

# LIPPMANN

Specifications

## L516r Mobile Screener



### DESCRIPTION

Heavy duty mobile screener with following features:

- 16x5 heavy duty high energy 2 bearing screenbox
- 130Hp diesel engine
- Track mobile
- Direct feed Hardox lined hopper
- Travel out fixed walkways
- Integrated hydraulic folding stockpiling conveyors
- Fast on site setup time - 10 minutes
- Screen raises at lower end for easy bottom deck access
- Service standing room inside Powerpack

### DIMENSIONS AND WEIGHTS

Length - working	15.21m (49' - 10")
Width - working	13.45m (44' - 1")
Length - transport	15.30m (50' - 2")
Width - transport	2.90m (9' - 6")
Height - transport	3.40m (11' - 2")
Weight - belt feeder	32,700 Kgs (72,091 lbs)
Weight - apron Feeder	35,420 Kgs (78,090 lbs)

## CAPACITIES

Diesel tank capacity	399 L (105 US gal)
Hydraulic tank capacity	630 L (166 US gal)
Capacity – hopper (level)	8.00 m <sup>3</sup> (10.48 yd <sup>3</sup> )

## BELT FEEDER CONVEYOR

Belt width	1400mm (55")
Belt spec	Heavy Duty Plain 500/4 8+2
Drive drum dia.	335mm (13.1")
Tail drum dia.	320mm (12.5")
Gearbox	Bonfig 805 W2 x 2 off
Gearbox ratio	24.2 : 1
Gearbox torque	14,000Nm cont, 25,000Nm max
Motor	Danfoss OMSS125 x 2 off
Flow rate	101.2 Lpm (26.7 US gpm)
Adjustable speed	Yes
Maximum speed	16.7 rpm

## COLLECTION CONVEYOR

Belt width	1200mm (48")
Belt spec	Plain 400/3 4+2
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6")
Motor	Danfoss OMV800
Flow rate	101.2 Lpm (26.7 US gpm)
Adjustable speed	No
Maximum speed	126.5 rpm

## TAIL CONVEYOR

Stockpile height	2.77m (9' - 1") - 3.75m (12' - 3")
Angle	12 to 24 degrees adjustable
Belt width	1400mm (55")
Belt spec	Heavy Duty Chevron - 500/3 5+1.5
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6")
Motor	Danfoss OMV800
Flow rate	72.6 Lpm (19.2 US gpm)
Adjustable speed	Yes
Maximum speed	90.8 rpm

## FINE PRODUCT SIDE CONVEYOR

Stockpile height	3.47m (11' - 5") - 3.96m (13')
Angle	20 to 25 degrees adjustable
Belt width	900mm (36")
Belt spec	Plain - 400/3 4+2
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6")
Motor	Danfoss OMT400
Flow rate	50.6 Lpm (13.4 US gpm)
Adjustable speed	Yes
Maximum speed	126.5 rpm

## MID PRODUCT SIDE CONVEYOR

Stockpile height	2.51m (8' - 3") - 3.60m (11' - 10")
Angle	14 to 25 degrees adjustable
Belt width	900mm (36")
Belt spec	Plain - 400/3 4+2
Drive drum dia.	270mm (10.6")
Tail drum dia.	200mm (8")
Motor	Danfoss OMT400
Flow rate	50.6 Lpm (13.4 US gpm)
Adjustable speed	Yes
Maximum speed	126.5 rpm

## SCREENBOX

Dimensions - top deck	4.880m x 1.525m (16' x 5')
Dimensions - bottom deck	4.575m x 1.525m (15' x 5')
Bearing type	NSK 110mm bore - 22322 EVBC4
Screens - top deck	5' x 4' side tension - 4 off
Screens - bottom deck	5' x 5' end tension - 3 off
Tensioning - top deck	Quick release pin and wedge
Tensioning - bottom deck	Curved tension bar and adjuster
Screen angle	16 to 20 degrees adjustable
Screen motor	David Brown Hyd. 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 Deutz 3.6
Engine power	130 HP
Engine speed	2200 rpm
Flywheel pump 1	David Brown Hyd. 5046,5046,5033
LH PTO pump 2	David Brown Hyd. 5023,5023
Total system flow	376 Lpm (99.3 US Gpm)
Hydraulic tank capacity	630 L (166 US gal)
Hydraulic tank ratio	1.68 : 1
Hydraulic oil cooler	Yes

