



SFT-250 Pipe Carriers

Operating weight 37,480 lbs / 17,000 kg

Pipe size capacity up to 48 in

Horsepower 187 kW / 250 HP



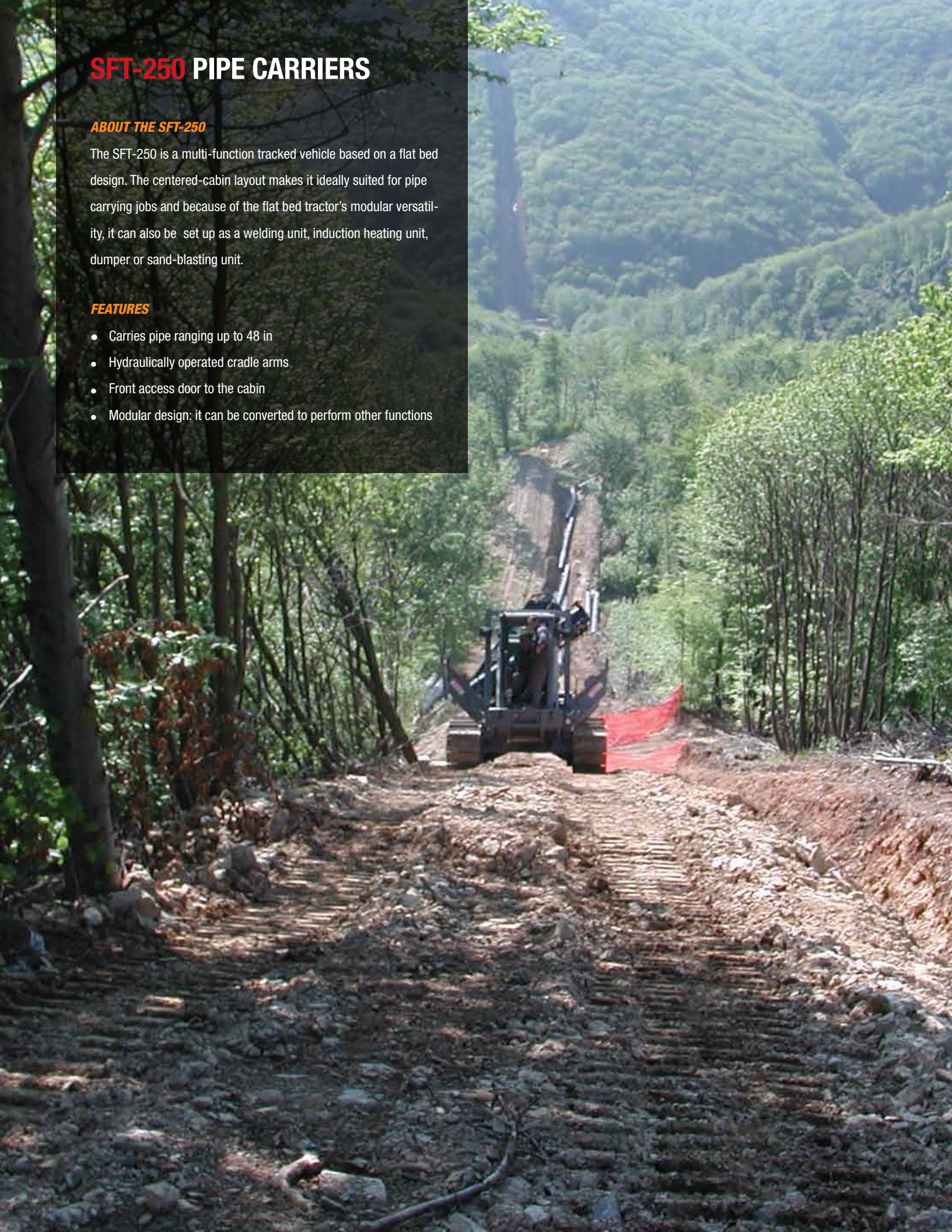
SFT-250 PIPE CARRIERS

ABOUT THE SFT-250

The SFT-250 is a multi-function tracked vehicle based on a flat bed design. The centered-cabin layout makes it ideally suited for pipe carrying jobs and because of the flat bed tractor's modular versatility, it can also be set up as a welding unit, induction heating unit, dumper or sand-blasting unit.

