

605-B



605-B
2.5 cu. yd. (1,9m³) Wheel Loader

Illustration includes
optional equipment.

CAPACITY

- Full turn tipping load — 13,940 lbs. (6322kg)
- Breakout force — 19,300 lbs. (8755kg)
- Operating weight — 22,295 lbs. (10111kg)

STABILITY

- Long wheelbase, 110" (2794mm)
- Wide tread, 73" (1840mm)

SPEED

- SOF-SHIFT* transmission, smooth, fast directional changes
- Twin-turbine torque converter, automatic crowd
- Single lever transmission control

POWER

- Allis-Chalmers 2900 Mark II diesel engine
- Flywheel horsepower — 108
- Kilowatts — 81

LOADING ABILITY

- Ground level loading and carry
- Powerful, responsive hydraulics
- Torque proportioning differentials
- Automatic bucket positioner and lift kickout*

* Optional equipment

SERVICEABILITY

- Easy ground level access
- Convenient spin-on engine filters

DEPENDABILITY

- In-line straddle mounted linkage
- Rugged self-aligning pivot bearings
- Pin connected axles
- Total Quality Assurance reliability

MANEUVERABILITY

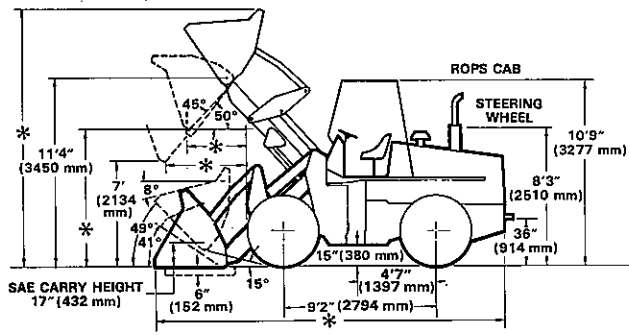
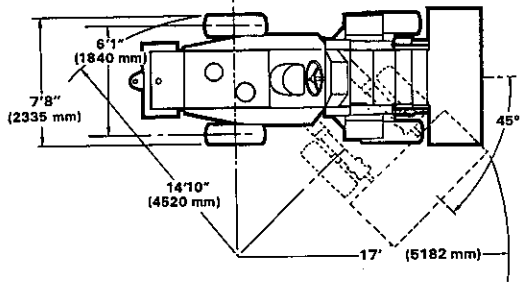
- 90° articulation, 14' 10" (4520mm) turning radius
- Demand steering, quick response at all engine speeds
- Wheels track

● Air filter service indicator ● Air horn ● Anti-freeze ● Back-up alarm ● Bucket level indicator ● ROPS cab with tinted safety glass front windshield wiper, sliding side windows and headliner ● Pusher Fan ● Fan finger guard ● Rear fenders ● Engine intake air heater ● Transmission neutralizer ● Muffler ● Adjustable bucket seat ● Seat belt.

Gauges — air pressure, low air pressure warning light and buzzer, ammeter, converter oil temperature, engine oil pressure, engine coolant temperature, fuel level dipstick, hourmeter, hydraulic oil level sight gauge, transmission oil pressure.

Lighting — headlights, rear floodlights, rear stop and taillights, dashlights.

