

# GR2605T Pro



## GR2605T PRO Motor Grader

Motor grader is the main machinery used for shaping and leveling in earthwork. It is widely used in the ground and stable layer leveling of highway and airport. In recent years, with the application expanding and high productivity, the use of grader has been promoted in bulldozing and paving of roadbed mixture, reconditioning of original landforms, etc. Besides, it can be applied to snow removing in cold region. Featuring 260HP power, strong strength of machine components and sufficient driving force, GR2605T Pro is a heavy-duty motor grader research and developed especially for high-load working condition.



## Performance and characteristics

- Load sensing hydraulic system has small operating force, good operating feeling;
- Engine variable power control technology for higher energy efficiency;
- Intelligent fan control technology enables fan speed changing with the real-time detected system temperature, low energy consumption and low noise;
- Electric control double-handle control technology, integrating cylinder control, steering, walking and other kinds of control in one, reducing labor intensity.
- Wet type brake drive axle for long lifetime, higher reliability;
- ROPS&FOPS cabin, with higher safety, optimized internal manipulation and overall internal layout, meeting ergonomic needs and higher comfort.
- The air conditioning flue is integrated in cabin interior design, significantly improves the cooling and heating effect.
- Advanced anti-vibration and noise reduction technology achieves low noise of the whole machine;

## Main dimensions

Unit: mm

| Model       | L    | L1   | L2   | L3   | H    | W    | W1   | W2   |
|-------------|------|------|------|------|------|------|------|------|
| GR2605T Pro | 9448 | 6545 | 2580 | 1696 | 3500 | 2625 | 2156 | 3660 |



## Main specifications

| Item                          | Content                              | Unit                      | GR2605T Pro      |                 |
|-------------------------------|--------------------------------------|---------------------------|------------------|-----------------|
| <b>Basic parameter</b>        | Engine model                         |                           | QSL89            |                 |
|                               | Rated power/speed                    | kW/rpm                    | 194/2200         |                 |
|                               | Machine dimension(standard)          | mm                        | 9448x2625x3500   |                 |
|                               | Machine weight(standard)             | kg                        | 19000            |                 |
|                               | Tire specification                   |                           | 17.5R25          |                 |
|                               | Ground clearance (Front axle)        | mm                        | 592              |                 |
|                               | Wheel track                          | mm                        | 2156             |                 |
|                               | Axle distance between front and rear | mm                        | 6615             |                 |
|                               | Wheel base between middle and rear   | mm                        | 1696             |                 |
| <b>Performance parameters</b> | Drive speed, forward                 | km/h                      | 5/9/14/22/34/48  |                 |
|                               | Drive speed, reverse                 | km/h                      | 6/15/35          |                 |
|                               | Traction force f=0.75                | kN                        | ≥99              |                 |
|                               | Maximum gradeability                 | %                         | ≥25              |                 |
|                               | Tire inflation pressure              | kPa                       | 425              |                 |
|                               | Work system pressure                 | MPa                       | 24.5             |                 |
|                               | Transmission box pressure            | Mpa                       | 2.0-2.4          |                 |
|                               | Maximum steering angle, front wheel  | °                         | ±49              |                 |
|                               | Allowable tilt angle, front wheel    | °                         | ±18              |                 |
|                               | Maximum oscillation, front axle      | °                         | ±16              |                 |
| <b>Working parameters</b>     | Maximum oscillation, balance box     |                           | Front 15 rear 15 |                 |
|                               | Maximum steering angle, frame        | °                         | +25              |                 |
|                               | Minimum turning radius               | m                         | 7.8              |                 |
|                               | Blade                                | Maximum lift above ground | mm               | 452             |
|                               |                                      | Maximum cutting depth     | mm               | 755             |
|                               |                                      | Maximum tilt angle        | °                | 90              |
|                               |                                      | Cutting angle             | °                | Front 40 rear 5 |
|                               |                                      | Swivel angle              | °                | 360             |
| Length × Height               | mm                                   | 3960x610                  |                  |                 |
| <b>Capacities</b>             | Coolant                              | L                         | 50               |                 |
|                               | Fuel tank                            | L                         | 418              |                 |
|                               | Engine                               | L                         | 24               |                 |
|                               | Transmission box                     | L                         | 45               |                 |
|                               | Balance box                          | L                         | 105 each         |                 |
|                               | Drive axle                           | L                         | 35               |                 |
|                               | Hydraulic oil                        | L                         | 65               |                 |