

D10 / G10 Pump Performance data

Reference: Q:\ENG\Engineering Data\Official Engineering Test Data\Catalog Testing\Catalog
 Data below is derived from the "Linear Fit" calculations under each Cam data table

D10 X-Cam Performance					D10 E-Cam Performance			
RPM	100	500	1000	1500	RPM	100	500	1000
100	0.584568	0.571654	0.558302	0.542261	100	0.534598	0.519561	0.504818
250	1.461419	1.429136	1.395755	1.355654	250	1.336494	1.298904	1.262045
400	2.33827	2.286618	2.233208	2.169046	400	2.138391	2.078246	2.019272
550	3.215122	3.1441	3.070661	2.982438	550	2.940288	2.857588	2.7765
700	4.091973	4.001581	3.908114	3.79583	700	3.742184	3.63693	3.533727
738	4.314109	4.21881	4.120269	4.00189	850	4.544081	4.416272	4.290954
850	4.968824	4.859063	4.745567		1000	5.345977	5.195614	5.048181
1000	5.845675	5.716545	5.58302		1150	6.147874	5.974957	5.805408
1150	6.722527	6.574026	6.420473		1300	6.949771	6.754299	6.562635
1300	7.599378	7.431508	7.257926		1450	7.751667	7.533641	7.319863
1450	8.476229	8.28899	8.095379		1600	8.553564	8.312983	8.07709
					1750	9.35546	9.092325	8.834317

Rev/Gal 171.0666 174.9308 179.1145 184.4129 Rev/Gal 187.0565 192.47 198.0912

NPSHr

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RPM	X-cam	E-cam	S-cam	I-cam
0	11.54734	11.54734	11.54734	11.54734
50	11.55517	11.55459	11.55197	11.54895
100	11.57864	11.57634	11.56584	11.55375
150	11.61777	11.61259	11.58897	11.56177
200	11.67254	11.66334	11.62134	11.57298
250	11.74297	11.72859	11.66297	11.58741
300	11.82904	11.80834	11.71384	11.60503
350	11.93077	11.90259	11.77397	11.62587
400	12.04814	12.01134	11.84334	11.6499
450	12.18117	12.13459	11.92197	11.67715
500	12.32984	12.27234	12.00984	11.70759
550	12.49417	12.42459	12.10697	11.74125
600	12.67414	12.59134	12.21334	11.7781
650	12.86977	12.77259	12.32897	11.81817
700	13.08104	12.96834	12.45384	11.86143
750	13.30797	13.17859	12.58797	11.90791
800	13.55054	13.40334	12.73134	11.95758
850	13.80877	13.64259	12.88397	12.01047
900	14.08264	13.89634	13.04584	12.06655
950	14.37217	14.16459	13.21697	12.12585

1000	14.67734	14.44734	13.39734	12.18834
1050	14.99817	14.74459	13.58697	12.25405
1100	15.33464	15.05634	13.78584	12.32295
1150	15.68677	15.38259	13.99397	12.39507
1200	16.05454	15.72334	14.21134	12.47038
1250	16.43797	16.07859	14.43797	12.54891
1300	16.83704	16.44834	14.67384	12.63063
1350	17.25177	16.83259	14.91897	12.71557
1400	17.68214	17.23134	15.17334	12.8037
1450	18.12817	17.64459	15.43697	12.89505
1500		18.07234	15.70984	12.98959
1550		18.51459	15.99197	13.08735
1600		18.97134	16.28334	13.1883
1650		19.44259	16.58397	13.29247
1700		19.92834	16.89384	13.39983
1750		20.42859	17.21297	13.51041

3 Comparisons\Perf D10 comparison.xls

D10 S-Cam Performance					D10 I-Cam Performance		
1500	RPM	100	500	1000	RPM	100	500
0.49121	100	0.376635	0.36237	0.342857	100	0.25542	0.240729
1.228025	250	0.941588	0.905925	0.857143	250	0.638549	0.601823
1.964839	400	1.50654	1.44948	1.371429	400	1.021679	0.962917
2.701654	550	2.071493	1.993035	1.885715	550	1.404809	1.32401
3.438469	700	2.636445	2.53659	2.4	700	1.787938	1.685104
4.175283	850	3.201398	3.080145	2.914286	850	2.171068	2.046198
	1000	3.76635	3.6237	3.428572	1000	2.554197	2.407292
	1150	4.331303	4.167255	3.942858	1150	2.937327	2.768386
	1300	4.896255	4.71081	4.457144	1300	3.320457	3.129479
	1450	5.461208	5.254365	4.971429	1450	3.703586	3.490573
	1600	6.02616	5.79792	5.485715	1600	4.086716	3.851667
	1750	6.591113	6.341475	6.000001	1750	4.469846	4.212761
203.579 Rev/Gal		265.509	275.961	291.6666	Rev/Gal	391.5124	415.4046

3 Comparisons_NPSHr adjustments.xls

3

1000

0.226541

0.566352

0.906163

1.245975

1.585786

1.925597

2.265409

2.60522

2.945031

3.284843

3.624654

3.964465

441.4215