

CoRis

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Max. Lift Capacity
127.000 kg / 279.987 lb

Engine
328 kW / 440 HP (SAE J1995)
Stage V / Tier 4 Final



SAFE-T-REX 130



Technical Data

ENGINE

Caterpillar Diesel engine	C13 ACERT Emission regulations according to 97/68/EC, 2004/26/EC Stage V, US EPA / CARB Tier 4 Final
Rate power SAE J1995	328 kW / 440 HP
Rated speed	2,100 rpm
Displacement	12,5 l / 762,8 in ³
Design	6 cylinder in-line engine, water-cooled, turbocharged, air-to-air intercooler
Injection system	Direct fuel injection. Mechanical Electronic Unit Injector fuel system (MEUI)
Lubrication	Pressurised Ube system, engine lubrication guaranteed for inclinations t.p ID 30° (standard front sump oil pan, 36 liters oil capacity)
Operating voltage	24 V
Alternator	65 A
Starter	Delco Remy Heavy Duty 50MT Peak output 9 kW / 12 HP
Batteries	2 x 185 Ah / 12V
Air cleaner	Dry-type air cleaner with pre-cleaner, main and safety elements, visual or electric service indicator. Turbine heavy duty air precleaner
Cooling system	Combi radiator, comprising radiators for water and charge air. Hydrostatic fan drive.

TRAVEL DRIVE, CONTROL

Transmission system	Infinitely variable hydrostatic travel drive, independent for each track
Travel speed	Continuously variable
Speed range 1:	0-3,0 km/h / 19 mph
Speed range 2:	0-4,2 km/h / 26 mph
Speed range 3:	0-7,4 km/h / 46 mph
Electro-hydraulic system	All the logical assemblies on the machine are electro-hydraulic. Result: the machine is significantly more reliable in relation to electronic system
Steering	Hydrostatic
Service brake	Hydrostatic (self-locking), wear-free
Parking brake	Multi-disc brake, wear-free, automatically applied with neutral joystick position
Cooling system	Separate oil cooler, hydrostatic fan drive and thermostatically controlled
Filter system	Micro cartridge filter in the replenishing circuit
Final drive	Combination spur gear with planetary gear, double-sealed (duo cone seals) with electronic seal integrity indicator
Control	Single joystick for all travel and steering functions

HYDRAULICS

Hydraulic system	Load sensing (demand controlled)
Pump type	Swash plate piston pump
Pump flow max.	220 l/min. / 58,1 gpm
Pressure limitation	420 bar / 6,092 psi
Control valve	3 circuits
Filter system	Return filter with magnetic rod in the hydraulic tank
Control	Single joystick for hoist winches. Further single joystick for counterweight.

OPERATOR'S CAB HYDRAULICS

Cab	Resiliently mounted ROPS Rollover Protective Structure (EN ISO 3471). Optional, modular cab with positive pressure ventilation can be mounted under the ROPS
Operator's seat	Mechanical seat with hydraulic dampers, guide suspension
Monitoring	Touch screen: single display of all machine information and controls. The telemetry system allows to keep monitored and record in a black box all machine function and parameters, including the operator through his magnetic badge

UNDERCARRIAGE

Design	Track frame, rigid
Track chains	Lubricated, single-grouser shoes, tensioning via steel spring and grease tensioner
Links, each side	45
Track rollers, each side	9
Carrier rollers, each side	2
Sprocket segments, each side	9
Track shoes	915 mm/36"

SOUND LEVELS

Operator sound exposure ISO 6396

L_{pa} (in the cab) 78 dB(A)

Exterior sound pressure 2000/14/EC

L_{wa} (to the environment) 108 dB(A)

REFILL CAPACITIES

Fuel tank	350 l / 92,5gal
Engine oil with filter	45 l / 11,9 gal
Splitter box	5,6 l / 1,5 gal
Hydraulic tank	365 l / 95,1 gal
Final driv, each side	22,8 l / 6 gal
Urea tank	35 l / 6,6 gal

