

# CASTLE

## D 1 2 SPECIFICATIONS

### GENERAL DATA

### D 1 2

Power source	Diesel
Fuel capacity	33 Gal
Load capacity in lbs	13,200 lbs
Service weight in lbs	22,374 lbs
Operator position	Seated
Mast type	Full free 3-stage mast
Towing coupling design	Drop pin in the back

### PERFORMANCE

### D 1 2

Lift speed (Full Load)	19.7 Inch/Second
Drop speed (Full load)	≤23.6 Inch/Second
Mast tilt angle	6°/6°
Top speed forward	6.5°/s
Top speed back	15°/s
Minimum turning radius	128"
Max grade with load	20%
Max grade without load	20%

### WEIGHT

### D 1 2

Total weight	22,374 lbs
Front axis load (Empty)	7,718 lbs
Back axis load (Empty)	11,302 lbs
Weight distribution full load front	89.10%
Weight distribution full load rear	10.90%
Weight distribution without load front	60.10%
Weight distribution without load rear	59.90%

### TIRES

### D 1 2

Tire type	Solid
Number of wheels front/ rear	4/2
Tire dimensions front	8.25-15-14
Tire dimensions rear	8.25-15-14
Tire pressure front	NONE
Tire pressure rear	NONE
Track width between tires front	58"
Track width between tires rear	67"
Brake type parking	Mechanical-Hand Lever
Brake type foot	Drum Brake

### ENGINE Cummins QSF3.8

### D 1 2

Rated output	73.8hp / 2500rpm
Combustion system	Direct injection
Lubrication system	Fully forced pressure feed type
Displacement	3.8L
Number of cylinders/ cubic capacity	4
Max torque at engine Speed	295 ft lbs / 1300rpm
Battery voltage v/capacity	12V/120 Ah
Noise level in decibels	92dB

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### FULL FREE LIFT 3 STAGE

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Max Fork Height (Top of Forks)	189"
Overall Height (Lowered)	90"
Overall Height (Extended)	235"
Free Lift	47"

### EXTERIOR SPECIFICATIONS

### D 1 2

<b>A</b> Lift height	189"
<b>B</b> Height from head guard	96"
<b>C</b> Lateral fork adjustment min/max	16-74"
<b>D</b> Length of Forks	72"
<b>F</b> Distance from front of forks to rear	183"
<b>G</b> Overall width	79"
<b>H</b> Mast Height (Lowered)	110"
<b>I</b> Tow coupling height	16"
<b>J</b> Max height extended top of fork	230"
<b>K</b> Front wheel distance from center	58"
<b>L</b> Rear wheel distance from center	67"
<b>M</b> Distance from wheel center to axis	89"
<b>N</b> Center front tire to fork face	23"
<b>O</b> Center rear tire to rear	24"
<b>P</b> Ground clearance to frame no load	8"
<b>Q</b> Mast tilt angle front/ rear	6°/6°
<b>R</b> Minimum turning radius	128"

