

Units

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Doosan DL300-5

Configuration US10 US20

## Engine

Model	DL08
Rated Flywheel Power (Gross)	270.9 hp @ 1,800 rpm
Rated Horse Power (Net)	270.9 hp @ 1,800 rpm
Max. Torque (Net)	940 lbf-ft @ 1,300 rpm
Engine Emissions Tier (EPA)	T4
Engine After Treatment	SCR (Selective Catalytic Reduction)
Engine Make	Doosan
Engine Name	DL08
Engine Number of Cylinders	6
Engine Displacement	7,640 cm <sup>3</sup>

## Hydraulic System

Main Pump: Displacement	74 cm <sup>3</sup> /rev
System Pressure: Work	254.93 kgf/cm <sup>2</sup>
Boom Speed - Up (Loaded)	5.3 s (±0.5 s)
Boom Speed - Down	2.5 s (±0.4 s)
Bucket Speed - Dump	1.3 s (±0.3 s)
Main Pump: Max. Flow Rate (each)	38.3 gal/min
Main Pump: Quantity	1
Main Pump: Main Relief Pressure	250 bar
Total Cycle Time	9.1 s (±0.5 s)

## Undercarriage

Tire Size	23.5-R25 (L3)
Tread Width	7' 0"

## Travel System/Drive Mechanism

Travel performance: Gradeability	27° @ 51 %
Traveling performance: Max. Tractive Effort	40,565 lb

## Weights

Operating Weight	41,502 lb	42,441 lb
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## Dimensions

<b>Bucket Capacity</b>		3.2 m <sup>3</sup>
<b>Bucket Width</b>		9' 6"
<b>Hinge Pin Height</b>	13' 0"	14' 10"
<b>Dump reach at 45° (fully raised)</b>	3' 9"	3' 10"
<b>Dump height at 45° (fully raised)</b>	9' 4"	11' 1"
<b>Overall Height</b>		11' 4"
<b>Overall Length</b>	26' 6"	28' 2"
<b>Wheel Base</b>		10' 5"
<b>Ground Clearance</b>		1' 6"
<b>External Turning Radius at Bucket Edge</b>	21' 0"	21' 9"
<b>Static Tipping Load (Straight)</b>	33,061 lb	26,918 lb
<b>Static Tipping Load (Full Turn)</b>	29,194 lb	23,766 lb
<b>Breakout Force</b>	37,768 lbf	36,644 lbf
<b>Rear Axle Oscillation</b>		24°
<b>Digging Depth</b>	4"	9"

## Transmission

<b>Speeds Fwd</b>		4
<b>Speeds Rev</b>		3
<b>Travel Speed Forward - 1st gear</b>		3.85 mph
<b>Travel Speed Forward - 4th gear</b>		22.49 mph
<b>Final Drive</b>		Planetary-Outboard
<b>Differential Type</b>		Limited Slip

## Refill Capacities

<b>Fuel Tank</b>		67.63 gal
<b>Cooling System</b>		11.89 gal
<b>Hydraulic System</b>		56.8 gal
<b>Hydraulic Tank</b>		45.7 gal
<b>DEF / Ad blue Tank</b>		15.85 gal
<b>T/C and T/M</b>		11.1 gal

Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors.