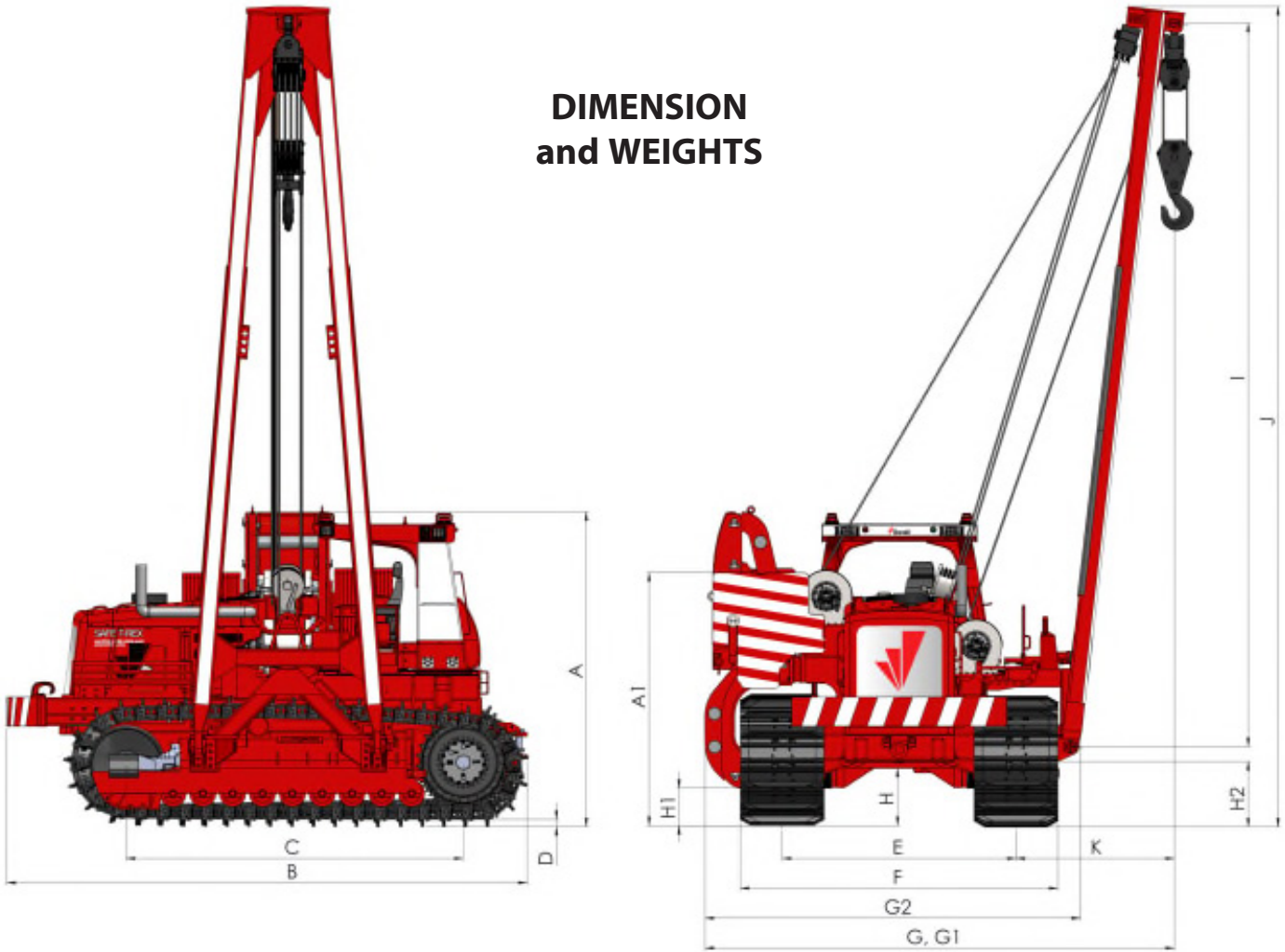
HYDRAULIC WINCH

Hoist winch	Variable flow hydraulic pump
Safety brake	Spring-loaded disk brake holds the load safely in any position
Drum diameter	403 mm / 15,87"
Drum length	358 mm / 14,09"
Flange diameter	610 mm / 24,02"
Cable diameter	19 mm / 0,75"
Cable length	120 m / 131,23 yd
Hook block	4 sheaves
Hook speed (up, down)	0 - 20,0 m/min / 0-66 ft./min

