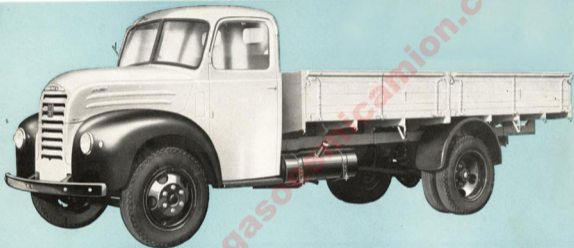


THAMES 4 TON COMMERCIAL VEHICLES



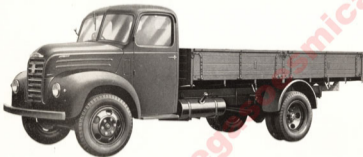
powered by
FOUR-CYLINDER DIESEL ENGINE
or
FOUR-CYLINDER PETROL ENGINE

Supplied as

Chassis
Chassis and Cab
Truck

Short and Long
Wheelbase

Power with outstanding economy



Fitted with either the Ford 4-cylinder diesel engine or the Ford 4-cylinder petrol engine, these vehicles combine power, rugged strength and reliability with outstanding economy in overall cost of operation. Progressive action springs, with front, double-acting hydraulic shock absorbers, to cushion heavy loads over the roughest roads; centrifugally-assisted clutch for ease of operation; 16-inch diameter brakes with servo assistance provide braking power to cover all emergencies; light positive, worm and roller steering, and a host of other outstanding features help to make these vehicles the best in their class.

The Ford 4-Cyl. Diesel Engine

**FULL FLOW
REPLACEABLE ELEMENT
FUEL FILTER**

**INJECTION PUMP &
PNEUMATIC GOVERNOR**

**SLIDING VANE
EXHAUSTER**

**5 BEARING
FORGED CRANKSHAFT**

**FULL FLOW
REPLACEABLE ELEMENT
OIL FILTER**

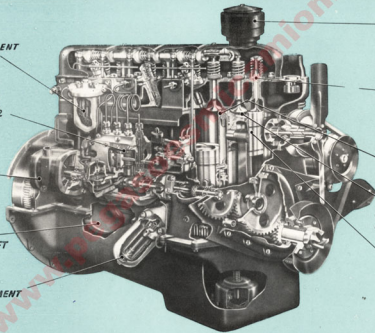
**OIL BATH
AIR BREATHER**

**ROTATING EXHAUST
VALVES**

**CENTRIFUGALLY CAST
WET LINERS**

**COMBUSTION CHAMBER
IN PISTON HEAD**

**5 PISTON RINGS
(3 COMPRESSION)
(2 OIL CONTROL)**



Engine Specifications

POWER CURVE



4-Cylinder DIESEL

ENGINE

Four-cylinder, Direct injection. Bore : 3.94 ins. (100 mm.), Stroke : 4.52 ins. (115 mm.), Capacity : 220 cu. in. (3610 c.c.), Maximum B.H.P. : 60 at 2400 r.p.m. (governed). Maximum torque : 150 lb. ft. at 1600 r.p.m. Compression ratio : 16 : 1. Firing order : 1, 2, 4, 3. Detachable cast iron cylinder head. Replaceable wet cylinder liners. Forged crankshaft with induction hardened main and pin journals. Five main bearings, 3 ins. dia. (76.25 mm.), Aluminium alloy pistons, with three compression and two oil control rings. Fully floating piston pins 1.25 ins. dia. (31 mm.). Engine mounted at three points on rubber. Hydraulic engine stabiliser.

LUBRICATION

Oil pump, self-priming, delivering under pressure to main bearings, connecting rod and camshaft bearings. Full flow cartridge type filter. Capacity of sump, including filter, 1.75 gallons (7.95 litres).

COOLING SYSTEM

Thermo-syphon assisted by belt-driven centrifugal pump. The system incorporates a thermostat. Two-bladed fan. Capacity of system 3½ gallons (14.82 litres).

FUEL SYSTEM

The fuel is drawn through a removable glass sediment bowl filter by the fuel lift pump and passes through a replaceable cartridge element filter to the injection pump. These filters ensure that no foreign matter enters the injection system. The injection pump meters the fuel oil under pressure to each injector.

Injector pump with pneumatic governor and cold starting device. Four hole injectors. Fuel tank capacity 14 gallons.