## ELECTRIC POWERUNIT AND HYDRAULICS (DUAL POWERUNIT)

Electric motors (50Hz)	37kW motor
Pump 1	73cc, 51cc, (50Hz)
Pump 2	73cc, 34cc, 34cc (50Hz)
Electric motors (60Hz)	37kW motor
Pump 1	61cc, 43cc, (60Hz)
Pump 2	61cc, 27cc, 27cc (60Hz)
Control panel	Yes
Total system flow	384 L (101.4 US Gpm)
Hydraulic oil cooler	Yes

## ELECTRICS

Emergency stops	4 off, 2 powerunit RH&LH, 2 chassis front sides RH&LH
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
Radio control tracks	optional - Hetronic system
Pendant track control	Yes - plugged in at feeder end

## TRACKS

Width	500mm (19.7")
Length	3300mm (10' - 10") crs.
Height	739mm (29")
Gearbox	Bonfiglioli 709
Ratio	142:1
Motor	Rexroth A2FE 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

## OPTIONS

- Heavy duty top deck finger screen
- Bottom deck finger screen
- Top deck punch plate screen
- Bottom deck punch plate
- Top deck Bofor screen
- Radio remote control for tracks
- Plate apron feeder instead of belt feeder

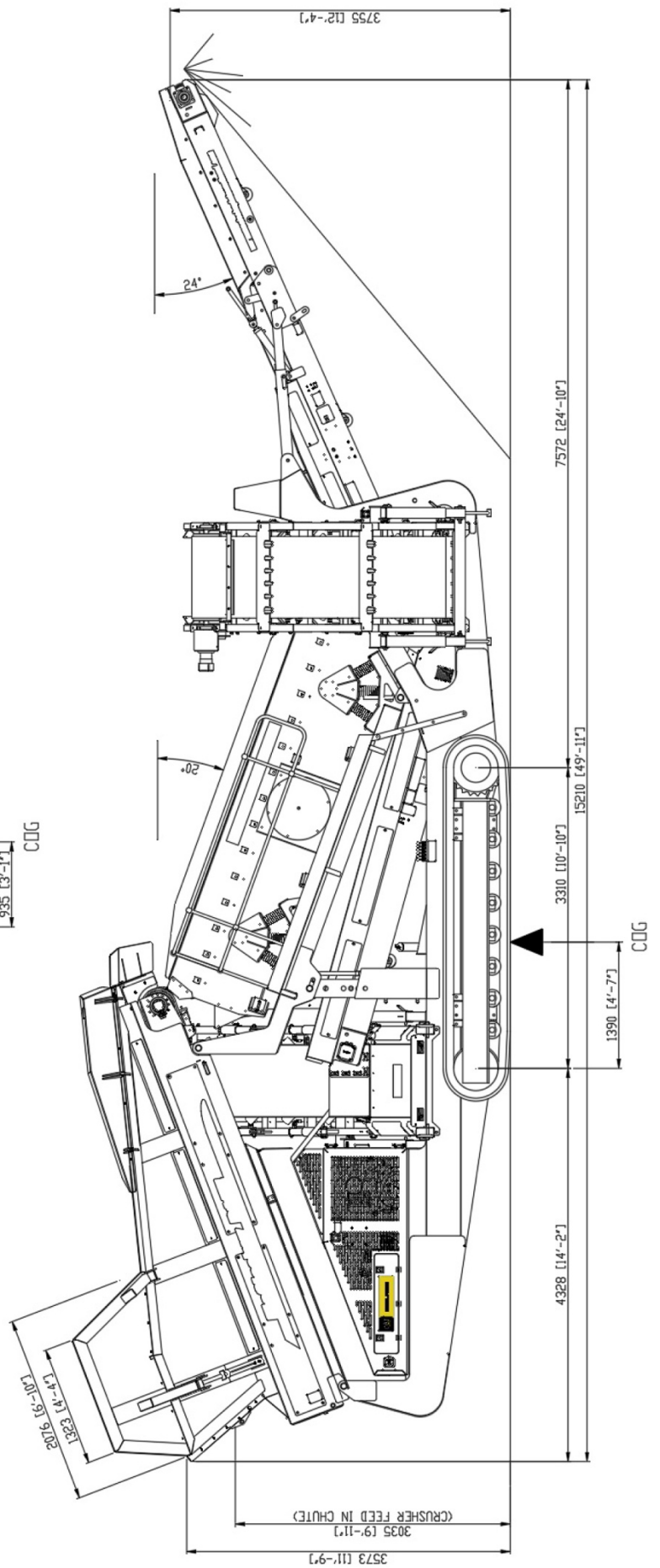
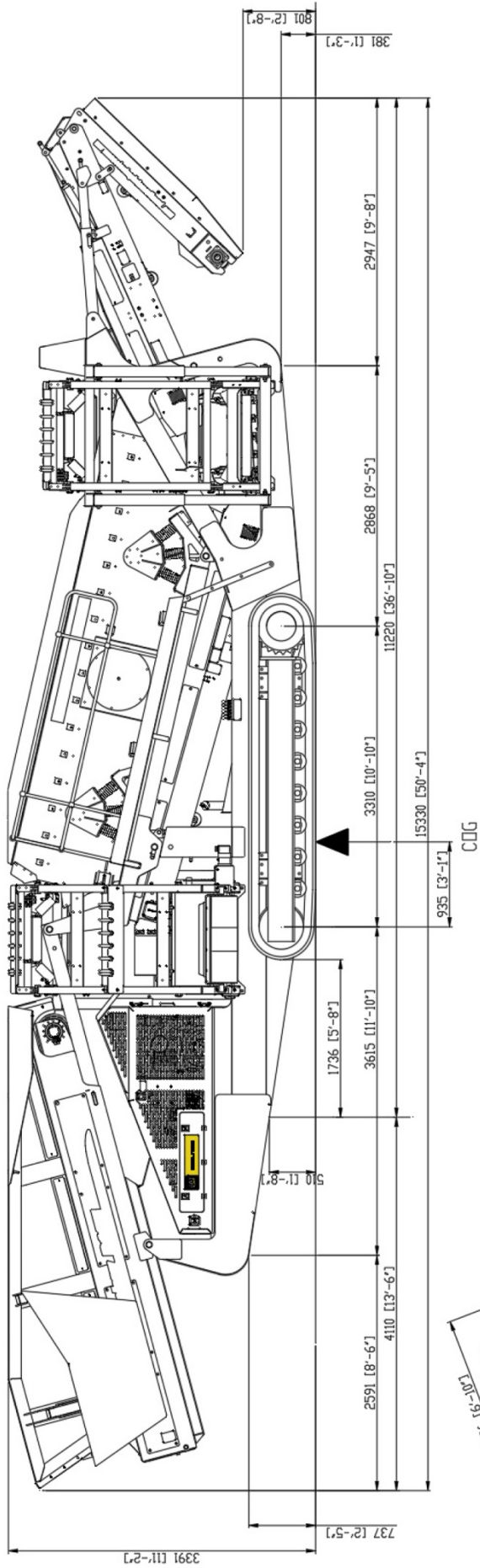
## APRON FEED CONVEYOR

