



Engine

Make and Model Cummins QSM-11
 Max Horsepower (G35) 350 (G435) 400 @ 2100 RPM
 Max Torque 1400 Ft/Lbs @ 1400 RPM
 No. of Cylinders 6
 Displacement 660 Cu/In (11 liters)
 Optional Engine Caterpillar C13 @ 385 HP

Air Cleaner

Donaldson Two Stage Dry Type

Electrical System

Type 24 Volt Negative Ground/24 Volt Start
 Alternator 100 AMP
 Circuit Breakers (lights) 30 AMP
 Circuit Breakers (accessory) 20 AMP
 Batteries (2) 12 Volt-8D @ 205 AMP Hr. each

Transmission

Integral Transmission/Converter w/Automatic Shifting

| Range | Ratio | Speed (Unladen) |
|--------|--------------|----------------------|
| 1..... | 4.04:1 | 4.3 mph (7.0 km/h) |
| 2..... | 2.02:1 | 7.8 mph (12.5 km/h) |
| 3..... | 1.15:1 | 15.5 mph (25.0 km/h) |
| 4..... | 0.66:1 | 22.3 mph (36.0 km/h) |

Axles

Make Kessler
 Type Planetary
 Brakes Wet Disc Brakes

Tires

Size (Front) 35/65-R33
 Size (Rear) 18.00-25

Hydraulic System

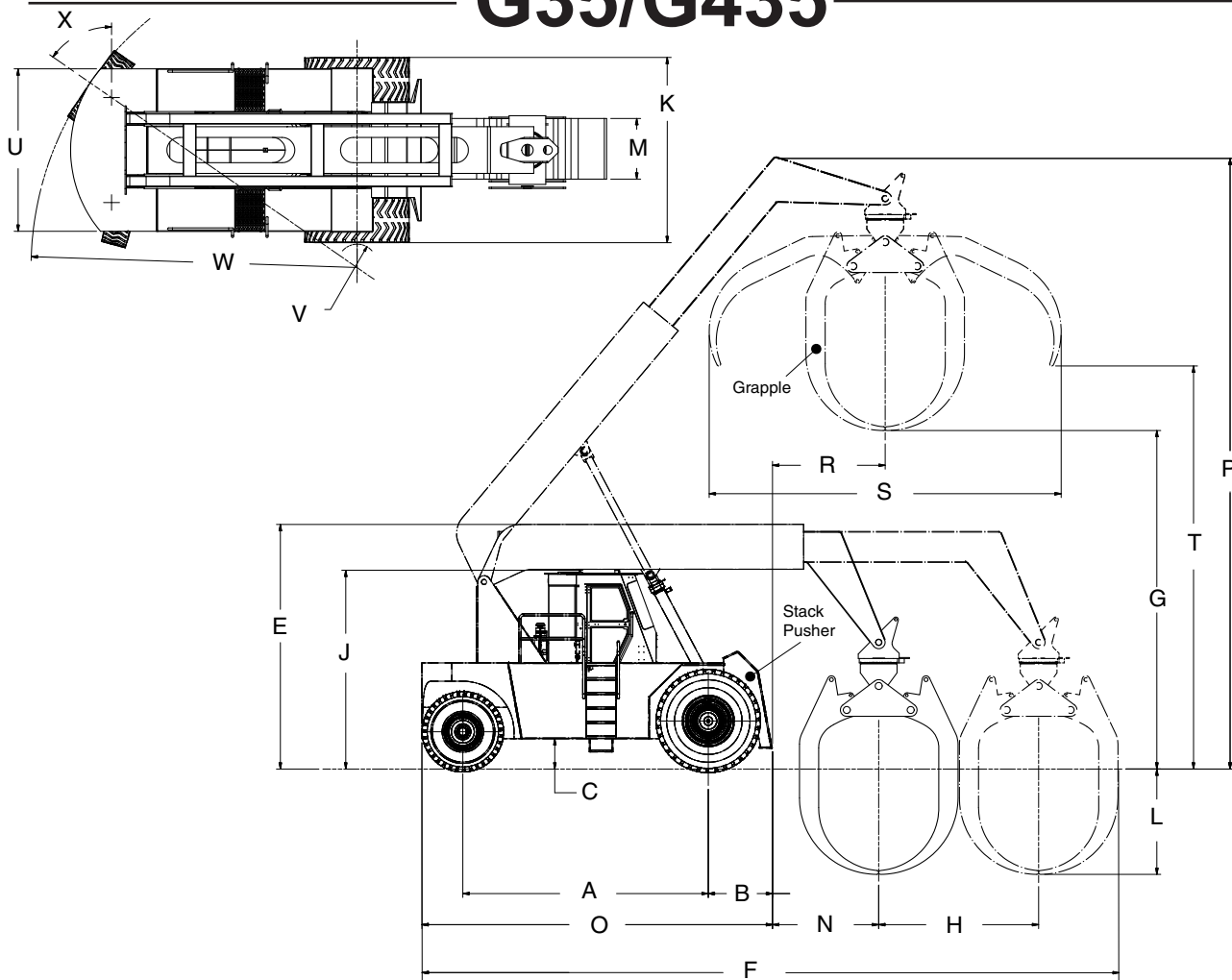
"Power Beyond" hydraulics with total capacity of all pumps in the system for multiple use simultaneously. Hydraulic pilot controls

