

MODEL : GPS – 165 CD / GD

DUPLEX, DOUBLE ACTING, POSITIVE DISPLACEMENT RECIPROCATING MUD

Application	Water well drilling, Diamond core drilling, Mines dewatering, Chemical, Petroleum, Construction and General water services.		
Power End Drive	GPS-165CD	Multi Strand Heavy Duty Roller Chain Drive.	
	GPS-165GD	Double Helical Gear Drive.	
Maximum Bore and Stroke (mm)	139.70 X 165.10		
Liner Size (mm)	127.00, 114.30, 101.60, 88.90, 76.20		
Stroke Length (mm)	165.10		
No. of Stroke (SPM)	100		
Suction Port Size (mm)	101.60		
Delivery Port Size (mm)	50.80		
Displacement and Pressure with Different Size of Liner.	Liner Size mm	Displacement LPM	Pressure Kg/cm2
	127.00	813	21.88
	114.30	654	27.15
	101.60	512	34.59
	88.90	386	45.63
	76.20	278	63.08
THE FOLLOWING COMPONENT SHALL BE FITTED ON MUD PUMP DELIVERY LINE			
Surge Chamber	To dampen pressure pulses		
Pressure Gauge with Diaphragm	Range 0 – 70 Kg/cm2 Pressure		
Relief Valve	Shear type, Pressure relief valve assembly		
By Pass and Service Valve	2 Nos. 50mm size control valve		
Approx. Weight	1125 Kgs. (Bare Pump)		
Mounting	Heavy duty structural steel skid frame. Optional : Trolley, Trailer or Truck Mounted.		
Prime Mover (Optional)	Diesel Engine Drive / Electrical Motor Drive		

- * The Volumetric discharge is theoretical assuming pump running at 100% efficient.
- * The actual volumetric efficiency at which the pump operates is normally 85-90%
- * Pump can handle fluid up to 1.2 specific gravity. The pump can handle even more specific gravity fluids but capacities will reduce correspondingly.
- * To achieve discharge same as above mention displacement, The pump has to operate at 18% higher speed.
- * The specifications are subject to change without notice due to continued research and development.

G&P Engineering Company



For additional detail contact us :

9-Ratna Co. op. Housing Society,
Mahadev Nagar, Bilimora – 396 321 (Gujarat), India.

Telephone : 0091 (2634) 232669

Fax No. : 0091 (2634) 232670

E-mail : gp_enggin@yahoo.co.in

Web : www.gpenggin.com