



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)	Shell Panolin S4 HLP Synth 46	Shell Panolin S4 HLP Synth 46	Shell Panolin S4 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



10300 Town Park Drive, Suite S300

Houston, TX 77072

U.S.A.

Telephone: +1 346 874 7600

sales@saexploration.com

saexploration.com

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