



1-800-GRAINGER (472-4643)

## Vacuum Motors

- Enclosure: open
- Thermal protection: None, except where noted
- Mounting: all-position
- Bearings: ball, permanently lubricated
- Max. ambient temp.: 40°C, except 413W26 is 50°C

- Duty: intermittent
- Avg. brush life (Ametek only): 4.3" and 5.7" dia., 500 hr. (except 413W26 is 800 hr.); 7.2" dia., 700 hr.; 7.5" dia., 1000 hr.; 8.4" dia., 1500 hr.

Body Dia.	Voltage	Blower Stages	CFM @ 2" Orifice (H <sub>2</sub> O Sealed)	Vacuum Air Watts	Max. Amps	Max. Overall Height	Replacement Brushes	Inlet Tube Dia.	Brand	Mfr. Model	Item No.	
<b>Peripheral Bypass Discharge</b>												
<b>Thermoset Mounting Brackets</b>												
5.7 in	120V AC	1	95	50.1	188	4 A	5 1/8 in	152F62	—	Ametek	116325-00	2M428
	120V AC	1	110	45.0	140	6.2 A	5 in	34DA21	2 in	Dayton	322N72	322N72
	120V AC	1	115	50.0	195	8.2 A	5 3/8 in	34DA21	2 in	Dayton	322N73	322N73
	120V AC	1	133	49.5	291	4.9 A	5 3/8 in	152F62	—	Ametek	116196-00	4M960
	120V AC	2	94	84.3	274	5.4 A	6 3/8 in	2UV81	—	Ametek	116336-01	2M429
	120V AC	2	94	84.3	274	5.4 A	6 3/8 in	2UV15	—	Ametek	119414-00	3GXE9
	120V AC	2	96	88.1	292	5.2 A	6 3/8 in	2UV81	—	Ametek	115757-P	2M265
	120V AC	2	105.4	90.3	318	5.6 A	6 3/8 in	152F62	—	Ametek	116493-50	4M949
	120V AC	2	104.6	93.2	353	6.3 A	6 1/8 in	152F62	—	Ametek	116448-00	4M955
	120V AC	2	106.8	91.3	322	6 A	6 3/8 in	2UV81	—	Ametek	116212-00	4M954
	120V AC	2	112	106.7	404	6.9 A	7 in	41RD41	—	Ametek	116471-13	4M953 *
	240V AC	1	102.1	50.8	227	2.6 A	5 1/8 in	152F63	—	Ametek	116271-00	4M957
240V AC	2	110.5	95.4	349	3 A	7 in	152F63	—	Ametek	116036-13	4M952 *	
240V AC	2	128.7	97.8	391	4 A	7 in	152F63	—	Ametek	116354-00	4M951	
<b>Metal Mounting Brackets</b>												
7.2 in	120V AC	2	115.7	110.0	399	8.8 A	6 3/8 in	2XB23	—	Ametek	115330	2M173 *
	120V AC	2	113.9	106.1	376	8.9 A	6 1/8 in	2XB23	—	Ametek	115962	2M187 *
	120V AC	3	105	131.4	447	10 A	7 1/8 in	2XB23	—	Ametek	116118-00	4M891 *
7.5 in	120V AC	3	126.4	88.2	359	7.3 A	9 1/8 in	2UV67	—	Ametek	114787	2M179
	240V AC	3	122	84.2	354	3.2 A	9 1/8 in	2UV76	—	Ametek	114789	4M877
<b>Acustek® (Low Noise), Thermoset Mounting Brackets</b>												
5.7 in	120V AC	2	97	84.9	255	5 A	6 1/2 in	152F62	—	Ametek	116757-13	2M266 *
	120V AC	2	97	84.9	255	5 A	6 1/2 in	152F62	—	Ametek	116024-13	4M917 *
	120V AC	2	103	91.5	293	5.6 A	6 1/2 in	152F62	—	Ametek	116025-13	4M916 *
	120V AC	2	103	91.5	293	5.6 A	6 1/2 in	2UV81	—	Ametek	116758-13	2M267 *
	120V AC	2	110	107.1	387	7 A	6 1/8 in	41RD41	—	Ametek	116763-13	2M433 *
	120V AC	3	100	119.6	382	6.8 A	7 1/8 in	41RD41	—	Ametek	116764-13	4M914 *
	240V AC	2	110.5	95.2	349	3 A	7 in	152F63	—	Ametek	116296-13	4M915 *
	<b>Tangential Bypass Discharge</b>											
<b>Thermoset Mounting Brackets</b>												
