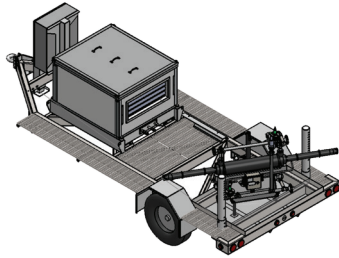


Hydraulic Casing Gas Compressor – 15 hp Electric Trailer



COMPRESSOR				
Type	Hydraulic drive low speed reciprocating compressor			
Capacity Control	Automatic by PLC, 100% turndown			
Wiring	Class 1 Div 2 Hazardous location			
Piping	SA-106B Threaded spools			
Max Discharge Pressure	1100 psi std / 1500 optional	7600 / 10,300 kPa		
Max Design Discharge Temperature	400°F		200°C	
	613 Cylinder		616 Cylinder	
Max ΔP	225 psi	1550 kPa	350 psi	2415 kPa
Max Geometric Displacement	28 mcf/d	787 m ³ /day	18 mcf/d	523 m ³ /day

HYDRAULIC POWER PACK	
Driver	15 hp 3 phase TEFC electric motor 1800 rpm
Pump	Internal gear pump
Hydraulic Oil Filter	6 Micron
Hydraulic Oil Capacity	34 gal / 129 L
Hydraulic Oil Temperature Control	Automatic: warm-up valve, air intake louver, cold-start protection
Cooling	Finned Tube, fan-cooled
Wiring	General purpose (remote from compressor)

CONTROLS AND INSTRUMENTATION	
System Control	PLC with data logging
Readout	Multifunction LCD display
Web Enabled Remote Monitoring	Satellite callout for operating conditions, Alarms, Shutdowns

WEIGHTS AND DIMENSIONS		
Trailer Weight	5300 lb / 2405 kg	
Trailer Dimensions	212" L x 88" W x 81" H / 540 cm x 225 cm x 205 cm	
Inlet Connector	1" NPT	1" x 25' SS Flex Hose Standard
Discharge Connector	1" NPT	1" x 25' SS Flex Hose Standard

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 Level Low	✓	✓
Hydraulic Oil Filter High ΔP	✓	
Motor Overload		✓
ESD		✓

OPTIONS
<input checked="" type="checkbox"/> High discharge pressure transmitter
<input checked="" type="checkbox"/> Power pack sound baffles
<input checked="" type="checkbox"/> Piping for corrosive process gas
<input checked="" type="checkbox"/> Hydraulic heat trace
<input checked="" type="checkbox"/> High volume hydraulic pump for low ΔP (613 cylinder only)

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* Projected performance based on elevation 2500 ft, gas density .665, temperature 68°F - Flow rates in mscfd e³m³/day

Hydraulic Casing Gas Compressor – 15 hp Electric Trailer

HCG15 Electric Trailer with 613 Cylinder													
DISCHARGE PRESSURE Max ΔP: 225 psi / 1550 kPa													
	PSI	75	100	125	150	175	200	225	250	275	300	325	350
	kPa	520	700	860	1035	1205	1380	1550	1725	1900	2070	2240	2415
SUCTION PRESSURE	5	37	36	35	34	33	32	32					
	35	1.1	1.1	1.0	1.0	0.9	0.9	0.9					
	10	47	46	46	45	44	43	42					
	70	1.4	1.4	1.3	1.3	1.3	1.2	1.2					
	15	58	57	56	55	54	53	52					
	105	1.7	1.7	1.7	1.6	1.6	1.5	1.5					
	20	69	68	67	66	65	64	63					
	140	2.1	2.0	2.0	1.9	1.9	1.9	1.8					
	30	90	89	88	87	86	85	84	83				
	210	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4				
	40	112	110	109	108	107	106	105	104				
	275	3.4	3.3	3.3	3.2	3.2	3.1	3.1	3.0				
	50	133	132	131	129	128	127	126	125	124			
	345	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6			
	75		186	184	183	181	180	179	177	176	175		
520		5.3	5.3	5.2	5.2	5.2	5.1	5.1	5.0	4.9			
100			238	237	235	233	232	230	229	227			
700			6.8	6.8	6.7	6.7	6.6	6.6	6.5	6.4			
125				291	289	287	285	283	282	280			
860				8.3	8.3	8.2	8.2	8.1	8.0	7.9			
150					344	341	339	337	335	333	331		
1035					9.8	9.8	9.7	9.6	9.6	9.5	9.4		
175						396	394	391	389	387	385	383	
1205						11.3	11.3	11.2	11.1	11.1	11.0	10.9	
200							449	446	443	441	439	436	
1380							12.8	12.7	12.6	12.6	12.5	12.4	

HCG15 Electric Trailer with 616 Cylinder														
DISCHARGE PRESSURE Max ΔP: 350 psi / 2415 kPa														
	PSI	200	225	250	275	300	325	350	375	400	425	450	475	500
	kPa	1380	1550	1720	1900	2070	2240	2415	2590	2760	2930	3100	3280	3450
SUCTION PRESSURE	5	20	19	19	18	17	16	16						
	30	0.6	0.5	0.5	0.5	0.5	0.5	0.5						
	10	27	26	26	25	24	23	23						
	70	0.8	0.7	0.7	0.7	0.7	0.7	0.7						
	15	34	33	32	32	31	30	29						
	100	1.0	0.9	0.9	0.9	0.9	0.9	0.8						
	20	41	40	39	39	38	37	36						
	140	1.2	1.1	1.1	1.1	1.1	1.1	1.0						
	30	55	54	54	53	52	51	50	49					
	210	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.4					
	40	70	69	68	67	66	65	64	63					
	280	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8					
	50	84	83	82	81	80	79	78	77	76				
	340	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2				
	75	114	114	113	112	111	111	110	109	109	108			
	520	3.3	3.3	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1			
	100	148	147	146	146	145	144	143	143	142	141	141		
	690	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.0	4.0		
125	182	181	180	179	179	178	177	176	175	174	174	173		
860	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.0	5.0	5.0	5.0	4.9		
150	217	215	214	213	212	211	210	210	209	208	207	206	205	
1030	6.2	6.1	6.1	6.1	6.1	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.9	
175	251	250	249	247	246	245	244	243	242	241	240	239	239	
1210	7.2	7.1	7.1	7.1	7.0	7.0	7.0	6.9	6.9	6.9	6.9	6.8	6.8	
200		284	283	282	281	279	278	277	276	275	274	273	272	
1380		8.1	8.1	8.1	8.0	8.0	7.9	7.9	7.9	7.9	7.8	7.8	7.8	

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