

**NATIONAL OILWELL****MISSION PRODUCTS GROUP****535**

PUMP	English Units					25 RPM		40 RPM		55 RPM		70 RPM		85 RPM	
	Piston Dia. In.	Piston Area Sq. In.	BPD per RPM	GPM per RPM	Max. Press. PSI	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM
	535	2.000	3.1416	8.3623	0.2439	796	210	6.1	335	9.8	460	13.4	586	17.1	711
2.500		4.9087	13.7383	0.4007	509	344	10.0	550	16.0	756	22.0	962	28.0	1168	34.1
3.000		7.0686	20.3074	0.5923	354	508	14.8	813	23.7	1117	32.6	1422	41.5	1727	50.3
3.500		9.6211	28.0766	0.8189	260	702	20.5	1124	32.8	1545	45.0	1966	57.3	2387	69.6
<b>Brake Horsepower Required</b>						<b>3.6</b>		<b>5.8</b>		<b>7.9</b>		<b>10.1</b>		<b>12.2</b>	

PUMP	Metric Units					25 RPM		40 RPM		55 RPM		70 RPM		85 RPM	
	Plunger Dia. cm	Plunger Area cm <sup>2</sup>	M <sup>3</sup> /Hr per RPM	L/Sec. per RPM	Max. Press. kPa	M <sup>3</sup> /Hr	L/Sec.	M <sup>3</sup> /Hr	L/Sec.	M <sup>3</sup> /Hr	L/Sec.	M <sup>3</sup> /Hr	L/Sec.	M <sup>3</sup> /Hr	L/Sec.
	535	51	20.268	0.0554	0.0154	5487	1.4	0.4	2.2	0.6	3.0	0.8	3.9	1.1	4.7
64		31.669	0.0910	0.0253	3511	2.3	0.6	3.6	1.0	5.0	1.4	6.4	1.8	7.7	2.1
76		45.604	0.1345	0.0374	2439	3.4	0.9	5.4	1.5	7.4	2.1	9.4	2.6	11.4	3.2
89		62.072	0.1860	0.0517	1792	4.6	1.3	7.4	2.1	10.2	2.8	13.0	3.6	15.8	4.4
<b>Kilowatts Required</b>						<b>2.7</b>		<b>4.3</b>		<b>5.9</b>		<b>7.5</b>		<b>9.1</b>	

RPM shown is Crankshaft speed. For Pinion Shaft speed, multiply RPM by Gear Ratio.



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