

# M ALPHA ONE



## VEHICLE SPECS

### ENGINE

	M 400	M 600 ALPHA ONE	M 600 ALPHA ONE SNO PRO	M 858 ALPHA ONE	M 858 ALPHA ONE SNO PRO
Engine Type	400, 2-Stroke	400, 2-Stroke	600, 2-Stroke	600, 2-Stroke	858, 2-Stroke
Displacement <span>🔗</span>	397cc	397cc	599cc	599cc	858cc
Cooling <span>🔗</span>	Liquid	Liquid	Liquid	Liquid	Liquid
Cylinders <span>🔗</span>	1	1	2	2	2
Bore x Stroke <span>🔗</span>	85 x 70 mm	85 x 70 mm	73.8 x 70 mm	73.8 x 70 mm	85 x 75.6 mm
Lubrication <span>🔗</span>	Electronic Injection	Electronic Injection	Electronic Injection	Electronic Injection	Electronic Injection
Ignition	Digitally Controlled CDI	Digitally Controlled CDI	Digitally Controlled CDI	Digitally Controlled CDI	Digitally Controlled CDI
Engine Stator Output <span>🔗</span>	270W @ 3000 RPM	270W @ 3000 RPM	270W @ 3000 RPM	270W @ 3000 RPM	270W @ 3000 RPM
Fuel Delivery <span>🔗</span>	Electronic Fuel Injected (EFI)	Electronic Fuel Injected (EFI)	Dual Stage Injection	Dual Stage Injection	Next Gen, C-TEC2
Exhaust	APV with Tuned Pipe, Pipe Sensor, Manifold & Stainless Steel Muffler	APV with Tuned Pipe, Pipe Sensor, Manifold & Stainless Steel Muffler	APV w/ Tuned Pipe, Pipe Sensor, Stainless Steel Manifold & Muffler	APV w/ Tuned Pipe, Pipe Sensor, Stainless Steel Manifold & Muffler	APV IV w/ Full Stainless Steel Exhaust & EGT Sensors
Fuel Capacity	10.4 gal	10.4 gal	10.4 gal	10.4 gal	10.4 gal
Oil System Capacity	3.25 qt	3.25 qt	3.0 qt	3.0 qt	3.0 qt
Coolant System Capacity	5.0 qt	5.0 qt	4.2 qt	4.2 qt	4.2 qt
Minimum Octane <span>🔗</span>	91	91	91	91	91

### POWERTRAIN

	M 400	M 600 ALPHA ONE	M 600 ALPHA ONE SNO PRO	M 858 ALPHA ONE	M 858 ALPHA ONE SNO PRO
Drive Clutch <span>🔗</span>	CVTech Trailbloc	CVTech Trailbloc	ADAPT	ADAPT	ADAPT
Driven Clutch <span>🔗</span>	CVTech Invince	CVTech Invince	ADAPT	ADAPT	ADAPT
Drive System	Arctic Drive System	Arctic Drive System	AC M Belt Drive	AC M Belt Drive	AC M Belt Drive
Brakes	Stealth Hydraulic Master Cylinder w/ Lightweight Caliper	Stealth Hydraulic Master Cylinder w/ Lightweight Caliper	Stealth Hydraulic Master Cylinder	Stealth Hydraulic Master Cylinder	Stealth Hydraulic Master Cylinder
Clutch Calibration <span>🔗</span>	0-5,000 ft	0-5,000 ft	6,000-8,000 ft	6,000-8,000 ft	6,000-8,000 ft
Gearing	19/50	19/50	24/63	24/63	24/63
Chain Pitch	90	90	Belt	Belt	Belt
Track Drive Sprocket <span>🔗</span>	7 Tooth, 2.86 Pitch, Involute	7 Tooth, 2.86 Pitch, Involute	9 Tooth, 2.86 Pitch, Exvolute	9 Tooth, 2.86 Pitch, Exvolute or 7 Tooth, 3.50 Pitch, Exvolute	7 Tooth, 3.50 Pitch, Exvolute
Reverse	Push-Button Engine	Push-Button Engine	Push-Button Engine	Push-Button Engine	Push-Button Engine

### SUSPENSION

	M 400	M 600 ALPHA ONE	M 600 ALPHA ONE SNO PRO	M 858 ALPHA ONE	M 858 ALPHA ONE SNO PRO
Front Suspension	Arctic Mountain Suspension (AMS)	Arctic Mountain Suspension (AMS)	AWS 36	AWS 36	AWS 36
Ski Shocks	Hydraulic Twin Tube	Hydraulic Twin Tube	Arctic Cat IFFP 1.5	ACSS	Arctic Cat IFFP 1.5
Sway Bar <span>🔗</span>	N/A	N/A	N/A	N/A	N/A
Front Travel	8.3 in	8.3 in	7.6 in	7.6 in	7.6 in
Rear Suspension	ALPHA ONE® Rear Suspension	ALPHA ONE® Rear Suspension	ALPHA ONE Rear Suspension	ALPHA ONE Rear Suspension	ALPHA ONE Rear Suspension

