



Vacuum Installation Data Sheet



Doc. No.: TI.IDS-117
Version 1.2

ASV SERIES
VACUUM UNITS

2/24/2021

MODEL	ASV 41	ASV 61
General Unit Data:		
Volume [acfm] @ 10 inches HgV	166	217
Drive Motor Nominal HP	10	15
Drive Motor Nominal Speed	3600	3600
Max. Vacuum: Dual Control	99.0%	99.0%
Max. Vacuum: Modulation Control	97.0%	97.0%
Modulation Set Point	25.0	25.0
V-belt Quantity (Multi-ribbed)	1	1
Cooling Data:		
Cooling System Available	A / C	A / C
Cooling Fan Capacity [cfm]	1030	1030
Standard Ambient Temperature Range [F]	40-115	40-115
Max Intake Air (gas) Temperature [F]	115	115
Discharge Temperature [F]	160-205	160-205
Max Static Pressure Drop for Ducts [in water column]	0.12	0.12
Heat Rejected [BTU/HR]	24,028	36,051
Piping Connections [inch NPT]		
Air Discharge	2 3/4" ANSI	2 3/4" ANSI
Vacuum Connection	2 1/2" ANSI B16.5 150lb.	2 1/2" ANSI B16.5 150lb.
Noise Level Data:		
(measured in dB(A) at 1m (approx. 3 ft.) acc. to CAGI)		
A/C with Standard Cabinet	69	70
Envelope Dimensions:		
Width [in.]	53	53
Depth [in.]	36 3/4	36 3/4
Height [in.]	49 3/4	49 3/4
Floor Space in Sq. Ft.	13 1/2	13 1/2
Weight:		
Net Weight	1113	1135
Electrical Data: Drive Motor		
Enclosure Type	TEFC	TEFC
Service Factor	1.15	1.15
Insulation Class	F	F
Full Load Efficiency	90.20%	91.70%
Input kW	7.8	11.6
Electrical Data: Total Package		
Full Load Amps @ 230V/3ph/60Hz	24	38
Full Load Amps @ 460V/3ph/60Hz	13	20
Overload Relay Set-Point [Amps] @ 230V/3ph/60Hz	23	37
Overload Relay Set-Point [Amps] @ 460V/3ph/60Hz	12	18
Disconnect Fuse Size [Amps] @ 230V/3ph/60Hz	45	60
Disconnect Fuse Size [Amps] @ 460V/3ph/60Hz	25	35
Disconnect Wire Size [Amps] @ 230V/3ph/60Hz	8 AWG per phase and ground	6 AWG per phase and ground
Disconnect Wire Size [Amps] @ 460V/3ph/60Hz	10 AWG per phase and ground	10 AWG per phase and ground
Fluid System Data:		
System Capacity [gal]	3.2	3.2



