



# MODEL 45 DK

## ADVANCED DATA SHEET

**DETAILS**

**Model Name**

Model 45 DK

**Model Title**

60" shaft tracked primary shredder

**Category**

Shredders

**Type**

Dual Shaft

**Brand**

Olnova

**Description**

<p>The Olnova Model 45 is designed for wood and construction waste recycling, including the shredding of wood pallets, tree roots, and construction waste. The Model 45 DK is mobile, offering exceptional versatility for recycling operations and seamless mobility within project sites, its adaptability makes it particularly well-suited for outdoor projects, ensuring efficiency and convenience in various work environments.</p><p>The Olnova 45 DK is powered by a diesel, This slow-speed shredder features a quick shaft replacement system and large access doors, ensuring maintenance is straightforward and efficient. The hydraulic side combs remain a key feature, allowing operators to control the output size precisely to meet specific requirements. Additionally, the Olnova Model 45 DK is outfitted with a reverse shaft system to prevent blockages effectively.</p><p>The Olnova Model 45 sets a new benchmark in sustainability and operational excellence for recycling processes.</p>

**PROCESSED MATERIALS**

- Construction waste
- Green Waste
- Pallets
- Plastic
- Scrap Metal
- Tires
- Wood

**RECOMMENDED USE**

**Best For** Shredding materials like green and dry wood, tree roots, pallets, tires, cable spools, C&D waste.

**Good For** Medium-scale projects needing a mobile shredder.

**Not Built For** Extremely high-volume industrial shredding needing larger machines.

**Best Loader** Large excavator with grapple/thumb

**KEY SPECIFICATIONS**

**Engine Type** CAT C4.4 140 kW Tier 4

**Size Out** 4.72"- 7.87"

**Ton per hour** 5 - 15 tph

**OTHER SPECIFICATIONS**

|                                   |                           |
|-----------------------------------|---------------------------|
| <b>Engine Power</b>               | 147.512 hp                |
| <b>Feed Height</b>                | 9'2.5"                    |
| <b>Mobility</b>                   | Mobile / Tracked          |
| <b>Operating Weight</b>           | 24,250 lb                 |
| <b>Shaft Length</b>               | 60"                       |
| <b>Size In</b>                    | 59.1"                     |
| <b>Stockpile Height</b>           | 8'10.3"                   |
| <b>Torque</b>                     | 6,638 lbf-ft              |
| <b>Transport Size (L x W x H)</b> | 19'0.3" X 5'6.9" X 7'0.3" |
| <b>Working Size (L x W x H)</b>   | 24'7.8" X 5'7.3" X 9'2.5" |

## FEATURES

- Reversible Fans For Radiator Cleaning
- Vibro- separating material system
- Optional electric powered model - save money on fuel
- Operate indoors for specialized operations
- Quickly replace shafts
- Hydraulically controlled side combs to control output size
- Overbelt magnet to remove metal from final product
- Reverse mode for unclogging the machine and working with sticky materials
- Hydraulic discharge conveyor
- Remote performance analysis and troubleshooting worldwide

## FAQ

### **What is the difference between universal shafts and C&D shafts?**

Universal shafts have sharp edges for cutting wood and tires, while C&D shafts have blunt rectangular ends for pulverizing. Using universal shafts for C&D wears edges quickly, needing frequent change