

Technical Specifications

RKHD-420F

100 PSI 460 V 60 Hz 3 Phase

GENERAL DATA

Nominal Working Pressure	100 psi	
Nominal Motor Power	315 kW	425 HP
Maximum Ambient Temperature	113 °F	
Minimum Ambient Temperature	36 °F	

WORKING DATA

ACFM Max	1921 cfm	
Total Package Max Current Draw at Full Load	342 kW	588 A
Total Power at No Load	95 kW	
Max Rotor Speed	4000 rpm	
Noise Level	76 ± 3 dB	

MAIN MOTOR

Driving System (Electric)	Star/Delta	
Power Transmission	Direct Drive	
Nominal Motor Power	315 kW	425 HP
N° Poles	2	
Max Motor Speed	3570 rpm	
Service Class	S1 95%	
Efficiency	IE3	
Form Factor	B35	
Protection	IP54/F	

COOLING SYSTEM

Fan Motor Power	5.5 X 2 kW
Fan Motor Speed	1140 rpm
Protection	IP54 class
Insulation Class	F
Cooling Air Flow	32960 cfm

LUBRICATION

Oil Quantity	63 gallons
Oil Type	PneuTech PG46
Residual Oil	≤ 3 ppm

MACHINE DIMENSIONS AND WEIGHT

W x D x H	157 X 85 X 89 inches
Weight	16750 lbs
Outlet Air Diameter	ASME B16.5 5"RF

Technical Specifications

RKHD-420F

110 PSI 460 V 60 Hz 3 Phase

GENERAL DATA

Nominal Working Pressure	110 psi	
Nominal Motor Power	315 kW	425 HP
Maximum Ambient Temperature	113 °F	
Minimum Ambient Temperature	36 °F	

WORKING DATA

ACFM Max	1868 cfm	
Total Package Max Current Draw at Full Load	343 kW	588 A
Total Power at No Load	99 kW	
Max Rotor Speed	4000 rpm	
Noise Level	76 ± 3 dB	

MAIN MOTOR

Driving System (Electric)	Star/Delta	
Power Transmission	Direct Drive	
Nominal Motor Power	315 kW	425 HP
N° Poles	2	
Max Motor Speed	3570 rpm	
Service Class	S1 95%	
Efficiency	IE3	
Form Factor	B35	
Protection	IP54/F	

COOLING SYSTEM

Fan Motor Power	5.5 X 2 kW
Fan Motor Speed	1140 rpm
Protection	IP54 class
Insulation Class	F
Cooling Air Flow	32960 cfm

LUBRICATION

Oil Quantity	63 gallons
Oil Type	PneuTech PG46
Residual Oil	≤ 3 ppm

MACHINE DIMENSIONS AND WEIGHT

W x D x H	157 X 85 X 89 inches
Weight	16750 lbs
Outlet Air Diameter	ASME B16.5 5"RF

Technical Specifications

RKHD-420F

125 PSI 460 V 60 Hz 3 Phase

GENERAL DATA

Nominal Working Pressure	125 psi	
Nominal Motor Power	315 kW	425 HP
Maximum Ambient Temperature	113 °F	
Minimum Ambient Temperature	36 °F	

WORKING DATA

ACFM Max	1783 cfm	
Total Package Max Current Draw at Full Load	340 kW	588 A
Total Power at No Load	104 kW	
Max Rotor Speed	4000 rpm	
Noise Level	76 ± 3 dB	

MAIN MOTOR

Driving System (Electric)	Star/Delta	
Power Transmission	Direct Drive	
Nominal Motor Power	315 kW	425 HP
N° Poles	2	
Max Motor Speed	3570 rpm	
Service Class	S1 95%	
Efficiency	IE3	
Form Factor	B35	
Protection	IP54/F	

COOLING SYSTEM

Fan Motor Power	5.5 X 2 kW
Fan Motor Speed	1140 rpm
Protection	IP54 class
Insulation Class	F
Cooling Air Flow	32960 cfm

LUBRICATION

Oil Quantity	63 gallons
Oil Type	PneuTech PG46
Residual Oil	≤ 3 ppm

MACHINE DIMENSIONS AND WEIGHT

W x D x H	157 X 85 X 89 inches
Weight	16750 lbs
Outlet Air Diameter	ASME B16.5 5"RF