

LIPPMANN

Specifications

L520s 2-Deck Mobile Screener



DESCRIPTION

Heavy duty mobile screener with following features:

- 20x5 heavy duty high energy 2 bearing screenbox
- 130Hp diesel at engine
- Track or wheel mobile
- Integrated hydraulic folding stockpiling conveyors
- Remote control tipping grid
- Fast on-site setup time - 10 minutes

DIMENSIONS AND WEIGHTS

Length - transport 15ft hopper	18.45 (60' - 6")
Length - transport 12ft hopper (Please see last page)	17.5m (57' - 6")
Width - transport	2.9m (9' - 6")
Height - transport track	3.4m (11' - 2")
Height - transport wheel	3.68m (12' - 1")
Weight - track	36,430 Kgs (80,314lbs)
Weight - wheel	32,000 Kgs (70,548lbs)

CAPACITIES

Diesel tank capacity	399 L (105 US gal)
Hydraulic tank capacity	630 L (166 US gal)
Capacity - 12ft hopper	8.01 m ³ (10.48 yd ³)
Capacity - 15ft hopper (Std)	10.01 m ³ (13.09 yd ³)

FEEDER CONVEYOR

Belt width	1200mm (48")
Belt spec	Plain 500/3 6+3
Drive drum dia.	335mm (13.1")
Tail drum dia.	320mm (12.5")
Gearbox	Bonfig 805 W2
Gearbox ratio	24.2
Gearbox torque	700Nm cont, 12,500Nm max
Motor	160cc motor
Flow rate	72.6 Lpm (19.2 US gpm)
Adjustable speed	Yes
Maximum speed	18.75 rpm

MAIN CONVEYOR

Belt width	1050mm (42")
Belt spec	Chevron 400/3 6+1.5
Option	Plain belt
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6")
Motor	800cc motor
Flow rate	101.2 Lpm (26.7 US gpm)
Adjustable speed	Option
Maximum speed	126.5 rpm

TAIL CONVEYOR

Stockpile height - track model	4638mm (15' - 3")
Stockpile height - wheel model	4905mm (16' - 1")
Belt width	1200mm (48")
Belt spec	Plain - 400/2 6+1.5
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6")
Motor	800 cc motor
Flow rate	101.2 Lpm (26.2 US gpm)
Maximum speed	126.5 rpm

SIDE CONVEYOR

Stockpile height - track model	5100mm (16' - 9")
Stockpile height - wheel model	5370mm (17' - 7")
Belt width	800mm (32")
Belt spec	Chevron - 400/3 6+1.5
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6")
Motor	400 cc motor
Flow rate	50.6 Lpm (13.4 US gpm)
Adjustable speed	Yes
Maximum speed	126.5 rpm
Drum centers	10275mm (33' - 8")

SCREENBOX

Dimensions - top deck	6100mm x 1524mm (20' x 5')
Dimensions - bottom deck	5490mm x 1524mm (18' x 5')
Bearing type	NSK 110mm bore
Screens - top deck	5' x 4' side tension - 5 off
Screens - bottom deck	5' x 6' end tension - 3 off
Tensioning - top deck	Quick release pin and wedge
Tensioning - bottom deck	Curved tension bar and adjuster
Screen angle	20 to 30 degrees
Screen motor	DBH MCC2213 (85.7cc/rev)
Drive system	Direct drive with HRC180 coupling
Hydraulic flowrate	101.2 Lpm (22.26gpm)
Speed adjustable	Yes - pressure compensated FCV
Screen stroke adjustable	6 - 10mm maximum
Screen shaft speed	1130 - 950 rpm
Screen 'g' force	4.29 - 5.05 g

POWERUNIT AND HYDRAULICS

Engine	CAT C4.4 (tier 3, tier 4F & stage 5) Deutz 3.6 (stage 5)
Engine speed	1800 rpm
Flywheel pump 1	Cast iron 5056, 5056, 5041
LH PTO pump 2	Cast iron 5029, 5029, 2SPA23
Total system flow	419 Lpm (110.7 US Gpm)
Hydraulic tank capacity	630 L (166 US gal)
Hydraulic tank ratio	1.51 : 1
Hydraulic oil cooler	Yes

