

Center Pivot Irrigation System with UMC Gearbox and Komet Endgun

This center pivot irrigation system ensures efficient water distribution across large agricultural fields. It features a reliable gearbox and endgun for optimal coverage.



ADDITIONAL IMAGES



Overview



A large-scale center pivot system providing uniform water distribution across a crop field.

Advanced Large-Scale Irrigation

The CP600 Center Pivot system is a high-capacity, automated irrigation solution designed for diverse crops including corn, wheat, alfalfa, and potatoes. It maximizes productivity by covering up to 1200 acres with a single unit while reducing water consumption by 30% to 50%. This system integrates high-quality mechanical components to ensure 90% spray uniformity and reliable long-term performance in demanding agricultural environments.

Key Performance Metrics

Performance Highlights

50 %

Water Saving Up To

90 %

Spray Uniformity

50 %

Yield Increase Up To

1200 acres

Max Coverage

Mechanical Components



Precision-engineered gearbox ensuring reliable power transmission for the drive towers.

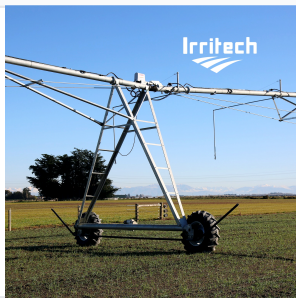


Durable drive components designed to withstand continuous operation and harsh environmental exposure.

Drive & Transmission

Component	Specification Options
Motor	25.5:1 (1.5hp) or 40:1 (0.75hp)
Gearbox	50:1 or 52:1 Ratio
Couplers	Genuine UMC heavy-duty
Collector Rings	Genuine UMC

Structure & Spans



Robust wheeled tower assembly designed for stability and consistent movement across various soil types.



The central pivot point serves as the anchor for the rotating spans, managing water intake and power distribution.

Span & Pipe Details

Feature	Dimensions/Specs
Center Pivot Pipe	6 5/8" (168mm) or 8 5/8" (219mm)
Span Pipe Diameter	5" (127mm), 6 5/8" (168mm), or 8" (203mm)
Span Lengths (m)	37.5, 43.3, 49.1, 54.9, or 60.7
Overhang Lengths (m)	2.7, 5.5, 8.2, 11, 16.5, 19.5, or 25

Control & Safety



The system features high-efficiency sprinklers and automated controls to optimize water usage.

Control System Features

- Stainless steel customizable control panel
- Visual indicator light for safety circuit breaks
- Night-operation LED safety light
- QR code integration for troubleshooting videos
- Honeywell micro switches and Schneider contactors
- UL Recognized terminal blocks

System Capabilities

Integrated Functions

Irrigating, Seeding, Fertilizing, Automated Running, Climate Adjustment

Hardware & Electrical

Electrical & Hardware

- Armored Cable (UL Certified)
- 14.9-24 or 11.2-24 Tire Specifications
- Vacuum and inner tube included
- Komet/Senninger sprinkler compatibility
- High-performance Endgun for perimeter coverage