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Front Track Shock	Hydraulic Twin Tube	Hydraulic Twin Tube	Arctic Cat IFFP 1.5	ACSS	Arctic Cat IFFP 1.5
Rear Track Shock	Hydraulic Twin Tube	Hydraulic Twin Tube	Arctic Cat IFFP 1.5	ACSS	Arctic Cat IFFP 1.5
Rear Travel	14.75 in	14.75 in	14.5 in	13.5 in or 14.5 in	14.5 in

### DIMENSIONS

	M 400	M 600 ALPHA ONE	M 600 ALPHA ONE SNO PRO	M 858 ALPHA ONE	M 858 ALPHA ONE SNO PRO
Overall Chassis Length	128 in	128 in	126.5 in	122 in or 126.5 in	126.5 in
Overall Chassis Width	42.5-44.5 in	42.5-44.5 in	42-44 in	42-44 in	42-44 in
Overall Chassis Height	48 in	48 in	50 in	50 in	50 in
Track Type	Challenger	Challenger	PowerClaw	PowerClaw	PowerClaw
Track Width	15 in	15 in	15 in	15 in	15 in
Track Length	146 in	146 in	154 in	146 in or 154 in	154 in
Lug	2.00 in	2.00 in	2.60 in	2.60 in or 3.00 in	3.00 in
Pitch <span>🔗</span>	2.86 in	2.86 in	2.86 in	2.86 in or 3.50 in	3.50 in
Ski Stance	35.5-37.5 in - Adjustable	35.5-37.5 in - Adjustable	35-37 in - Adjustable	35-37 in - Adjustable	35-37 in - Adjustable
Ski Type/Width	G2 ProClimb - 7 in	G2 ProClimb - 7 in	G2 ProClimb - 7 in	G2 ProClimb - 7 in	G2 ProClimb - 7 in
Runner Type	Single Runner	Single Runner	Single Runner w/ Carbide	Single Runner w/ Carbide	Single Runner w/ Carbide

### INSTRUMENTATION

	M 400	M 600 ALPHA ONE	M 600 ALPHA ONE SNO PRO	M 858 ALPHA ONE	M 858 ALPHA ONE SNO PRO
Type of Gauge	Powersport	Powersport	Sport	Sport	Sport
Speedometer	Digital	Digital	Digital	Digital	Digital
Tachometer <span>🔗</span>	Digital	Digital	Digital	Digital	Digital
Odometer	Digital	Digital	Digital	Digital	Digital
Fuel	Digital	Digital	Digital	Digital	Digital
Oil	Indicator Light	Indicator Light	LCD Icon	LCD Icon	LCD Icon
Coolant	Indicator Light	Indicator Light	Digital Bar Graph	Digital Bar Graph	Digital Bar Graph
Clock	N/A	N/A	N/A	N/A	N/A
Battery Voltage	N/A	N/A	N/A	N/A	N/A
Altimeter	N/A	N/A	N/A	N/A	N/A
Hours	Digital	Digital	Digital	Digital	Digital

### FEATURES

	M 400	M 600 ALPHA ONE	M 600 ALPHA ONE SNO PRO	M 858 ALPHA ONE	M 858 ALPHA ONE SNO PRO
Color	Black/Skye Blue	Black/Skye Blue	Black	Medium Green/Black	Black
Heat Exchanger <span>🔗</span>	Front/Long Tunnel	Front/Long Tunnel	Front/Short Tunnel	Front/Short Tunnel	Front/Short Tunnel
Starter	Turnkey Electric Start	Turnkey Electric Start	Push-Button Electric Start	Push-Button Electric Start	Manual
Handlebars	Hooked w/ Grab Handle	Hooked w/ Grab Handle	Hooked w/ Grab Handle	Hooked w/ Grab Handle	Hooked w/ Grab Handle
Lighting	Halogen 1-Bulb	Halogen 1-Bulb	LED	LED	LED
Seating	Lightweight Mountain	Lightweight Mountain	Mountain	Mountain	Mountain
Standard Accessories	Hand & Thumb Warmers, Standard Brake Disc, Standard Steering, Tether Switch	Hand & Thumb Warmers, Standard Brake Disc, Standard Steering, Tether Switch	12V Outlet, Sport Front Bumper, Integrated Goggle Holder, MTN Storage Bag, Hand & Thumb Warmers, Ice Scratchers, Lightweight Mountain Brake Disc, Vertical Steering, Tether Switch, Visor Plug-Ins	12V Outlet, Sport Front Bumper, Integrated Goggle Holder, MTN Storage Bag, Hand & Thumb Warmers, Ice Scratchers, Lightweight Mountain Brake Disc, Vertical Steering, Tether Switch, Visor Plug-Ins	12V Outlet, Sport Front Bumper, Integrated Goggle Holder, ATACH Rear Storage, Hand & Thumb Warmers, Ice Scratchers, Standard Brake Disc, Vertical Steering, Tether Switch, Visor Plug-Ins
Windshield	4 in Low Height	4 in Low Height	N/A	N/A	N/A

*Vehicle specifications are subject to change.*