

CHCNAV

CHCNAV HG100

**HARVESTER ROW
GUIDANCE SYSTEM**



**PRECISION
AGRICULTURE**



The CHCNAV HG100 row guidance is an assisted steering system designed specifically for harvesters. Using advanced crop-row sensors, it detects the actual path of the rows and automatically steers the harvester to stay centered. The HG100 minimizes crop losses, reduces operator fatigue, and eliminates the need for constant manual steering corrections during harvest.

HANDS-FREE OPERATION

The HG100 automatically follows the real crop rows, delivering a true hands-free harvesting experience without requiring guideline setup or line shifting.

AVOID CROP DAMAGE

Field rows often drift from the original guidance lines. Sensors mounted directly on the header dividers detect the actual crop rows and automatically guide the harvester, preventing crop losses and damage.

CONSISTENT OPERATION

Operators can maintain optimal speed without slowing down or constantly adjusting steering to avoid crop collisions. The HG100 ensures smooth, consistent operation throughout the entire harvest.

DUAL WORKING MODES

When paired with the CHCNAV NX600 Series GNSS auto-steering system, the HG100 allows seamless switching between Row Guidance Mode and GNSS Auto-Steering Mode, providing flexibility to adapt to different field and crop conditions.

SPECIFICATIONS

Row Spacing Adaptability	Standard rod: 52–60 cm; Extended rod: 40–80 cm	Operating Temperature Range	-20°C ~ +70°C
Maximum Guidance Deflection Angle	±40 degrees	Protection Rating	IP67
Control Accuracy	±8 cm		
Speed Range	Up to 15 km/h		
Power Supply	9–36 V		
Port	CAN		
Storage Temperature	-40°C ~ +85°C		

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