

P6040



The P6040 comes with the patented COAX® technology. It is available with a three-stage COAX® cartridge MIDI. Choose an Si cartridge for extra vacuum flow, a Pi cartridge for high performance at low feed pressure or an Xi cartridge when high flow and deep vacuum is needed. This pump has a substantially lower air consumption compare to competition, it is compact with no moving parts. It can be configured with 5–16 cartridges.

VACUUM FLOW

COAX® Cartridge	Feed pressure MPa	Air consumption NI/s	Vacuum flow (NI/s) at different vacuum levels (-kPa)										Max vacuum -kPa
			0	10	20	30	40	50	60	70	80	90	
MIDI Pi48-3 ×5	0.3	10	28	12.5	9	5.5	3.25	2.5	1.75	1.25	0.5	—	90
MIDI Pi48-3 ×6	0.3	12	33.6	15	10.8	6.6	3.9	3	2.1	1.5	0.6	—	90
MIDI Pi48-3 ×7	0.3	14	39.2	17.5	12.6	7.7	4.55	3.5	2.45	1.75	0.7	—	90
MIDI Pi48-3 ×8	0.3	16	44.8	20	14.4	8.8	5.2	4	2.8	2	0.8	—	90
MIDI Pi48-3 ×9	0.3	18	50.4	22.5	16.2	9.9	5.85	4.5	3.15	2.25	0.9	—	90
MIDI Pi48-3 ×10	0.3	20	56	25	18	11	6.5	5	3.5	2.5	1	—	90
MIDI Pi48-3 ×11	0.3	22	61.6	27.5	19.8	12.1	7.15	5.5	3.85	2.75	1.1	—	90
MIDI Pi48-3 ×12	0.3	24	67.2	30	21.6	13.2	7.8	6	4.2	3	1.2	—	90
MIDI Pi48-3 ×13	0.3	26	72.8	32.5	23.4	14.3	8.45	6.5	4.55	3.25	1.3	—	90
MIDI Pi48-3 ×14	0.3	28	78.4	35	25.2	15.4	9.1	7	4.9	3.5	1.4	—	90
MIDI Pi48-3 ×15	0.3	30	84	37.5	27	16.5	9.75	7.5	5.25	3.75	1.5	—	90
MIDI Pi48-3 ×16	0.3	32	89.6	40	28.8	17.6	10.4	8	5.6	4	1.6	—	90
MIDI Si32-3 ×5	0.6	8.75	30	17.5	13	8.5	4.5	3	2.5	1.75	—	—	75/52*
MIDI Si32-3 ×6	0.6	10.5	36	21	15.6	10.2	5.4	3.6	3	2.1	—	—	75/52*

