

Engine

Isuzu AH-6WG1X-S Turbo charged, intercooled, 4-cycle diesel, 6 cylinder in-line, direct injection, 958 CID (15 700 cc), 5.78" (147 mm) bore x 6.06" (154 mm) stroke.

SAE net horsepower .. 425 HP (317 kW) @ 1,800 rpm
Maximum torque 1,460 ft-lbs. (1 980 N-m) @ 1,500 rpm
Starter 24V
Alternator 50 amp
Air cleaner Double element
Governor Electronic

Fuel Usage*

Heavy 18.1 gph (68.5 l/hr)
Average 14.9 gph (56.4 l/hr)
Light 11.8 gph (44.6 l/hr)

*Fuel economy varies widely depending upon application. The "heavy" category represents nearly continuous operation in tough digging applications. The "light" category represents applications that utilize the machine about 50% of the time in easier digging.

Hydraulic System

Two variable displacement axial piston pumps and one gear pump for pilot controls

Hydraulic Pumps

Two variable volume piston pumps provide power for attachment, swing and travel.

Maximum flow 2 x 116.2 gpm (2 x 440 l/min)
Pilot pump max. flow 7.1 gpm (27 l/min)

Relief Valve Settings

Boom/arm/bucket 4,551 psi (320 kg/cm²)
Swing circuit 4,053 psi (285 kg/cm²)
Travel circuit 4,978 psi (350 kg/cm²)

Hydraulic Cylinders

number of cylinders – bore x rod x stroke

Boom 2 - 7.5" x 5" x 67.5"
(191 mm x 127 mm x 1 715 mm)
Arm 1 - 7.5" x 5" x 78"
(191 mm x 127 mm x 1 981 mm)

Control Valve One 4-spool valve for right track travel, boom, bucket, and arm acceleration, and one 5-spool valve for left track travel, swing, boom acceleration, auxiliary spool and arm.

Oil Filtration

Nephron® filter 1 micron
Return and pilot filters 10 micron
Suction screen 105 micron

Cab and Controls

Cab mounted on 6 fluid filled mountings. Features include safety glass windows, sliding front window with auto-lock. Windshield washer and wiper, heater, air-conditioner, AM/FM radio with auto tuner, floor mat, skylight window and right and rear side mirrors. KAB 515 operators seat with manual weight adjustment, seat height and tilt adjustment, adjustable headrest, backrest angle adjustment, adjustable pivoting arm rests and seat belt. Control pattern selector valve. Reliable soft-touch switches.

Swing

Fixed displacement axial piston motor. Internal ring gear with grease cavity for swing pinion. Swing bearing is single-row shear type ball bearing. Swing cushion valve and dual stage relief valves for smooth swing deceleration and stops. Mechanical disc swing brake.

Swing speed 0 – 6.5 rpm
Tail swing 13' 2" (4.0 m)
Swing torque 177,752 lbf-ft. (241 kN•m)

Undercarriage

X-style carbody is integrally welded for strength and durability. Grease cylinder track adjusters with shock absorbing springs. Undercarriage equipped with sealed track, lubricated rollers and idlers. Double-bar grouser track shoes.

Carrier rollers 3 per side
Track rollers 8 per side
Track link pitch 10.25" (260 mm)
Shoes 47 per side
Shoe width 35.5" (900 mm)
Ground pressure 10.7 psi (.75 kg/cm²)

Travel System

Variable displacement axial piston motor. Mechanical disc brake. All hydraulic components mounted within the width of side frame.

Max. travel speed 1.9/2.5 mph (3.0/4.1 km/h)
Gradeability 70%

Lubricant and Coolant Capacity

Hydraulic tank 82 gal. (310 liters)
Hydraulic system 172 gal. (650 liters)
Final drive (per side) 8 gal. (30 liters)
Engine 13.7 gal. (52 liters)
Fuel tank 238 gal. (900 liters)
Cooling system 30 gal. (112 liters)

Attachment

Young 2-piece 55' (16.76 m)

Operating Weight

Working weight with 35.5" (900 mm) shoes, 55' 2-piece attachment, 1/2 tank of fuel, 6' cab riser 147,880 lbs. (67 077 kg)

