



VT-1080

TRIPLEX PISTON PUMP DRILLING & INDUSTRIAL DUTY

PUMP GENERAL DATA:

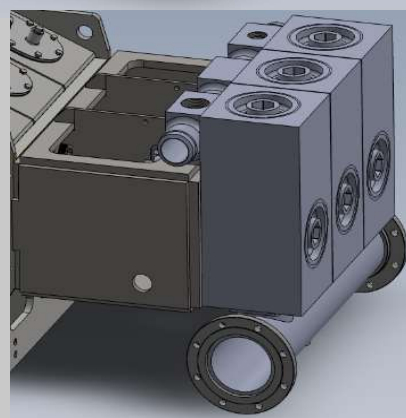
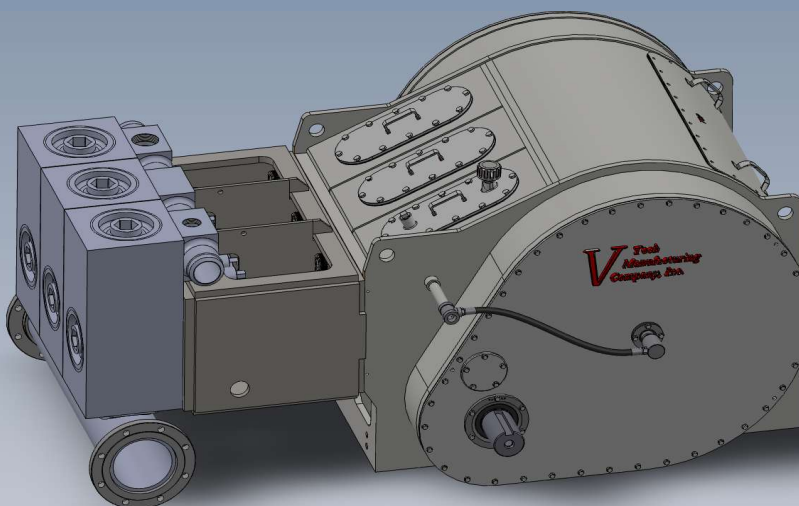
MAX. INPUT POWER: 1,000HP (736kW)
MAX. SPEED: 235 rpm
STROKE LENGTH: 8" (203mm)
PUMP WEIGHT: 15,950 LBS (7,250 kg)

PUMP POWER END FEATURES:

SUPERIOR WEIGHT-TO-PERFORMANCE RATIO
INTEGRAL 6.353:1 GEAR REDUCTION WITH DUAL HIGH PERFORMANCE HELICAL GEARS
DRY SUMP GEAR CASE DESIGN FOR OPTIMUM EFFICIENCY
FULLY PRESSURIZED POWER END LUBE SYSTEM FOR EXTERNAL LUBRICATION SYSTEM
CRANKSHAFT TYPE CONSTRUCTION WITH FOUR ANTIFRICTION ROLLER MAIN BEARINGS
REPLACABLE BRONZE CYLINDRICAL CROSSHEAD SLIDES AND THRUST PAD BEARINGS

PUMP FLUID END FEATURES:

SEGMENTED HIGH STRENGTH FORGED STEEL FLUID MODULES, PRECISION MACHINED
DEDICATED DISCHARGE MANIFOLD WITH RELIEF VALVE AND MUD GAUGE CONNECTIONS
SUCTION AND DISCHARGE MANIFOLD CONNECTIONS FLANGED OR B.W.
PISTON REMOVAL THRU CYLINDER COVER
METAL-TO-METAL LINER AND FLUID END COVER LOCK
API 7 VALVES AND SEATS
HIGH FLOW LINER WASH MANIFOLD
MADE IN HOUSTON, TEXAS, USA



VT-1080 TRIPLEX PISTON PUMP DRILLING AND INDUSTRIAL DUTY PERFORMANCE RATINGS

PISTON DIAMETER		DISPLACEMENT PER CRANK REVOLUTION		MAX PRESSURE **		DISPLACEMENT @ CRANK RPM 50		DISPLACEMENT @ CRANK RPM 100		DISPLACEMENT @ CRANK RPM 150		DISPLACEMENT @ CRANK RPM 200		DISPLACEMENT @ CRANK RPM 235	
in.	mm	GAL./REV.	LTR/REV.	PSI	BAR	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM	GPM	LPM
5.5	140	2.47	9.34	2200	154	123	466	247	934	371	1401	494	1868	580	2195
6	152	2.94	11.12	2200	154	147	556	294	1112	441	1668	588	2224	691	2613
6.5	165	3.45	13.05	1400	98	173	655	345	1305	518	1958	690	2610	811	3067
7.5	191	4.59	17.37	1400	98	230	871	459	1737	689	2606	918	3474	1079	4082
INPUT SPEED (PINION)		RPM				318		635		953		1271		1493	

* RATINGS ARE BASED ON 100% VOLUMETRIC AND 90% MECHANICAL EFFICIENCY

** MAX. PRESSURE WITH 5.5" AND 6" PISTON BASED ON MEDIUM PRESSURE FLUID ENDS; WITH 6.5" AND 7.5" PISTON BASED ON LOW PRESSURE FLUID ENDS

SPECIAL OR SPECIFIC RATING OR DUTY AVAILABLE ON REQUEST

