

# Cat® D6N WH

## Waste Handler



***From pushing trash to spreading cover, and cell construction to closing, Cat® Waste Handlers are designed and manufactured from the frame up to take on the demands of landfill work.***

### Durability

- Specialized guarding throughout the machine helps protect major components like the chassis, fuel tank and hydraulic tank from impact and airborne debris.
- Multi-layer final drive guards help keep dirt and debris away from the Duo-Cone™ seal to protect final drive oil.
- Pivot shaft seal guards to help prevent debris from entering and damaging seals.
- Striker bars help prevent debris from damaging the machine, and added seals help reduce the amount of material entering engine and transmission compartments.
- Tilt cylinder with rotating bushing type design help wrapping materials to roll off hoses.
- Heavy duty hinged radiator guard protects radiator and fan from penetration by material coming straight in or from under the blade.
- Cooling system designed for high debris environments, with automatic reversing fan and swing-out access for cleanout.
- Laminated thermal shields and insulated Clean Emissions Module.
- Hinged belly guard for easy cleaning.
- Landfill blades and center-hole track shoes help you optimize your waste handler for the job.
- Lights mounted up and away from main debris area for protection, while still giving you plenty of light on the work area.

### Performance

- New transmission with a lock-up clutch torque converter automatically selects the drive mode best suited to your application.
- Up to 15% improvement in fuel efficiency and 10% more productivity\* in most applications.
- Enhanced Auto Shift (S) helps save fuel by automatically upshifting/downshifting to maintain the most efficient gear based on load. Three different settings, 3-speed, 6-speed and fine adjustment mode, allow you to optimize tractor performance for waste applications.

- Comfortable, quiet operator station with excellent visibility and air handling features to help keep dust out/provide air filtration.
- Low effort, responsive controls for precision and ease of operation.
- Selectable electro-hydraulic maps let you set implement response to match operator preferences and application.
- Rear vision camera available to enhance visibility behind the machine.
- Meets U.S. EPA Tier 4 Final/EU Stage IV/Korea Tier 4 Final emission standards with emissions technology that is transparent – no action required from the operator, no stopping for regeneration.

### Cat Connect Technology

- Cat **GRADE with Slope Assist (S)** automatically maintains pre-established blade angles to save time, increase finish quality and reduce operator effort, especially for cover work. Experienced operators can work more productively; less experienced operators can achieve better quality results more quickly.
- Cat **Slope Indicate (S)** shows cross slope and mainfall on the primary machine display to help operators work more confidently.
- Cat **GRADE with 3D (O – available late 2016)** is an integrated grade control system that helps operators grade with more accuracy and efficiency. Antennas mount on top of the cab – not on the blade – so they are safely out of the way of landfill debris.
- Cat **AccuGrade™ (O)** machine control and guidance option helps operators improve productivity and accuracy by as much as 50% over conventional methods.
- Cat **AccuGrade Ready Option (ARO) (O)** allows you to easily install or upgrade to Cat AccuGrade 2D and 3D grade-control systems to add versatility and resale value to your machine.
- Remote monitoring with **Product Link™/VisionLink®** helps you manage your fleet more effectively and profitably.

(S) = Standard

(O) = Optional

\*Compared to previous D6N model.

# Cat® D6N WH Waste Handler

Engine		
Engine Model	Cat C7.1 ACERT™	
Emissions	Tier 4 Final/Stage IV/ Korea Tier 4 Final	
Net Power (Rated – 1,800 rpm)		
ISO 9249/SAE J1349	124 kW	166 hp
ISO 9249/SAE J1349 (DIN)	168 hp	
Net Power (Maximum – 2,200 rpm)		
SAE J1995	136 kW	182 hp
ISO 14396	133 kW	178 hp
ISO 14396 (DIN)	180 hp	
Bore	105 mm	4.1 in
Stroke	135 mm	5.3 in
Displacement	7.1 L	433 in <sup>3</sup>

• All non road Tier 4, Stage IIIB and IV, and Korea Tier 4 Final diesel engines are required to use only Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm (EPA), 10 ppm (EU) (mg/kg) sulfur or less. Biodiesel blends up to B20 (20% blend by volume) are acceptable when blended with 15 ppm (mg/kg) sulfur or less ULSD. B20 should meet ASTM D7467 specification (biodiesel blend stock should meet Cat biodiesel spec, ASTM D6751 or EN 14214). Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specification are required. Consult your OMM for further machine specific fuel recommendations.

• Diesel Exhaust Fluid (DEF) used in Cat Selective Catalytic Reduction (SCR) systems must meet the requirements outlined in the International Organization for Standardization (ISO) standard 22241.

	Blades			
	Capacity (SAE J1265)		Width (over end bits)	
XL VPAT Landfill*	6.34 m <sup>3</sup>	8.29 yd <sup>3</sup>	3120 mm	10.23 ft
XL VPAT	3.3 m <sup>3</sup>	4.3 yd <sup>3</sup>	3272 mm	10.75 ft
XL SU	4.3 m <sup>3</sup>	5.6 yd <sup>3</sup>	3154 mm	10.33 ft
LGP VPAT Landfill*	5.65 m <sup>3</sup>	7.39 yd <sup>3</sup>	3929 mm	12.89 ft
LGP VPAT	3.9 m <sup>3</sup>	5.1 yd <sup>3</sup>	4080 mm	13.38 ft

\*Blade capacity with trash rack.

	Weights			
	Operating Weight		Shipping Weight	
XL Waste Handler	18 515 kg	40,818 lb	18 157 kg	40,029 lb
LGP Waste Handler	20 298 kg	44,749 lb	19 796 kg	43,642 lb

Transmission					
0.5 Forward	2.5 km/h	1.6 mph	0.5 Reverse	3.1 km/h	1.9 mph
0.7 Forward	2.8 km/h	1.7 mph	0.7 Reverse	3.4 km/h	2.1 mph
1.0 Forward	3.3 km/h	2.1 mph	1.0 Reverse	4.1 km/h	2.5 mph
1.5 Forward	4.4 km/h	2.7 mph	1.5 Reverse	5.4 km/h	3.4 mph
1.7 Forward	4.9 km/h	3.0 mph	1.7 Reverse	6.0 km/h	3.7 mph
2.0 Forward	5.8 km/h	3.6 mph	2.0 Reverse	7.1 km/h	4.4 mph
2.5 Forward	7.5 km/h	4.7 mph	2.5 Reverse	9.5 km/h	5.9 mph
2.7 Forward	8.3 km/h	5.2 mph	2.7 Reverse	10.5 km/h	6.5 mph
3.0 Forward	9.8 km/h	6.1 mph	3.0 Reverse	12.2 km/h	7.6 mph

Dimensions				
	XL		LGP	
Track Gauge	1890 mm	74.4 in	2160 mm	85.0 in
Width of Tractor (without trunnions)	2500 mm	98.4 in	3000 mm	118.0 in
Machine Height from Tip of Grouser to Exhaust Stack	3108 mm	122.4 in	3222 mm	126.9 in
Length of Track on Ground	2581 mm	101.6 in	3110 mm	122.7 in
Length of Basic Tractor (with drawbar)	3995 mm	157.3 in	4222 mm	166.2 in
With SU Blade add:	1185 mm	46.7 in	N/A	
With Ripper (with tip at ground line) add:	957 mm	37.7 in	957 mm	37.7 in
Height of Grouser	66 mm	2.6 in	57 mm	2.2 in
Ground Clearance	364 mm	14.3 in	477 mm	18.8 in
Ground Pressure	46.1 kPa	6.7 psi	31.2 kPa	4.5 psi

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