

## HCG15T

## CHC0615T Gas Engine Trailer Specifications

<b>Compressor</b>	Type	Hydraulic drive low speed reciprocating compressor	
	Capacity Control	Automatic by PLC, 100% turndown	
	Piping	SA-106B Threaded spools	
	Max Discharge Pressure	1100 psi std / 1500 optional	7600 / 10300 kPa
	Max Design Discharge Temperature	400°F	200°C
	Max ΔP (616 Cylinder)	350 psi	2410 kPa
	Max Geometric Displacement	30 mcf/d	857 m <sup>3</sup> /day

<b>Hydraulic Power Pack</b>	Driver	4-cylinder natural gas drive engine		
		Usable power	44 hp @ 2400 rpm	
		Ignition	Electronic	
		Starter	Electric	
		Oil Conditioning	Slipstream 10 micron filter	
		Oil Capacity	8.6 gal / 33 L	
		Silencer	Mac – whisper quiet	
		Governor	Woodward electronic	
		Hydraulic Pump	External gear pump	
		Hydraulic Oil Filter	6 Micron	
		Hydraulic Oil Capacity	34 gal / 129 L	
		Hydraulic Cooling	Offline cooling loop, bar and plate cooler, fan-cooled	
		Hydraulic Oil Temperature Control	Automatic: warm-up, cold-start protection	
		Wiring	General purpose (remote from compressor)	

<b>Controls and Instrumentation</b>	System Control	PLC with data logging	
	Readout	Multifunction LCD display	
	Engine Analog Gauges	Oil pressure, coolant temperature, fuel pressure	
	Web Enabled Remote Monitoring	Satellite callout for operating conditions, Alarms, Shutdowns	

<b>Alarms and Shutdowns</b>	Alarm		Shutdown	
		Suction Pressure Low		
		Discharge Pressure High		
		Differential Pressure High		
		Discharge Temperature High		
		Hydraulic Oil Temperature Low		
		Hydraulic Oil Temperature High		Hydraulic oil temperature high
		Hydraulic Oil Leak		Hydraulic oil leak
		Hydraulic Oil Level Low		Hydraulic oil level low
		Engine Oil Level Low		
				Engine coolant temperature high
				Engine oil pressure low
				ESD

<b>Weight and Dimensions</b>	Trailer Weight	5450 lb / 2472 kg	
	Trailer Dimensions	181" L x 86" W x 96" H / 460 cm L x 218 cm W x 244 cm H	
	Inlet Connector	1" NPT	Hose available
	Discharge Connector	1" NPT	Hose available

Key Features	Options
<ul style="list-style-type: none"> <li>Minimal operator setup or adjustment required</li> <li>Minimum moving parts, minimum maintenance</li> <li>Satellite call system allows instant notification of shutdowns</li> <li>No welding or cutting required for pump jack installation</li> <li>No process valves</li> <li>No extra equipment required for process liquid handling (scrubber, blowcase, pump, float switch)</li> </ul>	<ul style="list-style-type: none"> <li>High Discharge Pressure transmitter</li> <li>Piping for Corrosive Process Gas (CCI must approve application)</li> <li>Glycol heat trace</li> </ul>

## CHC0615T Gas Engine Trailer with HC616 Compressor

DISCHARGE PRESSURE Max ΔP: 350 psi / 2410 kPa

		100	125	150	175	200	225	250	275	300	325	350	375	400	
		700	860	1035	1205	1380	1550	1725	1900	2070	2240	2410	2590	2760	
<b>SUCTION</b>	<b>5</b>	35	31.5 0.9	31.5 0.9	31.5 0.9	31.5 0.9	31.5 0.9	28 0.8	28 0.8	28 0.8	28 0.8	24.5 0.7			
	<b>10</b>	70	42 1.2	42 1.2	42 1.2	42 1.2	38.5 1.1	38.5 1.1	38.5 1.1	38.5 1.1	35 1	35 1	35 1		
	<b>15</b>	105	52.5 1.5	52.5 1.5	52.5 1.5	49 1.4	49 1.4	49 1.4	49 1.4	45.5 1.3	45.5 1.3	45.5 1.3	45.5 1.3		
	<b>20</b>	140	63 1.8	63 1.8	59.5 1.7	63 1.8	63 1.8	59.5 1.7	56 1.6	56 1.6	56 1.6	56 1.6	52.5 1.5		
	<b>30</b>	210	80.5 2.3	80.5 2.3	80.5 2.3	80.5 2.3	77 2.2	77 2.2	77 2.2	77 2.2	73.5 2.1	73.5 2.1	73.5 2.1		
	<b>40</b>	275	101.5 2.9	101.5 2.9	98 2.8	98 2.8	98 2.8	98 2.8	94.5 2.7	94.5 2.7	94.5 2.7	94.5 2.7	91 2.6		
	<b>50</b>	345	122.5 3.5	119 3.4	119 3.4	119 3.4	115.5 3.3	115.5 3.3	115.5 3.3	115.5 3.3	112 3.2	112 3.2	112 3.2	112 3.2	108.5 3.1
	<b>75</b>	520	171.5 4.9	168 4.8	168 4.8	168 4.8	164.5 4.7	164.5 4.7	164.5 4.7	161 4.6	161 4.6	161 4.6	157.5 4.5	157.5 4.5	157.5 4.5
	<b>100</b>	700		217 6.2	217 6.2	217 6.2	213.5 6.1	213.5 6.1	213.5 6.1	210 6	210 6	210 6	206.5 5.9	206.5 5.9	206.5 5.9
	<b>125</b>	860			266 7.6	266 7.6	262.5 7.5	262.5 7.5	259 7.4	259 7.4	259 7.4	255.5 7.3	255.5 7.3	255.5 7.3	252 7.2
	<b>150</b>	1035				315 9	311.5 8.9	311.5 8.9	308 8.8	308 8.8	308 8.8	304.5 8.7	304.5 8.7	301 8.6	301 8.6
	<b>175</b>	1205					364 10.4	360.5 10.3	360.5 10.3	357 10.2	357 10.2	353.5 10.1	353.5 10.1	350 10	350 10
	<b>200</b>	1380						409.5 11.7	409.5 11.7	406 11.6	406 11.6	402.5 11.5	402.5 11.5	399 11.4	399 11.4

Projected Performance based on 2500 ft, gas density .665, temp 68°F – Flow Rates in mscfd e<sup>3</sup>m<sup>3</sup>/day