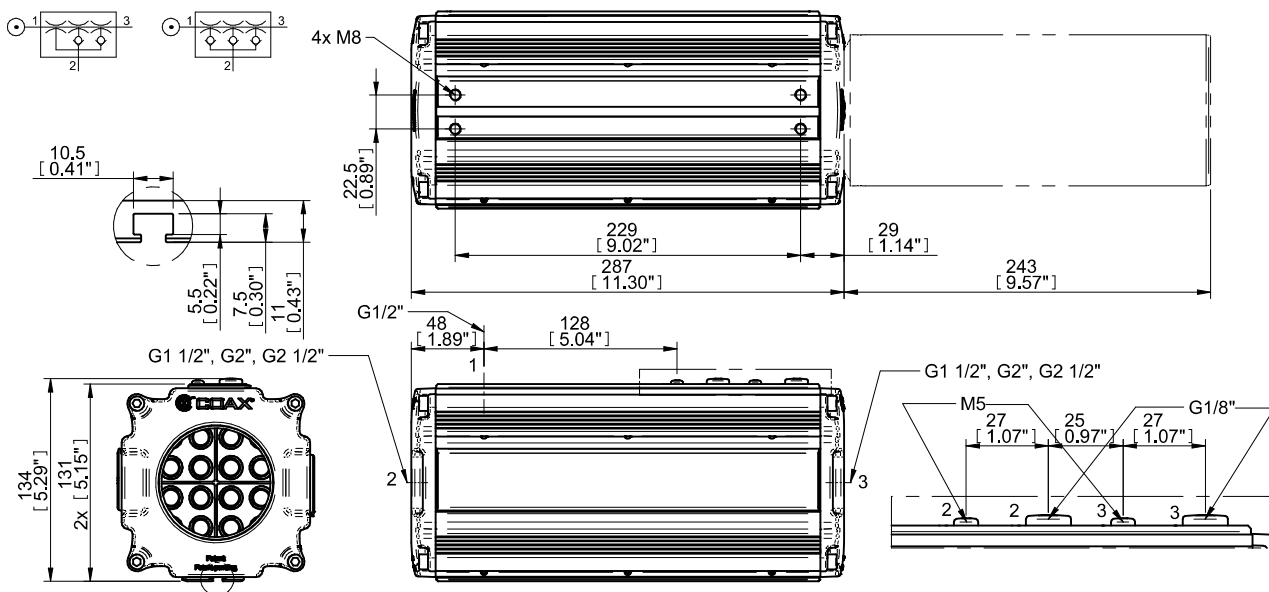
COAX® Cartridge	Feed pressure MPa	Air consumption NI/s	Vacuum flow (NI/s) at different vacuum levels (-kPa)										Max vacuum -kPa
			0	10	20	30	40	50	60	70	80	90	
MIDI Si32-3 ×7	0.6	12.25	42	24.5	18.2	11.9	6.3	4.2	3.5	2.45	—	—	75/52*
MIDI Si32-3 ×8	0.6	14	48	28	20.8	13.6	7.2	4.8	4	2.8	—	—	75/52*
MIDI Si32-3 ×9	0.6	15.75	54	31.5	23.4	15.3	8.1	5.4	4.5	3.15	—	—	75/52*
MIDI Si32-3 ×10	0.6	17.5	60	35	26	17	9	6	5	3.5	—	—	75/52*
MIDI Si32-3 ×11	0.6	19.25	66	38.5	28.6	18.7	9.9	6.6	5.5	3.85	—	—	75/52*
MIDI Si32-3 ×12	0.6	21	72	42	31.2	20.4	10.8	7.2	6	4.2	—	—	75/52*
MIDI Si32-3 ×13	0.6	22.75	78	45.5	33.8	22.1	11.7	7.8	6.5	4.55	—	—	75/52*
MIDI Si32-3 ×14	0.6	24.5	84	49	36.4	23.8	12.6	8.4	7	4.9	—	—	75/52*
MIDI Si32-3 ×15	0.6	26.25	90	52.5	39	25.5	13.5	9	7.5	5.25	—	—	75/52*
MIDI Si32-3 ×16	0.6	28	96	56	41.6	27.2	14.4	9.6	8	5.6	—	—	75/52*
MIDI Xi40-3 ×5	0.45	9.15	29.5	15	10	6.5	3.65	2.9	2.15	1.6	0.9	0.15	95/51*
MIDI Xi40-3 ×6	0.45	10.98	35.4	18	12	7.8	4.38	3.48	2.58	1.92	1.08	0.18	95/51*
MIDI Xi40-3 ×7	0.45	12.81	41.3	21	14	9.1	5.11	4.06	3.01	2.24	1.26	0.21	95/51*
MIDI Xi40-3 ×8	0.45	14.64	47.2	24	16	10.4	5.84	4.64	3.44	2.56	1.44	0.24	95/51*
MIDI Xi40-3 ×9	0.45	16.47	53.1	27	18	11.7	6.57	5.22	3.87	2.88	1.62	0.27	95/51*
MIDI Xi40-3 ×10	0.45	18.3	59	30	20	13	7.3	5.8	4.3	3.2	1.8	0.3	95/51*
MIDI Xi40-3 ×11	0.45	20.13	64.9	33	22	14.3	8.03	6.38	4.73	3.52	1.98	0.33	95/51*
MIDI Xi40-3 ×12	0.45	21.96	70.8	36	24	15.6	8.76	6.96	5.16	3.84	2.16	0.36	95/51*
MIDI Xi40-3 ×13	0.45	23.79	76.7	39	26	16.9	9.49	7.54	5.59	4.16	2.34	0.39	95/51*
MIDI Xi40-3 ×14	0.45	25.62	82.6	42	28	18.2	10.22	8.12	6.02	4.48	2.52	0.42	95/51*
MIDI Xi40-3 ×15	0.45	27.45	88.5	45	30	19.5	10.95	8.7	6.45	4.8	2.7	0.45	95/51*
MIDI Xi40-3 ×16 * With 1x flap valve.	0.45	29.28	94.4	48	32	20.8	11.68	9.28	6.88	5.12	2.88	0.48	95/51*

