

HS HYDRAULIC DREDGING SYSTEMS

DREDGING UNIT WITH DREDGING PUMP AND EXCAVATOR SPECIALLY DESIGNED TO FIT ON 20TONS EARTH MOVING HYDRAULIC EXCAVATORS
RELIABLE POWERFULL WEAR RESISTANT

SPECIFICATIONS

DREDGING PUMP

Discharge 6 or 8 inch with central agitator
Capacity up to 400 m³/hour
Pumping head 24 meter to 34 meter
Speed 950 up to 1150 rpm
Power 50 up to 80 hp
Sand production 65 to 100 m³/hour

EXCAVATOR

Three blade self cleaning cutter head diameter 800 millimeters
Six teeth esco super V17VY
Adjustable speed from 25 up to 50 rpm for cutting
From 50 to 100 rpm for mixing
Power 10 hp at 25 rpm up to 38 hp at 100 rpm

HYDRAULICS

DREDGING PUMP

Fixed displacement axial piston motor 108cc
Needed flow from 110 up to 125 L/min at 280 bar

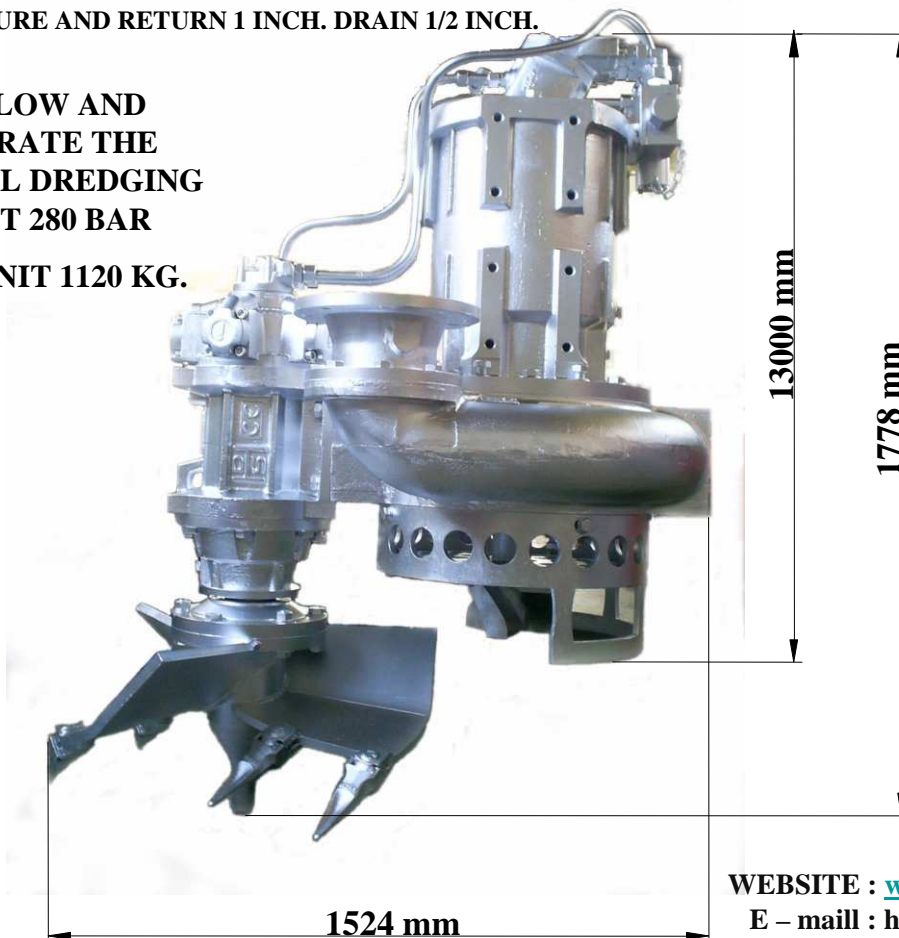
EXCAVATOR

Fixed displacement radial piston motor 820cc
Needed flow 0.82 L/min pro revolution, 280 bar, 40 L/min at 50 rpm

THE UNIT IS EQUIPPED WITH A SUBMERSIBLE PRESSURE COMPENSATED ADJUSTABLE FLOW DIVIDER. ONLY THREE HYDRAULIC UMBILICALS ARE NEEDED TO POWER THE HYDRAULIC DREDGING PUMP AND EXCAVATOR. POWER HOSES ; PRESSURE AND RETURN 1 INCH. DRAIN 1/2 INCH.

RECOMMENDED FLOW AND PRESSURE TO OPERATE THE UNIT FOR GENERAL DREDGING WORKS 160 L/min AT 280 BAR

WEIGHT OF THE UNIT 1120 KG.



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