## HUSKY MKIII VEHICLE MOUNTED MINE DETECTOR (VMMD)

### Technical Specifications

#### Dimensions
- **Length**: 7,340 mm (24' 1")
- **Width**: 2,530 mm (8' 4")
- **Height**: 3,242 mm (10' 8")
- **Wheel base**: 5,230 mm (17' 2")

#### Mass
- **Curb weight**: 8,350 kg (18,409 lbs)
- **Operating weight**: 8,700 kg (19,180 lbs)
- **GVWR (overpass mode)**: 8,700 kg (19,180 lbs)
- **GVWR (non-overpass mode)**: 12,000 kg (26,455 lbs)
- **GCWR**: 30,800 kg (67,902 lbs)

#### Ground Clearance
- **Under hull**: 590 mm (23")
- **Under axle (overpass mode)**: 360 mm (14")
- **Under axle (non-overpass mode)**: 415 mm (16")
- **Tow pintle height**: 925 mm (36")
- **Angle of approach**: 50°
- **Angle of departure**: 43°

#### Seating
- **Single operator**

#### Performance (with JP-8 fuel)
- **Max road speed (sustained)**: 72 km/h (45 mph)
- **Max road speed (burst)**: 95 km/h (59 mph)
- **Speed on grade**:
  - 20% grade: 17 km/h (11 mph)
  - 60% grade: 7.0 km/h (4.4 mph)
  - 70% grade: 5.3 km/h (3.3 mph)
- **Max detection speed**: 50 km/h (31 mph)
- **Max side slope**: 22°

#### Acceleration
- 0 - 50 km/h (0 - 31 mph): 16 sec
- 0 - 15 km/h (0 – 9.3 mph): 1.8 sec

#### Range
- **Fuel range**: 800 km (497 mi)
- **Fuel capacity**: 150 liters (40 gal)

#### Survivability
- **V-shaped monocoque hull**
- **Modular applique armor**
- **STANAG protection levels available upon request**

#### Special Features/Options
- **Automatic Fire Extinguisher System (AFES)**
- **Arctic cold start kit**
- **Optional high-sensitivity detection system**

#### Engine
- **6.4 liter turbo-diesel (JP-8 compliant)**
- **Max power**: 150 kW (201 hp) @ 2,200 rpm
- **Max torque**: 750 N-m (553 ft-lb) @ 1,250 rpm

#### Transmission
- **5 speed automatic**

#### Transfer Case
- **2 speed**
- **1:2 ratio**

#### Steering System
- **Permanent mechanical four wheel steering**
- **Power steering (hydraulically assisted)**
- **Turning circle**: 18 m (59’ 1")

#### Axles
- **Selectable differential lock and full CTIS**

#### Electrical
- **24V system**
- **140 A alternator standard, 270 A optional**
- **US MIL-SPEC black out lighting and drive lights**

#### Wheels and Tires
- **Two-piece steel rim**
- **Central Tire Inflation System (CTIS)**
- **Overpass tire size**: 450/80 R20 (standard)
- **Operating (detecting) tire pressure**: 60 kPa (8.7 psi)
- **Off-road (sand) tire pressure**: 100 kPa (14.5 psi)
- **On-road (asphalt) tire pressure**: 200 kPa (29 psi)
- **Road tire size (optional)**: 14.00 R20
- **Road tire pressure**: 280 kPa (40.6 psi)

#### Detection System
- **Redundant dual coils**
- **Magnetic pulse induction**
- **Integrated diagnostics**
- **Automatic height adjustment and stowage**
- **5-color marking system**

#### Environmental Performance
- **Air conditioner**: 8,800BTU/hr, 2.8 kW cooling
- **Max operator temperature**: 30° C (86° F) at ambient
- **Min operator temperature**: 18° C (64.4° F) at ambient

---

**About CSI**

Founded in 1999, Critical Solutions International (CSI) provides platforms that detect and mitigate evolving threats for security forces worldwide.

---

**DCD Protected Mobility**

This product is provided in collaboration with DCD Protected Mobility, CSI’s trusted vehicle manufacturing partner.