5.7 in	36V DC	3	76	74.0	185	17.9 A	5 3/8 in	2UV71	1 1/8 in	Ametek	116513-13	4M918 *
	36V DC	3	76	74.0	185	17.9 A	5 3/8 in	4HCH1	1 1/8 in	Ametek	119432-13	3GXF2
	120V AC	2	97	81.8	250	8.6 A	6 1/2 in	152F62	1 1/8 in	Ametek	116392-00	2M430 *
	120V AC	2	102.6	88.2	288	8.2 A	6 1/2 in	2UV81	1 1/8 in	Ametek	116210-85	4M928
	120V AC	2	104	91.3	300	9.1 A	6 1/2 in	2UV81	1 1/8 in	Ametek	116207-00	2M201
	120V AC	2	97.4	92.5	301	9.9 A	6 1/8 in	41RD41	1 1/8 in	Ametek	116474-37	4M983 *
	120V AC	2	112	106.7	404	11.7 A	6 1/8 in	41RD41	1 1/8 in	Ametek	116472-13	4M937 *
	120V AC	3	99	117.4	368	10.7 A	5 3/8 in	41RD41	1 1/8 in	Ametek	116565-13	4M923 *
	120V AC	3	99	117.4	368	10.7 A	5 3/8 in	41RD41	1 1/8 in	Ametek	116565-29	4M924 *
	240V AC	2	106.6	87.5	315	4.7 A	6 1/8 in	152F63	1 1/8 in	Ametek	116420-13	4M934 *
	220V AC	2	113.2	100.5	358	6.6 A	7 in	152F63	1 1/8 in	Ametek	116353-13	4M936
	240V AC	3	94	115.5	348	5.4 A	5 3/8 in	152F63	1 1/8 in	Ametek	116859-00	4M944
7.2 in	120V AC	2	110	123.0	455	12.8 A	7 1/8 in	2XB24	2 in	Ametek	117467-13	4M889 *
<b>Metal Mounting Brackets</b>												
5.7 in	120V AC	1	92.6	47.8	157	5.7 A	5 in	152F62	1 1/8 in	Ametek	116520-50	4M941
	120V AC	3	95.3	137.1	465	13.1 A	5 3/8 in	2UV68	1 1/8 in	Ametek	116765-00	4M922
	120V AC	3	95.3	137.1	465	13.1 A	5 3/8 in	2UV68	1 1/8 in	Ametek	116765-13	4M921 *
	120V AC	2	105.4	110.1	392	12.7 A	6 1/8 in	2XB23	2 in	Ametek	115937	2M178 *
	120V AC	3	92.1	134.0	403	13.8 A	7 1/8 in	2XB23	2 in	Ametek	116103-00	2M188 *
	120V AC	3	92.1	134.0	403	13.7 A	7 1/8 in	2XB23	2 in	Ametek	116161-00	4M884 *
7.2 in	120V AC	3	94.3	134.0	438	12.6 A	7 1/8 in	2XB23	2 in	Ametek	116119-00	2M202
	120V AC	3	102.5	145.9	530	14.4 A	7 1/8 in	2UV78	2 in	Ametek	117500-12	3HV25
	240V AC	2	107.9	95.0	390	4.9 A	6 1/8 in	2UV77	2 in	Ametek	115950	4M888 *
	240V AC	2	97.8	109.6	338	5.9 A	6 1/8 in	2UV77	2 in	Ametek	115684	4M887
	240V AC	3	97.3	106.0	404	7 A	7 1/8 in	2UV77	2 in	Ametek	116136-00	4M883 *
	120V AC	1	166	110.0	717	15.1 A	6 in	Mfr. No. 50-5954	—	Ametek	122133-00	6VMW4
120V AC	2	142	150.0	700	13.8 A	7 in	Mfr. No. 50-5967	—	Ametek	122175-00	6VMX0	
120V AC	2	142	150.0	700	13.8 A	7 in	Mfr. No. 50-5967	—	Ametek	122176-18	6VMX1	
240V AC	2	142	150.0	700	7.2 A	7 in	Mfr. No. 50-5969	—	Ametek	122177-00	6VMX2	
<b>Aluminum Mounting Brackets</b>												
5.7 in	240V AC	3	95.1	137.2	448	7 A	5 3/8 in	2UV80	1 1/8 in	Ametek	117123-00	3EAK5
7.2 in	120V AC	2	102.7	110.0	384	13 A	6 1/8 in	2XB23	2 in	Ametek	115334	2M174
<b>Thru-Flow Discharge</b>												
<b>Thermoset Mounting Brackets</b>												
5.7 in	120V AC	1	113.5	63.0	214	7.6 A	4 1/2 in	2UV15	—	Ametek	119400-00	3EAK8
	120V AC	2	95	90.2	245	8.3 A	5 3/8 in	2UV15	—	Ametek	119402-00	3GXE2
	120V AC	1	115	60.0	215	8.2 A	4 1/8 in	34DA21	2 in	Dayton	322N77	322N77
	120V AC	1	125	70.0	280	10.1 A	5 1/4 in	34DA21	2 in	Dayton	322N78	322N78