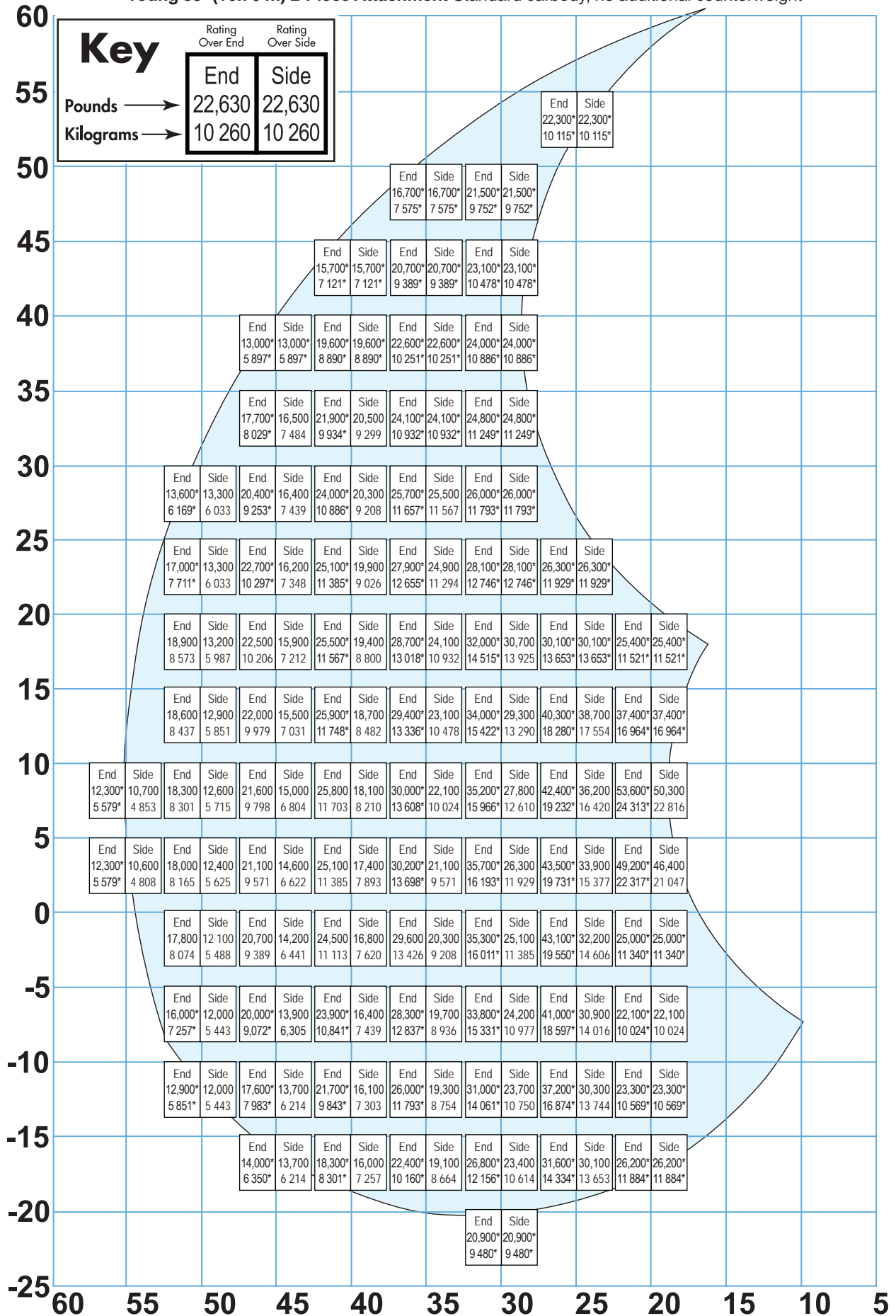
Working weight with 35.5" (900 mm) shoes, 55' 2-piece attachment, 1/2 tank of fuel, 6' cab riser, 3,500 lbs. additional counterweight 151,880 lbs. (68 892 kg)

Working weight with 35.5" (900 mm) shoes, 55' 2-piece attachment, 1/2 tank of fuel, 6' cab riser, 3,500 lbs. additional counterweight and 30" gauge widener 161,680 lbs. (73 337 kg)

