

Copy of M0820 pump curve 1.XLS

FMC Model #:	M 0820	actual pressure:	900 PSI	62 Bar
number of plungers:	3	actual rod load:	4,418 lbs	19652 N
stroke length (inches):	2.000	maximum pressure:	3,000 PSI	207 Barg
plunger dia (inches):	2.500	max rod load(lb):	4,450 lbs	19,794 N
Gallons/rev:	0.1275	percent difference:	1%	

	PUMP RPM	FLOW GPM	FLOW LPM	HP Required	kW Required
	0	0.00	0.00	0.0	0.0
	50	6.06	22.93	3.5	2.6
min RPM	100	12.11	45.85	7.1	5.3
	150	18.17	68.78	10.6	7.9
	200	24.23	91.70	14.1	10.5
	250	30.28	114.63	17.7	13.2
	300	36.34	137.55	21.2	15.8
	350	42.39	160.48	24.7	18.4
	400	48.45	183.40	28.3	21.1
	450	54.51	206.33	31.8	23.7
max RPM	500	60.56	229.25	35.3	26.3

Estimated Mechanical Eff. = **90%**
 Estimated Volumetric Eff. = **95%**

FMC Part Number: **TBD**
 Tag Number: **TBD**

73.00 GPM is achieved at: **603**
276.33 LPM is achieved at: **603**

HP Required: **42.6**
 kW Required: **31.8**

Pump Flow vs RPM



