



# 4280DE

## ELECTRIC GRADER



|                                |               |
|--------------------------------|---------------|
| <b>BATTERY TYPE</b>            | LFP           |
| <b>RATED STORAGE ENERGY</b>    | 423 kWh       |
| <b>OPERATING WEIGHT</b>        | 24,000 kg     |
| <b>STANDARD MOLDBOARD SIZE</b> | 4270x645x19mm |
| <b>MAX. BLADE PULL</b>         | 123 kN        |
| <b>MINIMUM TURNING RADIUS</b>  | 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                           | DC24V        |
| BMS Protection Level                     | IP67         |
| Recommended Charger                      | 120 ~ 300 kW |
| Charging Time<br>(300 kW Charging Power) | ≤ 80 min     |

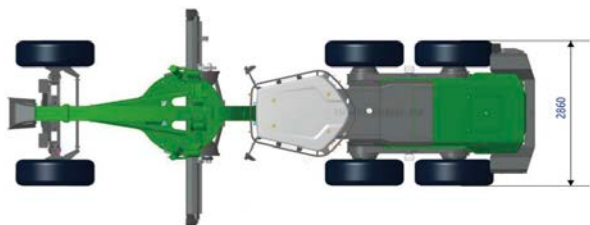
| DRIVE MOTOR         |                                                 |
|---------------------|-------------------------------------------------|
| Peak Power          | 160 kW                                          |
| Protection Level    | IP67                                            |
| Ambient 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 | 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                           |



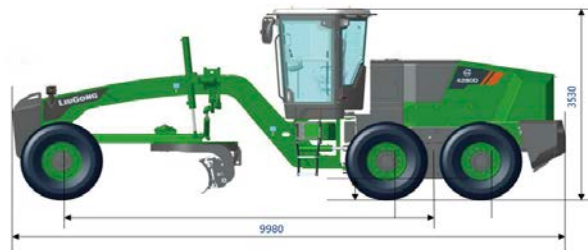
| STEERING HYDRAULICS      |              |
|--------------------------|--------------|
| System                   | Load sensing |
| Steering Relief Pressure | 16.7 MPa     |

| 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           | 4270x645x19 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 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  |



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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.

02/2025 Designed by LiuGong  
Replace the previous versions of 02/2025