



OnSEIS™ Synchronized Impulsive Source Vehicles

Safety. Acquisition. Experience.

OnSEIS™

Synchronized Impulsive Source Vehicles

Tracked Form Factor Reduces Environmental Impact, Improves Access and Maneuverability



CHALLENGE:

Conventional wheeled source vehicles lack the maneuverability to operate in congested areas, while their size and weight can negatively impact the environments where they operate.

SOLUTION:

The SAE OnSEIS™ Synchronized Impulsive Source Vehicle delivers the energy generation capabilities of larger trucks in a highly maneuverable form factor. The compact size and light weight of OnSEIS vehicles enables operation within 15 feet of most structures, while the rubber treads exert ground pressure equivalent to human footsteps to minimize environmental impact.

OnSEIS units are available with single or dual sources, increasing both acquisition design flexibility and access to challenging terrains.

Results

- No ghosting, no harmonics
- 15 ft. offsets
- 10 ft. wide lines
- 5 psi ground pressure
- Stackable energy
- Repeatable signature





| BASIC SPECIFICATIONS | DUAL OnSEIS TCX 85 | DUAL OnSEIS IHI IC 70 | SINGLE OnSEIS IHI IC 35 |
|-------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Total Weight | 28,250 lbs | 34,500 lbs | 12,500 lbs |
| ENGINE | | | |
| Make | John Deere | Mistubishi | Kubota |
| Model | 4045T | 6D16 TLI | V2403M-DI |
| Horsepower | 115 HP @ 2,400 | 224 HP @ 2,700 | 46 HP @ 2,700 |
| Fuel Capacity | 27.7 gal | 120 gal | 13.7 gal |
| DIMENSIONS | | | |
| Total Length | 19'6" (5.9 mts) | 240" (6 mts) | 13'2" (4 mts) |
| Total Width | 8'2" (2.50 mts) | 8'6" (2.59 mts) | 6'3" (1.9 mts) |
| Total Height | 9'6" (2.89 mts) | 9'7" (2.9 mts) | 7'5" (2.2 mts) |
| TRAVEL SPEED | | | |
| Low (mph) | 3.5 | 4.2 | 3.7 |
| High (mph) | 5.0 | 5.7 | 5.0 |
| GROUND PRESSURE | | | |
| Loaded | 4.8 psi | 4.0 psi | 9.2 psi |
| HYDRAULIC SYSTEMS | | | |
| Hydraulic Reservoir | 35 gal | 50 gal | 20 gal |
| Travel Drive System | HST | HST | HST |
| Transmission System | 3 Speed Manual | 2 Speed Manual | 2 Speed Manual |
| Hydraulic Oil (Biodegradable) | Panolin HLP Synth 46 | Panolin HLP Synth 46 | Panolin HLP Synth 46 |
| Brake System | HST Brake Manual Parking Brake | HST Brake Manual Parking Brake | HST Brake Manual Parking Brake |
| CRAWLER | | | |
| Crawler Span | 10'6" (3.2 mts) | 8'2" (2.48 mts) | 5'0" (1.5 mts) |
| Track Width | 23" (.58 mts) | 27.5" (.69 mts) | 12.6" (.3 mts) |
| Ground Clearance | 1'6" (.45 mts) | 1'9" (.5 mts) | 11.6" (.29 mts) |
| STABILITY | | | |
| Grade ability (deg) | 30 | 30 | 30 |
| FUEL CONSUMPTION | | | |
| Carrier | Kubota Engine 6.5 gal/hr | Mitsubishi Engine 10 gal/hr | Kubota Engine 3 gal/hr |
| Generator | 1.5 gal/hr 1.5 gal/hr | 1.5 gal/hr 1.5 gal/hr | 1.5 gal/hr 1.5 gal/hr |
| GENERATOR SYSTEM | | | |
| Voltage | 380V | 380V | 380V |
| Frequency | 50 HZ | 50 HZ | 50 HZ |
| KVA | 11 KVA (8.8KW) | 11 KVA (8.8KW) | 5 KVA (4KW) |
| SHOOTING SYSTEM | | | |
| SGD-SP | SGD-SP | SGD-SP | SGD-SP |
| Cycle Time | 5 sec | 5 sec | 5 sec |
| Magnet | Single - 2 units | Single - 2 units | Single - 2 units |
| Charge | 850 V DC, 3000 A Per Magnet | 850 V DC, 3000 A Per Magnet | 950 V DC, 3000 A |



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