



REGOMS PRODUCT DATASHEET

ZONE 2 SPM 600 TRIPLEX PUMP

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FOR ILLUSTRATION PURPOSE ONLY

The **SPM 600 Triplex Pump** is a split skid single pump unit powered by Detroit Diesel GM 8V92TA diesel engine rated for 450BHP @ 2100 RPM through Allison Model HT 750 DRD five (5) speed automatic transmission. The unit is complete with a Zone 2 rated and certified Pyroban safety shutdown system Diesel engine controls and instrumentation are located in centrally located control console fitted to the base of the skid to allow simultaneous control and monitor of all aspects of the pumping job.

The equipment is mounted on a custom-built splittable heavy-duty skid constructed with I-beam structural steel runners with protective heavy duty offshore frame and four (4) top lifting points. The unit can be split with minimal problems into a pump skid and engine skid for limited capacity lifting. The weight per module is 4.5 tones for the Pump skid and 7.5 tones for the Engine skid and is confirmed following load testing. Sling supplied is 15 tones SWL.

DIESEL ENGINE	
Make	Detroit Diesel GM 8V92TA
Nominal HP	450 BHP @ 2100 RPM
Radiator	Rated for 40 deg C (+ 100 deg. F)
Starter	Pneumatic starter completes with lubricator and manual starting valve Exhaust: Spark arresting muffler – Pyroban certified
Exhaust	Spark arresting muffler – Pyroban certified
Engine Fan	36 inches, 8 blade, blower type,
Air Compressor	No Air compressor is fitted. Rig Air to be utilized.
Air Cleaner	Dry Type
Fuel Tank	100 gallons
TRANSMISSION	
Make	Detroit Diesel Allison HT 750 DRD Automatic five (5) speed transmission
Gear Ratio	First 7.97 : 1 Second 3.19 : 1 Third 2.07 : 1 Fourth 1.40 : 1 Fifth 1.00 : 1

The HT-750 gear selection ranges are N (neutral), 1st (first gear only), 2nd (second gear only), 2nd-3rd (automatic shifting between second and third), 2nd-4th (automatic shifting between second, third & fourth) and 2nd – 5th (automatic shifting between second, third, fourth & fifth). No converter lock-up.

TRIPLEX PUMP	
Make	SPM 600
Type	Single Acting Plunger Type
Arrangement	Horizontal
Stroke Length	6" (152.4 mm)
Plunger Size	3-1/2" (89 mm)
Maximum Pressure	10,400 psi (73 MPa)
Maximum Volume	8 bbl/min (1.27 m cu/min)
Ram Oil	Air over oil
Manifold	3" front or rear suction, 2" rear top and front discharge and bleed options
Gauge	Martin Decker Style –panel mount, 0 - 15,000 PSI (Operators console)
Relief Valve	Anson 2-inch set at 5,500 psi and adjustable
Size	L560 x W240 x H285 cm
Weight	12,000 Kg

The pump has a reduction gear drive ratio of 4.6:1 totally enclosed in all-steel power case and is equipped with roller bearings throughout. The pump is also equipped with acid resistant steel plungers and is recommended for pumping acid, water, drilling fluids and other fluids as well as cement slurries.

The triplex pump is equipped with a six inch (6"), 15,000 psi discharge pressure gauge mounted on the unit operators console and connected by a 1502-gauge protector and hose.

CONTROLS & INSTRUMENTATION

Controls and instrumentation are located in a centrally located control console for ease access and visibility.

CONTROLS	OPERATIONS
Engine throttle	Pneumatic
Engine starter	Pneumatic
Engine shutoff	Pneumatic
Transmission shift	Manual
Ram oiler valve	Pneumatic
INSTRUMENTATION	OPERATIONS
Flowmeter/Totalizer in barrels	Electronic
Engine oil pressure gauge	Hydraulic
Engine water temperature gauge	Mechanical
Engine tachometer	Mechanical
Transmission pressure gauge	Hydraulic
Transmission temperature gauge	Mechanical
Triplex pump pressure gauge	Hydraulic
Triplex pump temperature gauge	Mechanical
Discharge pressure gauge	Hydraulic
Amot engine over speed shutdown system	Mechanical /Pneumatic
Adjustable pump overpressure shutdown	Mechanical/Pneumatic

To request for quotation and detailed pricing, please contact our sales team:

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