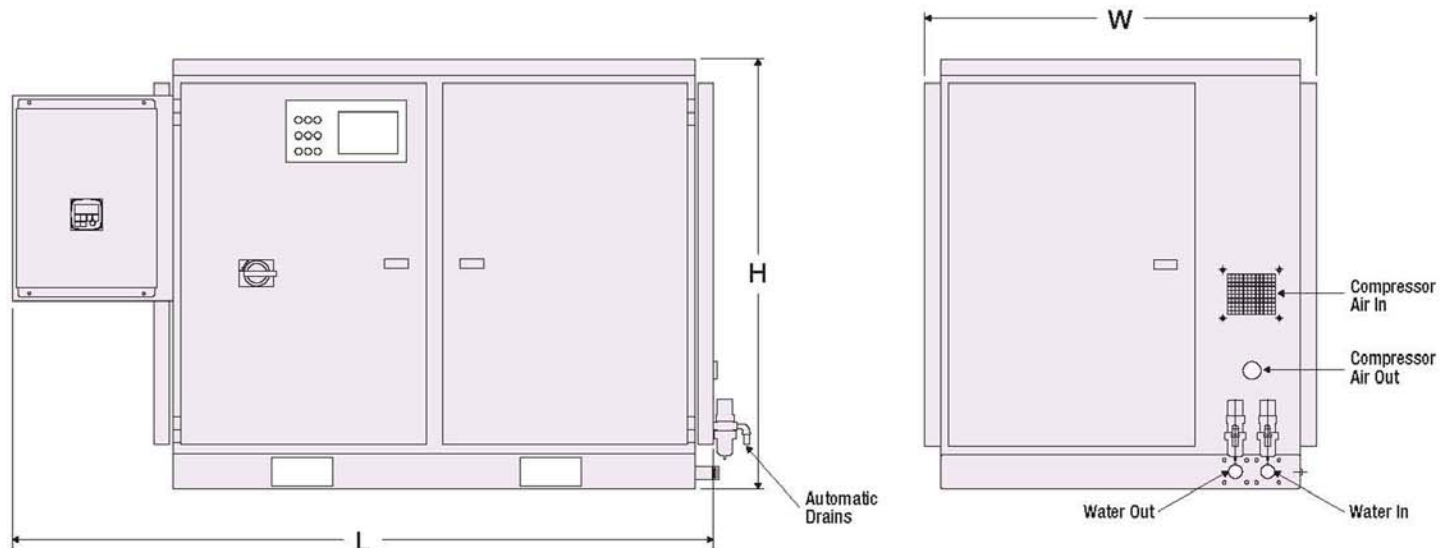
## H-SERIES - Variable Frequency Drive WATER-COOLED\* TWO-STAGE

### 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/X	30	125	65-75	85	36	61	2190
KNW00-B/X	40	125	65-95	85	36	61	2320
KNW00-C/X	50	125	110-127	85	36	61	2410
KNW00-D/X	60	125	110-167	85	36	61	2540
KNW00-E/X	75	125	110-209	85	36	61	2600
KNW0-A/X	60	150	80-172	94	49	53	3350
KNW0-B/X	75	150	80-223	94	49	53	3550
KNW0-C/X	100	150	80-292	94	49	53	3600
KNW0-D/X	100	135	80-331	94	49	53	3650
KNW1-A/X	125	150	280-413	119	62	60	5580
KNW1-B/X	150	150	280-504	119	62	60	5800
KNW1-C/X	150	150	280-534	119	62	60	5850
KNW1-D/X	200	150	280-618	136	62	60	6150
KNW1-E/X	200	150	280-653	136	62	60	6200
KNW1-F/X	200	135	280-728	136	62	60	6400
KNW1-G/X	250	135	280-818	136	62	60	6450
KNW2-A/X	250	150	535-915	160	75	72	9950
KNW2-B/X	300	150	535-1102	160	75	72	10100
KNW2-C/X	350	150	535-1316	160	75	72	10800
KNW2-D/X	400	150	535-1559	160	75	72	11400
KNW3-A/X	400	125	1500-1765	175	82	92	13500
KNW3-B/X	450	125	1500-1936	175	82	92	13700
KNW3-C/X	500	125	1500-2155	175	82	92	14100

\* For air-cooled requirements refer to bulletin KNWA/H-VSD

\*\* Capacity at 125 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
- Fan run
- Compressor run
- Compressor load light
- Alert light
- Alarm light
- Hour meter – running time
- Hour meter – loaded time
- Manual unload display
- Lead/LAG (Optional)
- Local/Remote (Optional)

### Safety Devices

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

- Compressor motor overload shutdown
- Oil pump motor overload shutdown
- Fan motor overload shutdown
- High first stage air discharge temperature shutdown
- High second stage suction temperature shutdown
- High second stage air discharge temperature shutdown
- High oil temperature shutdown
- Low oil pressure shutdown
- High cabinet temperature shutdown
- Starter failure

- Temperature pre-shutdown alert
- Compressor discharge temperature shutdown

#### Additional Devices

- E-Stop disconnect
- Start/stop push buttons
- Lamp test
- Audible alarm
- Acknowledge switch
- Reset push button
- Common alarm contacts for remote indication
- Event alarm log
- Trend charts
- Internet options
- Data logging
- 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)
- CSA certified panel



### Advanced Design

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

### Efficient Control

- Load/unload electro-pneumatic
- DC link reactor
- Variable frequency control

### Vibration Free

- No vibration generated in rotary design
- No special foundation required

Standard and optional equipment subject to change without notice.

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