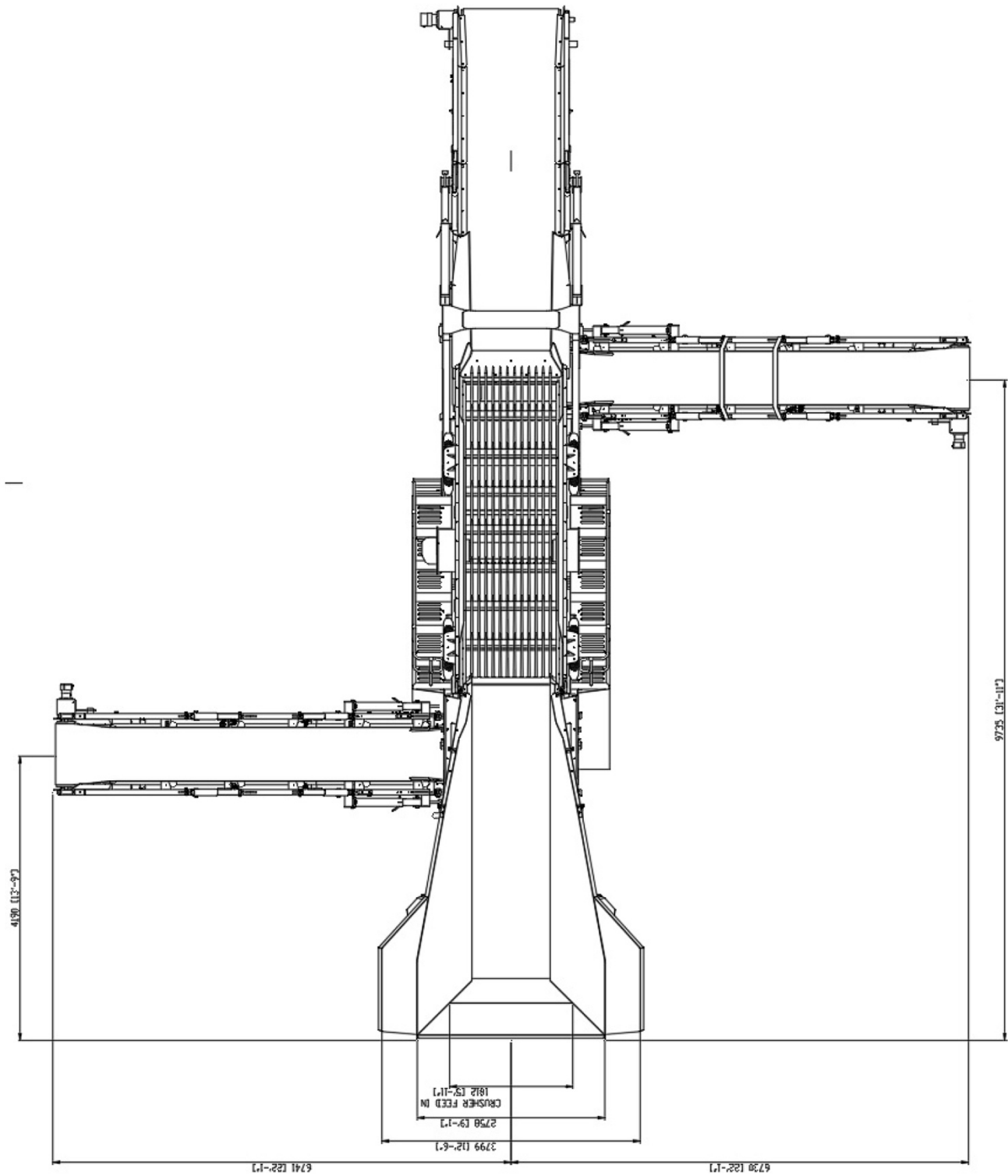
Apron width	1400mm (55")
Apron spec	10mm Hardox upper surface
Gearbox	Brevini 2090FP
Gearbox ratio	16:1
Gearbox torque 1	0,000Nm cont, 15,000Nm max
Motor	Danfoss OMTS400
Flow rate	101.2 Lpm (26.7 US gpm)
Adjustable speed	Yes
Maximum speed	15.8 rpm

## SAFETY FEATURES

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

TRANSPORT DIMENSIONS		
	METRIC	IMPERIAL
Length	15330mm	50' - 4"
Width	2900mm	9' - 6"
Height	3400mm	11' - 2"
Weight 12ft ext.	32,350 Kgs	31.83 tons
Weight 14ft ext.	32,400 Kgs	31.88 tons





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