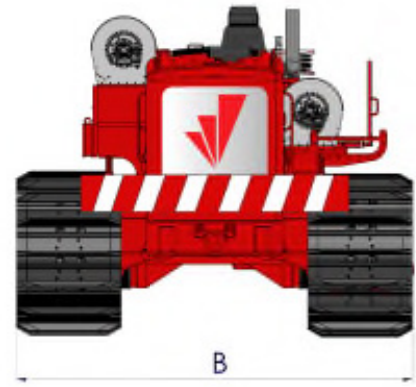
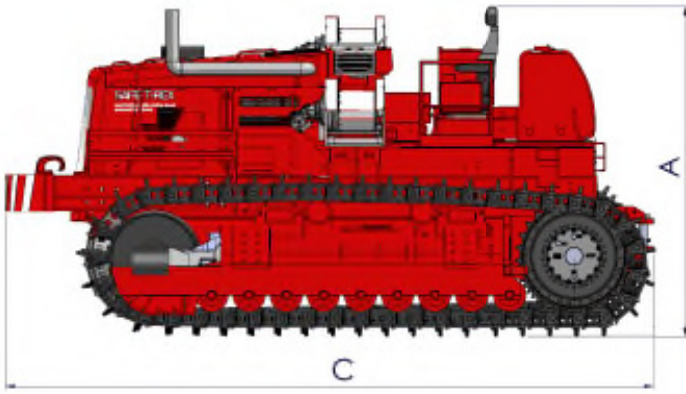
DRAWBAR PULL

Max.	620 kN
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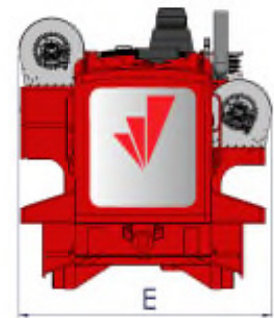
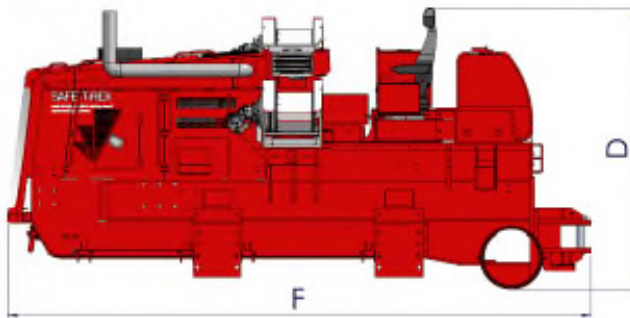
DIMENSION and WEIGHTS



	BOOM		STANDARD 9,000 mm	OPTIONAL 10,500 mm
A	Height over cab	mm / ft-in	3,795 / 12,5"	3,795 / 12,5"
A2	Height over counterweight	mm / ft-in	3,049 / 10'	3,049 / 10'
B	Overall length	mm / ft-in	6,276 / 20'7"	6,276 / 20'7"
C	Length of track on ground	mm / ft-in	4,064 / 13'4"	4,064 / 13'4"
D	Height of grousers	mm / ft-in	87 / 342"	87 / 342"
E	Track gauge	mm / ft-in	2,820 / 9'3"	2,820 / 9'3"
F	Total width over undercarriage	mm / ft-in	3,830 / 12'7"	3,830 / 12'7"
G	Width (counterweight retracted)	mm / ft-in	5,662 / 18,7"	5,662 / 18,7"
G2	Width (counterweight extended)	mm / ft-in	8277 / 27'2"	8277 / 27'2"
G2	Width (console to boom)	mm / ft-in	4,530 / 14'10"	4,530 / 14'10"
H	Ground clearance	mm / ft-in	692 / 2'3"	692 / 2'3"
H2	Ground clearance of console	mm / ft-in	451 / 1,6"	451 / 1,6"
H2	Ground clearance of boom	mm / ft-in	790 / 2'7"	790 / 2'7"
I	Boom length projection	mm / ft-in	8,720 / 28'7"	10,215 / 33'6"
J	Total height	mm / ft-in	9,890 / 32'5"	11,386 / 37'4"
K	Distance (outer edge of chain link to hook)	mm / ft-in	1,405 / 4'7"	1,580 / 5'2"
	Operating weight	kg / lb	67,400 / 148,592	67,750 / 149,363
	Counterweight without frame	kg / lb	13,850 / 30,534	13,850 / 30,534
	Counterweight	kg / lb	18,300 / 40,345	18,300 / 40,345
	Weight of boom	kg / lb	2,700 / 5,952	3,050 / 6,724



TRANSPORT DIMENSION



A	Height (Pos. 1)	mm / ft-in	3,190 / 10'6"
B	Width (Pos. 1)	mm / ft-in	3,830 / 12'7"
C	Lenght (Pos. 1)	mm / ft-in	6,276 / 20'7"
	Weight (Pos. 1)	kg / lb	43,900 / 96,783
D	Height (Pos. 2)	mm / ft-in	2,720 / 8'11"
E	Width (Pos. 2)	mm / ft-in	2,460 / 8'1"
F	Lenght (Pos. 2)	mm / ft-in	5,640 / 18,6"
	Weight (Pos. 2)	kg / lb	16,600 / 36'597"

