



4280DE

ELECTRIC MOTOR GRADER

BATTERY TYPE	LFP
RATED STORAGE ENERGY	423 kWh
OPERATING WEIGHT	24,000 kg
STANDARD MOLDBOARD SIZE	4,270x645x25 mm
MAX. BLADE PULL	123 kN
MINIMUM TURNING RADIUS	7,500 mm



B A T T E R Y E L E C T R I C V E H I C L E

TOUGH WORLD. TOUGH EQUIPMENT.

4280DE

SPECIFICATIONS >>>

POWER BATTERY

Battery Type	LFP
Rated Storage Energy	423 kWh
Nominal Voltage	618 V
System Voltage	DC 24 V
Protection Level	IP67
Recommended Charger Pile	120 ~ 320 kW
Charging Time (240 kW Charging Pile)	≤ 95 min (SOC12% ~ 95%)

DRIVE MOTOR

Peak Power	160 kW
Protection Level	IP67
Ambient Temperature	-40 ~ 85°C
Cooling Type	Intelligent temperature control, liquid cooling
Altitude	≤ 5,000 m

HYDRAULIC MOTOR

Peak Power	70 kW
Protection Level	IP67
Ambient Temperature	-40 ~ 85°C
Cooling Type	Intelligent temperature control, liquid cooling
Altitude	≤ 5,000 m

TRANSMISSION

Manufacturer	LiuGong
Number of Speeds, fwd / rev	6 / 4
Maximum Travel Speed, fwd	40 km/h
Maximum Travel Speed, rev	26.5 km/h
Transmission Type	Planetary electronically controlled shift

AXLES

Type	NAF wet axle
Axle Oscillation	± 15°
Tire Size	20.5R25★L-3

WORKING HYDRAULICS

System	Variable single pump
Operation	Dual electric-control joystick
Work Pump	Variable pump
Work Pressure	21 MPa

STEERING HYDRAULICS

System	Load-sensing
Steering Relief Pressure	16.7 MPa

BRAKES

Service Brake Type	Dual circuit full hydraulic brake
Service Brake Actuation	Hydraulic wet brake
Service Brake Pressure	6.2 MPa
Parking Brake Type	Disk (electronic control)
Parking Brake Actuation	Electro-hydraulic control

PERFORMANCES

Operating Weight	24,000 kg
Standard Moldboard Size	4270x645x25 mm
Machine Power	230 kW
Max. Blade Pull (f=0.75)	123 kN
Minimum Turning Radius	7,500 mm
Steering Angle	±50°
Front Axle, Wheel Lean Angle	±18°
Front Axle Oscillation	±16°
Ground Clearance-Front Axle	545 mm
Maximum Lift Height above Ground	500 mm
Maximum Depth of Cut	838 mm
Maximum Sloping Angle	90°
Circle Rotation	360°
Moldboard Side Shift, left /right	575 / 825 mm
Bank Cut Angle	28° ~ 71°
Frame Articulation Angle	±27°

DIMENSIONS

Ground Clearance	422 mm
Wheelbase	6,700 mm
Cab Height	3,530 mm
Middle and Rear Wheel Wheelbase	1,632 mm
Overall Width over Tires	2,860 mm
Length (Standard Configuration)	9,980 mm

SERVICE CAPACITIES

Anti-freeze	45 L
Hydraulic Reservoir	110 L
Axle, Rear	210 L
Transmission	28 L