ELECTRIC HYDRAULIC POWERUNIT (WITH WHEELED OPTION ONLY)

2 electric motors	37kW (50Hp)
Frequency	50hz or 60hz
Voltage	3 phase 415V or customer specific
Control panel can be supplied upon request	

ELECTRICS

Emergency stops	6 off, 1 feeder, 2 powerunit RH&LH, 2 chassis front RH&LH, 1 walkway
Chassis cabling	Armored cable
Start siren	Yes – 10 sec delay
Engine shutdowns	Low oil pressure High water temp Air filter blockage (selectable) Fuel contamination Low hydraulic tank level
Engine room light	Yes
Remote tipping grid	Yes – 2 function timed
Radio control tracks	Standard
Pendant track control	Standard as backup

TRACKS

Width	500mm (19.7")
Length	3800mm (12' – 6") crs.
Height	798mm (31.4")
Gearbox	Bonfiglioli 709
Ratio	148:1
Motor	Rexroth 90
Speed max	1.14 Kph (0.71 Mph)
Flow rate	101.2 Lpm (26.7 US Gpm)
Attachment to chassis	Bolt on for quick change

WHEELS

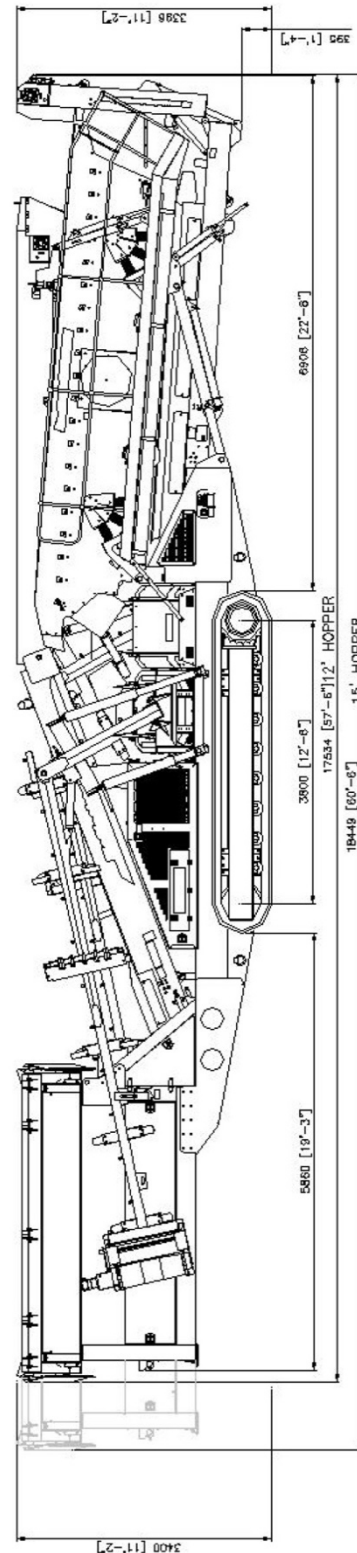
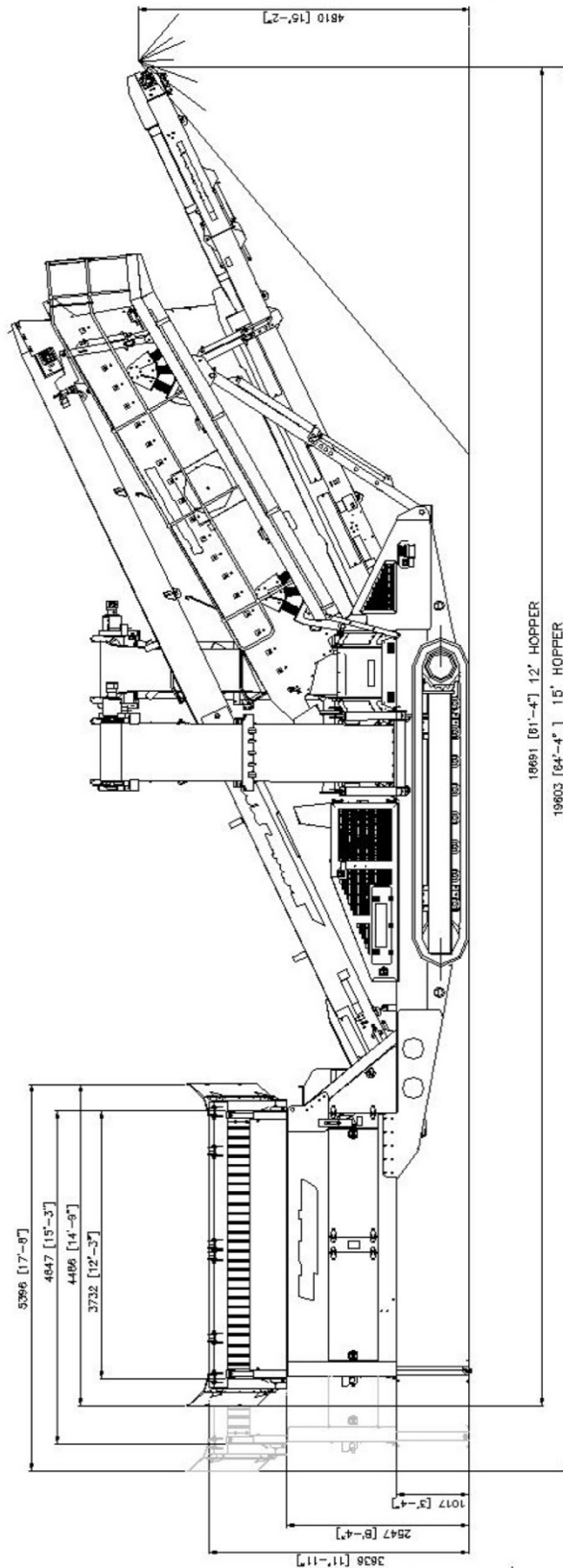
Width	2900mm (9' - 6")
Axle centers	1360mm (4' - 6")
Wheels	235/75/R17.5 dual
Axles	3 off
Brakes	Yes
Spring suspension	Yes
Mudguards	Yes
Handbrake	Yes
ABS	Yes

