



STUDEBAKER

Standard Series Trucks

GROSS RATING 14,500 LBS.

MODEL K-20

STUDEBAKER STANDARD SERIES MODEL K20 CHASSIS SPECIFICATIONS

GENERAL

Gross rating 14,500 lbs.
 Note: Gross Rating is maximum allowable when equipped with auxiliary rear springs and adequate oversize tires.
 Gross train rating 22,000 lbs.
 Wheelbase 136" 163" 180"
 Recommended body lengths 9' 12' 15'
 Chassis road weight with standard equipment (lbs.) 4315 4365 4415
 Road clearance—standard types—
 Front axle, 9 3/4" Rear axle, 9 1/2"

ENGINE L-head design

Bore and stroke 3 1/4" x 4 1/4"
 Number of cylinders 6
 Piston displacement (cu. in.) 203
 Rated H.P. (S.A.E.) 21.54
 Maximum brake H.P. at r.p.m. 79 at 2900
 Maximum torque at r.p.m. (lb. ft.) 179 at 1800
 Standard compression ratio 5.83 to 1
 Crankcase oil capacity 5 Imperial pts.

PISTONS

Material Aluminum Alloy, trunk type
 No. of compression rings per piston 3
 No. of oil rings per piston 1

CRANKSHAFT

No. of bearings 7
 Bearing journal diameter 3 1/8"
 Total bearing surface area (sq. in.) 34.82

COOLING SYSTEM

Radiator core Tubular
 Type of water pump Centrifugal
 Cooling system capacity 17 1/2 Imperial pts.

FUEL SYSTEM

Petrol tank capacity 16 1/2 Imperial gallons
 Location of petrol tank Left side of frame
 Combustor size 1 3/4"
 Governor Standard
 Air cleaner Wet type
 Governed engine speed 2800 r.p.m.

ELECTRICAL SYSTEM

Spark control Full automatic
 Current voltage regulator Yes
 Type of starter motor drive Bendix
 Battery 6 volts—17 plates—134 lbs. cap.

CLUTCH

Type Single plate, dry disc
 Type of clutch linings Woven asbestos
 Type of release bearing Ball

GEARBOX

No. of forward speeds 4
 Gear reductions: 1st 8.4 to 1
 2nd 2.08 to 1
 3rd 1.69 to 1
 4th 1.41 to 1
 Reverse 7.82 to 1
 Oil capacity 5 Imperial pts.

OPTIONAL GEARBOX (extra cost)

No. of forward speeds 5
 Gear reductions: 1st 7.58 to 1
 2nd 4.38 to 1
 3rd 2.40 to 1
 4th 1.48 to 1
 5th 1.30 to 1
 Reverse 6.10 to 1
 Oil capacity 10 Imperial pts.

UNIVERSAL JOINTS

Type of bearings Needle roller
 Midship bearing Axial self-aligning

REAR AXLE

Type Full floating
 Type of final drive Spiral bevel
 Standard gear ratio 8.8
 Optical gear ratios 4.857 & 5.823
 Straddle mounted piston Yes
 Ring gear back-up screw Yes
 Oil capacity 8 Imperial pts.
 Track (standard dual tyres) 65 1/2"

FRONT AXLE

Type Reverse Elliott
 Track (standard tires) 61 1/2"

TYRES

Standard—Front & dual rear 6.50-20 & 6.50-20

WHEELS

Type Cast spoke
 Optional wheel equipment Disc wheels

STEERING

Type and Ratio Cam and lever—16.5 to 1
 Steering wheel diameter 17"

FRONT SPRINGS

Type Semi-elliptic
 Length & width & No. leaves 36" x 2 1/4" - 9

REAR SPRINGS

Type Semi-elliptic
 Length & width & No. leaves 54" x 2" - 13
 Auxiliary springs 36" x 2" - 9 leaves

SERVICE BRAKES

Type Lockheed hydraulic
 Size—Front 14" x 2"
 Rear 16" x 3"
 Lining thickness—Front 1/4"
 Rear 1/4"
 Total effective area 320 1/2 sq. in.
 Booster system At extra cost

HAND BRAKE

Location and type Gearbox, Band
 Total effective area 49.25 sq. in.
 Hand brake on rear wheels At extra cost

FRAME

W.B. W.B. W.B.
 198" 162" 190"
 Depth of side member 8 1/2" 8 1/2" 9 1/2"
 Width of side member 3" 3" 3"
 Thickness 7/8" 7/8" 1 1/2"
 Section modulus 7.51 7.51 8.61
 No. of cross members 5 6 7

COLOURS

Cowl, cowl, bonnet, radiator shell, hood/sump, front mudguards, and wheels finished in Cardinal Red unless otherwise specified on order. Radiator grille is chrome. Dorestone Grey Fern Green, and Chrome Yellow are optional at an extra charge.
 Chassis frame and running gear always finished in black.

STANDARD CHASSIS EQUIPMENT

Includes straight cowl, dash, bonnet, front mudguards, front running boards, radiator grille in chrome, hood/sump, combination tail and breakers, anti lock, lock engine gas fittings and chrome-plated hub caps, chrome front bumper, wet type oil sump and oil filter, instrument board, compass speedometer, compass, carburetor, stanchion, oil pressure gauge, engine hour indicator, fuel gauge and headlamp switch, foot-controlled starter switch.

CAB EQUIPMENT

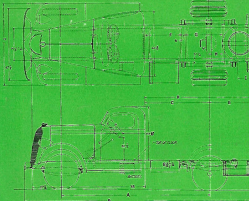
Maximum comfort increased visibility, and streamlined appearance are features provided in the Studеbaker oil steel coupe-cab. Equipment includes six vinyl, two windshield wipers, upholstery at doors and front seats, seat belts, ash tray, door compression springs, and chrome strips across the instrument board providing a pleasing appearance. Cab has adjustable seat back, built-in warm air windshield defroster, rotary door locks and cast-steel vestibule.

The Studеbaker Export Corporation
 South Bend, Indiana, U. S. A.

CHASSIS MAIN DIMENSIONS

| Model | A | T | C | E | L | G | H | I | Track (standard dual wheels) |
|--------|------|----------|-----|----------|---------|-----|---------|---------|------------------------------|
| K20-34 | 136" | 214 1/2" | 60" | 107" | 42" | 36" | 17 1/2" | 18 1/2" | 21" |
| K20-36 | 163" | 242 1/2" | 34" | 136 1/2" | 52 1/2" | 36" | 17 1/2" | 18 1/2" | 22 1/2" |
| K20-42 | 180" | 270 1/2" | 32" | 158" | 58" | 36" | 17 1/2" | 18 1/2" | 27" |

Dimensions shown are standard dimensions available for body building.



Studebaker reserves the right to change any of the specifications listed in this folder without obligation to advise present purchasers, and to use new designs or accessories without notifying existing purchasers in trucks manufactured.