



# Technical Data Sheet

## QGS 50

Technical Data			
<b>Operating Pressure</b>	<b>PSI</b>	<b>100</b>	<b>125</b>
Capacity	acfm	226	208
Nameplate HP	HP	50	50
Max Working Pressure	PSI	107	132
Min Working Pressure	PSI	58	58
Max Ambient Temperature	°F	115	115
Min Ambient Temperature	°F	32	32
Service Line Connection	NPT	1.5"	1.5"
Sound Level	dBA	68	68

Aftercooling Data			
<b>Operating Pressure</b>	<b>PSI</b>	<b>100</b>	<b>125</b>
Heat Rejection - Oil Cooler	BTU/min	1934	1934
Heat Rejection - After Cooler	BTU/min	438	438
Approach Temperature	°F	9°F @ 100psi	
Fan Motor HP	HP	1.5	1.5
Nominal Motor Speed	RPM	3555	3555
Fan Flow	cfm	2119	2119

Compressor Fluid			
<b>Operating Pressure</b>	<b>PSI</b>	<b>100</b>	<b>125</b>
System Capacity	gal	6	6
Fluid Carryover	ppm	3.7	3.7
Discharge Temperature	°F	185	185

Energy Data			
<b>Operating Pressure</b>	<b>PSI</b>	<b>100</b>	<b>125</b>
Full Load Drive Motor HP	BHP	60	59
Unloaded Drive Motor HP	BHP	15	14
Full Load Package Power	kW	45.6	45.6
Max Fuse Size (Amps)	460v	90A	90A
	230v	200A	200A
Fan motor Efficiency	%	87.5	87.5
Fan Motor Speed	RPM	1730	1730
Drive Motor Service Factor		1.13	1.13
Drive Motor Speed	RPM	3555	3555
Specific Energy Requirement	kW/100 cfm	19.8	21

Weight and Dimensions			
Length	in.	66	
Width	in.	42	
Height	in.	64	
Weight	lbs.	1918	