

G-120 Specifications

GENERAL DESCRIPTION:

SKAGIT SERIES G GENERAL UTILITY HOISTS are all-steel, heavy duty hoists built in graduated sizes with drum arrangements to meet the varying demands of industrial, construction and commercial hoisting requirements. Model G-120 is the largest of this complete series of heavy duty general utility hoists.

DRUM ASSEMBLIES:

Full floating drums; single-piece, steel castings with machined spooling surfaces; bronze bushed; one foot brake on each drum; ratchet and pawl; central, quadrant banked lever or air controls; gypsy keyed on drum shaft extension; one, two or three drums and gypsies; detachable boom swinger available.

DRUM SHAFT BEARINGS:

Full roller bearing construction or combination babbitted and roller bearing construction optional.

Roller Bearing Hoists have all shafts mounted on roller bearings; self-aligning housings; adjustable bearings.

Babbitted Bearing Hoists have drum shafts mounted on copper-hard babbitt with 4-bolt caps; roller bearing drive shafts.

DRUM SIZES:

Drums are the same size. Flange diameter 42"; barrel diameter 18"; barrel length 36"

CABLE CAPACITY:

Each Drum: 1790' of 1 3/8"; 2170' of 1 1/4"; 2680' of 1 1/2"; 3390' of 1".

Note: Line speed and pull performance on our entire rental fleet is estimated on manufacturer specifications. Consult manufacturer for exact line speeds and pulls.

IMPORTANT

Before installation see maintenance and operations manual for additional warnings and precautions.

This equipment is not to be used for lifting supporting or transporting people or lifting or supporting loads over people.

OPTIONAL CONTROLS:

Three types of controls; Manual central controls with lever and screw type friction devices and foot brakes are standard; Quadrant banked lever controls for friction devices and foot brakes, extra; Air controls with fast, positive action available as extra. (See Price List).

PERFORMANCE DATA—Transmission Type

Line Pull in Pounds and Speed in Feet Per Minute based on Waukesha 145-GZB rated at 146 HP @ 1600 RPM with 4-speed Transmission, allowing 15 per cent for Frictional Losses:

	Full Drum	Average Drum	Bare Drum
High	5400 @ 760	7600 @ 540	10500 @ 390
Third	9550 @ 430	13300 @ 306	18300 @ 223
Second	17800 @ 230	24800 @ 165	34400 @ 119
Low	30300 @ 136	42000 @ 97	58500 @ 70

PERFORMANCE DATA—Direct Drive Type

Line Pull in Pounds and Speed in Feet Per Minute based on Caterpillar D-343 T & A rated at 212 HP @ 1440 RPM with Direct Drive, allowing 15 per cent for Frictional Losses.

Full Drum	Average Drum	Bare Drum
21200 @ 280	29900 @ 200	44500 @ 134

BRAKES:

Self-energizing, band-type brakes operate against cast-iron, heat-resistant brake flange.

FRICION BLOCKS:

Double-face, cone type friction blocks.

FRAME:

Rigid structural steel frame, heavily reinforced with cross members; cast steel pedestals. Engine frame adjustable on main frame with screw adjustment; three-point engine suspension.

GUARDS:

Drum gear, drive pinion and chain guards are designed for easy servicing and maintenance as well as abundant protection.



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