

Pump		Displacement		Speed			Pressure				Theoretical flow (at rated speed)		Mounting
				Continuous	Max.	Min.	Cont.		Max.		US gal/min	l/min	
Frame	Model	cm ³	in ³	min-1 (rpm)	min-1 (rpm)	min-1 (rpm)	bar	psi	bar	psi			US gal/min
Frame L	L25C	25	1.53	3200	3600	500	260	3770	350	5075	21.0	80.0	SAE B - 2 bolt
	L30D	30	1.83	3200	3600	500	210	3045	300	4350	25.4	96.0	SAE B - 2 bolt
Frame K	K38C	38	2.32	2650	2800	500	260	3770	350	5075	26.6	100.7	SAE B - 2 bolt
	K45D	45	2.75	2650	2800	500	210	3045	300	4350	31.5	119.3	SAE B - 2 bolt
Frame K2 on page 48	K2-25C	25	1.53	3450	3750	500	260	3771	350	5076	22.0	84.2	SAE B - 2 bolt
	K2-30C	30	1.83	3200	3450	500					25.4	96.0	SAE B - 2 bolt
	K2-38C	38	2.32	2900	3050	500					28.1	106.4	SAE B - 2 bolt
	K2-45C	45	2.75	2900	3050	500					33.28	126.0	SAE B - 2 bolt
Frame J	J45B	45	2.75	2900	3360	500	310	4495	400	5800	33.3	126.0	SAE B 2-bolt SAE C 2 and 4-bolt
	J51B	51	3.11	2700	3240	500	310	4495	400	5800	36.4	137.7	SAE B 2-bolt SAE C 2 and 4-bolt
	J60B	60	3.66	2600	3120	500	310	4495	400	5800	41.2	156.0	SAE B 2-bolt SAE C 2 and 4-bolt
	J65C	65	3.97	2500	3000	500	260	3770	350	5075	42.9	162.6	SAE B 2-bolt SAE C 2 and 4-bolt
	J75C	75	4.58	2400	2880	500	260	3770	350	5075	47.5	180.0	SAE B 2-bolt SAE C 2 and 4-bolt
Frame F	F74B	74	4.52	2400	2800	500	310	4495	400	5800	46.9	177.6	SAE B 2-bolt SAE C 4-bolt
	F90C	90	5.49	2200	2600	500	260	3770	350	5075	52.3	198	SAE B 2-bolt SAE C 4-bol
Frame E	E100B	100	6.10	2450	2880	500	310	4495	400	5800	64.7	245.0	SAE C 4-bolt
	E130B	130	7.93	2200	2600	500	310	4495	400	5800	75.5	286.0	SAE C 4-bolt
	E147C	147	8.97	2100	2475	500	260	3770	350	5075	81.5	308.7	SAE C 4-bolt

Technical Information
D1 High Power Open Circuit Pumps Size 130/145/193/260

Features	Unit	Size			
		Without Charge Pump	With Charge Pump	With Charge Pump	With Charge Pump
		130/145	130/145	193	260
Displacement	Maximum	130/145	130/145	193	260
	Minimum	0	0	0	0
Working input speed	Maximum at Vg max	2200 ¹⁾	2500 ²⁾	2500 ²⁾	2300 ²⁾
	Maximum at Vg ≤ Vg max ³⁾	2500	2500	2500	2300
Flow at n max and Vg max	l/min	273/319	325/363	483	598
Working pressure	Maximum	350	350	350	350
	Peak	400	400	400	400
Inlet pressure (Absolute)	Minimum	0.8	0.6	0.6	0.6
	Maximum	30 ⁴⁾	2	2	2
Case pressure (Absolute)	Maximum above inlet	1.2	1.2	1.2	1.2
	Maximum	2	2	2	2
Filling capacity	L	2.9	2.9	3.8	4.6
Torque at Vg max and Δp = 350 bar	N·m	724/808	724/808	1075	1448
Power at Q max and Δp = 350 bar	kw	159/186	190/211	281	349
Mass moment of inertia of internal rotating components	kg·m ²	0.0299	0.0306	0.0576	0.2080
Mass (approx.)	kg	68	74	106	141
External shaft loads	Me	476	476	822	1081
	Thrust in (Tin), out (Tout)	N	-2340/5073	-2340/5073	-3990/5570
Mounting flange load moments	Vibratory (continuous)	4553	4553	6286	8477
	Shock (maximum)	8692	8692	13782	16338