

## PumpMaster 80 - 50:1 pump system with pneumatic inductor for 185 kg drums

Air operated piston pump specially designed for pumping tail grease in tunnel boring machines.

### MAIN FEATURES:

#### 8" air motor diameter with 6" stroke

Maximum power for efficient material delivery.  
No stall, no ice formation, reliable air motor.

#### Long life seals

UHMWPE seals provide long life and trouble free operation

#### Cast Iron pump body

Maximum resistance against high pressure

#### Dynamic primer pump design

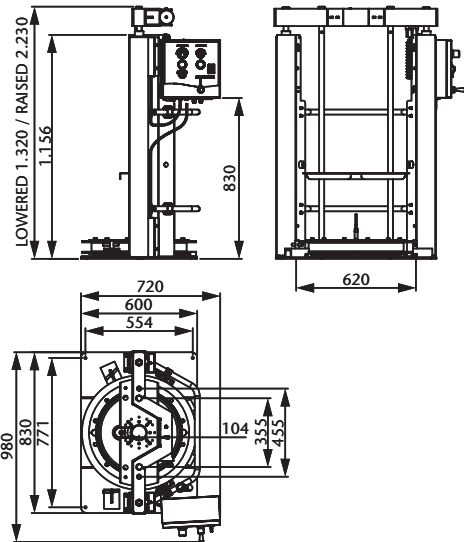
Divorced pump has a primer rod, provides positive priming of the heaviest pumpable materials.

#### Pump mounted on an air operated power ram.

Contributes to keep pump primed, minimizes waste and makes easier replacing empty drum

#### Power Ram includes:

- Double seal inductor plate
- On / Off control of the pump
- Up / Down control of the inductor plate
- Two independent air pressure regulators, one for the pump and the other for the inductor plate air cylinders.
- Pump / Inductor independent air pressure gauges
- Automatic empty drum shut off
- Automatic vacuum release when raising the inductor plate



Dimensions in mm

### TECHNICAL DATA

Pump + Power Ram assembly Part No.	<b>544 950</b>
Pump pressure ratio	50:1
Maximum free flow	6 Kg/min (13.2 lb / min)
Air pressure operating range	3 to 7 bar (40 to 100 psi)
Maximum outlet pressure	350 bar (5,000 psi)
Air motor effective diameter	200 mm (8")
Air motor stroke	150 mm (6")
Air consumption <sup>(1)</sup>	1.500 NI/min (53 scfm)
Air inlet	3/4" BSP (F)
Fluid outlet	1" BSP (F)
Wetted and seal materials	Carbon steel or zinc plating steel, Polyurethane, PTFE, Copper, Cast iron, UHMWPE

(1) Air consumption at 7 bar air pressure, with tail sealing grease at 18 °C and 25 cpm.

