



Rotary Vane Compressors and Vacuum Pumps



- Oilless design
- Permanently lubricated and sealed bearings
- Self-adjusting, self-lubricating vanes

For general continuous-duty vacuum and low-pressure applications. 3KYY4, 4F740, 4F741, 4F742, 4TF21, and 4TF22 have integral mufflers and filters, as well as international multivoltage, dual-frequency motors. All units are single phase except for 2CJG8 and 4TF21; single-phase units have thermal overload protection. 4Z470 and 4Z469 include coupling and coupling guard. Mount directly to 56C frame motors.

Note: When used for pond aeration, include the appropriate check valve in discharge line to prevent water from entering pump in case of power failure.

HP	Phase	Voltage	Full Load Amps	Inlet Size	Outlet Size	Free Air CFM (psi)		Free Air CFM @ In. Hg			Mr. Model	Item No.
						0	10	0	10	20		
Compressor/Vacuum Pumps												
¼ hp	Single	115/208-230V AC	4.5	¼ in	¼ in	—	—	4.2	2.8	0.1	0523-V4-G588NDX	3KYY4
	Single	115/230V AC	4.6/2.3	¼ in	¼ in	4.80	3.9	5.0	3.0	0.5	0523-V191Q-G588NDX	4F740 *
¾ hp	Single	115/230V AC	12.2/6.1	¾ in	¾ in	8.00	6.8	8.0	5.0	0.5	0823-V131Q-G608NEX	4F741 *
	Single	115/230V AC	12.2/6.1	¾ in	¾ in	10.00	9.0	10.0	6.3	0.8	1023-V131Q-G608NEX	4F742 *
	Three	230/460V AC	2.6/1.3	¾ in	¾ in	10.00	—	10.0	5.0	0.2	1023-2510-G279	2CJG8
1 hp	Three	230/460V AC	3.0/1.5	¾ in	¾ in	13.50	10.0	13.2	8.0	0.0	1423-1030-G625	4TF21 †
	Single	115/230V AC	13.0/6.5	¾ in	¾ in	13.50	10.0	13.2	8.0	0.0	1423-1030-G626X	4TF22 *
Vacuum Pump/Air Compressor with Motor												
1	Single	115/230V AC	8.4/4.6-4.2	¾ in	¾ in	17.00	12.50	17.00	9.50	1.00	72778	72778
	Single	115/230V AC	10.0/5.0	¾ in	¾ in	17.00	12.50	17.00	9.50	1.00	72779	72779
	Three	230/460V AC	3.6-3.8/1.9	¾ in	¾ in	17.00	12.50	17.00	9.50	1.00	72781	72781
1½	Single	115/230V AC	15.2/8.2-7.6	¾ in	¾ in	21.00	17.90	21.00	13.00	1.50	72782	72782
	Three	230/460V AC	4.6/2.3	¾ in	¾ in	21.00	17.90	21.00	13.00	1.50	72783	72783
Vacuum Pump/Air Compressor without Motor												
¾ hp	—	Motorless	—	½ in	½ in	13.50	12.00	14.50	9.00	4.00	1550-600	53VC79
1 hp	—	Motorless	—	¾ in	¾ in	17.00	12.5	17.0	10.0	1.0	2067-V108	4Z469
1 ½ hp	—	Motorless	—	¾ in	¾ in	21.00	17.9	21.0	13.0	1.1	2567-V108	4Z470

If 50 Hz is used, deduct 17% from cfm Ratings. * Can operate at 100-115/200-208-230V 50 Hz. † Can operate at 220/240-380 50 Hz.



Diaphragm Compressors/ Vacuum Pumps

- Pressure or vacuum without modification
- Quiet operation

Permanently lubricated, virtually maintenance-free units offer the versatility of reversible ½" and ¼" inlet and outlet ports. Thomas products 4Z792, 4Z791, and 5Z348 come equipped with a 6-ft. grounded power cord.