OPTIONS

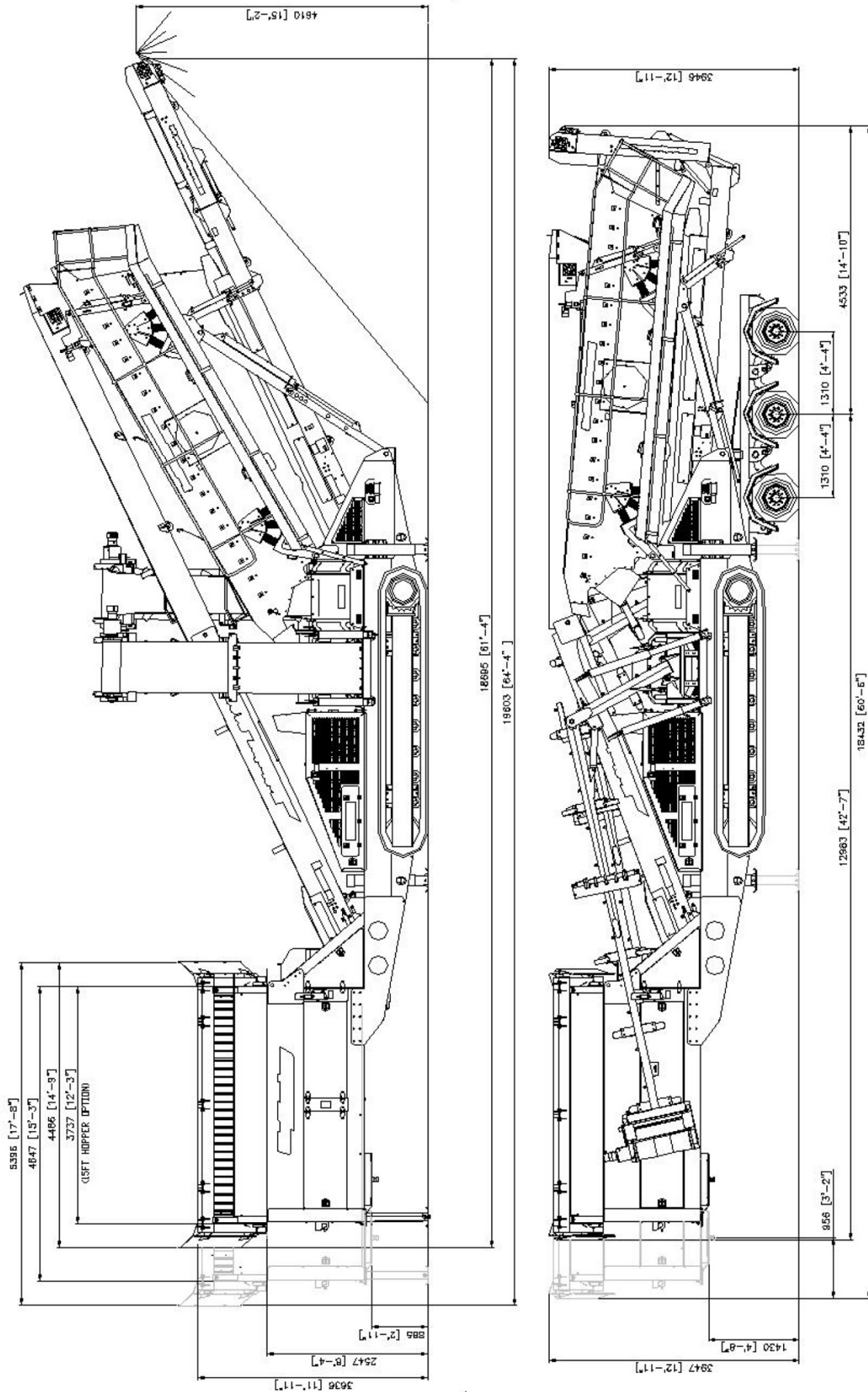
- Single or double deck live head
- Single shaft shredder
- 12ft hopper
- Crusher chute (available with 15ft hopper only)
- Radio remote control
- Auxiliary hydraulic circuit
- Dual diesel / electric power

