

Soilmec Mud Pump 7T-600

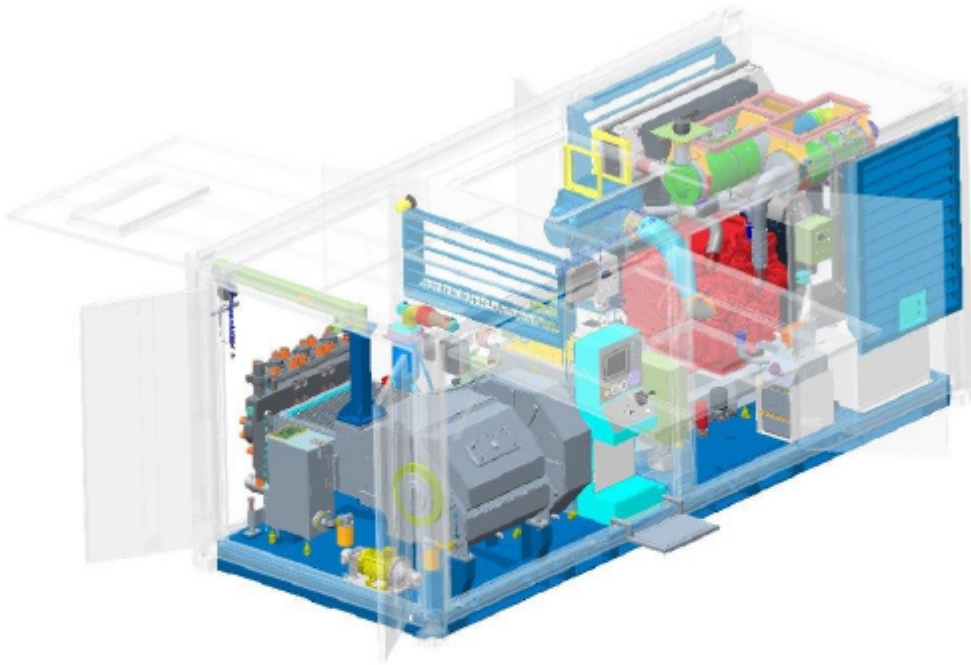
Year 2016

Working Hours – unused (stored in warehouse)



Soilmec Mud Pump 7T-600

Soilmec pumps are used for high pressure grout technologies for soil consolidation. The experience gained in the oilfield as well as in soil improvement over the last two decades, has developed into a sturdy and reliable. Soilmec pumps are mechanically driven through a system made of clutch, gearbox, cardan joint and chain.



This pump has been specially designed for jet grouting consolidation technique, with triplex single acting pump, with plungers.

Injection pressure: up to 525 bar*.

Max delivery: 560 l/min with 4 1/2" plungers –gear type SM2R

Max delivery: 696 l/min with 4 1/2" plungers – gear type SM3R

Max. pressure: 525 bar with 4" plungers and safety set limit*

Theoretical max pressure: 800 bar with 3 1/2" plungers and max discharge*

*Maximum operating pressure: 525 bar with 1 1/4 hoses, 475 bar with 1 1/2 hoses, due to hoses safety coefficient according to EN16228-6:2014. All datas refer to Manuli Diamondspir series hoses.

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Pump body 7T-600J composed as follows:	1
Steel welded, stress relieved crankcase. Three parts, treated alloyed steel fluid-end. High resistance, treated, forged steel crankshaft mounted on roller bearing. Alloy bronze faced crosshead.	
Steel rod-connecting mounted on large size high capacity roller bearing. High capacity chain transmission.	
Forced lubrication system for bearing and plunger packing.	
Valves, seats, springs, guides, etc. are designed to work under high pressure conditions in presence of abrasive suspensions. Valves covers and plungers are designed with thread for easy dismounting and replacement of parts subject to intensive wear.	
Layout "back-to-back" for more space in jobsite.	
Anticavitation kit	1
CUMMINS engine QSX15 6 in-line cylinders	1
447 KW (600 HP) @ 2100 rpm (Soilmec SM3R gear box with DMS HPP). Tier 4 final engine.	
Electric circuit for engine starter, diesel oil feeding system, accessories and safety device.	
Independent fan drive system with 37 kW three phase electric motor	
Pump fitting kit	1
Suitable for diesel engine c/w sound proof canopy, container type.	
Set of plungers	1
Diam. 4" mounted on the pump body.	
Max delivery: 549 l/min at 365 bar.	
Max working pressure: 650 bar (with 3 1/2" pistons and safety set limit).	
Stuffing box	1
For piston kit 4".	
Indication plates, mark, labels	1
DMS HPP control system	1
Gearbox control and display of engine data and alarms.	
Data recording and export with USB key.	