EVACUATION TIMES

COAX® Cartridge	Feed pressure	Air consumption	Evacuation time (s/l) to reach different vacuum levels (-kPa)										Max vacuum
	MPa	NI/s	10	20	30	40	50	60	70	80	90	-kPa	
MIDI Pi48-3 ×5	0.3	10	0.004	0.012	0.024	0.05	0.09	0.14	0.2	0.32	0.8	90	
MIDI Pi48-3 ×6	0.3	12	0.0033	0.01	0.02	0.042	0.075	0.12	0.17	0.27	0.67	90	
MIDI Pi48-3 ×7	0.3	14	0.0029	0.0086	0.017	0.036	0.064	0.1	0.14	0.23	0.57	90	
MIDI Pi48-3 ×8	0.3	16	0.0025	0.0075	0.015	0.031	0.056	0.088	0.13	0.2	0.5	90	
MIDI Pi48-3 ×9	0.3	18	0.0022	0.0067	0.013	0.028	0.05	0.078	0.11	0.18	0.44	90	
MIDI Pi48-3 ×10	0.3	20	0.002	0.006	0.012	0.025	0.045	0.07	0.1	0.16	0.4	90	
MIDI Pi48-3 ×11	0.3	22	0.0018	0.0055	0.011	0.023	0.041	0.064	0.091	0.15	0.36	90	
MIDI Pi48-3 ×12	0.3	24	0.0017	0.005	0.01	0.021	0.038	0.058	0.083	0.13	0.33	90	
MIDI Pi48-3 ×13	0.3	26	0.0015	0.0046	0.0092	0.019	0.035	0.054	0.077	0.12	0.31	90	
MIDI Pi48-3 ×14	0.3	28	0.0014	0.0043	0.0086	0.018	0.032	0.05	0.071	0.11	0.29	90	
MIDI Pi48-3 ×15	0.3	30	0.0013	0.004	0.008	0.017	0.03	0.047	0.067	0.11	0.27	90	
MIDI Pi48-3 ×16	0.3	32	0.0013	0.0038	0.0075	0.016	0.029	0.044	0.063	0.1	0.25	90	
MIDI Si32-3 ×5	0.6	8.75	0.004	0.01	0.02	0.036	0.066	0.11	0.16	—	—	75/52*	
MIDI Si32-3 ×6	0.6	10.5	0.0033	0.0083	0.017	0.03	0.055	0.088	0.13	—	—	75/52*	
MIDI Si32-3 ×7	0.6	12.25	0.0029	0.0071	0.014	0.026	0.047	0.076	0.11	—	—	75/52*	
MIDI Si32-3 ×8	0.6	14	0.0025	0.0063	0.013	0.023	0.041	0.066	0.1	—	—	75/52*	
MIDI Si32-3 ×9	0.6	15.75	0.0022	0.0056	0.011	0.02	0.037	0.059	0.089	—	—	75/52*	
MIDI Si32-3 ×10	0.6	17.5	0.002	0.005	0.01	0.018	0.033	0.053	0.08	—	—	75/52*	
MIDI Si32-3 ×11	0.6	19.25	0.0018	0.0045	0.0091	0.016	0.03	0.048	0.073	—	—	75/52*	
MIDI Si32-3 ×12	0.6	21	0.0017	0.0042	0.0083	0.015	0.028	0.044	0.067	—	—	75/52*	
MIDI Si32-3 ×13	0.6	22.75	0.0015	0.0038	0.0077	0.014	0.025	0.041	0.062	—	—	75/52*	
MIDI Si32-3 ×14	0.6	24.5	0.0014	0.0036	0.0071	0.013	0.024	0.038	0.057	—	—	75/52*	
MIDI Si32-3 ×15	0.6	26.25	0.0013	0.0033	0.0067	0.012	0.022	0.035	0.053	—	—	75/52*	
MIDI Si32-3 ×16	0.6	28	0.0013	0.0031	0.0063	0.011	0.021	0.033	0.05	—	—	75/52*	
MIDI Xi40-3 ×5	0.45	9.15	0.0044	0.012	0.024	0.044	0.074	0.11	0.17	0.24	0.44	95/51*	
MIDI Xi40-3 ×6	0.45	10.98	0.0037	0.01	0.02	0.037	0.062	0.095	0.14	0.2	0.37	95/51*	

