

# CASTLE

## D8000 SPECIFICATIONS

GENERAL DATA		D8000-DFT	D8000-DPT
Power source		Diesel	Diesel
Fuel capacity		18 Gal	18 Gal
Load capacity in lbs		8,818 lbs	8,818 lbs
Service weight in lbs		13,801 lbs	13,713 lbs
Operator position		Seated	Seated
Mast type		Full free 3-stage mast	Full free 3-stage mast
Towing coupling design		Drop pin in the back	Drop pin in the back
PERFORMANCE		D8000-DFT	D8000-DPT
Lift speed (Full Load)		13 Inch/Second	13 Inch/Second
Drop speed (Full load)		≤23.6 Inch/Second	≤23.6 Inch/Second
Mast tilt angle		6°/6°	6°/6°
Top speed forward		6.5°/s	6.5°/s
Top speed back		15°/s	15°/s
Minimum turning radius		106"	106"
Max grade with load		20%	20%
Max grade without load		20%	20%
WEIGHT		D8000-DFT	D8000-DPT
Total weight		13,801 lbs	13,713 lbs
Front axis load (Empty)		5,181 lbs	4,453 lbs
Back axis load (Empty)		6,896 lbs	6,790 lbs
Weight distribution full load front		89.40%	89.50%
Weight distribution full load rear		10.60%	10.50%
Weight distribution without load front		42.90%	39.60%
Weight distribution without load rear		57.10%	60.40%
TIRES		D8000-DFT	D8000-DPT
Tire type		Solid	Pneumatic
Number of wheels front/ rear		4/2	4/2
Tire dimensions front		250-15-16	250-15-16PR
Tire dimensions rear		6.50-10-10	6.50-10-10PR
Tire pressure front		NONE	135psi
Tire pressure rear		NONE	115psi
Track width between tires front		46.5"	46.5"
Track width between tires rear		42.5"	42.5"
Brake type parking		Mechanical-Hand Lever	Mechanical-Hand Lever
Brake type foot		Drum Brake	Drum Brake
ENGINE Doosan D24		D8000-DFT	D8000-DPT
Rated output		65hp / 2600rpm	65hp / 2600rpm
Combustion system		Direct injection	Direct injection
Lubrication system		Fully forced pressure feed type	Fully forced pressure feed type
Displacement		2.392L	2.392L
Number of cylinders/ cubic capacity		4	4
Max torque at engine Speed		158 ft lbs / 1600rpm	158 ft lbs / 1600rpm
Battery voltage v/capacity		12V/120 Ah	12V/120 Ah
Noise level in decibels		92dB	92dB

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### FULL FREE LIFT 3 STAGE

### D8000-DFT

### D8000-DPT

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

### EXTERIOR SPECIFICATIONS

### D8000-DFT

### D8000-DPT

<b>A</b> Lift height	189"	189"
<b>B</b> Height from head guard	83"	83"
<b>C</b> Lateral fork adjustment min/max	14-82"	14-82"
<b>D</b> Length of Forks	48"	48"
<b>F</b> Distance from front of forks to rear	162"	162"
<b>G</b> Overall width	78"	78"
<b>H</b> Mast Height (Lowered)	90"	90"
<b>I</b> Tow coupling height	13"	13"
<b>J</b> Max height extended top of fork	235"	235"
<b>K</b> Front wheel distance from center	39"	39"
<b>L</b> Rear wheel distance from center	43"	43"
<b>M</b> Distance from wheel center to axis	75"	75"
<b>N</b> Center front tire to fork face	19"	19"
<b>O</b> Center rear tire to rear	19"	19"
<b>P</b> Ground clearance to frame no load	6"	6"
<b>Q</b> Mast tilt angle front/ rear	6°/6°	6°/6°
<b>R</b> Minimum turning radius	106"	106"

