

K541 STATIONARY KNUCKLEBOOM LOADER



OPERATOR COMFORT.

If equipped, the left side mounted cab features a large, fully adjustable suspension seat with lumbar support, fold-up armrest with hydraulic pilot joystick controls, and a foot swing pedal for ease of operation. The improved HVAC system keeps the operator comfortable year-round and is common across all Weiler knuckleboom loaders.



REMOTE CONTROL OPERATION.

Loaders with optional remote controls are designed with electric over hydraulic (EHC) joysticks with proportional controllers that enable the loader to be operated from a remote location. Specially designed multi-conductor cables ensure reliable signal continuity. All control installation, mounting, and cable routing is the responsibility of the customer.



ON BOARD POWER UNIT.

The on board electric power supply and hydraulics allow for continuous or non-continuous rotation. This configuration also provides a space saving installation as all components are mounted on the loader with only the electrical harnesses routed up through the mounting structure.



RESILIENT PAD MOUNTING.

The Resilient Pad Mounting System includes a set of special rubber isolators on each mounting fastener that absorbs stress in two directions. An additional hydraulic accumulator is built into the main boom cylinder circuit to further absorb peak-load shocks. The main power cable can be routed on any of the four sides or through the center.



REMOTE POWER UNIT.

Remote electric power supply and hydraulics are placed on the ground for easier service access to the electric motor, hydraulic pumps and hydraulic valve. Hydraulic hoses are routed up the mounting structure through the center of the loader. Available in limited rotation only.



PRODUCT RELIABILITY.

A new swing motor, swing bearing, and cab are common with the K560 and K660 loaders. A larger fan and increased oil cooler capacity results in more cooling efficiency. Electric control valves simplify the design and reduce hose routings. The electrical system has received a complete redesign, modernizing the entire control panel.

K541 SPECIFICATIONS

ELECTRIC POWER SUPPLY	460 volts: 60 Hz	
ELECTRIC MOTOR POWER	100 hp	75 kW
ELECTRIC MOTOR SPEED	1,800 rpm	
WEIGHT - ON BOARD POWER w/CAB & PILOT CONTROLS	26,300 lb	11 930 kg
WEIGHT - ON BOARD POWER w/REMOTE CONTROLS	27,500 lb	12 474 kg
WEIGHT - REMOTE POWER w/REMOTE CONTROLS	22,900 lb 10 387 kg	
WEIGHT - REMOTE POWER UNIT ONLY	4,560 lb	2068 kg

SYSTEM PRESSURE	2,500 psi	172 bar
SWING PRESSURE	2,500 psi	172 bar
SWING SPEED	8 rpm	
SWING BEARING DIAMETER (O.D.)	51"	1295 mm
HYDRAULIC RESERVOIR	142 gal	538 L
3 IN-LINE GEAR PUMPS	115 gpm	435 lpm

CONFIGURATIONS

1. On Board Electric Power and Operator's Cab on loader with pilot joystick controls
2. On Board Electric Power and Remote Operator's Station with electric over hydraulic control valves
3. Remote Electric Power and Remote Operator's Station with electric over hydraulic control valves
4. Zero Tail Swing KBL w/ Remote Electric Power and Remote Operator's Station with electric over hydraulic control valves

NOTE: It is the customer's responsibility to provide the remote operator's station and perform the control installation for configurations 2, 3 & 4.

MOTOR POWER SUPPLY

100 hp (75 kW) @ 1800 rpm electric motor
460 Volt / 60 Hz Electric Power Supply option
Direct pump drive through flex coupling
Magnetic starting system

HYDRAULICS

Electric valves on remote control units
Pilot operated valves on cab units
Common swing motor with K560
Three in-line gear pumps (45-54-16 gpm (170-204-61 L/min) of flow)
Thermal and high pressure oil cooler bypass valve
30% improvement in hydraulic cooling capacity with 5 HP cooling fan
In-tank hydraulic filter common to other Weiler products

ELECTRICAL

Weiler machine software
Weatherproof electrical service panel including circuit breakers
LED beacon for active status
Proximity switches for electrical swing stops if equipped

OTHER STANDARD EQUIPMENT

Central grease bank mounted to main boom frame
Heavy duty guard rails with large tubing and thick plating
Resilient Pad Mounting System with rubber isolators
Mounting bolt pattern compatible w/ Cat 569, Prentice 2410 & Weiler K561

SALES AND SERVICE

Sold and serviced exclusively through Weiler Forestry dealers worldwide.

OPTIONAL OPERATOR'S CAB

Left mounted cab w/polymer front window & backer bars meet SAE J2267
19" (483 mm) cab riser option
CAT excavator or forestry control pattern
Pressurized with heat and air conditioning
LED light bars
Dual pilot joystick controls (foot pedal swing with forestry control pattern)
Reverse slope tinted windshield
Windshield wiper
Lexan skylight with sunshade
High capacity HVAC system
AM/FM/Bluetooth radio

OPTIONAL EQUIPMENT

32' 6" (9.9 m) Standard Boom and Stick
33' 6" (10.2 m) Live Heel Boom and Stick
36' (11.0 m) Standard Boom and Stick
38' 6" (11.7 m) Standard Boom and Stick
Continuous Swing Rotation with 250A Electrical Swivel
Limited Swing Rotation with Electrical and Bolt-on Mechanical Swing Stops
Remote Controls by Another Unit
Remote Control Harness Options (60', 100', 150', 200', 250', 300')
Steel Platform Shock Mount kits (8" or 9.5" bolts)
J-Hook and Hardware for Concrete Base Mounting
Single "V" or Double "V" Heel
Phone Holder (Only Available with Cab Option)
Base Mount Pattern
Electric Hydraulic Oil Fill Pump
14 Circuit, 120V, 30A Electrical Swivel (Continuous Rotation Only)
Hydraulic Tank Heater
Counterweight
30" Pedestal Riser
4548 Straight Narrow Jaw Grapple
4548 Tapered Wedge Jaw Grapple
5055 Straight Narrow Jaw Grapple
5055 Tapered Wedge Jaw Grapple

WARRANTY

12 months standard. Extended warranty not available.