COAX® Cartridge	Feed pressure MPa	Air consumption NI/s	Evacuation time (s/l) to reach different vacuum levels (-kPa)									Max vacuum -kPa
			10	20	30	40	50	60	70	80	90	
MIDI Xi40-3 ×7	0.45	12.81	0.0031	0.0089	0.017	0.031	0.053	0.081	0.12	0.17	0.31	95/51*
MIDI Xi40-3 ×8	0.45	14.64	0.0028	0.0078	0.015	0.028	0.046	0.071	0.11	0.15	0.28	95/51*
MIDI Xi40-3 ×9	0.45	16.47	0.0024	0.0069	0.013	0.024	0.041	0.063	0.093	0.13	0.24	95/51*
MIDI Xi40-3 ×10	0.45	18.3	0.0022	0.0062	0.012	0.022	0.037	0.057	0.084	0.12	0.22	95/51*
MIDI Xi40-3 ×11	0.45	20.13	0.002	0.0056	0.011	0.02	0.034	0.052	0.076	0.11	0.2	95/51*
MIDI Xi40-3 ×12	0.45	21.96	0.0018	0.0052	0.01	0.018	0.031	0.048	0.07	0.1	0.18	95/51*
MIDI Xi40-3 ×13	0.45	23.79	0.0017	0.0048	0.0092	0.017	0.029	0.044	0.065	0.092	0.17	95/51*
MIDI Xi40-3 ×14	0.45	25.62	0.0016	0.0044	0.0086	0.016	0.027	0.041	0.06	0.086	0.16	95/51*
MIDI Xi40-3 ×15	0.45	27.45	0.0015	0.0041	0.008	0.015	0.025	0.038	0.056	0.08	0.15	95/51*
MIDI Xi40-3 ×16 * With 1x flap valve.	0.45	29.28	0.0014	0.0039	0.0075	0.014	0.023	0.036	0.053	0.075	0.14	95/51*

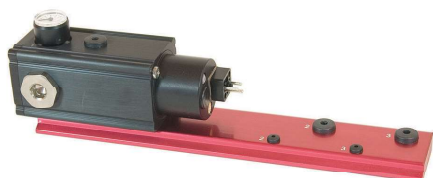
DIMENSIONAL DRAWING



ORDERING INFORMATION

For a complete list of available pumps and combinations with further information visit piab.com. On our webpage you will also be able to find dimensional drawings, CAD-drawings and much more. Register and get full access to all resources available.

ACCESSORY DESCRIPTIONS



P6040 V30

Piab P6040 multi stage ejector with Si, Pi or Xi COAX® technology. Modular design for flexible performance. Compact and durable with no moving parts. Electric 3/2 valve for on/off. Manometer for feed pressure control



P6040 ES Vacuum

Piab P6040 multi stage ejector with Si, Pi or Xi COAX® technology. Modular design for flexible performance. Compact and durable with no moving parts. Electrically operated air-saving device. Adjustable vacuum controlled 2/2 NO valve. Manometer for feed pressure control. Recommended for non-leaking system.

P6040 – CUSTOMER CODE