700 LX Material Handler

Working Ranges and Lifting Capacities

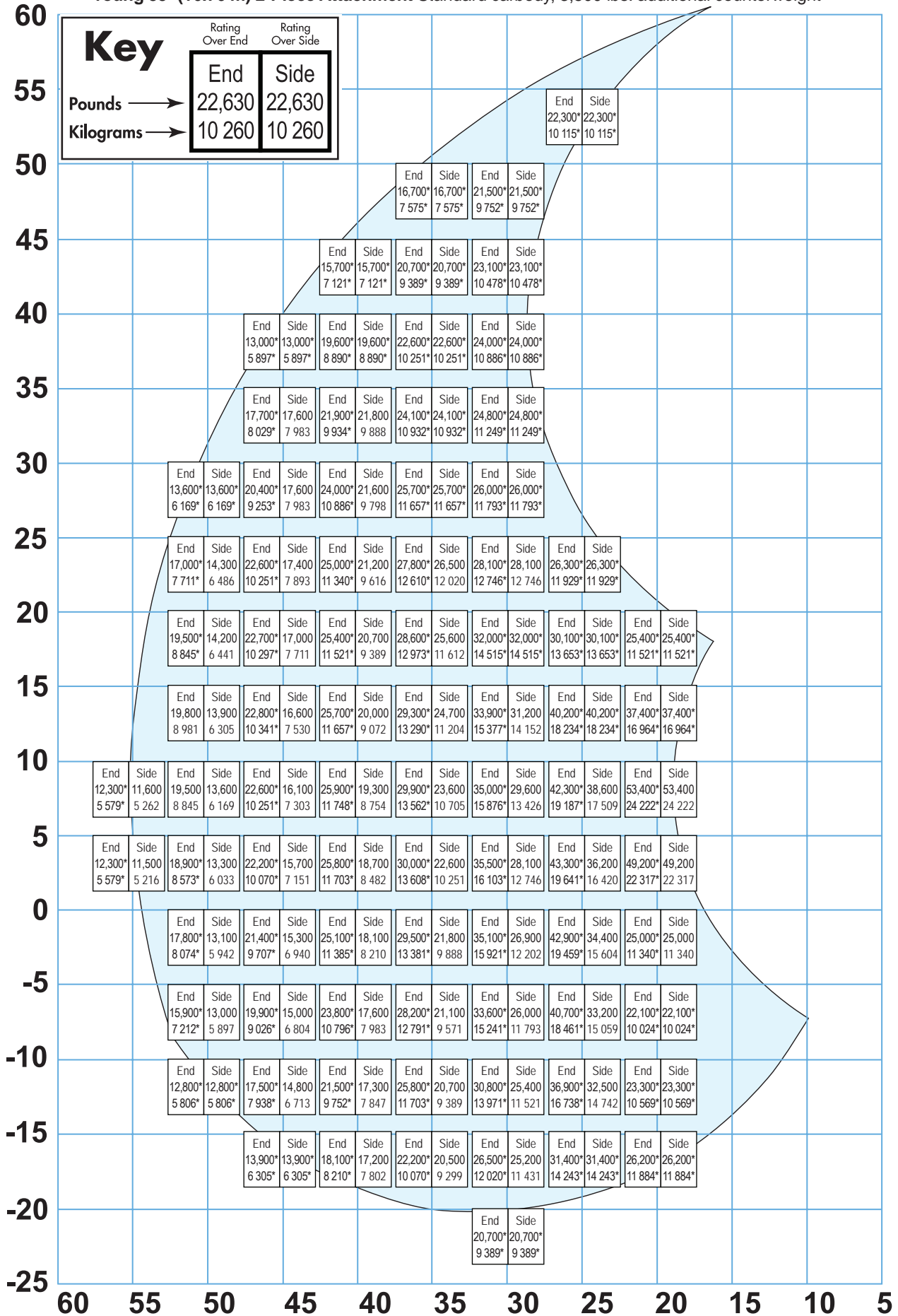
Young 55' (16.76 m) 2-Piece Attachment Standard carbody, no additional counterweight



