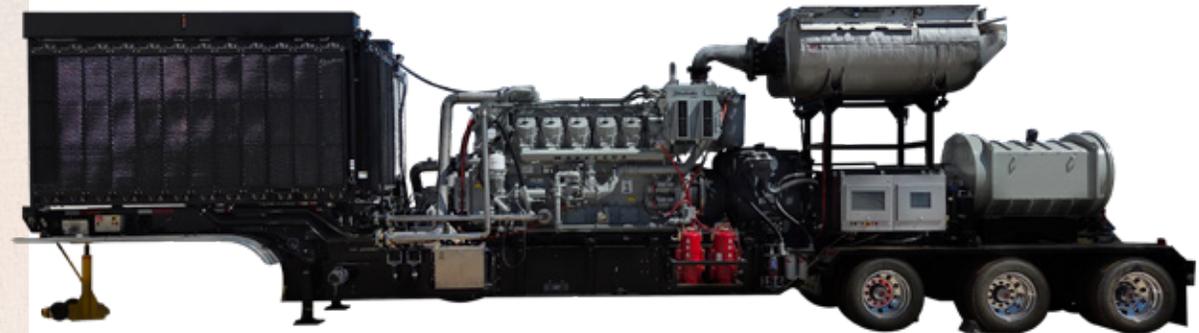


RPS 7044 FRAC

POWERING THE FUTURE OF FRAC OPERATIONS

Waukesha® VHP® Series Four® rich-burn engines are the engines of choice for the harshest and most demanding gas compression, power generation and mechanical drive applications. The Series Four engines can reliably produce more power on hot field gases, at high altitudes, and in remote locations, all while delivering low emissions when paired with a 3-way catalyst (NSCR).



Characteristics:

TRAILER:	
Triple Axle Single Drop Beam Trailer	
Trailer Designed for Max 75K Load Per Customer Supplied Weight Distribution.	
Designed for 275/70R22.5 Tires.	
Electrical: Sealed Modular System with Sealed Beam LED Lights	
ABS (Voltage/Type):	12 VDC / 4S/2M
Brakes (Type/Size/Rating/Material):	Drum / 16.5 x 7 / 23,000 lb / cast steel
TARE WEIGHT ESTIMATE:	
COG FROM KP	257.61"
TOTAL	13539 LB [6,141 KG] +/- 3%
KING PIN	3438 LB [1559 KG] +/- 3%
SUSP	10101 LB [4582 KG] +/- 3%

Cooling Package:

Cube style Radiator GHT FET
Coolers: Engine, Transmission, Lube circuit, Hydraulic circuit
Hydraulics: Hydraulic Motor, Anti-Cavitation Valve, Flushing Valve
Miscellaneous: Surge Tank, Rad Cap And Sight Glass, Access Panel, Front Service Access Quad-Mount, and Support Structure

Trailer Dimensions:

MEASUREMENT	VALUE
Length	47'
Width	8.5'
Height	13' 6"
Capacity	75000 LB.

Engine:

Waukesha 2000HP 12-cylinder VHP Series 4 Natural Gas Engine	
Delivers low emissions when with a 3- way catalyst (NSCR)	
Enhanced misfire detection can capture a single misfire event	
Enhanced 3-D timing map allows for tighter engine control over the entire range of fuels	
Waukesha's emPact Emission Control System combines an engine, catalyst, and air/fuel ratio control, factorydesigned for optimal interaction and maximum performance	
TECHNICAL DATA:	
Dimensions : L*W*H in(mm)	147(3734) * 85(2159) *
Weights lb (kg)	24250 (11000)

Transmission:

TA-7605 UP TO 1939 KW (2600 HP)	
TWINDISC 7605 Series 9 SP, Electronically controlled via TDEC-500	
SPECIFICATIONS	AMOUNT
TA-7605	'8 forward speeds, no reverse
Maximum gross input power	1939 kW (2600 hp) at 1900 RPM
Maximum gross input torque	-7617 Nm (5618 lb-ft) in 1st -8826 Nm (6510 lb-ft) in 2nd -10396 Nm (7668 lb-ft) in 3rd -10460 Nm (7715 lb-ft) all other ranges
Maximum gross output torque	33895 Nm (25000 lb-ft)
Maximum input speed	1900 RPM
Dry Weight - estimated, without PTO	2637 kg (5814 lbs)
Available live PTO drives (Power Each)	0, 1 or 2 (149 kW (200 hp))
PTO designation, per SAE J744	-127-2, 22-4 (SAE B 2-bolt) -127-4, 22-4 (SAE B 4-bolt) -152-4, 32-4 (SAE C 4-bolt) -165-4, 44-4 (SAE D 4-bolt)
PTO sizes (@ engine speed, rpm)	-1.087 (2066 rpm) -1.579 (3000 rpm)
Oil volume	83 liters (22 USG)
Oil flow	409 LPM (108 GPM)
Mounting	SAE #0 or SAE #00 dry flywheel housing

Power End – Fluid End Pump:

SPM 2500EXL 5IN DH Pump	
Application : Hydraulic fracturing, 2500 bhp quintplex pump, up to 12,000 PSI	
SPECIFICATIONS	AMOUNT
Maximum Rod Load Capacity	238000 lbs.
Stroke Length	8"
Gear Ratio	6.353:1
Approximate Length	86.5"
Approximate Width	79.5"
Approximate Height	45"
Approximate Weight (dry)	17385 lbs.
Power End	12075 lbs.
Fluid End	5085 lbs.
Zoomie Suction Manifold	225 lbs.
Plunger Size	5"

Suction Manifold:

Manual butterfly valves
6-inch charge line
4-inch Fig. 206 connections with removable caps
Electronic Pressure Sensor port

Power End Lube System: (POWER END)

Sight Glass
Shut off Valve Equipped
Dual Filters
Cooler is installed to prevent overheating of Oil
Installed with a Relief Valve that improves the flow of oil to the Power End

Hydraulic System:

(2) 75HP Linde pumps, Durst gear box
40 Gallon Tank with sight glass
Separated filter and threaded fill neck
Removable cleanout hatch
2 Charge Filters, 1 Return Filter
The Tank Includes A 2" Fill Port, A Sight Glass, and a Suction Line Shut Off Valve

Plunger Lube System: (FLUID END)

Graco Greaser is distributed through a hose for each cylinder from the respective component's Pump.			
COMPONENT	TYPE	BRAND	QUANTITY (GAL)*
Engine	SAE 40	Pegasus 805 Ultra	190
Transmission	15W-40	Delvac 1300 Super	32.5 (Trans-22/ Rad-10.5)
Hydraulic	VG 32	DTE 10 Excel	44.1 (Tank-40/Rad-4.1)
Gearbox	220	SCH 630	3.25 Quarts
Lube	220	SCH Gear 220	184 (Tank-175 /Rad-9)
Coolant	50/50	Delvac NOAT	374 (Eng-111/Rad-263)
Greaser	#00	Extended Life	2.1

Gas train:

Remote Actuator
Two manual butterfly valves, 1 electronic shutoff valve
3-micron filter and water separator
Max Inlet Pressure: 125 PSI