
		R-Series Gas Engine Drive - 22.1/22.5 HP		Eng. Data Sheet: CP-ENGR2-V1	
		Engineering Data Sheet		Date: 6/22/2022	
		Air Cooled		Supercedes: NEW	
Model Number		BGR13H	HGR13-8H	BGR13K	HGR13-8K
Description	Units	Product Data			
Compressor Pump					
Pump Model	na	R-30D			
Number of Cylinders	na	4			
Bore & Stroke	in.	4-5/8 (2) & 2-1/2 (2) x 3			
Flywheel	OD in.	18.875			
Pulley 175 PSIG	OD in.	5.55			
Lubrication	na	Splash Lubricated			
Oil Capacity	qt.	4			
Oil Type	na	CHAMPLUB, ISO 100 Non-Detergent Industrial Lubricant			
Number of Belt Grooves	na	2			
Belt Section	na	2BX			
Crankcase	na	Cast Iron			
Bearings	na	Tapered Roller			
Cylinder	na	Aluminum with Cast Iron Liner			
Piston 1st Stage	na	Aluminum Alloy			
Piston 2nd Stage	na	Cast Iron			
Valves	na	Disc Valves			
Intake Filter	na	5 Micron			
Gas Engine Drive					
Engine Power	hp (kw)	22.1 (16.5)		22.5 (16.8)	
Engine Manufacturer/Model	na	Honda GX690		Kohler CH680	
Number of Cylinders	na	2		2	
Bore & Stroke	in.	3 x 2.8		3.2 X 2.6	
Engine Fuel Tank Capacity	gal	8		8	
Fuel Consumption Per Hour @ 3600 RPM	gal./hr	1.77		1.87	
Oil Capacity	qt.	1.8		2	

		R-Series Gas Engine Drive - 22.5 HP			Eng. Data Sheet: CP-ENGR2-V1	
		Engineering Data Sheet			Date: 6/22/2022	
		Air Cooled			Supersedes: NEW	
Model Number		BGR13H	HGR13-8H	BGR13K	HGR13-8K	
Description	Units	Product Data				
Performance Data (5)						
CFM Delivery @ 175 PSIG (6)	acfm	44.0				
CFM Displacement @ 175 PSIG	icfm	55.0				
Maximum Pressure	psig	175				
Working Pressure Differential	psig	35				
Pump Operating Speed @ 175 PSIG	rpm	940				
Minimum Speed	rpm	400				
Maximum Speed	rpm	1050				
Cooling Air Flow @ 175 PSIG	cfm	1370				
Aftercooler Discharge Temp	°F	161.1				
Aftercooler Cooling Air Temp	°F	90				
Aftercooler Approach Temp (8)	°F	10				
Min/Max Operating Temp	°F	32/104				
Dimensions and Weight						
Tank Size	gal	na	80	na	80	
Tank Configuration	na	na	Horizontal	na	Horizontal	
Tank Capacity @ 175 PSIG	ft³	na	138.0	na	138.0	
Tank Pumping Time @ 175 PSIG (9)	min	na	3.1	na	3.3	
Package Length	in.	60.1	69.0	60.1	69.0	
Package Width	in.	26.3	26.1	26.3	26.1	
Package Height	in.	29.4	55.2	29.4	55.2	
Total Package Weight	lbs.	600	890	590	880	
Pump Length	in.	21.1				
Pump Width	in.	25.4				
Pump Height	in.	23.6				
Pump Weight	lbs.	220				
Parts Manual ID	na	CQF3504				
Operating Manual ID	na	CQF3500				

5) All units tested in accordance with CAGI/PNEUROP Acceptance Test Code PN2CPTC2.

6) acfm is actual cubic feet per minute at inlet conditions.

7) Sound levels are based off estimated dB(A) .

8) Approach temperature is the temperature above the discharge air and above the ambient air of the aftercooler.

9) Tank pumping time is based off 0 PSIG to fully pressurized.