

SERCO

LOADERS

A GRYB COMPANY

LIFTING EXPECTATIONS

8500 SERIES



LIFTING EXPECTATIONS

The SERCO 8500 has become one of the most versatile loaders in our line up. Not only a popular loader in the forestry markets, the 8500 series has also quickly become the material handler of choice for waste, rail, pipe, scrap, as well as storm and disaster cleanup material handling applications.



Rotation

Continuous rotation on double-row turntable bearing.

Stabilizers

Telescoping A-frame type with 117-3/4" spread at grade level for adjustment on uneven terrain.

Boom Reach

22 ft. knuckleboom options to 28 1/2ft. and 22ft. boom with 4ft. squirt (26ft. - 29ft. overall).

Lift Capacity

8,976 lbs. lift capacity at 10 ft. radius (less weight of attachment).

UNPARALLELED PERFORMANCE

Hydraulic System

Tandem hydraulic circuits to allow simultaneous operation without power loss.

Tandem gear pump providing 30 & 30 GPM at 1,400 pump RPM.

Stack type control valves located under seat for increased operator visibility, safety. Including necessary relief and anti-cavitation valves for machine protection.

50 gallon A-frame mounted hydraulic reservoir with high capacity, 10-micron return line filter and removable access cover (aluminum and steel remote hydraulic tanks also available).

Folding joystick controls standard. Four-wire reinforced hoses in all pressure applications.

SERCO hydraulic manifold with ductile iron center spool & chrome-plated housing for continuous swing rotation.

Miscellaneous

- Three-point greasing system for turntable bearing and pinion gear.
- Mechanical swing lock for safety during transit.
- Dual, heavy-duty ladders.
- Telescoping jib boom with separate valve and foot control.
- LED light kits
- Full range of attachments including continuous rotation grapples.
- Hydraulic oil coolers.
- Bolt-on gland cylinders.



LIFT DIAGRAM

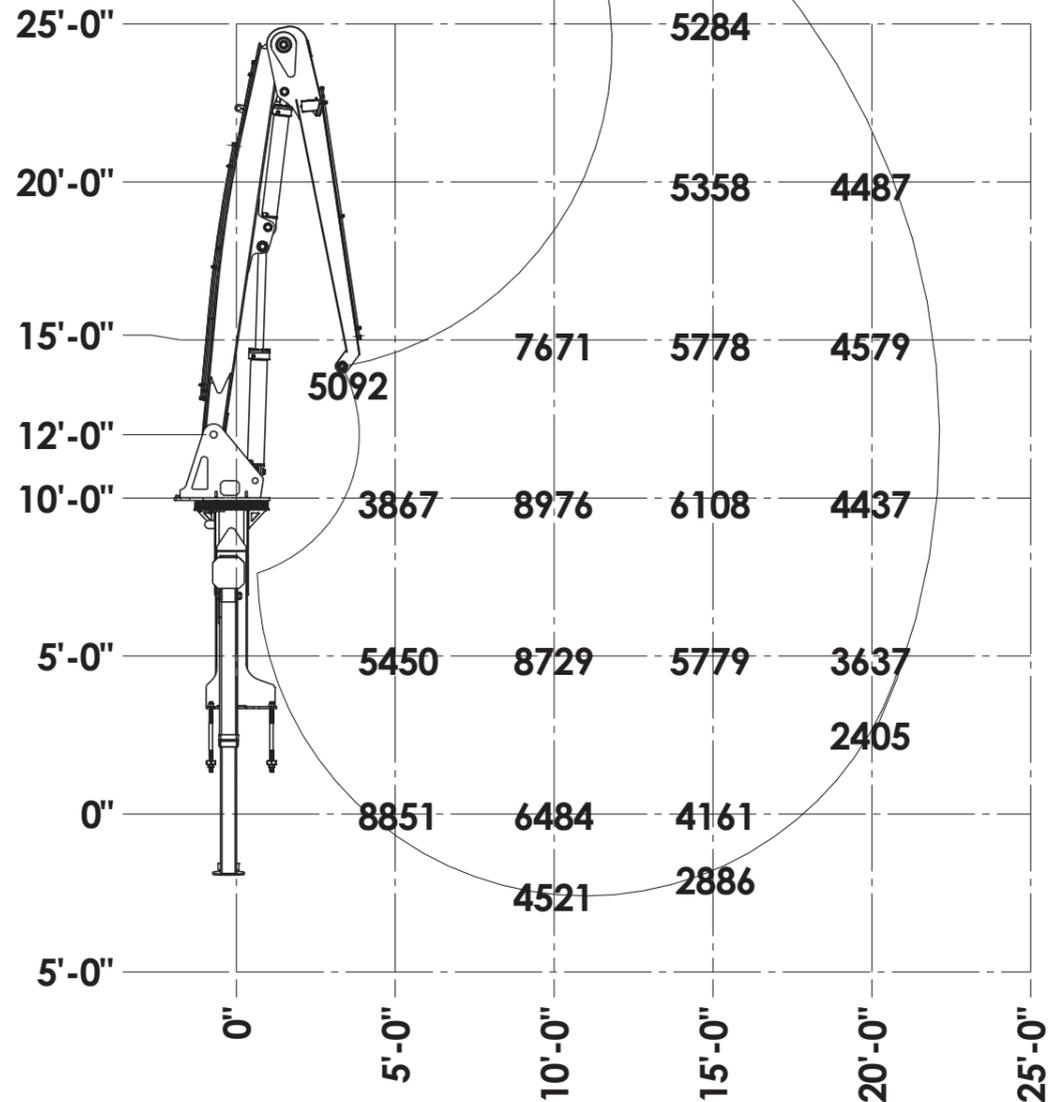
Capacities shown are maximum theoretical lift capacities based on loader system pressure rating indicated, loader is mounted on adequately sized vehicle, stabilizers deployed in down position and the entire unit is on firm, level ground.

