



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

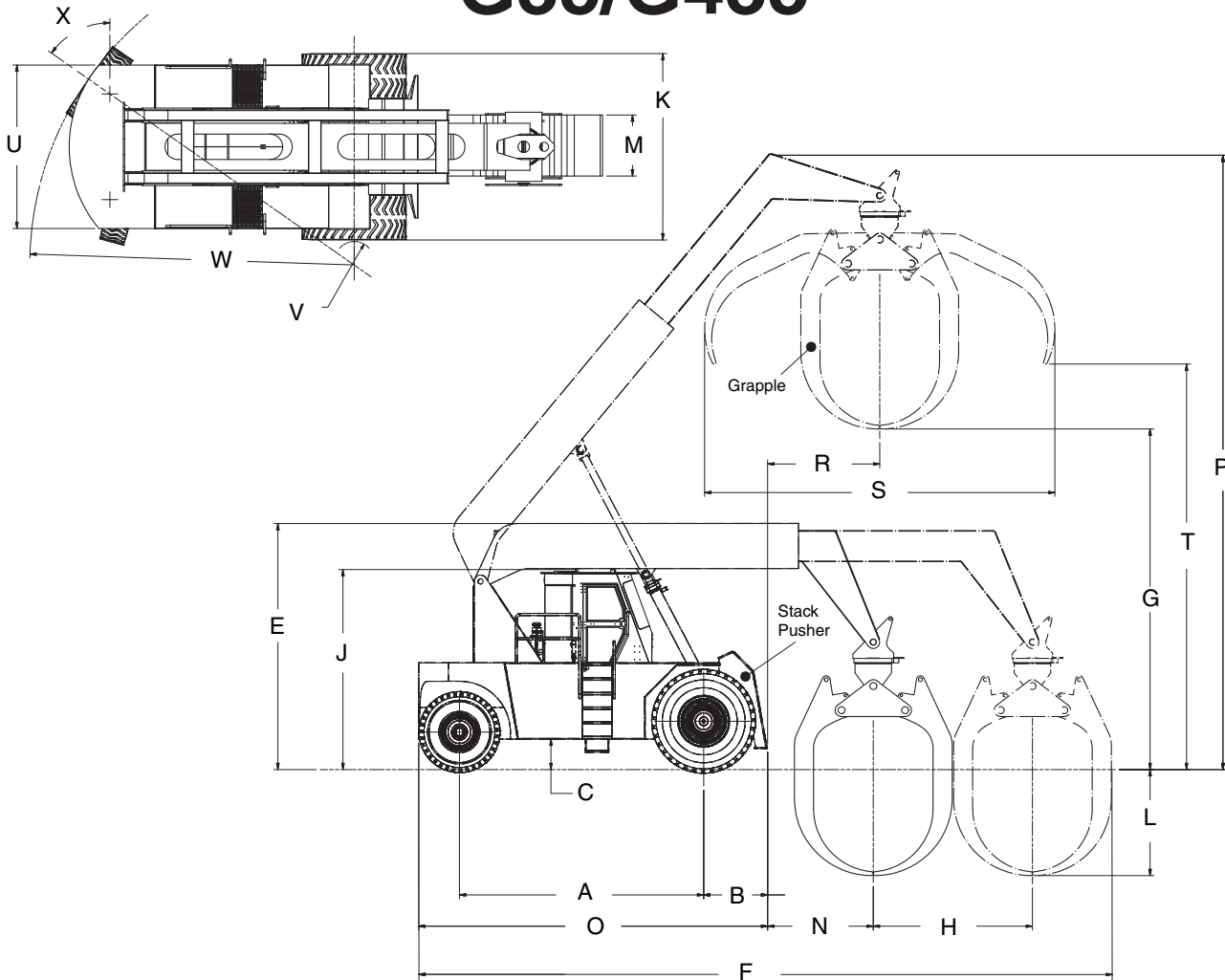
Hoist Cylinder (2) 8" x 115" (203mm x 2921mm)
 Telescopic Cylinder (2) 7" x 124" (177mm x 3149mm)
 Grapple Cylinder (2) 6" x 46" (152mm x 1168mm)

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)

Purpose-Built Grapple Loaders

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°

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

wagner

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