



4280DE



BATTERY TYPE	LFP
RATED STORAGE ENERGY	423 kWh
OPERATING WEIGHT	25,000 kg
STANDARD MOLDBOARD SIZE	4270x645x25mm
MAX. BLADE PULL	128 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	LEP
Rated Storage Energy	423 kWh
Nominal Voltage	618 V
System Voltage	DC24V
BMS Protection Level	IP67
Recommended Charger	≤150kW
Charging Time (120 kW Charging power)	≥ 120 min
Charging Time (300 kW Charging power)	≥ 90min

DRIVE MOTOR	
Peak Power	160 kW
Protection Level	IP67
Ambient Temperature	-30 - 85°C
Cooling Type	Intelligent temperature control, liquid cooling
Altitude	≤5,000 m

HYDRAULIC MOTOR	
Peak Power	70 kW
Protection Level	IP67
Ambient Temperature	-30 ~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 km/h
Transmission Type	Planetary, power shift

AXLES	
Type	LiuGong wet axle
Axle Oscillation	± 15°
Tire Size	20.5R25 *L-3

WORKING HYDRAULICS	
System	Variable hydraulic system
Operation	Electric control dual handle
Work Pump	Variable pump
Work Pressure	21 MPa

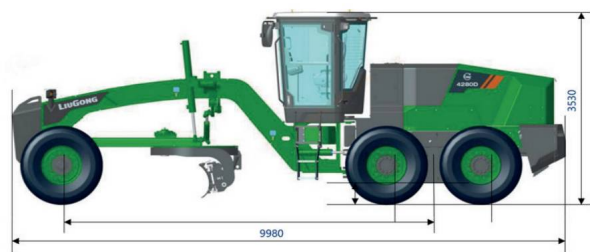
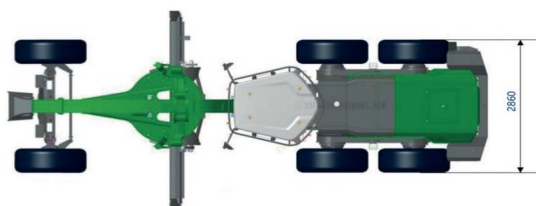
STEERING HYDRAULICS	
System	Load sensing
Steering Relief Pressure	16.7 MPa

BRAKES	
Service Brake Type	Dual circuit full hydraulic
Service Brake Actuation	Hydraulic wet brake
Service Brake Pressure	5.0 MPa
Parking Brake Type	Disk (electric control)
Parking Brake Actuation	Electric hydraulic control

LOADER ARM PERFORMANCE	
Operating Weight	25,000 kg
Standard Moldboard Size	4270x645x25 mm
Max. Blade Pull (f = 0.75)	128 kN
Minimum Turning Radius	7,500 mm
Maximum Travel Speed, fwd	40 km/h
Maximum Travel Speed, rev	26 km/h
Steering Angle	±50°
Front Axle, Wheel Lean Angle	±18°
Front Axle Oscillation	±16°
Ground Clearance-Front Axle	545 mm
Maximum Lift 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	45°
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	232 L
Transmission	28 L



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment. Liugong standard and optional equipment may vary from region to region. Please consult your Liugong dealer for information specific to your area.

10/2024 Designed by LiuGong
Replace the previous versions of 05/2023