



An ISO 9001:2008 Certified Company

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TSA – 75 Piston Pump Technical Data

Specifications	
Pump Model	TSA - 75
Configuration	Horizontal, Triplex, Single Acting, Reciprocating, Piston Pump
Number of Pistons	3
Stroke Length	75mm
Maximum Number of Stroke	200 SPM (Crank Shaft)
Maximum Input Speed	789 RPM (Jack Shaft)
Input Power	18 BHP
Lubricating System	Splash, Gravity Return
Suction Size	40mm (1-1/2")
Discharge Size	32mm (1-1/4")
Valve Type	Wing Guided Valve

TSA – 75 Performance Rating

Piston	Displacement/Rev	Maximum Pressure	Pump Capacity @ Crank Shaft SPM				
			100 SPM	125 SPM	150 SPM	175 SPM	200 SPM
Mm	Litter	Kg/cm ²					
75	0.994	33.97	99	124	149	174	199
70	0.865	39.00	87	108	130	151	173
65	0.746	45.23	75	93	112	131	149
60	0.636	53.06	64	80	95	111	127
55	0.534	63.17	53	67	80	93	107
50	0.442	76.43	44	55	66	77	88

- * The volumetric discharge is theoretical assuming pump running at 100% efficiency.
- * The actual volumetric efficiency at which the pump operates is normally 90%
- * The above parameters are at 1 specific gravity of fluid. The pump can handle even 1.12 specific gravity fluids but the capacities will reduce correspondingly.
- * The specifications are subject to change without notice, due to continued research & development.
- * Fluid chamber's material based on required pressure ratings or As per customer requirement.
- * We also manufactured pump as per API – 674 Standard
- * Specifications subject to change without notice