FEATURES

- Carries pipe ranging up to 48 in
- Hydraulically operated cradle arms
- Front access door to the cabin
- Modular design: it can be converted to perform other functions



GENERAL SPECIFICATIONS

ENGINE

Type	Caterpillar C7 ACERT
Net flywheel power (DIN 6270)	187 kW / 250 HP
Governed speed	2,200 g/min

ELECTRIC SYSTEM

Operating voltage	24 V
Maintenance-free supplied batteries	2
Battery capacity (each)	160 Ah
Starter capacity	7.5 kW
Alternator	55 A

HYDRAULIC SYSTEM

Transmission main pumps	(MANNESMANN) Two independent variable pumps, closed circuit
Maximum capacity	145 U.S. gal/min - 550 lt/min
Maximum operating pressure	6,090 p.s.i. - 420 bar
Service pumps	SAE "A" standard
Maximum capacity	6 U.S. gal/min - 24 lt/min
Maximum operating pressure	2,755 p.s.i. - 190 bar

TRANSMISSION

Type	Hydrostatic 2 speed, closed circuit
Travel motors	(Hydromatic) Axial pistons disappearing into the tracks frame
Brakes	Integrated negative control

FINAL DRIVES

Type	Epicycloidal, oil soaked
Travel speed:	
1st speed	5.1 mph - 3.2 km/h
2nd speed	8.3 mph - 5.2 km/h

CONTROLS

Type	Pilot operated
Tracks travel control lever	Single joystick
Throttle lever	1
Safety	Single button to completely bypass the control hydraulic system and brakes operated

UNDERCARRIAGE

Rollers leaning on tracks	9
Rollers supporting tracks	2
Sprocket segment CAT Std.	5
Gauge	73 in / 1,850 mm
Ground contact area (with optional 650 mm shoes)	6,448 in ² / 41,600 cm ²

PULL HOOK

Maximum allowed pull (front or rear)	33,000 lbs / 150 KN
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ROPS/FOPS CAB (3471/3449 SAE 1040 C/J/231)

Features: spring-mounted cab, soundproofing, A/C and heating, 2 halogen lights

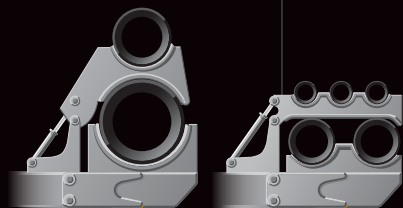
CAPACITIES

Fuel tank	92 U.S. gal / 350 liters
Hydraulic system circuit	63 U.S. gal / 240 liters

HYDRAULIC BOOM OPTIONS

Option 1: Type	Maxilift 040.3C
Maximum lifting capacity	42 KNm
Option 2: Type	HIAB 060-2
Maximum lifting capacity	60 KNm
Option 3: Type	HIAB 144E-3 HiDuo
Maximum lifting capacity	130 KNm

SFT-250 FEATURES



CUSTOM CRADLES

The cradles are custom-made to fit any pipe size combination the customer requires. They can be replaced to fit different pipe sizes within the machine's pipe range.



FRONT ACCESS

The door was installed at the front of the cabin for unobstructed access to the driver's seat.



HYDRAULIC SYSTEM

The cradles tilt up hydraulically. The hydraulic cylinders are controlled from the cabin.



MODULAR DESIGN

The versatility of this design means that you can repurpose your tractor to fulfill various specialized tasks such as sand-blasting, heat induction, pipe welding or dumping.



TRANSMISSION

The SFT-250 features a two-speed hydrostatic transmission and allows for a maximum gradient of 73%, as well as counter-rotation of the tracks.



