

# Hydraulic Vapor Recovery Compressor 75 hp Datasheet

COMPRESSOR		
Type	Hydraulic drive low speed reciprocating compressor	
Capacity Control	Automatic by PLC, 100% turndown	
Wiring	Class 1 Division 2 Hazardous Location	
Piping	SA-106B Threaded Spools	
Compression Cylinder	<b>2 x 1020 Cylinders</b>	
Max Discharge Pressure	1100 psi std / 1500 optional	7584 kPa / 10342 optional
Max $\Delta P$	190 psi	1310 kPa
Max Design Discharge Temperature	400°F	204°C
Max Geometric Displacement	224 mcf/d	6343 m <sup>3</sup> /day
Max Continuous Liquid Flow: 2-Phase Operation	396 bbl/d	63 m <sup>3</sup> /day

HYDRAULIC POWER PACK	
Driver	75 hp 3 phase TEFC electric motor
Pump	Double vane pump
Hydraulic Oil Filter	7 Micron
Oil Capacity	90 gal / 340 L
Cooling	Electric fan, bar and plate type cooler
Oil Temperature Control	Automatic warm-up, air intake louver, cold-start protection
Wiring	General Purpose (remote from compressor) Class 1, Division 2 (if no power pack enclosure option)

CONTROLS AND INSTRUMENTATION	
System Control	PLC with data logging
Readout	Multifunction LCD Display
SkyView Remote Monitoring	Cellular callout for operating conditions, alarms, shutdowns

WEIGHTS AND DIMENSIONS		
Weight	9500 lbs	4310 kg
Dimensions (L x W x H)	236" x 68" x 66"	599 cm x 147 cm x 142 cm
Inlet Connector	3" #150 Flange	
Discharge Connector	2" #150 Flange (Optional #300 Flange)	

ALARMS AND SHUTDOWNS		
	Alarm	Shutdown
Suction Pressure Low	✓	
Discharge Pressure High	✓	
Differential Pressure High	✓	
Discharge Temperature High	✓	
Hydraulic Oil Temperature Low	✓	
Hydraulic Oil Temperature High	✓	✓
Hydraulic Oil Leak	✓	✓
Hydraulic Oil Usage	✓	✓
Hydraulic Oil Level Low	✓	✓
Hydraulic Oil Filter High $\Delta P$	✓	
Motor Overload		✓
ESD		✓

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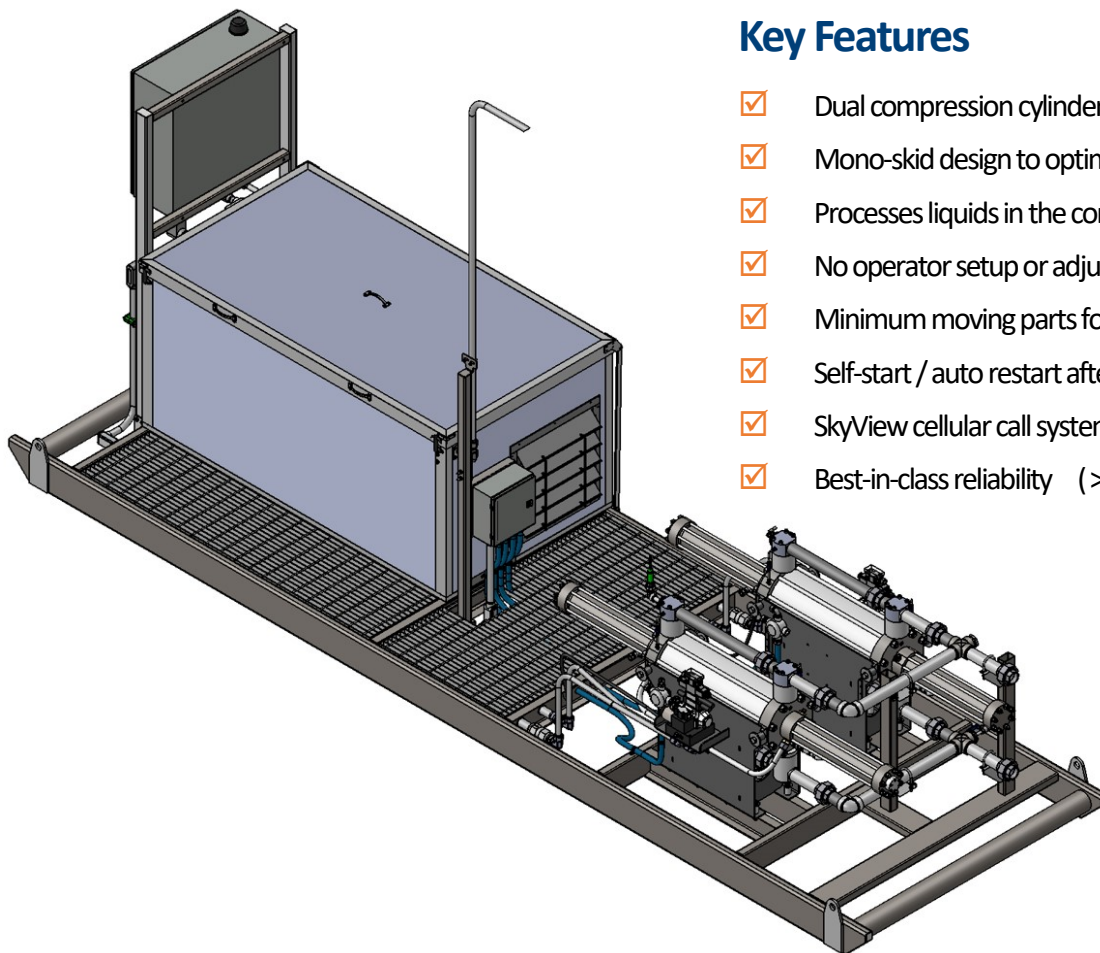
**HVR75-1020 (98.3cc Hydraulic Pump Option) Projected Performance (Max ΔP 190 psi)**

		Discharge Pressure						
		50	75	100	125	150	175	200
psi		345	517	689	862	1034	1207	1379
KPa		191	178	166	154	143	132	121
Suction Pressure	0	5.4	5.0	4.7	4.4	4.0	3.7	3.4
	5	268	254	241	229	217	205	194
	34	7.6	7.2	6.8	6.5	6.1	5.8	5.5
	10	345	330	317	304	291	279	267
	69	9.8	9.3	9.0	8.6	8.2	7.9	7.6
	15	422	407	393	380	367	354	342
	103	11.9	11.5	11.1	10.8	10.4	10.0	9.7
	20	500	484	470	456	442	429	416
138	14.2	13.7	13.3	12.9	12.5	12.1	11.8	

Projected performance based at sea level, 14.7 psi, gas density .665, temp 68°F

Flow rates in mscf/d (e<sup>3</sup>m<sup>3</sup>/day). Values in grey are at maximum ΔP.

**\*Our team will be pleased to assist you with ideal HVR sizing and configuration for your operation.**



**Key Features**

- ✓ Dual compression cylinders for maximum capacity
- ✓ Mono-skid design to optimize footprint and mobility
- ✓ Processes liquids in the compressor
- ✓ No operator setup or adjustment required
- ✓ Minimum moving parts for low maintenance
- ✓ Self-start / auto restart after power outage
- ✓ SkyView cellular call system for instant notification
- ✓ Best-in-class reliability (>99.7% uptime)



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