700 LX Material Handler

Working Ranges and Lifting Capacities

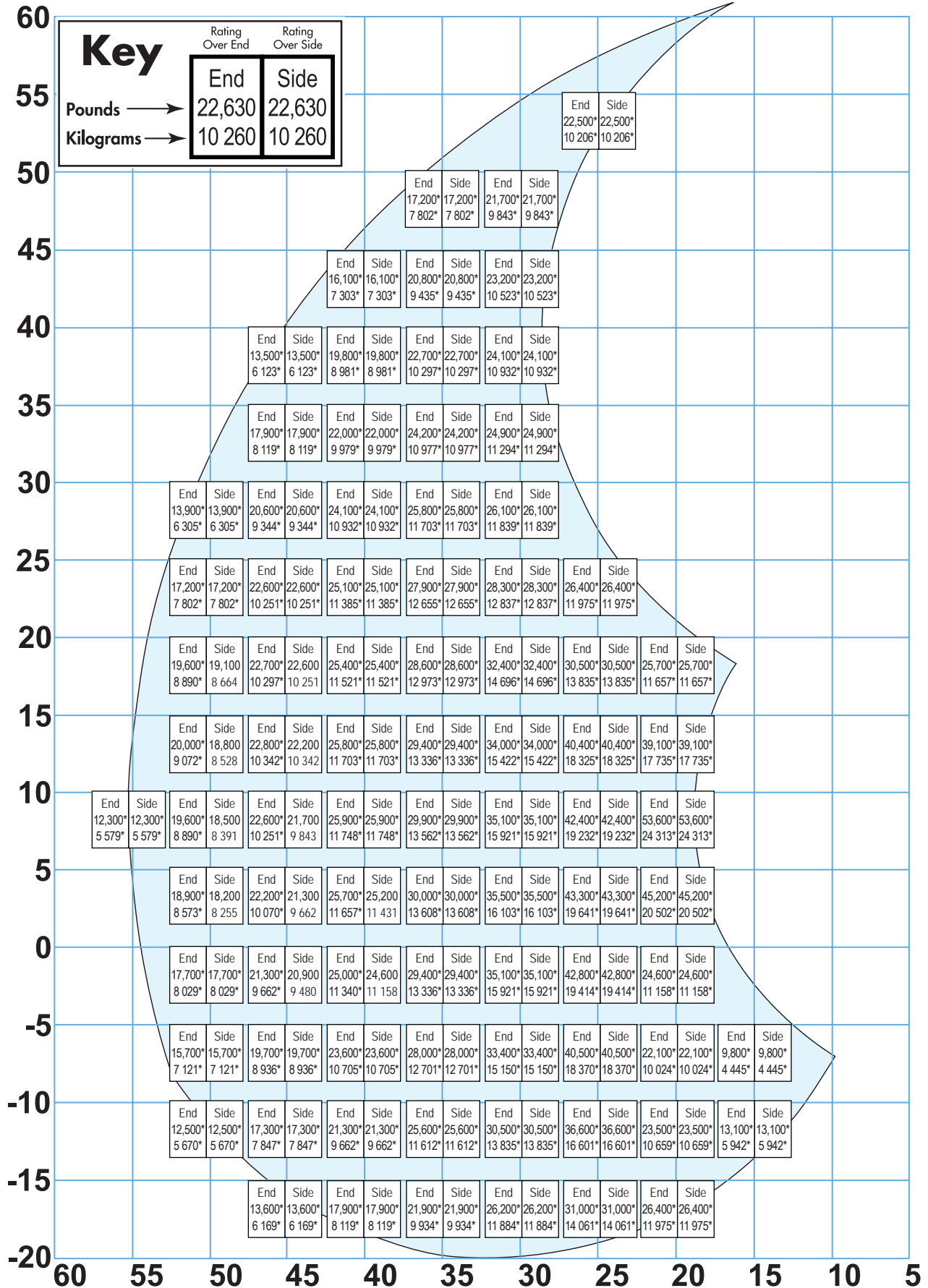
Young 55' (16.76 m) 2-Piece Attachment Standard carbody, 3,500 lbs. additional counterweight



700 LX Material Handler

Working Ranges and Lifting Capacities

Young 55' (16.76 m) 2-Piece Attachment Widened carbody, 3,500 lbs. additional counterweight



