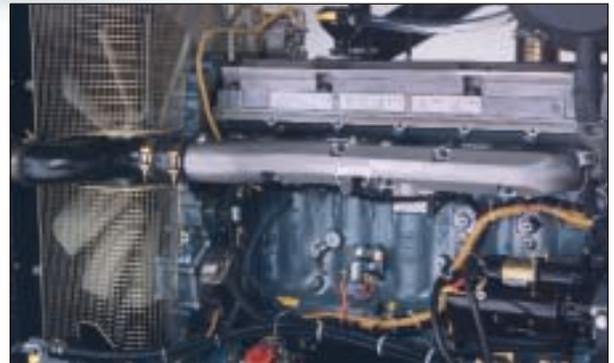


QAS 168-338 Generator Series

The QAS 168 – 338 generators are equipped with the popular Series 50 and Series 60 engines from Detroit Diesel. These advanced, electronically controlled engines offer unmatched stability and isochronous speed control. Detroit’s DDEC-IV engine control system provides the ultimate mix of horsepower, reliability, fuel economy and low emissions. Engine coolant heaters are standard. Detroit Diesel stands behind their engines with a one year / unlimited hour warranty, followed by a 3 year or 12,000 hour warranty on the engine block, crankshaft, and connecting rods. Detroit Diesel offers one of the largest and most comprehensive parts and service networks in the industry.



Detroit Series Control Panel

In addition to the standard features incorporated into the smaller QAS units, the QAS 168 – 338 control panel includes provisions to connect to Atlas Copco’s Stand Alone Paralleling Equipment (SAPE) to synchronize and parallel multiple units together. Engine diagnostics and adjustments can be performed by connecting to the Diagnostic Data Link on the front panel.



Output Connections	
	QAS 168-338
Outlet Studs	5/8"
50A-125/250V Temp Power	2
20A-125V GFCI Duplex	1

Detroit Series Engine Controller

The engine controller used on the QAS 168 – 338 builds upon the features of the QAS 18 – 138 engine controller. This module interfaces directly with DDEC for engine monitoring and shutdown. Engine faults can be quickly determined by using the diagnostic mode which allows readout of fault codes on the Check Engine and Stop Engine LEDs. Frequency adjustments can be easily accomplished using the fine adjustment potentiometer incorporated into the controller.



Oil Makeup System

For maximum reliability and uptime, the QAS 168 – 338 range is equipped with an oil makeup system as standard. If the engine oil level should drop, a float switch and an electrically activated solenoid allow oil to drain from a remote reservoir into the crankcase to maintain proper oil level.

Powered by Detroit Diesel

Model		QAS 168	QAS 228	QAS 278	QAS 338
Continuous kVA Rating	kVA	180	240	300	360
Continuous 3Ø kW Rating @ 0.8 P.F.	kW	150	200	250	300
Continuous 1Ø kW Rating @ 1.0 P.F.	kW	114	150	N/A	N/A
Voltage Selections	3Ø	208 220 240 416 440 460 480 Switchable			
Voltage Selections	1Ø	120 127 139 240 284 265 277 Switchable			
Low Voltage Circuit Breaker Thermal Trip	A	476	630	800	1000
Low Voltage Circuit Breaker Magnetic Trip	A	3 - 10 x In	3 - 10 x In	3 - 10 x In	3 - 10 x In
High Voltage Circuit Breaker Thermal Trip	A	216	290	360	435
High Voltage Circuit Breaker Magnetic Trip	A	3 - 10 x In	3 - 10 x In	3 - 10 x In	3 - 10 x In
Alternator Model		ECO 37 1S	ECO 37 3S	ECO 37 2L	ECO 37 3L
Voltage Regulation Accuracy		1%	1%	1%	1%
Frequency Droop Accuracy		0.25%	0.25%	0.25%	0.25%
Amperage Capability @ 120 V - 1Ø	A	2 x 476	2 x 630	N/A	N/A
Amperage Capability @ 240 V - 1Ø	A	476	630	N/A	N/A
Amperage Capability @ 208 V - 3Ø	A	476	630	800	1000
Amperage Capability @ 240 V - 3Ø	A	433	577	722	866
Amperage Capability @ 480 V - 3Ø	A	216	290	360	435
Motor Starting Capability	hp	75	100	125	150
Engine Model		Series 50	Series 50	Series 60	Series 60
Engine Type		Four Cycle	Four Cycle	Four Cycle	Four Cycle
Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged
		Intercooled	Intercooled	Intercooled	Intercooled
Number of Cylinders		4	4	6	6
Displacement	L	8.5	8.5	12.7	12.7
Horsepower Developed @ 1800 RPM	hp	209	274	340	416
Battery Voltage	V	24	24	24	24
Charging Alternator Output	A	70	70	70	70
Oil Sump Capacity	gal	7.0	7.0	9.5	9.5
Cooling System Capacity	gal	9.25	9.25	11.75	11.75
Fuel System Capacity	gal	126	126	126	126
Fuel Consumption @ 25% Load	GPH	2.5	3.4	3.9	4.6
Fuel Consumption @ 50% Load	GPH	4.9	6.9	7.7	9.1
Fuel Consumption @ 75% Load	GPH	7.4	10.3	11.5	13.7
Fuel Consumption @ 100% Load	GPH	9.9	13.7	15.3	18.3
Sound Level @ 23 Feet	dB(a)	72	72	72	72
Skid Mounted Dimensions	lxxh	136x55x78.75		156x57x78.75	
Weight	** (dry)	lbs.	7849	8004	9239
Weight	*** (wet)	lbs.	8930	9151	10363
Trailer Mounted Dimensions (optional)	lxxh	201x90x102		221x92x112	
Auxiliary Fuel Tank Capacity	gal.	200	200	300	300
Weight	** (dry)	lbs.	10616	10771	12803
Weight	*** (wet)	lbs.	13131	13352	16078

** Dry weight includes engine oil, coolant, and battery

*** Wet weight includes engine oil, coolant, battery, and fuel