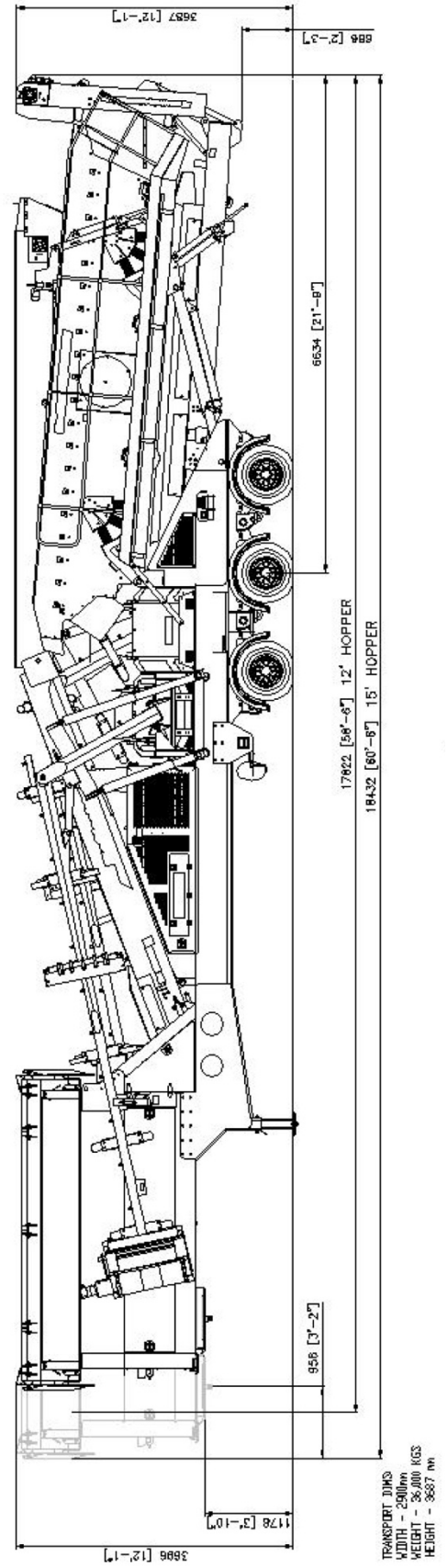
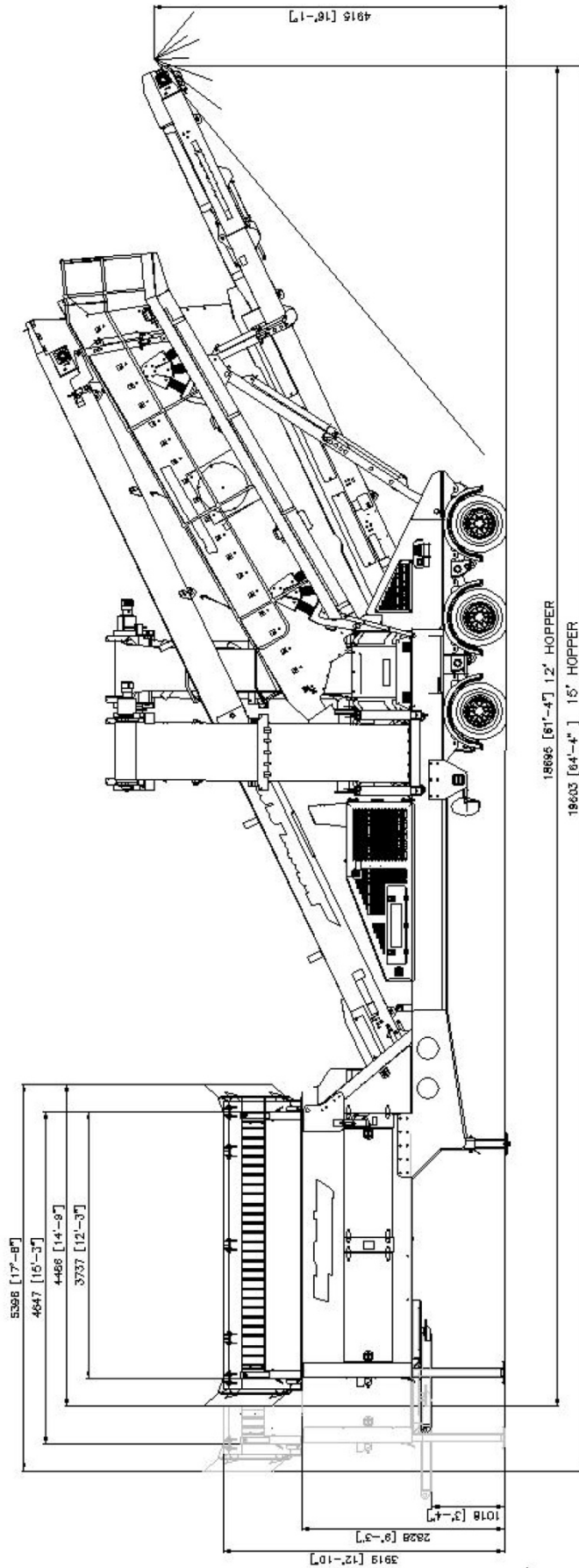
SAFETY FEATURES