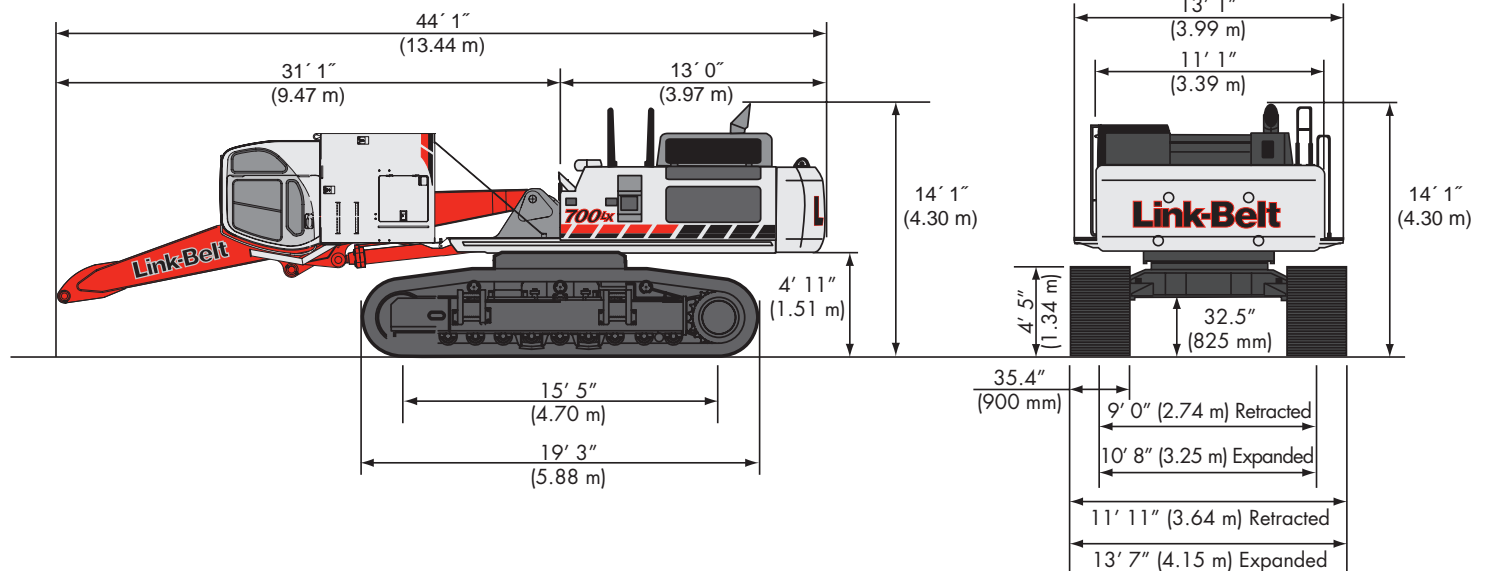
700 LX Material Handler

Standard Equipment

- Inte-LX® Computer Control System
- Five selectable working modes
- Auto Work Mode
- Attachment Work Mode
- Auto power-up mode
- Free swing control
- Cushioned attachment control
- Auto power swing
- Illuminated LCD service monitor
- Self-diagnostic system
- Control pattern selector valve
- Tier III Isuzu diesel engine with electronic control
- Auto idle start
- Auto engine warm up
- Auto idling system
- One-touch idle
- Low idle up
- Reversible cooling fan
- Fuel cooler
- Low noise/low vibration cab floating on 6 fluid filled mounts
- Sliding/reclining, suspension cloth upholstered seat with adjustable arm rests and lumbar support, retracting seat belt
- 3-position tilting consoles
- 4th position on left console for entering and exiting the cab also serves as control lock-out
- Climate control heater and air conditioner
- Safety glass front windows with automatic lock and intermittent rise-up windshield wiper and washer, large LEXAN® rear/side windows
- 12 volt accessory outlet for cell phones/audio extras
- Horn, interior lighting, AM/FM STEREO radio, digital clock, floor mat, cigarette lighter
- Rear view mirror, coat hook, storage compartment
- Gate lock and gate lock lever (control lock-out device)
- Single pedal travel
- Travel alarm
- Common key for cab & house doors, engine hood, tool box, and fuel cap
- Vandalism locks/guarding
- Hand grab rails both sides
- Nephron® hydraulic filtration system
- Boom and arm holding valves
- Integral cylinder cushioning
- Upper and lower undercovers
- Long undercarriage
- Sealed and lubricated track
- Catwalks
- 22,932 lbs. (10 400 kg) counterweight

Options

- 6', 8', or 10' manual tilt cab riser, includes ladder, catwalk and platform (6' elevated cab most common)
- Hydraulic tilt cabs are available upon request
- 30" gauge widener



Notes: Excavator lifting capacities

1. Lifting capacities shown should not be exceeded. Weight of all lifting accessories must be deducted from the above lifting capacities.
2. Lifting capacities are based on machine standing on firm, uniform supporting surface. User must make allowances for job conditions such as soft or uneven ground.
3. Lifting capacities shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities. Capacities marked with an asterisk (*) are limited by hydraulic capacities.
4. Least stable position is over the side.
5. Operator should be fully acquainted with the Operator's Manual & Operating Safety Booklet, furnished by LBX before operating the machine.
6. Capacities apply only to the machine as originally manufactured and normally equipped by LBX Company LLC.
7. Lift capacity ratings are based on SAE J/ISO 10567, "Earthmoving Machinery – Hydraulic Excavators – Lift Capacity".

Link-Belt
EXCAVATORS • FORESTRY
DEMOLITION • MATERIAL HANDLING

LBX Company is the proud maker of quality Link-Belt excavators and is located in Lexington, KY.

Litho in USA 8/08 #LBX2153 (Supersedes #LBX2124)

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