



Oilless Rocking Piston Air Compressors/Vacuum Pumps

- Continuous-duty rated
- Quiet-running—63dBA at 60 psi

Units feature rugged flexible piston cup and shaded-pole motor with automatic thermal protection and high-torque start windings. Corrosion-resistant sandwich valve stops foreign particles from lodging on valve seats. Aluminum cylinders, cylinder heads, and pistons.

Welch—Provide adjustable vacuum for light industrial and QC laboratory applications. 38XV25 can handle high-moisture vapor loads and has a 10-gal. vacuum tank system for pick and place, small scale vacuum forming, and vacuum chucking.



5Z349

For Use With	Brand	Item No.
Service Kits		
2688CE44, 2688VE44	Thomas	2KFW3
405ADC38/12	Thomas	2KFW7
617CA22	Thomas	2KFW1
617CA32	Thomas	2KFW4
688CE44	Thomas	2KFW9

HP	No. of Cylinders	Voltage	Full Load Amps	Max. PSI Cont./Int.	Max. Vacuum	Inlet Size	Outlet Size	Free Air CFM @ psi		Free Air CFM @ In. Hg		Brand	Mfr. Model	Item No.
								0	100	10	20			
Horizontal														
1/2 hp	2	115V AC	—	—	26 in Hg	3/8 in	3/8 in	7.1	—	4.6	2.3	Welch	8150B-30	38XV25
Tankless														
1/10 hp	1	12V DC	10.5	100/100	—	1/8 in	1/4 in	0.79	0.24	—	—	Thomas	405ADC38/12	5Z349
1/64 hp	1	11-15V DC	9	100	27.0 in Hg	1/4 in	1/4 in	0.7	0.1	0.3	0.15	Gast	LOA-101-JR	33K842
	1	115/230V AC	1.4/1.8	125	27 in Hg	1/4 in	1/4 in	1.1	0.3	1.0	—	Gast	86R123-101-N170X	52DD89
1/8 hp	1	115V AC	3.1	100/100	25.6 in Hg	1/4 in	1/4 in	0.78	0.07	0.47	0.16	Thomas	617CA22	5Z646
	1	115V AC	4.6	50/60	26.8 in Hg	1/4 in	1/4 in	1.22	—	0.65	0.23	Thomas	617CA32	2KFW1
	1	115/230V AC	2.8/1.4	100	27 in Hg	1/4 in	1/4 in	2.0	0.8	1.0	—	Gast	86R142-P001B-N270X	52DD90
1/4 hp	1	115/230V AC	2.6/1.4	100/100	29.5 in Hg	1/4 in	1/4 in	2.0	0.7	1.1	0.4	Gast	87R135-101-N270X	36XD63
	1	115V AC	1.7	100	27.6 in Hg	1/4 in	1/4 in	1.6	—	1.55	—	Welch	2546B-01	38XV19
	1	115V AC	3.6	100/100	27.6 in Hg	1/4 in	1/4 in	1.6	0.76	0.9	0.33	Thomas	688CE44	5Z647
	2	115V AC	3.2	—	29 in Hg	1/4 in	1/4 in	—	—	0.98	0.48	Thomas	2688VE44	5Z648
1/2 hp	2	115V AC	4.7	25/25	27.6 in Hg	1/4 in	1/4 in	3.15	—	1.6	0.64	Thomas	2688CE44	5Z350
	2	115V AC	2.2	—	29.8 in Hg	3/8 in	3/8 in	3.5	—	3.4	—	Welch	2581B-50	38XV17
	2	115V AC	2.2	—	29.8 in Hg	1/4 in	3/8 in	2.3	—	2.25	—	Welch	2561B-50	38XV21
	2	115/230V AC	2.3 @ 230/60V AC, 4.4 @ 120/60V AC	—	29 in Hg	1/4 in	1/4 in	2.7	—	1.5	0.6	Gast	87R555-V101-N470X	52KA64
1/2 hp	2	115/230V AC	6.0/3.0	30/30	27.5 in Hg	1/4 in	1/4 in	4.6	0.88	2.8	1.2	Gast	87R645-101-N470X	36XD62
	2	115/230V AC	5.7/2.8	50/125	25 in Hg	1/4 in	1/4 in	4.2	1.8	2.8	1.0	Gast	87R642-101R-N470X	36XD64



Compressor/Vacuum Maintenance Kits

For Use With	Includes	Brand	Item No.
0211-143-G8CX	Belt Spacer, Gaskets, Vanes	Gast	3HDJ5
0523-V191Q-SG588DX	1 Gasket (AK521), 2 Felt Spacers (AK524), 2 O-rings (AK473), 4 Vanes (AH850A)	Gast	3HDJ6
107CAB18, 107CDC20, 2FKW6	Diaphragm, Screws, Valve Flappers, Valve Keeper, Valve Plate Gasket	Thomas	2KFW3
1423-1030-G625, 1423-1030-G626X	Gasket, Gasket Bolt and Filter, O-ring, Vane	Gast	3HDJ8
1531-320-G557X	Filter, Gaskets, Vanes	Gast	3HDJ2
1HAB-44-M100X, 1HAB-84T-M100X, 1LAA-251-M100X, 2HAH-24-M200X, 2HAH-251-M322, 2LAF-251-M200X	Filter, Gaskets, Head Valves, Rings, Seals	Gast	3HDK2
2107CA20	Diaphragm, Screws, Valve Flappers, Valve Keeper, Valve Plate Gasket	Thomas	2KFW4
2CJH2, 2CJH3, 4Z460, 4Z707, 5Z676	Filter, Gaskets, Head Valves, Rings, Seals	Gast	3HDK6
2Z869, 2Z870, 4Z706, 5KA94, 5KA95, 5Z674, 5Z675	Filter, Gaskets, Head Valves, Rings, Seals	Gast	3HDK5
3HBB-251-M322, 3HBB-32-M300X, 3HBB-69T-M300X, 3LBA-251-M300X	Filter, Gaskets, Head Valves, Rings, Seals	Gast	3HDK3
4XL33, 5Z348	Diaphragm, Filter, Gasket O-Ring, Screws, Valve Flappers, Valve Keeper	Thomas	2KFW8
5KA74, 5KA87, 5KA90	Cup Seal, Filter, Gaskets, Head Valve, O-ring	Gast	3HDK7
5KA78	Cups, Cylinders, Leaf Valves, O-rings, Screws	Gast	3HDL3
5KA81	Vanes and Foam	Gast	3HDJ4
DOA-P551-KH, DOA-P707-FB	Filter Elements, Gasket, Leaf Valves, O-Ring, Screws	Gast	3HDL7
DOA-P707-AA, DOA-P710T-AA, DOA-V751-FB	Filter Elements, Gasket, Leaf Valves, O-Ring, Screws	Gast	3HDL8
MOA-P25-JH	Filter Elements, Gasket, Leaf Valves, O-Ring, Screws	Gast	3HDL6
ROA-P251-AA	Cup Seal, Filter, Gaskets, Head Valve, O-ring	Gast	3HDK8



3HDJ8