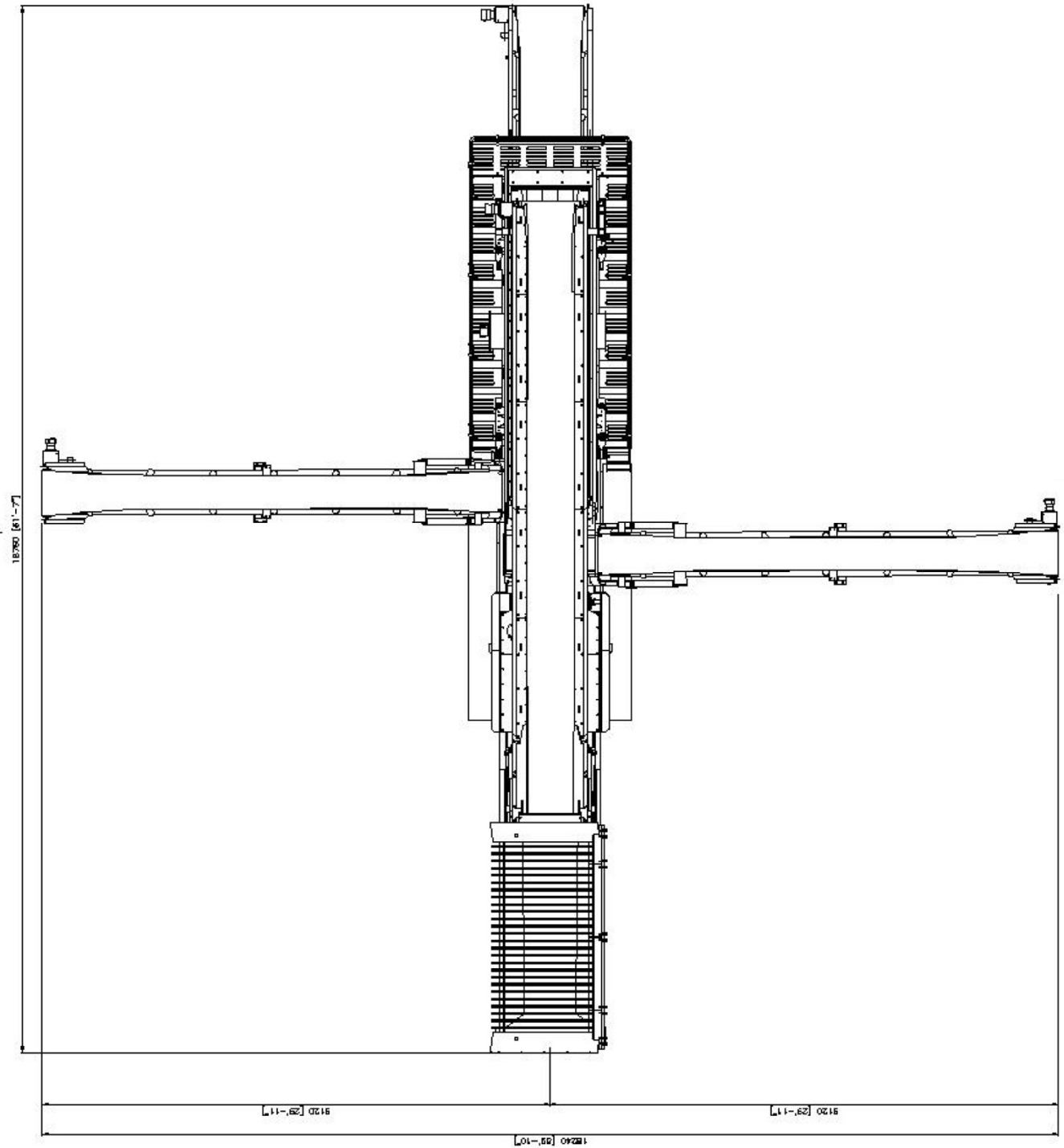
- External belt alignment points
- External grease points
- Engine safety shutdown systems
- Full safety guarding for nip points

