LiuGong

4280DE

ELECTRIC MOTOR GRADER

BATTERY TYPE	LFP
RATED STORAGE ENERGY	423 kWh
OPERATING WEIGHT	24,000 kg
STANDARD MOLDBOARD SIZE	4270x645x25 mm
MAX. BLADE PULL	123 kN
MINIMUM TURNING RADIUS	7,500 mm



BATTERY ELECTRIC VEHICLE

TOUGH WORLD. TOUGH EQUIPMENT.

4280DE SPECIFICATIONS

POWER BATTERY	
Battery Type	LFP
Rated Storage Energy	423 kWh
Nominal Voltage	618 V
System Voltage	DC24V
BMS Protection Level	IP67
Recommended Charger	120 ~ 300 kW
Charging Time（300 kW Charging Power）	≤ 80 min

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

HYDRAULIC MOTOR	
Peak Power	70 kW
Protection Level	IP67
Ambient Temperature	- 30 ~ 85℃
Cooling Type	Intelligent temperature control, liquid cooling
Altitude	≤ 5,000 m

TRANSMISSION	
Manufacturer	LiuGong
Number of Speeds, fwd / rev	2 / 2
Maximum Travel Speed, fwd	40 km/h
Maximum Travel Speed, rev	28 km/h
Transmission Type	Planetary electronic control shift

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

WORKING HYDRAULICS	
System	Variable single pump
Operation	Dual electronic-control joystick
Work Pump	Variable pump
Work Pressure	21 MPa

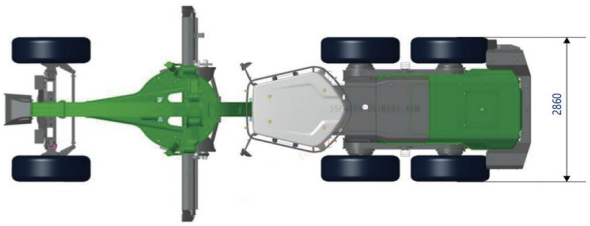
STEERING HYDRAULICS	
System	Load sensing
Steering Relief Pressure	16.7 MPa

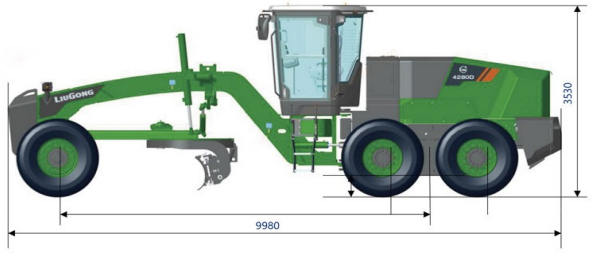
BRAKES	
Service Brake Type	Dual circuit full hydraulic braking
Service Brake Actuation	Hydraulic wet brake
Service Brake Pressure	6.2 MPa
Parking Brake Type	Disk (electronic control)
Parking Brake Actuation	Electric-hydraulic control

LOADER ARM PERFORMANCE	
Operating Weight	24,000 kg
Standard Moldboard Size	4270x645x25 mm
Max. Blade Pull（f = 0.75）	123 kN
Minimum Turning Radius	7,500 mm
Maximum Travel Speed, fwd	40 km/h
Maximum Travel Speed, rev	28 km/h
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





MHVP Pty. Ltd.
11 Des Young Dr, Moree, NSW, 2400
T: (02) 6752 4082 E: paul@mhvp.com.au
www.mhvp.com.au

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.

03/2025 Designed by LiuGong
Replace the previous versions of 03/2025