



# 7X20 GUARDIAN<sup>®</sup> TANDEM SCREEN PLANT



## CARRIER CHASSIS

- » Wide flange main frame beams
- » Spring type suspension with (4) axles and (16) 11x22.5 radial tires
- » (8) welded blocking support legs
- » (2) swing-down kingpin support legs with screw jack leveling
- » Complete air brake system
- » Mud flaps
- » Travel lights w/ brake and directional signals
- » Fifth wheel hitch
- » Common grease points, 1-2 locations to grease entire plant
- » Safety guarding\*
- » Walkway
  - ↳ Tread plate walkway on (3) sides of each screen
  - ↳ Walkways include handrail, center rail and toe board
  - ↳ Walkway access on both sides of the chassis with steep angle stair access
  - ↳ Hydraulic folding walkway on non-drive side

## 7203 GUARDIAN HORIZONTAL VIBRATING SCREEN

- » (2) Superior 7' x 20', 3 deck screens
- » (2) 50 HP, 1200 PRM, TEFC motors (WEG)
- » Extended top deck discharge lips to feed onto cross-conveyor
- » (1) right hand drive
- » (1) left hand drive

## SCREEN DISCHARGE LIPS

- » Top deck discharge lips
  - ↳ Included with the horizontal vibrating screens
  - ↳ Each top deck chute has a four-section blending gate which directs material into the middle deck discharge chute
  - ↳ Extend to direct top deck oversize material onto 48" wide cross conveyor
  - ↳ 1/4" AR weld-in liner in wear areas
- » Middle deck discharge chutes
  - ↳ Discharges oversize materials from second deck onto the respective cross conveyor
  - ↳ Each second deck chute has a four-section blending gate which directs materials into

the bottom deck discharge chute

- ↳ 1/4" AR weld-in liner in wear areas
- » Bottom deck discharge chute
  - ↳ Discharge oversize materials from bottom deck on the cross conveyor
  - ↳ Each third deck chute has a four-section blending gate which directs materials onto the fines conveyor
  - ↳ 1/4" AR weld-in liner in wear areas

## PRIMARY SCREEN FINES CONVEYOR

- » (2) 30" conveyor to discharge screen fines to the rear of the plant
- » 15 HP, 1800 PRM, TEFC motors, Dodge reducers, V-belt drives, drive guards (WEG)
- » Exterra<sup>®</sup> SFL Primary Belt Cleaner
- » Flop gate to direct fines material to one conveyor or the other

## SECONDARY SCREEN FINES CONVEYOR

- » (1) 60" conveyor to discharge screen fines to the rear of the plant
- » Exterra<sup>®</sup> SFL Primary Belt Cleaner

## CROSS CONVEYORS

- » (3) 42" x 12' rolling and reversing - receive material from the top, middle and bottom decks, respectively, of both screens
- » Designed to slide 18" - 20" to discharge material to the outside of either side of the plant
- » 7.5 HP 1800 PRM TEFC drive motor, Dodge TXT3 reducer, V-belt drive, drive guard
- » Exterra<sup>®</sup> Belt Scrapers