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BSV SERIES
VACUUM UNITS

2/24/2021

MODEL	BSV 81	BSV 101
General Unit Data:		
Volume [acfm] @ 10 inches HgV	297	367
Drive Motor Nominal HP	20	25
Drive Motor Nominal Speed	3600	3600
Max. Vacuum: Dual Control	99.0%	99.0%
Max. Vacuum: Modulation Control	97.0%	97.0%
Modulation Set Point	25.0	25.0
V-belt Quantity (Multi-ribbed)	1	1
Cooling Data:		
Cooling System Available	A / C	A / C
Cooling Fan Capacity [cfm]	2060	2060
Standard Ambient Temperature Range [F]	40-115	40-115
Max Intake Air (gas) Temperature [F]	115	115
Discharge Temperature [F]	160-205	160-205
Max Static Pressure Drop for Ducts [in water column]	0.12	0.12
Heat Rejected [BTU/HR]	42,577	61,695
Piping Connections [inch NPT]		
Air Discharge	2 1/2 ASME Class 150	2 1/2 ASME Class 150
Vacuum Connection	3 ASME Class 150	3 ASME Class 150
Noise Level Data:		
(measured in dB(A) at 1m (approx. 3 ft.) acc. to CAGI)		
A/C with Standard Cabinet	69	70
Envelope Dimensions:		
Width [in.]	65 3/4	65 3/4
Depth [in.]	40 1/2	40 1/2
Height [in.]	55 1/4	55 1/4
Floor Space in Sq. Ft.	18 1/2	18 1/2
Weight:		
Net Weight	1653	1698
Electrical Data: Drive Motor		
Enclosure Type	TEFC	TEFC
Service Factor	1.18	1.24
Insulation Class	F	F
Full Load Efficiency	91.0%	91.7%
Input kW	13.7	19.7
Electrical Data: Total Package		
Full Load Amps @ 230V/3ph/60Hz	43	61
Full Load Amps @ 460V/3ph/60Hz	22	30
Overload Relay Set-Point [Amps] @ 230V/3ph/60Hz	47	58
Overload Relay Set-Point [Amps] @ 460V/3ph/60Hz	24	29
Disconnect Fuse Size [Amps] @ 230V/3ph/60Hz	80	110
Disconnect Fuse Size [Amps] @ 460V/3ph/60Hz	40	60
Disconnect Wire Size [Amps] @ 230V/3ph/60Hz	4 AWG per phase and ground	3 AWG per phase and ground
Disconnect Wire Size [Amps] @ 460V/3ph/60Hz	8 AWG per phase and ground	8 AWG per phase and ground
Fluid System Data:		
System Capacity [gal]	9.8	9.8



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CSV SERIES
VACUUM UNITS

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MODEL	CSV 126	CSV 151
General Unit Data:		
Volume [acfm] @ 10 inches HgV	473	551
Drive Motor Nominal HP	30	40
Drive Motor Nominal Speed	1800	1800
Max. Vacuum: Dual Control	99.0%	99.0%
Max. Vacuum: Modulation Control	97.0%	97.0%
Modulation Set Point	25.0	25.0
V-belt Quantity	6	6
Cooling Data:		
Cooling System Available	A / C	A / C
Cooling Fan Capacity [cfm]	1766	1766
Standard Ambient Temperature Range [F]	40-115	40-115
Max Intake Air (gas) Temperature [F]	115	115
Discharge Temperature [F]	160-205	160-205
Max Static Pressure Drop for Ducts [in water column]	0.12	0.12
Heat Rejected [BTU/HR]	59,137	84,520
Piping Connections [inch NPT]		
Air Discharge	3" ANSI	3" ANSI
Vacuum Connection	4" ANSI B16.5 150lb	4" ANSI B16.5 150lb
Noise Level Data:		
(measured in dB(A) at 1m (approx. 3 ft.) acc. to CAGI)		
A/C with Standard Cabinet	68	73
Envelope Dimensions:		
Width [in.]	77 3/8	77 3/8
Depth [in.]	50	50
Height [in.]	65 3/4	65 3/4
Floor Space in Sq. Ft.	26 6/7	26 6/7
Weight:		
Net Weight	3329	3417
Electrical Data: Drive Motor		
Enclosure Type	TEFC	TEFC
Service Factor	1.18	1.24
Insulation Class	F	F
Full Load Efficiency	93.6%	94.1%
Input kW	18.5	26.3
Electrical Data: Total Package		
Full Load Amps @ 230V/3ph/60Hz	74	97
Full Load Amps @ 460V/3ph/60Hz	37	49
Overload Relay Set-Point [Amps] @ 230V/3ph/60Hz	73	96
Overload Relay Set-Point [Amps] @ 460V/3ph/60Hz	37	48
Disconnect Fuse Size [Amps] @ 230V/3ph/60Hz	125	150
Disconnect Fuse Size [Amps] @ 460V/3ph/60Hz	60	80
Disconnect Wire Size [Amps] @ 230V/3ph/60Hz	2 AWG per phase and ground	1/0 AWG per phase and ground
Disconnect Wire Size [Amps] @ 460V/3ph/60Hz	6 AWG per phase and ground	4 AWG per phase and ground
Fluid System Data:		
System Capacity [gal]	14.5	14.5