	120V AC	1	123	60.6	227	6.9 A	4 3/8 in	Mfr. No. 33400-2	—	Ametek	116297-00	2M203
	120V AC	2	105	105.0	340	11 A	6 1/4 in	34DA21	2 in	Dayton	322N80	322N80
	<b>Metal Mounting Brackets</b>											
	5.7 in	120V AC	1	112	63.0	190	6.8 A	4 1/2 in	Mfr. No. 33400-13	—	Ametek	116309-00
120V AC		2	94	90.2	241	7.7 A	5 1/8 in	2UV81	—	Ametek	116669-50	2M421 †
120V AC		2	94	90.2	241	7.7 A	5 3/8 in	152F62	—	Ametek	116457-00	2M420 †
120V AC		2	95	91.2	245	8.3 A	5 3/8 in	152F62	—	Ametek	116311-01	2M192
120V AC		2	98.7	92.0	257	7.6 A	5 3/8 in	2UV81	—	Ametek	115750	2M262
120V AC		2	98	92.0	257	7.5 A	5 3/8 in	152F62	—	Ametek	115744	2M198 †
120V AC		2	99	92.0	260	8 A	5 3/8 in	2UV81	—	Ametek	115737	2M263
120V AC		2	104	100.0	321	9 A	5 3/8 in	2UV81	—	Ametek	116671-50	4M898
120V AC		2	120.7	96.4	373	10.3 A	5 3/8 in	2UV81	—	Ametek	116146-00	2M186
120V AC		2	115	96.4	356	9.4 A	5 3/8 in	152F62	—	Ametek	115982	4M982
120V AC		2	115	96.4	356	9.5 A	5 1/8 in	2UV81	—	Ametek	116884-49	4M905 †
120V AC		2	101.3	114.4	365	10.6 A	5 3/8 in	41RD41	—	Ametek	116432-00	2M422
120V AC		2	122	100.4	447	10.7 A	5 3/8 in	41RD41	—	Ametek	115923	4M903
240V AC		1	110.8	61.7	219	4 A	4 3/8 in	152F63	—	Ametek	116668-50	2M427 †
220V AC		2	95.4	78.0	225	3.7 A	5 3/8 in	152F63	—	Ametek	115756	2M182
240V AC		2	108.9	87.8	294	4.4 A	5 3/8 in	152F63	—	Ametek	116670-50	2M424 †
240V AC		2	106.5	87.8	281	4.4 A	5 3/8 in	152F63	—	Ametek	116312-00	2M423
240V AC		2	114.8	98.9	343	5.3 A	5 3/8 in	152F63	—	Ametek	116604-00	4M900 †
<b>Aluminum Mounting Brackets</b>												
5.7 in	120V AC	1	147.3	98.0	489	11.6 A	4 3/4 in	2UV81	—	Ametek	119347-00	3EAK7
120V AC	1	112	63.0	195	6.8 A	4 1/2 in	Mfr. No. 33384-1	—	Ametek	116455-00	413W26 †	

\* Air-sealed bearing protection. † Auto thermal protection; all others have none.

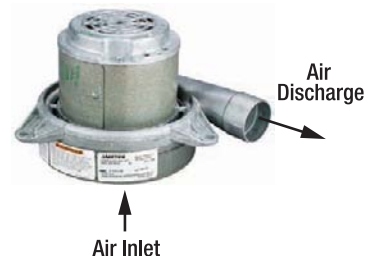
For use in moving clean and dry air. Motor should not come into contact with foam, liquids, or moisture-laden air. Use with applications that protect the motor's electrical components, fan system, and housing. Units with air-sealed bearings provide added protection against dirt and moisture. Units with thermoset mounting brackets are for light-duty applications. For use in commercial canister or utility vacuums, sprayer/foggers, material handling and transfer systems, and car wash and central vacuum systems.

Note: Additional sizes available on Grainger.com®.



### PERIPHERAL DISCHARGE

Air flows into the bottom of the motor and is discharged through vents in the motor.



### TANGENTIAL DISCHARGE

Air flows into the bottom of the motor and is discharged through an air tube on the side of the motor.



### THRU-FLOW DISCHARGE

Air flows into the bottom of the motor and is discharged through the top of the motor to provide cooling.