

# MODEL E21

## ROCKERSHOVEL LOADERS

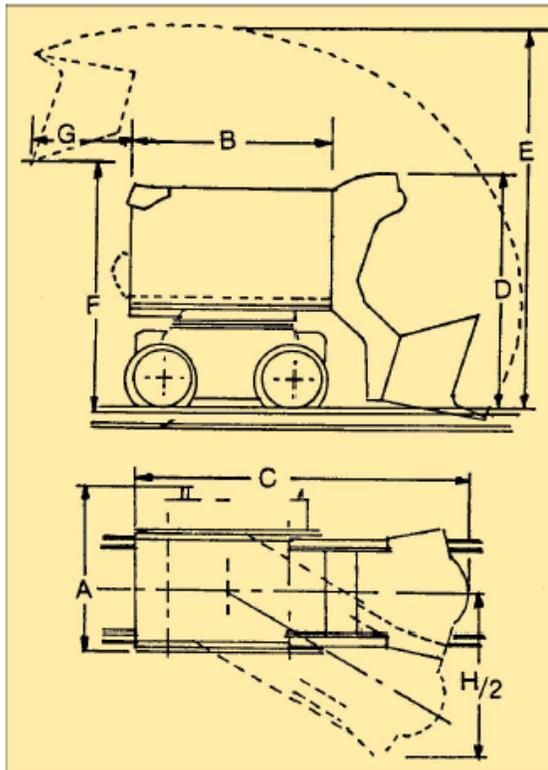
RAIL MOUNTED AIR POWERED  
LOADERS FOR SMALL AND  
MEDIUM SIZED HEADINGS



### Features:

- Dependable Rock loading
- Simple, self centred controls for easy and safe operation
- Low centre of gravity
- Easy swinging of upper deck for side digging
- Wide tread wheels with deep flanges for extra stability
- Power swing, as an option, for virtual pinpoint control of bucket position.
- For operation in gradient steeper than 1 in 6, special slope loading attachments are available on Model 21.

## SPECIFICATION



	Model 12	Model 21
A Overall width (Caging)*	735mm	851 mm
Overall operating width*	865 mm	1067 mm
B Overall length (Caging)	1120mm	1397 mm
C Overall length bucket down	1805-1980 mm	2210-2286 mm
D Overall height bucket down	1220-1295 mm	1422-1549 mm
E Headroom height (depend on cars to be loaded)	1995-2110 mm	2235-2515 mm
Headroom height (Special)	1730-1930 mm	—
F Discharge height of bucket	1170-1500 mm	1321 -1727 mm
G Discharge distance behind loader	355-610 mm	457-711 mm
H Cleanup range	1905-2110 mm	2286-2489 mm
Cleanup range with side plough	2515-2720 mm	2896-3107 mm
Range of track gauge	380-915 mm	457-1219 mm
— Air pressure range	4.2-8.8 kg/cm <sup>2</sup>	4.2-7.0 kg/cm <sup>2</sup>
— Air hose size	20-25 mm	25-32 mm
— Complete loading cycle average in seconds	6	7
— Bucket capacity	.13-.17m <sup>3</sup>	.21-.28 m <sup>3</sup>
— Loading capacity, average volume of material per minute.	0.5-1.0 m <sup>3</sup> /min.	0.99-1.41 m <sup>3</sup> /min.
— Motors (air)	2	2
— Capacity of car loaded efficiently	0.3-1.5m <sup>3</sup>	0.56-2.83 m <sup>3</sup>
— Weight completely assembled	1905 Kg.	3266 Kg.
— Weight of heaviest piece	355 Kg.	558 Kg.
— Air Consumption	250 cfm	300 cfm

\* Width varies according to track gauge. Actual width for specific track gauge on request.

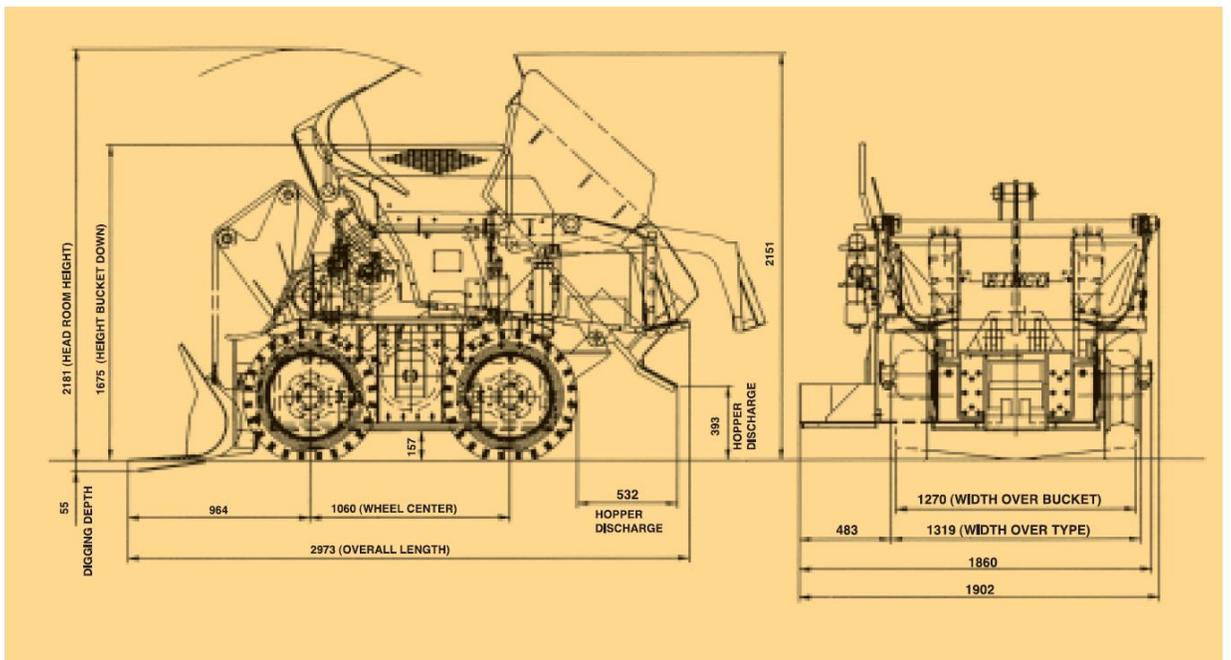
# 150/1000B MK-II HOPPER LOADER



- Heavy-duty gear train for low noise and trouble free operation.
- Sturdy and rigid operator's platform for safety and ease of operation.
- High strength and impact resistant structure.
- High productivity through higher speed, large discharge angle and high hopper discharge height.
- Low headroom permits operation in confined conditions.
- Light machine weight permits easy handling and transportation.
- Extra large bearing on gear train for longer life.
- Box type structure of arm for higher rigidity.
- Splined axles for ease of maintenance.
- Spool type valves for smooth and easy operations.

## GENERAL CHARACTERISTICS

- Bucket capacity : 0.15 Cu.M.
- Hopper capacity : 1.0 Cu.M.
- Air motor : 12 HP for each traction  
12 HP for bucket operation
- Machine speed : 1.76 m/sec.
- Operating pressure : 65-100 psi
- Machine weight : 3000 Kgs.
- Tyre size : 7.00 x 12 ( Extra molded )
- Head room height : 2180 mm
- Hopper discharge height : 395 mm



The manufacturer reserves the right to change the specification and / or design of this machine at any time without notice.  
The above dimensions are of standard machine not fitted with any optional items.