



# MODEL 5 E

## ADVANCED DATA SHEET

DETAILS

**Model Name** Model 5 E

**Model Title** 60" shaft static electric primary shredder

**Category** Shredders

**Type** Dual Shaft

**Brand** Olnova

**Description**

The Olnova Model 5E is the electric variant of the original Model 5, designed for wood and construction waste recycling, including the shredding of wood pallets, asphalt, and concrete. The Model 5E is static, making it an eco-friendly and stationary solution for recycling operations. As the Olnova Model 5E is powered completely by electric, it is particularly suitable for indoor use, eliminating emissions concerns and making it highly versatile in recycling operations. This eco-friendly option not only underscores a commitment to sustainability but also offers lower operational costs due to its electric design. 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 5E is outfitted with a reverse shaft system to prevent blockages effectively. It supports three distinct shredding modes—wood, universal, and asynchronous—catering to a wide range of material processing needs. Equipped with 'Industry 4.0' capabilities, the Model 5E offers remote performance analysis, customer feedback, and troubleshooting, enabling operations from anywhere in the world. The Olnova Model 5E sets a new benchmark in sustainability and operational excellence for recycling processes.

**PROCESSED MATERIALS**

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

**RECOMMENDED USE**

<b>Best For</b>	Shredding materials like C&D waste, concrete, soft metal and asphalt. Contractors who need an electric shredder for indoor applications.
<b>Good For</b>	Medium-scale projects needing a static shredder. Tires and small metal goods.
<b>Not Built For</b>	Extremely high-volume industrial shredding needing larger machines. Applications where a tracked unit would be better suited. Hard metals.
<b>Best Loader</b>	Large excavator with grapple/thumb

**KEY SPECIFICATIONS**

**Engine Type** Electric Motor

**Size Out** Up to 2.40"

**Ton per hour** Up to 100 tph

**OTHER SPECIFICATIONS**

**Engine Power** 214.6 hp

**Feed Height** 10'8"

**Mobility** Static

**Operating Weight** Up to 33,070 lb

**Shaft Diameter** 60"

**Size In** 50"

**Stockpile Height** 11'2"

**Transport Size (L x W x H)** 22'1" X 6'8" X 9'

**Working Size (L x W x H)** 22'1" X 6'8" X 10'6"

## FEATURES

- Electric powered - save money on fuel
- Operate indoors for specialized operations
- Cost-saving and efficient electric motor
- 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
- 3 Shredding modes : wood / universal / asynchronous
- 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