

## Hydraulic Design Series Vibrators Performance Data

Vibrator Model	Unbalance	Start-Up	Speed	Flow	Force	Speed	Flow	Force	Speed	Flow	Force
	lb-in	psi	rpm	gpm	lbs	rpm	gpm	lbs	rpm	gpm	lbs
	kg-mm	bar		lpm	kN		lpm	kN		lpm	kN
<b>C2-0.5-2HC</b>	0.6	50	3,000	1.5	141	4,000	2.0	250	5,000	2.5	391
	6	3.4		6	0.6		8	1.1		9	1.7
<b>C2-1.0-2HC</b>	1.0	60	3,000	1.5	261	4,000	2.0	463	5,000	2.5	724
	12	4.1		6	1.2		8	2.1		9	3.2
<b>C2-1.4-2HC</b>	1.4	80	3,000	1.5	360	4,000	2.0	641	5,000	2.5	1,001
	16	5.5		6	1.2		8	2.8		9	4.5
<b>C3-1.5-2HC</b>	1.5	80	3,000	1.7	380	4,000	2.2	680	5,000	2.8	1,070
	17	5.5		6	1.7		8	3.0		11	4.8
<b>C3-2.0-2HC</b>	2.0	105	3,000	1.7	510	4,000	2.2	910	5,000	2.8	1,420
	23	7.2		6	2.3		8	4.0		11	6.3
<b>C3-2.5-2HC</b>	2.5	130	3,000	1.7	640	4,000	2.2	1,140	5,000	2.8	1,780
	29	9.0		6	2.8		8	5.1		11	7.9
<b>C3-3.0-2HC</b>	3.0	155	3,000	1.7	770	4,000	2.2	1,360	5,000	2.8	2,130
	35	10.7		6	3.4		8	6.0		11	9.5
<b>C3-4.0-2HC</b>	4.0	200	3,000	1.7	1,020	4,000	2.2	1,820	5,000	2.8	2,840
	46	13.8		6	4.5		8	8.1		11	12.6
<b>C3-5.0-2HC</b>	5.0	250	3,000	1.7	1,280	4,000	2.2	2,270	5,000	2.8	3,550
	58	17.2		6	5.7		8	10.1		11	15.8
<b>C3-6.0-2HC</b>	5.9	300	3,000	1.7	1,505	4,000	2.2	2,676	5,000	2.8	4,182
	68	20.7		6	6.7		8	11.9		11	18.6
<b>C3-1.5-5HC</b>	1.5	55	3,000	5.0	380	4,000	6.7	680	5,000	8.4	1,070
	17	3.8		19	1.7		25	3.0		32	4.8
<b>C3-2.0-5HC</b>	2.0	60	3,000	5.0	510	4,000	6.8	910	5,000	8.4	1,420
	23	4.1		19	2.3		26	4.0		32	6.3
<b>C3-2.5-5HC</b>	2.5	66	3,000	5.0	640	4,000	6.7	1,140	5,000	8.4	1,780
	29	4.6		19	2.8		25	5.1		32	7.9
<b>C3-3.0-5HC</b>	3.0	72	3,000	5.0	770	4,000	6.7	1,360	5,000	8.4	2,130
	35	5.0		19	3.4		25	6.0		32	9.5
<b>C3-4.0-5HC</b>	4.0	84	3,000	5.0	1,020	4,000	6.7	1,820	5,000	8.4	2,840
	46	5.8		19	4.5		25	8.1		32	12.6
<b>C3-5.0-5HC</b>	5.0	97	3,000	5.0	1,280	4,000	6.7	2,270	5,000	8.4	3,550
	58	6.7		19	5.7		25	10.1		32	15.8
<b>C3-6.0-5HC</b>	5.9	110	3,000	5.0	1,530	4,000	6.7	2,730	5,000	8.4	4,182
	68	7.6		19	6.8		25	12.1		32	18.6
<b>D4.5-6-5HC CC4.5-6-5HC</b>	6.0	110	3,000	5.0	1,530	4,000	6.7	2,730	5,000	8.4	4,260
	69	7.6		19	6.8		25	12.1		32	18.9
<b>D4.5-8-5HC CC4.5-8-5HC</b>	8.0	140	3,000	5.0	2,040	4,000	6.7	3,640	5,000	8.4	5,680
	92	9.7		19	9.1		25	16.2		32	25.3
<b>D4.5-10-5HC CC4.5-10-5HC</b>	10.0	180	3,000	5.0	2,560	4,000	6.7	4,540	5,000	8.4	7,100
	115	12.4		19	11.4		25	20.2		32	31.6
<b>D7-12-8HC CC7-12-8HC</b>	12.0	120	3,000	9.1	3,070	4,000	12.1	5,450	5,000	15.1	8,520
	138	8.3		34	13.7		46	24.2		57	37.9
<b>D7-18-8HC CC7-18-8HC</b>	18.0	180	3,000	9.1	4,600	4,000	12.1	8,180	5,000	15.1	12,780
	207	12.4		34	20.5		46	36.4		57	56.8
<b>D7-25-8HC CC7-25-8HC</b>	25.0	250	3,000	9.1	6,390	4,000	12.1	11,360	5,000	15.1	17,750
	288	17.2		34	28.4		46	50.5		57	79.0
<b>D7-50-8HC CC7-50-8HC</b>	50.0	490	3,000	9.1	12,780	4,000	12.1	22,720	5,000	15.1	35,500
	576	33.8		34	56.8		46	101.1		57	157.9

C3, CC4.5 and D4.5 Adjustable Weight Models provide settings for all listed unbalance ratings.