HP	Voltage	Full Load Amps	Max. Vacuum	Max. PSI Cont./Int.	Inlet Size	Outlet Size	Free Air CFM @ psi		Free Air CFM @ Vacuum		L	Overall W	H	Brand	Mr. Model	Item No.
							0	30	0	20						
Compressor/Vacuum Pumps																
¼ ₂₅ hp	12V DC	0.3	14.0 in Hg	15	¼ in	¼ in	0.15	0	0.17	0	3.06 in	1.31 in	2.12 in	Gast	10D1125-101-1052	36XD65
¼ ₂₅ hp	24V DC	0.3	14.0 in Hg	15/15	¼ in	¼ in	0.15	0	0.17	0	3 in	1.25 in	2.12 in	Gast	10D1125-101-1053	33K758
¼ ₅₀ hp	24V DC	0.6	22.0 in Hg	20	¼ in	¼ in	0.25	0	0.25	0	4 in	1.87 in	1.81 in	Gast	15D1150-101-1014	36XD66
¼ ₅₀ hp	12V DC	4.0	22.5 in Hg	—	½ in	½ in	1.2	0	1.2	0.1	6.33 in	3.5 in	5.68 in	Gast	22D1180-201-1088	36XD67
¼ ₅₀ hp	115V AC	1.6	23.2 in Hg	5/5	½ in	½ in	1.65	—	1.65	0.17	8 in	4.25 in	4.75 in	Thomas	2107CA20	5Z347
¼ ₅₀ hp	115V AC	1.7	22.1 in Hg	20/30	½ in	½ in	0.69	0.14	0.69	0.05	7 in	4.25 in	4.75 in	Thomas	107CAB18	5Z346
¼ ₅₀ hp	115V AC	2	22.4 in Hg	—	¼ in	¼ in	—	—	1.3	0.13	8 ¾ in	4 ¾ in	6 1 ½ in	Thomas	900-58	4Z792
¼ ₁₀ hp	12V DC	9.5	22.9 in Hg	35/35	½ in	½ in	1.4	0.49	1.4	0.0	7.37 in	4.25 in	4.75 in	Thomas	107CDC20	4XL32
¼ ₁₀ hp	12V DC	10.8	22.2 in Hg	30/30	¼ in	¼ in	2.05	0.35	2.05	0.0	0.787 in	4.25 in	5.89 in	Thomas	907CDC18	4XL33
½ hp	24V DC	4.0	22.5 in Hg	25	½ in	½ in	1.3	0	1.3	0.1	7.75 in	3.5 in	5.68 in	Gast	22D1180-202-1005	36XD68
½ hp	115V AC	2.8	24.0 in Hg	50/50	¼ in	¼ in	1.6	0.6	1.6	0.25	9 in	4.68 in	4.75 in	Gast	MAA-P251-MB	5KA83
½ hp	115V AC	3	23.8 in Hg	30/40	¼ in	¼ in	1.24	0.44	1.24	0.16	7.87 in	4.75 in	6.87 in	Thomas	927CA18	5Z348
½ hp	115V AC	4.2	25.5 in Hg	60/60	¼ in	¼ in	1.1	0.55	1.1	0.2	7.62 in	5.12 in	7.68 in	Gast	DOA-P707-AA	2Z866
½ hp	115V AC	4.5	25.5 in Hg	60/60	¾ in	¾ in	1.9	—	—	0.3	7.62 in	5.12 in	8 in	Gast	DOA-P704-AA	3KYV6
½ hp	110/115V AC	4.8/3.3	25.5 in Hg	60/60	¼ in	¼ in	1.9	0.9	1.9	0.3	7.62 in	5.12 in	7.62 in	Gast	DOA-P707-FB	4Z024
½ hp	115V AC	4.5	25.5 in Hg	60/60	¼ in	¼ in	1.9	0.95	1.9	0.3	7.62 in	5.12 in	8 in	Gast	DOA-V751-FB	5KA84
Compressor Pumps																
¼ ₅ hp	115V AC	2.4	—	20/35	¼ in	¼ in	1.3	—	—	—	8 in	4.75 in	6.75 in	Thomas	900-59	4Z791
Dual Diaphragm Linear Compressor Pumps																
—	115V AC	0.37	8.0 in Hg	4.0/4.0	½ in	½ in	2.05	—	2.0	0.0	4.62 in	5 in	3.33 in	Thomas	150057	5GUM9