

Technical Specifications

RKHD-50 VSD

100 PSI 460 V 60 Hz 3 Phase

GENERAL DATA

Nominal Working Pressure	100 psi	
Nominal Motor Power	37 kW	50 HP
Maximum Ambient Temperature	113 °F	
Minimum Ambient Temperature	41 °F	

WORKING DATA

ACFM Max	247 cfm	
Total Package Max Current Draw at Full Load	39 kW	66 A
Total Power at No Load	11 kW	
Max Rotor Speed	4800 rpm	
Noise Level	68 ± 3 dB	

MAIN MOTOR

Driving System (Electric)	Inverter Drive	
Power Transmission	Direct Drive	
Nominal Motor Power	37 kW	50 HP
N° Poles	2	
Max Motor Speed	3540 rpm	
Service Class	S1 95%	
Efficiency	IE3	
Form Factor	B35	
Protection	IP 55	

COOLING SYSTEM

Fan Motor Power	0.3 kW
Fan Motor Speed	2900 rpm
Protection	IP44 class
Insulation Class	F
Cooling Air Flow	4400 cfm

LUBRICATION

Oil Quantity	5 gallons
Oil Type	PneuTech PG46
Residual Oil	≤ 3 ppm

MACHINE DIMENSIONS AND WEIGHT

W x D x H	77 X 48 X 63 inches
Weight	2215 lbs
Outlet Air Diameter	Female NPT 1 1/2"

Technical Specifications

RKHD-50 VSD

110 PSI 460 V 60 Hz 3 Phase

GENERAL DATA

Nominal Working Pressure	110 psi	
Nominal Motor Power	37 kW	50 HP
Maximum Ambient Temperature	113 °F	
Minimum Ambient Temperature	41 °F	

WORKING DATA

ACFM Max	233 cfm	
Total Package Max Current Draw at Full Load	38 kW	66 A
Total Power at No Load	12 kW	
Max Rotor Speed	4800 rpm	
Noise Level	68 ± 3 dB	

MAIN MOTOR

Driving System (Electric)	Inverter Drive	
Power Transmission	Direct Drive	
Nominal Motor Power	37 kW	50 HP
N° Poles	2	
Max Motor Speed	3540 rpm	
Service Class	S1 95%	
Efficiency	IE3	
Form Factor	B35	
Protection	IP 55	

COOLING SYSTEM

Fan Motor Power	0.3 kW
Fan Motor Speed	2900 rpm
Protection	IP44 class
Insulation Class	F
Cooling Air Flow	4400 cfm

LUBRICATION

Oil Quantity	5 gallons
Oil Type	PneuTech PG46
Residual Oil	≤ 3 ppm

MACHINE DIMENSIONS AND WEIGHT

W x D x H	77 X 48 X 63 inches
Weight	2215 lbs
Outlet Air Diameter	Female NPT 1 1/2"

Technical Specifications

RKHD-50 VSD

125 PSI 460 V 60 Hz 3 Phase

GENERAL DATA

Nominal Working Pressure	125 psi	
Nominal Motor Power	37 kW	50 HP
Maximum Ambient Temperature	113 °F	
Minimum Ambient Temperature	41 °F	

WORKING DATA

ACFM Max	219 cfm	
Total Package Max Current Draw at Full Load	38 kW	66 A
Total Power at No Load	13 kW	
Max Rotor Speed	4800 rpm	
Noise Level	68 ± 3 dB	

MAIN MOTOR

Driving System (Electric)	Inverter Drive	
Power Transmission	Direct Drive	
Nominal Motor Power	37 kW	50 HP
N° Poles	2	
Max Motor Speed	3540 rpm	
Service Class	S1 95%	
Efficiency	IE3	
Form Factor	B35	
Protection	IP 55	

COOLING SYSTEM

Fan Motor Power	0.3 kW
Fan Motor Speed	2900 rpm
Protection	IP44 class
Insulation Class	F
Cooling Air Flow	4400 cfm

LUBRICATION

Oil Quantity	5 gallons
Oil Type	PneuTech PG46
Residual Oil	≤ 3 ppm

MACHINE DIMENSIONS AND WEIGHT

W x D x H	77 X 48 X 63 inches
Weight	2215 lbs
Outlet Air Diameter	Female NPT 1 1/2"