

## Technical Specifications

### RKHD-100 VSD

**100 PSI      460 V      60 Hz      3 Phase**

#### GENERAL DATA

Nominal Working Pressure	<b>100 psi</b>	
Nominal Motor Power	<b>75 kW</b>	<b>100 HP</b>
Maximum Ambient Temperature	<b>113 °F</b>	
Minimum Ambient Temperature	<b>41 °F</b>	

#### WORKING DATA

ACFM Max	<b>518 cfm</b>	
Total Package Max Current Draw at Full Load	<b>81 kW</b>	<b>144 A</b>
Total Power at No Load	<b>22 kW</b>	
Max Rotor Speed	<b>4700 rpm</b>	
Noise Level	<b>74 ± 3 dB</b>	

#### MAIN MOTOR

Driving System (Electric)	<b>Inverter Drive</b>	
Power Transmission	<b>Direct Drive</b>	
Nominal Motor Power	<b>75 kW</b>	<b>100 HP</b>
N° Poles	<b>2</b>	
Max Motor Speed	<b>3570 rpm</b>	
Service Class	<b>S1 100%</b>	
Efficiency	<b>IE3</b>	
Form Factor	<b>B35</b>	
Protection	<b>IP 55</b>	

#### COOLING SYSTEM

Fan Motor Power	<b>2.8 + 0.5 kW</b>
Fan Motor Speed	<b>1382 rpm</b>
Protection	<b>IP54 class</b>
Insulation Class	<b>F</b>
Cooling Air Flow	<b>7100 cfm</b>

#### LUBRICATION

Oil Quantity	<b>17 gallons</b>
Oil Type	<b>PneuTech PG46</b>
Residual Oil	<b>≤ 3 ppm</b>

#### MACHINE DIMENSIONS AND WEIGHT

W x D x H	<b>82 X 60 X 77 inches</b>
Weight	<b>4850 lbs</b>
Outlet Air Diameter	<b>Female NPT 2"</b>

## Technical Specifications

### RKHD-100 VSD

**110 PSI      460 V      60 Hz      3 Phase**

#### GENERAL DATA

Nominal Working Pressure	<b>110 psi</b>	
Nominal Motor Power	<b>75 kW</b>	<b>100 HP</b>
Maximum Ambient Temperature	<b>113 °F</b>	
Minimum Ambient Temperature	<b>41 °F</b>	

#### WORKING DATA

ACFM Max	<b>496 cfm</b>	
Total Package Max Current Draw at Full Load	<b>81 kW</b>	<b>144 A</b>
Total Power at No Load	<b>22 kW</b>	
Max Rotor Speed	<b>4700 rpm</b>	
Noise Level	<b>74 ± 3 dB</b>	

#### MAIN MOTOR

Driving System (Electric)	<b>Inverter Drive</b>	
Power Transmission	<b>Direct Drive</b>	
Nominal Motor Power	<b>75 kW</b>	<b>100 HP</b>
N° Poles	<b>2</b>	
Max Motor Speed	<b>3570 rpm</b>	
Service Class	<b>S1 100%</b>	
Efficiency	<b>IE3</b>	
Form Factor	<b>B35</b>	
Protection	<b>IP 55</b>	

#### COOLING SYSTEM

Fan Motor Power	<b>2.8 + 0.5 kW</b>
Fan Motor Speed	<b>1382 rpm</b>
Protection	<b>IP54 class</b>
Insulation Class	<b>F</b>
Cooling Air Flow	<b>7100 cfm</b>

#### LUBRICATION

Oil Quantity	<b>17 gallons</b>
Oil Type	<b>PneuTech PG46</b>
Residual Oil	<b>≤ 3 ppm</b>

#### MACHINE DIMENSIONS AND WEIGHT

W x D x H	<b>82 X 60 X 77 inches</b>
Weight	<b>4850 lbs</b>
Outlet Air Diameter	<b>Female NPT 2"</b>

## Technical Specifications

### RKHD-100 VSD

**125 PSI      460 V      60 Hz      3 Phase**

#### GENERAL DATA

Nominal Working Pressure	<b>125 psi</b>	
Nominal Motor Power	<b>75 kW</b>	<b>100 HP</b>
Maximum Ambient Temperature	<b>113 °F</b>	
Minimum Ambient Temperature	<b>41 °F</b>	

#### WORKING DATA

ACFM Max	<b>470 cfm</b>	
Total Package Max Current Draw at Full Load	<b>82 kW</b>	<b>144 A</b>
Total Power at No Load	<b>23 kW</b>	
Max Rotor Speed	<b>4700 rpm</b>	
Noise Level	<b>74 ± 3 dB</b>	

#### MAIN MOTOR

Driving System (Electric)	<b>Inverter Drive</b>	
Power Transmission	<b>Direct Drive</b>	
Nominal Motor Power	<b>75 kW</b>	<b>100 HP</b>
N° Poles	<b>2</b>	
Max Motor Speed	<b>3570 rpm</b>	
Service Class	<b>S1 100%</b>	
Efficiency	<b>IE3</b>	
Form Factor	<b>B35</b>	
Protection	<b>IP 55</b>	

#### COOLING SYSTEM

Fan Motor Power	<b>2.8 + 0.5 kW</b>
Fan Motor Speed	<b>1382 rpm</b>
Protection	<b>IP54 class</b>
Insulation Class	<b>F</b>
Cooling Air Flow	<b>7100 cfm</b>

#### LUBRICATION

Oil Quantity	<b>17 gallons</b>
Oil Type	<b>PneuTech PG46</b>
Residual Oil	<b>≤ 3 ppm</b>

#### MACHINE DIMENSIONS AND WEIGHT

W x D x H	<b>82 X 60 X 77 inches</b>
Weight	<b>4850 lbs</b>
Outlet Air Diameter	<b>Female NPT 2"</b>