040644 - SERCO 8500 22 FT. BOOM - RANGE/LIFT DIAGRAM

CAPACITIES SHOWN ARE MAXIMUM THEORETICAL LIFT CAPACITIES (LESS ATTACHMENT) BASED ON LOADER SYSTEM PRESSURE INDICATED. LOADER IS MOUNTED ON ADEQUATELY SIZED VEHICLE, STABILIZERS DEPLOYED IN DOWN POSITION AND THE ENTIRE UNIT IS ON FIRM, LEVEL GROUND. IT IS HIGHLY RECOMMENDED THAT PRIOR TO INSTALLATION OF THIS LOADER ONTO TRUCK THAT A STABILITY CALCULATION OR TEST BE PERFORMED TO ENSURE PROPER STABILITY AND OPERATION OF LOADER ON CUSTOMER VEHICLE.

2500 PSI MAIN CYL. OPERATING PRESSURE
 2500 PSI MAIN CYL. RELIEF SETTING
 2500 PSI JIB CYL. OPERATING PRESSURE
 3000 PSI JIB CYL. RELIEF SETTING (BORE & ROD SIDE)

5000914 - ASSY MAIN BOOM (12')
 5000915 - ASSY JIB BOOM (10')
 ASSY MAIN LIFT CYL. (5.5" X 36")
 ASSY JIB LIFT CYL (5.0" X 35.5)



SERCO 8500

KEY SPECIFICATIONS- SERCO 8500

Structure	Fabricated box type main & jib booms backed by the industry best, 3-year structural warranty
Pivots	2.5" boom pivots, 2" cylinder pivots
A-Frame Stabilizers	3" x 44" cylinders with 117.75" spread at grade level.
Complete Motion	Main boom: 7.2 sec full down - full up Jib: 5.9 sec full in - full out
Slewing Ring	27.31" (693.67 mm) diameter, external tooth
Rotation Speed	9.7 RPM
Weight	7,600 lbs. (3,447 kg)
Operating Pressure	2,500 psi (172 bar)
Swing Torque	24,258 ft. lbs

BOOM LENGTH OPTIONS- SERCO 8500

Standard	22' (6.7 m)
Non-Telescopic	24' (7.3 m), 25' (7.6 m), 28' (8.5 m) & 28.5' (8.7 m). Most common 28'
Telescopic	22', 24', & 25'. 4' (1.2 m) squirt. Maximum length 29' (8.8m).

SERCO 8500 (22 ft./6.7 m) LOADER LIFT CAPACITY (lb/kg)

		DISTANCE FROM CENTER OF ROTATION (ft./m)			
		5 FT. / 1.5 m	10 FT. / 3 m	15 FT. / 4.5 m	20 FT. / 6 m
SERCO 8500 SERIES	HEIGHT				
	30 ft. / 9 m				
	25 ft. / 7.5 m			5,284 / 2,397	
	20 ft. / 6 m			5,358 / 2,430	4,487 / 2,035
	15 ft. / 4.5 m	5,092 / 2,310	7,671 / 3,479	5,778 / 2,621	4,579 / 2,077
	10 ft. / 3 m	3,867 / 1,754	8,976 / 4,071	6,108 / 2,771	4,437 / 2,013
	5 ft. / 1.5 m	5,450 / 2,472	8,729 / 3,959	5,779 / 2,621	3,637 / 1,650
	0 ft. / 0 m	8,851 / 4,015	6,484 / 2,941	4,161 / 1,887	

* Lifting capacities calculated at 100% operating pressure
 * Lifting capacity is limited by stick boom hydraulic capacity
 * Maximum load must never exceed - 8,976 lb. (4,071 kg)

We reserve the right to change specifications & improve our products without notice or obligation



YOUR NEW LOADER AWAITS!

CONTACT OUR TEAM TODAY!

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