

Voice Coil Linear motor_ AIVCL Series

Force

- Peak: 6-1000N
- Continuous: 2-700N

Maximum Acceleration

- >20G

External Feedback

- Optical and Magnetic Encoder is optional
- Maximum 0.05 micron resolution and 0.1 micron repeatability

Range of motion

- 1mm-50mm

Electrical Specification:



Model	Peak Force N	Continuous force N	Stroke mm	Force constant N/A	Peak current A	Moving Mass g	Outside Diameter mm
AIVCL02-04	6.2	2.1	4	1.12	5.5	7.9	20
AIVCL03-05	6.2	3.3	5	3.57	1.1	8.2	25
AIVCL05-07	13	4.7	7.8	572	2.3	16.2	26.2
AIVCL07-06	15	7.2	6.3	9.75	1.5	14.8	33
AIVCL07-10	22	6.7	10	5.8	3.8	14.3	35.1
AIVCL11-45	22	11.4	45.2	4	5.5	52	48
AIVCL09-05	32	8.9	5	7.1	4.5	48	40
AIVCL13-22	33	13.5	22.4	6.8	4.9	69	58
AIVCL08-09	33	8.3	9.8	5.87	5.6	23.5	36
AIVCL15-10	35	15.6	10.5	5	7	91	50
AIVCL16-04	44	16.3	4	8.9	4.9	46.5	53
AIVCL18-06	44	17.8	6	8	5.5	43	46
AIVCL14-07	44	13.8	7.6	7.6	5.8	38.6	31.1
AIVCL12-25	44	12	25.2	8.88	5	65.9	38.1
AIVCL26-15	70	26.1	15.2	17.7	4	79	43
AIVCL17-56	87	17.5	56.3	8.1	10.7	177	72
AIVCL20-06	89	20.1	6.3	12.7	7	45.2	43.1
AIVCL35-16	107	35.4	16.5	17.5	6.5	125	73
AIVCL35-08	113	35	8.9	17.5	6.5	285	71
AIVCL112-25	266	112	25.2	26.2	10.1	785	66
AIVCL57-49	294	56.8	49.8	24.5	12	685	93
AIVCL150-18	445	149	18.7	41.7	10.7	648	80.4
AIVCL187-25	445	187	25.2	37.2	11.9	775	78.4
AIVCL147-38	445	147	38	29.8	14.9	1050	76
AIVCL718-25	1000	718	25.2	123.5	8.1	1426	126
AIVCL382-31	1370	382	31	68.9	19.9	1071	110