DIMENSIONS



605-B

(*): REFER TO PERFORMANCE DATA CHART BELOW

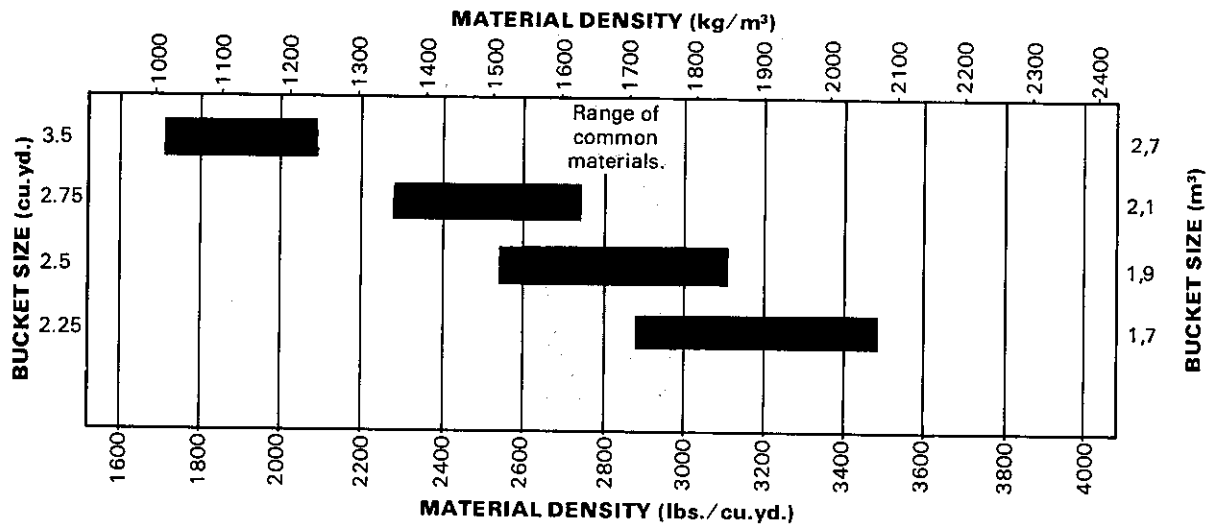
PERFORMANCE DATA

		Gen. Purpose	Gen. Purpose	Gen. Purpose	Light Material	4 in 1
BUCKET CAPACITY RATED	2.25 cu. yd. 1,7 m ³	2.5 cu. yd. 1,9 m ³	2.5 cu. yd. 1,9 m ³	2.75 cu. yd. 2,1 m ³	3.5 cu. yd. 2,7 m ³	2.25 cu. yd. 1,7 m ³
STRUCK CAPACITY	1.86 cu. yd. 1,42 m ³	2.08 cu. yd. 1,59 m ³	2.07 cu. yd. 1,58 m ³	2.32 cu. yd. 1,77 m ³	2.95 cu. yd. 2,26 m ³	1.76 cu. yd. 1,34 m ³
BUCKET WEIGHT	1,550 lbs. 705 kg	1,675 lbs. 760 kg	1,748 lbs. 795 kg	1,913 lbs. 870 kg	2,189 lbs. 995 kg	2,615 lbs. 1186 kg
BUCKET WIDTH	95.25" 2419 mm	95.25" 2419 mm	105" 2667 mm	105" 2667 mm	105" 2667 mm	106.5" 2699 mm
DUMP HEIGHT @ 45°	8'11" 2715 mm	8'9" 2667 mm	8'10" 2705 mm	8'9" 2667 mm	8'4" 2540 mm	8'1" 2459 mm
REACH @ 45°	36" 919 mm	38" 974 mm	37" 940 mm	39" 991 mm	43" 1087 mm	41" 1054 mm
REACH @ 45° 7 Ft. (2134mm)	59" 1509 mm	61" 1540 mm	60" 1517 mm	61" 1544 mm	62" 1580 mm	65" 1661 mm
OVERALL LENGTH (BUCKET ON GROUND)	20'10" 6346 mm	21'1" 6417 mm	20'10" 6350 mm	21'1" 6414 mm	21'7" 6585 mm	22'1" 6723 mm
OVERALL HEIGHT (BUCKET RAISED)	14'9" 4493 mm	15'0" 4572 mm	14'9" 4497 mm	14'11" 4555 mm	15'6" 4724 mm	14'10" 4526 mm
CLEARANCE CIRCLE (BUCKET @ CARRY)	33'4" 10148 mm	33'5" 10190 mm	34'0" 10375 mm	34'2" 10412 mm	34'6" 10514 mm	34'5" 10500 mm
BREAKOUT FORCE	19,560 lbs. 8872 kg	18,060 lbs. 8192 kg	19,300 lbs. 8755 kg	18,000 lbs. 8165 kg	15,150 lbs. 6872 kg	15,907 lbs. 7215 kg
TIPPING LOAD 0°	17,255 lbs. 7826 kg	16,948 lbs. 7686 kg	17,074 lbs. 7744 kg	16,693 lbs. 7571 kg	16,001 lbs. 7257 kg	14,772 lbs. 6701 kg
35°	15,310 lbs. 6944 kg	15,021 lbs. 6812 kg	15,127 lbs. 6860 kg	14,768 lbs. 6697 kg	14,114 lbs. 6402 kg	13,052 lbs. 5921 kg
40°	14,748 lbs. 6689 kg	14,463 lbs. 6560 kg	14,563 lbs. 6605 kg	14,209 lbs. 6444 kg	13,569 lbs. 6153 kg	12,551 lbs. 5693 kg
45°	14,126 lbs. 6406 kg	13,847 lbs. 6281 kg	13,940 lbs. 6322 kg	13,594 lbs. 6165 kg	12,967 lbs. 5881 kg	11,997 lbs. 5442 kg
OPERATING WEIGHT	22,095 lbs. 10021 kg	22,220 lbs. 10077 kg	22,295 lbs. 10111 kg	22,460 lbs. 10185 kg	22,735 lbs. 10311 kg	23,160 lbs. 10505 kg