Hoist Cylinder (2) 8" x 115" (203mm x 2921mm)
 Telescopic Cylinder (2) 7" x 124" (177mm x 3149mm)
 Grapple Cylinder (2) 6" x 46" (152mm x 1168mm)

Service Refill Capacities

Fuel Tank 250 Gals (946 liters)
 Hydraulic Oil 300 Gals (1136 liters)
 Crankcase w/Filter 11 Gals (42 liters)
 Cooling System 22.5 Gals (85 liters)

G35/G435



Dimensions (approximate)

| | G35 | G435 |
|---|-------------------|-------------------|
| A. Wheelbase | 16' 0" (4877 mm) | 16' 0" (4877 mm) |
| B. Front Axle to Front Face of Chassis | 4' 2" (1277 mm) | 4' 2" (1277 mm) |
| C. Ground Clearance Chassis | 2' (610 mm) | 2' (610 mm) |
| E. Overall Height (boom down) | 16' 1" (4915 mm) | 17' 1" (5207 mm) |
| F. Overall Length | 45' 4" (13829 mm) | 45' 4" (13829 mm) |
| G. Ground to Grapple Tine (boom up) | 22' 2" (6760 mm) | 23' 2" (7061 mm) |
| H. Boom Extension | 10' 4" (3178 mm) | 10' 4" (3178 mm) |
| J. Height to Top of Cab | 13' (3961 mm) | 14' (4267 mm) |
| K. Width Outside Chassis Tires | 12' 2" (3724 mm) | 12' 2" (3724 mm) |
| L. Reclaim Depth | 6' 9" (2115 mm) | 5' 9" (1752 mm) |
| M. Grapple Width | 4' (1219 mm) | 4' (1219 mm) |
| N. Face of Chassis to Centerline of Retracted Grapple | 6' 9" (2110 mm) | 6' 9" (2110 mm) |
| O. Chassis Length | 22' 9" (6993 mm) | 22' 9" (6993 mm) |
| P. Overall Height (boom up) | 40' 2" (12239 mm) | 41' 2" (12547 mm) |
| R. Grapple Centerline (boom up, grapple extended) | 7' 5" (2280 mm) | 8' 5" (2565 mm) |
| S. Grapple Width (open) | 22' 9" (6993 mm) | 22' 9" (6993 mm) |
| T. Overall Height to Tips of Open Tines (boom up) | 26' 4" (8057 mm) | 27' 4" (8331 mm) |
| U. Chassis Width | 10' 7" (3264 mm) | 10' 7" (3264 mm) |
| V. Inside Turning Radius | 1' 6" (499 mm) | 1' 6" (499 mm) |
| W. Turning Radius Tail Swing | 21' 2" (6476 mm) | 21' 2" (6476 mm) |
| X. Steering Angle | 55° | 40° |

wagner

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Weights and Functions (approximate)

| | |
|--|--------------------------------|
| Unit Weight | 125,000 lbs (56699 kg) |
| Drive End | 81,000 lbs (36740 kg) |
| Tail End | 44,000 lbs (19958 kg) |
| Rated Lift Capacity (at minimum reach) | 50,000 lbs (22679 kg) |
| Rated Lift Capacity (at maximum reach) | 35,000 lbs (15875 kg) |
| Stack Pusher | Hydraulically Actuated |
| Grapple Capacity | 70 sq ft (6.5 m ²) |
| | Other sizes available |