



BPV 50 - EFFICIENCIES

Bulletin No.
BPV 50
04.89/010/02

RPM	PSI	% DISPLACEMENT							
		100		75		50		25	
		VOL	MECH	VOL	MECH	VOL	MECH	VOL	MECH
	725	0.975	0.84	0.97	0.765	0.945	0.725	0.90	0.54
	1450	0.965	0.925	0.952	0.885	0.92	0.837	0.831	0.69
1500	2900	0.932	0.945	0.92	0.92	0.866	0.895	0.712	0.80
	4350	0.91	0.94	0.885	0.925	0.801	0.905	0.60	0.83
	5800	0.88	0.935	0.845	0.922	0.74	0.905	0.47	0.835
	725	0.99	0.79	0.98	0.765	0.955	0.72	0.91	0.516
	1450	0.97	0.885	0.96	0.865	0.93	0.825	0.84	0.665
2000	2900	0.94	0.91	0.921	0.912	0.87	0.895	0.72	0.785
	4350	0.90	0.935	0.89	0.91	0.81	0.90	0.612	0.82
	5800	0.87	0.945	0.86	0.91	0.765	0.90	0.505	0.825
	725	0.985	0.745	0.976	0.725	0.96	0.682	0.92	0.48
	1450	0.97	0.86	0.96	0.84	0.93	0.805	0.851	0.64
2500	2900	0.93	0.916	0.92	0.89	0.87	0.86	0.731	0.76
	4350	0.89	0.945	0.89	0.90	0.81	0.885	0.62	0.80
	5800	0.851	0.956	0.852	0.90	0.76	0.89	0.50	0.805
	725	0.99	0.685	0.975	0.665	0.96	0.63	0.92	0.455
	1450	0.975	0.825	0.965	0.806	0.933	0.785	0.865	0.665
3000	2900	0.94	0.90	0.923	0.87	0.87	0.85	0.74	0.753
	4350	0.90	0.934	0.90	0.90	0.831	0.875	0.64	0.79
	5800	0.87	0.945	0.866	0.905	0.78	0.872	0.53	0.80

OIL: ESSO ESSTIC 50 TEMP: 60C (v=23 cSt)

MAX. DISPLACEMENT = 50.8 ccm/rev.

MAX. RATED SPEED = 3200 rpm

MAX. RATED PRESSURE = 420 bar

Mechanical Efficiencies include boost pump: 12 ccm/rev @ 16 bar