HYDRAULIC BOOM

We have several brands of hydraulic booms from which to choose: Hiab, Maxilift or Bonfiglioli.

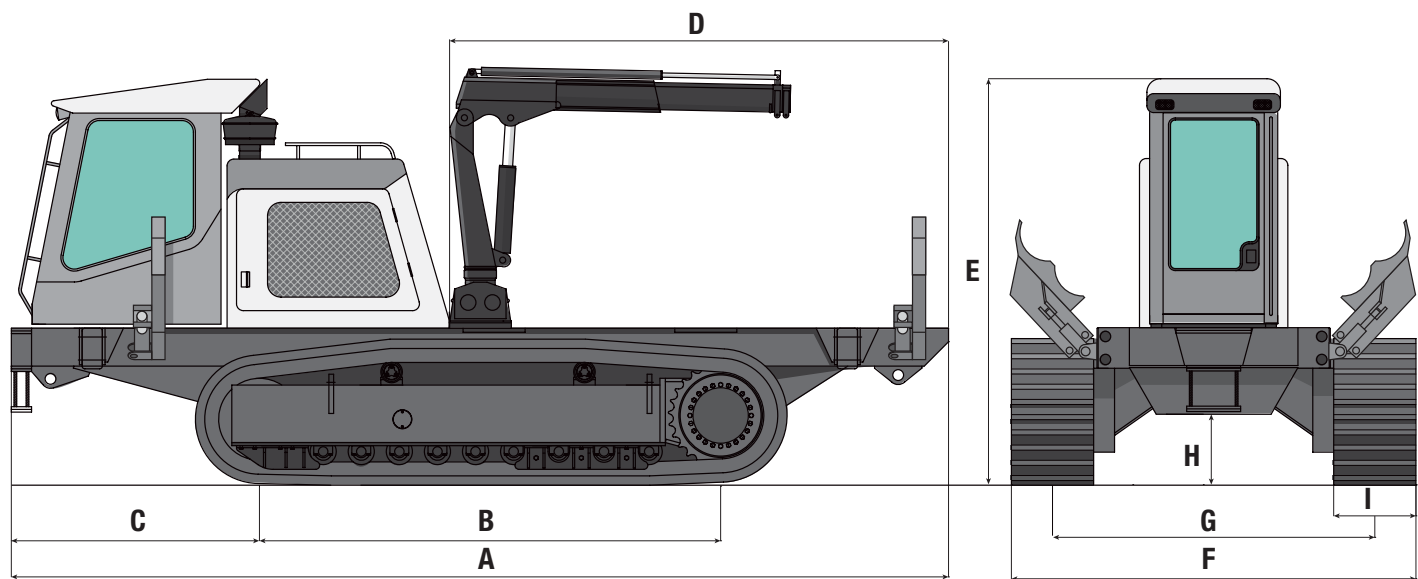
OTHER APPLICATIONS

The SFT-250 is part of SUPERIOR Manufacturing's family of flat bed tractors. These multi-function tractors feature a modular design which allow them to be easily converted to perform other specialized functions, such as welding tractors (pictured), induction heating, dumper, mobile workshop or sand-blasting units.



DIMENSIONS

Operating weight 37,480 lbs / 17,000 kg



	Feet	Meters
A Overall length	22.8 ft	6.95 m
B Length of tracks on ground	11.2 ft	3.42 m
C Length of front section	6 ft	1.84 m
D Length of bed	12.1 ft	3.7 m
E Height	9.8 ft	3 m
F Tractor width	9.8 ft	3 m
G Track gauge	7.8 ft	2.4 m
H Ground clearance	1.7 ft	52 cm
I Standard shoes width	22 in	55 cm
Optional shoes width	25 in	65 cm

AVAILABLE MODELS



SPC-D60 | Pipe sizes: 6 in - 24 in



SPC-D70 | Pipe sizes: 24 in - 48 in



SPC-D80 | Pipe sizes: 40 in - 60 in



SFT-250 | Pipe sizes: up to 48 in

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