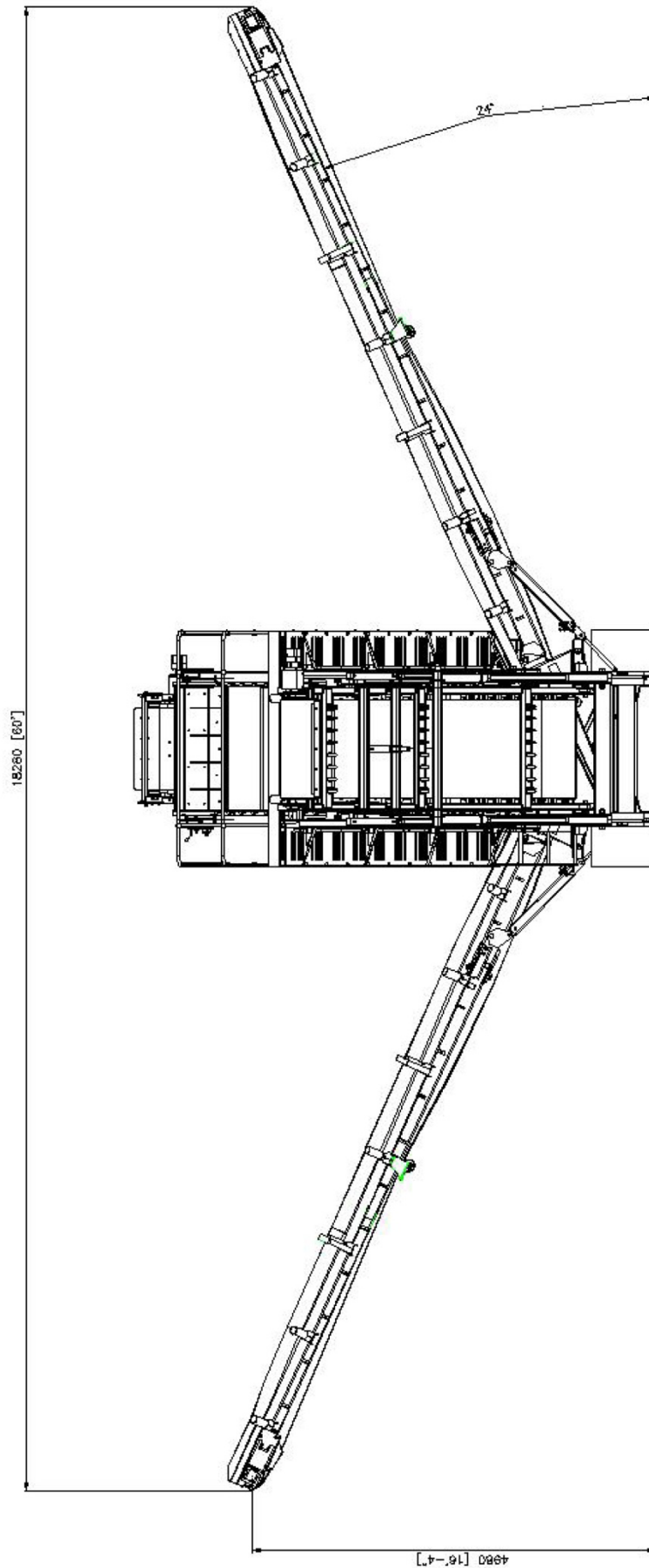


TRANSPORT DIMS
WIDTH - 2500mm
WEIGHT - 35,000 kgs
HEIGHT - 3395 mm





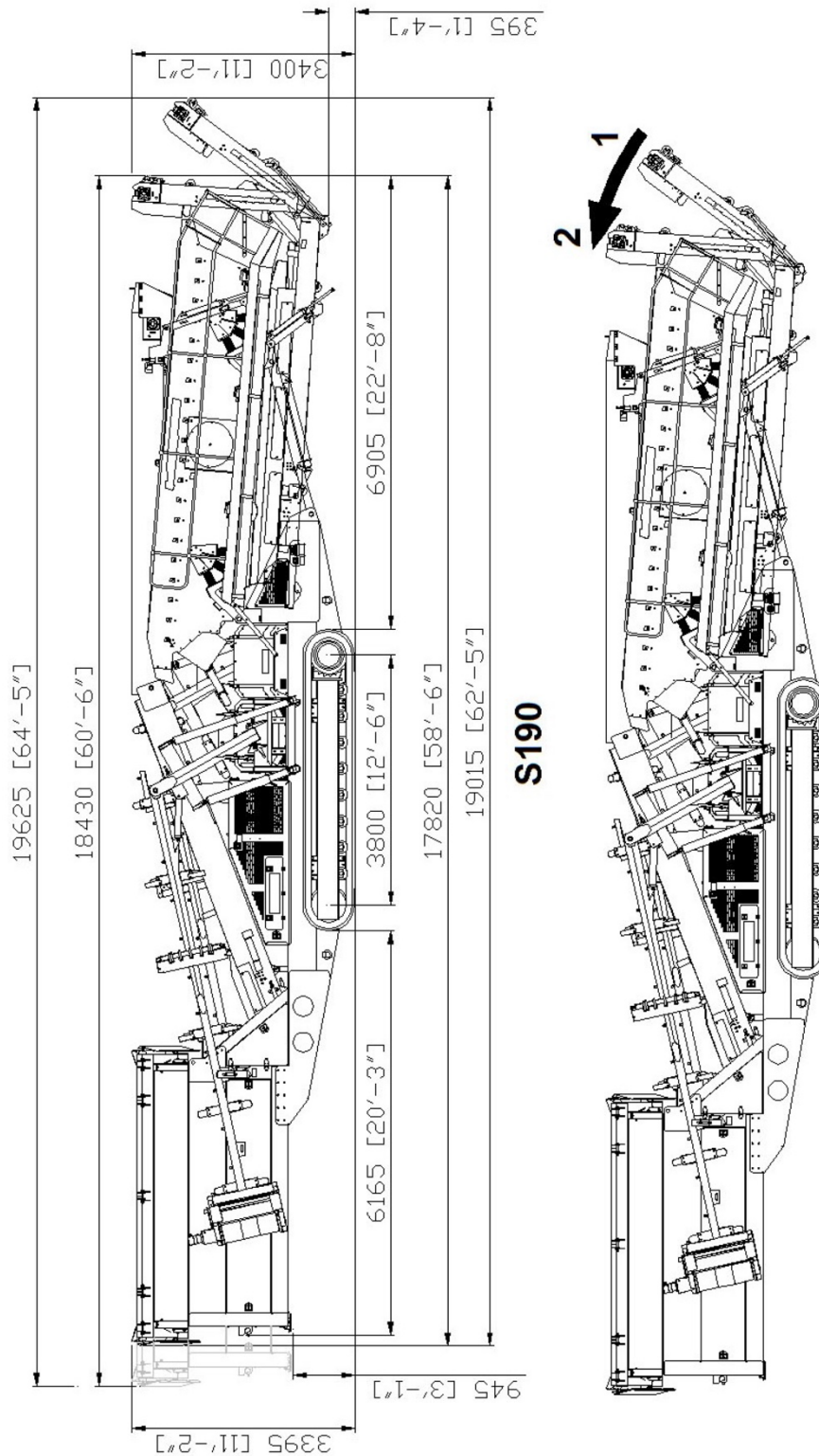




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POSITION 1 PREVENTS DAMAGE WHEN RAISING THE SCREENBOX

POSITION 2 IS THE MINIMUM LENGTH MACHINE CAN BE FOLDED TO

All specifications are current as of this pricing, but are subject to change.