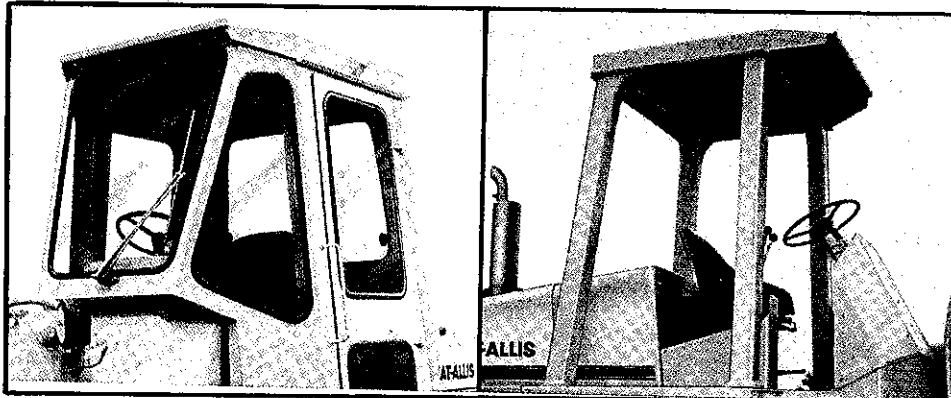
OPTIONAL EQUIPMENT PERFORMANCE DATA	WEIGHT	TIPPING LOAD			
		0°	35°	40°	45°
17.5-25 Tires with 75% CaCl ₂ in rear	+1220 lbs. +553 kg	+1716 lbs. +778 kg	+1505 lbs. +682 kg	+1445 lbs. +655 kg	+1380 lbs. +626 kg
15.5-25 Tires with 75% CaCl ₂ in rear	+340 lbs. +155 kg	+836 lbs. +380 kg	+710 lbs. +323 kg	+674 lbs. +306 kg	+637 lbs. +290 kg
15.5-25 Tires	-600 lbs. -271 kg	-493 lbs. -223 kg	-459 lbs. -207 kg	-449 lbs. -203 kg	-437 lbs. -197 kg
14.00-24 Tires with 75% CaCl ₂ in rear	+210 lbs. +95 kg	+785 lbs. +357 kg	+638 lbs. +290 kg	+598 lbs. +272 kg	+556 lbs. +254 kg
14.00-24 Tires	-760 lbs. -344 kg	-595 lbs. -269 kg	-577 lbs. -261 kg	-570 lbs. -258 kg	-561 lbs. -255 kg
Counterweight (not to be used with CaCl ₂)	+789 lbs. +357 kg	+1690 lbs. +766 kg	+1421 lbs. +644 kg	+1345 lbs. +610 kg	+1262 lbs. +572 kg
ROPS CANOPY (in lieu of ROPS CAB)	-400 lbs. -181 kg	-291 lbs. -132 kg	-272 lbs. -123 kg	-267 lbs. -121 kg	-263 lbs. -119 kg
Less ROPS CAB	-1055 lbs. -478 kg	-871 lbs. -395 kg	-795 lbs. -360 kg	-774 lbs. -351 kg	-750 lbs. -340 kg

NOTE: All performance data and specifications are based on the standard unit equipped with 17.5-25(12PR)L3 tires, ROPS Cab and bucket as indicated. All data is obtained in compliance with the latest applicable SAE Recommended Practices including J732c and J742b.

605-B BUCKET SELECTION CHART



Bucket recommendations shown above are based on a full SAE heaped load at the material density indicated. When selecting the proper bucket for a specific application, other factors must also be considered. These include loadability and heaping characteristics of the material, terrain and other pertinent job conditions.



FIAT-ALLIS ROPS

- Complies with SAE and OSHA ROPS requirements.
- Pin-connected for easier removal and installation.
- Rubber isolation mounted for reduced vibration and noise.
- Standard cab equipment includes tinted safetyglass, front windshield wiper, two full doors which can be latched back for ventilation, sliding side windows and headliner.
- Optional cab accessories include rear windshield wiper, heater, front and rear defroster fans, turn signals and sound suppression.

OPTIONAL AND ALLIED EQUIPMENT

Air conditioner
Automatic bucket positioner
Automatic lift kickout
Brake system moisture ejector
Brake system alcohol injector
Buckets—special purpose, light material, rock, multipurpose, side dump, ejector, tine, etc.

Bucket teeth
ROPS canopy
Counterweight
Differential, no-spin
Drawbar
Engine oil by-pass filter
Ether starting aid
Front fenders

Hood side panels
Ladder, right side dual access
Lift eyes
Lights, additional front flood
Logging counterweight
Logging and landfill guards
Log and lumber forks
Rear axle disconnect

Single lever hydraulic control
Snow plows and wings
Steering knob
Supplemental steering system
Tires, special purpose
Tool kit
Vandalism protection
Warning light for parking brake

The information contained herein is general in nature and is not intended for specific application purposes. Fiat-Allis reserves the right to make changes in specifications shown herein or add improvements at any time without notice or obligation. Illustrations show standard and non-standard items.

