

# Vehicle Specifications

Dimensions	Husky MKIII	Husky 2G
Length	7 340 mm	7 340 mm
Width	2 530 mm	2 530 mm
<b>Height</b>		
To Top of Roof Closed	3 142 mm	3 217 mm
To Top of Roof Open	3 540 mm	3 558 mm
Wheel Base	5 230 mm	5 230 mm
<b>Ground Clearance</b>		
Under Hull	590 mm	590 mm
Under Axle Differential (Search heads raised)	360 mm	415 mm
Tow Pintle Height	925 mm	925 mm
Angle of Approach	50°	50°
Angle of Departure	43°	43°
Side Slope	22°	18°
<b>Mass</b>		
Kerb Mass (Including fuel and lubricants)	8 350 kg	8 800 kg
Operating Weight	8 700 kg	9 200 kg
Gross Vehicle Weight Rating	30 800 kg (including MDT's)	12 000 kg (no MDT's)
<b>Crew</b>		
Driver/Operator	Single occupant	Driver and Operator
<b>Protection Levels</b>		
Blast Protection	STANAG 4059 (level 3), AEP 55 Spec	STANAG 4059 (level 3), AEP 55 Spec
IED Protection	50 kg at 5 meters	50 kg at 5 meters
Ballistic Protection	9 mm ceramic tiles glued to 6 mm ARMOX 500T hull Interior spall liners (optional extra) 96 mm armored glass (white or green)	9 mm ceramic tiles bolted to 6 mm ARMOX 500T hull Interior spall liners (optional extra) 96 mm armored glass (white or green)
<b>Performance (Using JP-8 Fuel)</b>		
<b>Maximum Road Speed</b>		
0% Grade	72 km/h (governed)	72 km/h (governed) 95 km/h (ungoverned)
20% Grade	5 km/h (pulling MDT's)	17 km/h
60% Grade	7.0 km/h	5.0 km/h
70% Grade	5.3 km/h	3.8 km/h
Maximum Detection Speed	50 km/h	50 km/h
Maximum Speed Pulling MDT's	15 km/h	n/a
<b>Acceleration</b>		
0 - 50 km/h 0% Grade	16 seconds (37.2 with MDT's)	22.9 seconds (no MDT's)
0 - 15 km/h 0% Grade	1.8 seconds (4.8 with MDT's)	2.2 seconds (no MDT's)
Turning Circle (Kerb to kerb including MDT's)	18 meters	18 meters
<b>Range</b>		
Hours (Continuous)	Limited by operator fatigue	Limited by driver and operator fatigue
Distance (Husky)	800 km	750 km
Distance (With MDT's)	500 km	n/a
Fuel Tank	150 liters	150 liters
<b>Engine</b>		
Make	Mercedes Benz OM 906 LA	Mercedes Benz OM 906 LA
Maximum Power (DIN)	150 kW @ 2 200 rpm	150 kW @ 2 200 rpm
Maximum Torque (DIN)	750 Nm @ 1 250 rpm	750 Nm @ 1 250 rpm
Displacement	6.4 liters	6.4 liters
Aspiration	Turbo-charged intercooled	Turbo-charged intercooled
<b>Electrical System</b>		
	24V system with resettable circuit breakers.	24V system with resettable circuit breakers.
	150 A Niehoff Alternator	150 A Niehoff Alternator
	US Mil Spec black out lighting and drive lights	US Mil Spec black out lighting and drive lights
	Instrumentation to SAEJ1709 (data bus driver)	Instrumentation to SAEJ1709 (data bus driver)
<b>Braking System</b>		
Service Brakes	Full air	Full air
Park Brakes	Spring applied	Spring applied

Suspension	Husky MKIII	Husky 2G
Springs	Semi elliptic leaf springs (11 blade)	Semi elliptic leaf springs (13 blade)
Shock Absorbers	Hydraulic, double acting telescopic	Hydraulic, double acting telescopic
<b>Wheels and Tires</b>		
Rim Tire	20" x 10" steel split rim	20" x 16" steel split rim
Overpass Tire Size	450/80 R20 (standard fitment)	550/70 R20 (optional extra)
Operating (Detecting) Tire Pressure	60 kPa	60 kPa
Off Road (Sand) Tire Pressure	100 kPa	100 kPa
On Road (Tar) Tire Pressure	200 kPa	200 kPa
Road Tire Size	14.00 R20 (optional extra)	14.00 R20 (standard fitment)
Operating Pressure	280 kPa	280 kPa
Both Fitting With Bead Spacers	Yes	Yes
CTIS System To Adjust Pressure For Cab	Yes	Yes
<b>Axle</b>		
Make	Axletech 4000 Series	Axletech 4000 Series
Type	Planetary with selectable diff lock and full CTIS	Planetary with selectable diff lock and full CTIS
Ratio	8:1	8:1
<b>Transmission</b>		
Make	Allison 2500 SP	Allison 2500 SP
Type	5 speed automatic (5 forward, 1 reverse)	5 speed automatic (5 forward, 1 reverse)
<b>Transfer Transmission</b>		
Make	KHD-Z65	KHD-Z65
Type	2 speed gear drive	2 speed gear drive
Ration	1.03 high, 2.15 low	1.03 high, 2.15 low
<b>Steering System</b>		
	Full power steering (hydraulically assisted)	Full power steering (hydraulically assisted)
	Unique mechanical Four Wheel Steer system	Unique mechanical Four Wheel Steer system
<b>Environmental Performance</b>		
Maximum Operator Temperature	56° C	56° C
Minimum Operator Temperature	-32° C	-32° C
Air conditioner	12 000 BTU/hr 3.5 kW cooling (+40°C to +20°C in 5 minutes) (-20°C to +10°C in 15 minutes)	20 000 BTU/hr 6.0 kW cooling (+40°C to +20°C in 8 minutes) (-20°C to +10°C in 15 minutes)
<b>Detection System</b>		
Type	VMMDS (DSP)	VMMDS (HS-DSP)
Coil	Dual	Dual
Mode	Magnetic Pulse Induction	Magnetic Pulse Induction (HI-SENSE)
Test Coil	Yes	Yes
Antennae Height Adjustment	Mechanical/External	Electrical/Adjustable by operator from inside cab
<b>Special Features</b>		
	Automatic fire extinguisher systems in cabin and engine compartments	Automatic fire extinguisher systems in cabin and engine compartments
	Fitted for but not with remotely operated US Army Singars radio	Fitted for but not with remotely operated US Army Singars radio
	Unique mechanical Four Wheel Steer	Unique mechanical Four Wheel Steer
	Fitted for but not with ESP armor	High capacity window washers, wipers and downward angled windows