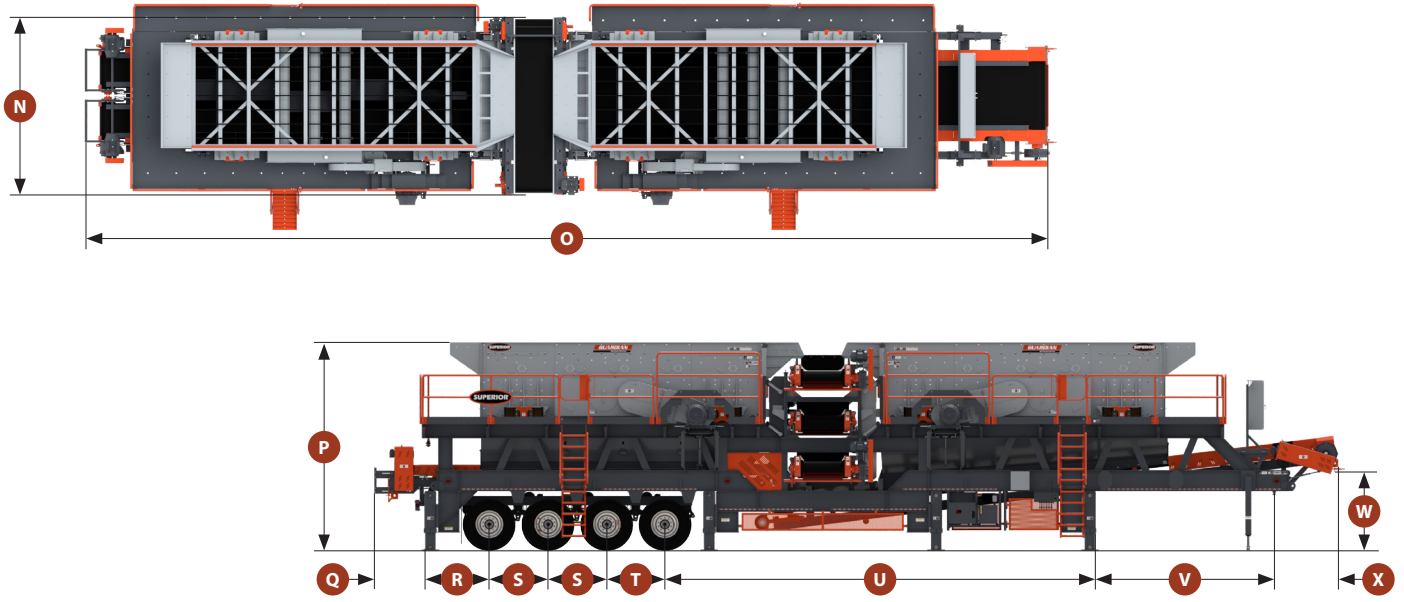
## HYDRAULIC "RUN-ON" JACKS

- » (8) hydraulic run-on jack legs with 18" stroke, HSS tubing design fully enclosed and protects hydraulic cylinders
- » Cylinders are fitted with a "Cylindrical Lock" and no mechanical pinning is required
- » Individual control valves for each leg
- » 13 HP Honda motor gasoline over hydraulic, enclosed cabinet
- » Level assist

## ELECTRICAL

- » Required power is 480 V, 3 HP, 60 Hz

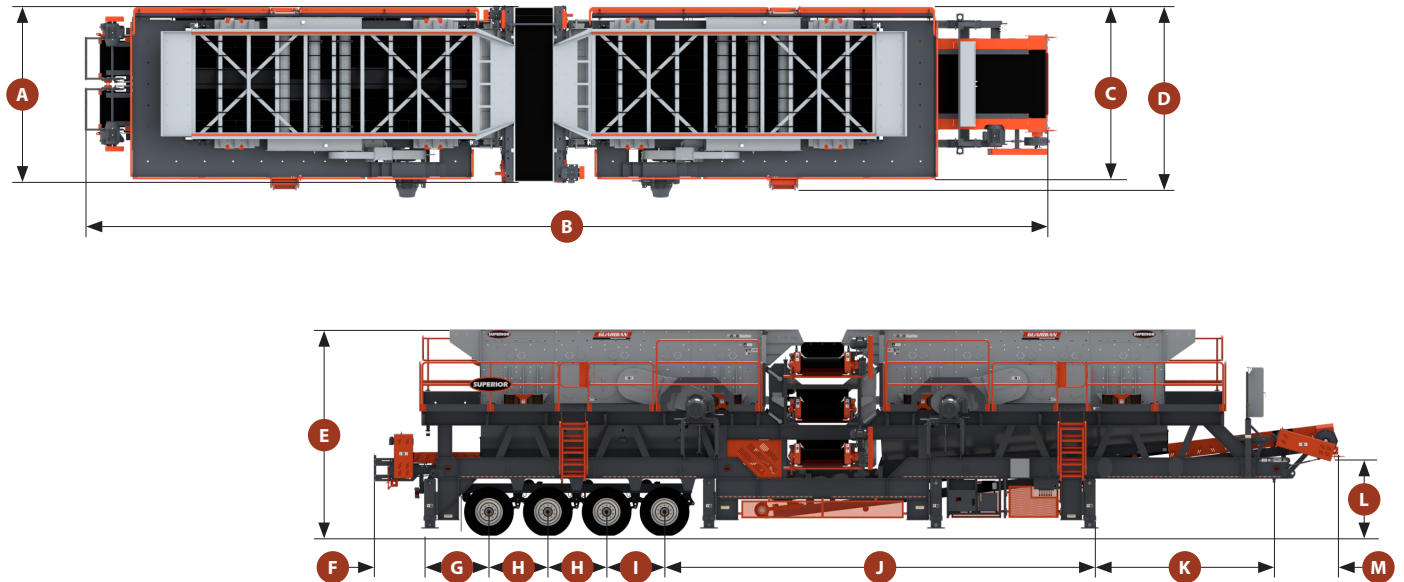
# OPERATING DIMENSIONS



OPERATION DIMENSIONS - INCHES (MM)

N	O	P	Q	R	S	T	U	V	W	X
150 (3,810)	821.5 (20,865)	173.75 (4,415)	53.5 (1,360)	44 (1,115)	49.75 (1,265)	49 (1,245)	391 (9,930)	124 (3,150)	62.5 (1,585)	60 (1,525)

# TRANSPORT DIMENSIONS



TRAVEL DIMENSIONS - INCHES (MM)

A	B	C	D	E	F	G	H	I	J	K	L	M
190 (4,825)	827 (21,005)	158 (4,015)	191 (4,850)	176 (4,470)	53.5 (1,360)	44 (1,115)	49.75 (1,265)	49 (1,245)	391 (9,930)	124 (3,150)	65 (1,650)	60 (1,525)