4-Cylinder PETROL

ENGINE

Four-cylinder O.H.V. Bore : 3.94 ins. (100 mm.), Stroke : 4.52 ins. (115 mm.), Capacity : 220 cu. in. (3610 c.c.), Maximum B.H.P. : 70 at 2800 r.p.m. Maximum torque : 165 lb. ft. at 1500 r.p.m. Compression ratio : 6.0 : 1. Detachable cast iron cylinder head. Four cylinders in line with replaceable wet liners. Crankshaft of cast alloy steel. Five main bearings of 3 ins. diam. (76.25 mm.). Aluminium alloy tin-plated pistons with three compression and two oil control rings. Piston pin fully floating 1.25 ins. dia. Engine mounted at three points on rubber.

LUBRICATION

Oil pump delivering under pressure to main bearings, connecting rod and camshaft bearings. Full flow cartridge type filter. Dipstick fitted. Capacity of sump including filter 1.75 gallons (7.45 litres).

COOLING SYSTEM

Thermo-syphon assisted by belt-driven centrifugal pump. The system incorporates a thermostat. Two-bladed fan. Capacity of system 3½ gallons.

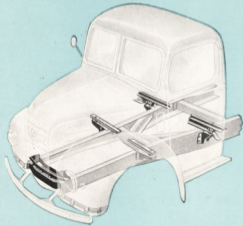
FUEL SYSTEM

Zenith down-draught, carburettor with oil bath air cleaner. Fuel supplied via mechanical pump driven direct from camshaft. Fuel tank capacity 14 gallons.

IGNITION

Twelve-volt battery and coil, automatic regulation of firing point. Camshaft driven vacuum-assisted distributor. Sparking plugs 14 mm. Firing order : 1, 2, 4, 3.

Driver safety and comfort



Great care has been given to the driver's comfort and safety. The full-width, all-steel cab, mounted on six special rubber-cushioned mountings is robustly constructed. There is generous leg room, and excellent visibility. The wide windscreen is in two sections, opening on the driver's side. Instruments are set in a large panel and are easy to read.

Special bodies



HORSE-BOX



CONTAINER CATTLE TRUCK



PANTECHNICON



LUTON VAN



10 cu. yd. REFUSE COLLECTOR

HORSE-BOX
Body by—Lambourn Garage Ltd.

CONTAINER CATTLE TRUCK
Body by—J. H. Jennings & Son Ltd.

PANTECHNICON
Bodies by—Sully, Blackford & Hawkey Ltd.

LUTON VAN

10 cu. yd. REFUSE COLLECTOR
Body by—Tulse & Bell

Standard Chassis Specification

CLUTCH. Single dry plate, centrifugally assisted, with heavy duty pre-lubricated ball thrust bearing.

TRANSMISSION. Four forward speeds and reverse. Standard axle ratios for 128-inch and 157-inch models. 1st 37.32:1; 2nd 18.03:1; 3rd 9.84:1; 4th inch 5.83:1; reverse 45.61:1. Optional axle ratios for 128-inch and 157-inch models and standard for 122-inch articulated unit, 1st 42.65:1; 2nd 20.61:1; 3rd 11.24:1; 4th 6.67:1; reverse 52.13:1. Fully floating rear axle with torque tube and radius rods. Spiral bevel final drive. Roller bearings throughout. Oil capacity of rear axle $3\frac{1}{2}$ pints (2.13 litres). Oil capacity of gearbox $4\frac{1}{2}$ pints (2.56 litres).

FRONT AXLE. "1" Section Beam. Taper roller wheel bearings.

STEERING. Worm and roller type, ratio 18.7:1. Three-spoke steering wheel, diameter 18 ins.

BRAKES. Hydraulic front and hydraulically operated mechanical rear brakes with servo assistance. Foot brake operates on all four wheels. Mechanical hand brake operates rear wheels only.

SUSPENSION. Longitudinal semi-elliptic springs, front and rear. Front, 10 leaves, 2.25 ins. wide. Rear, 16 leaves, 2.5 ins. wide. Double acting hydraulic shock absorbers at front.

TYRES. 7.00—20 10-ply. Dual rears and spare.

ELECTRICAL EQUIPMENT. Flush fitted headlamps with twin filament bulbs. Flush fitted sidelamps. Twin rear lights and reflectors. Electric windscreen wiper. Electric horn with horn button on steering wheel. Inspection lamp socket.

GENERAL EQUIPMENT. Ammeter, speedometer, fuel gauge, oil pressure gauge, vacuum gauge on Diesel models. All-steel fully reinforced cab. Opening windscreen on driver's side. Inside lock on near-side door. External lock on off-side door. Wide cab doors, hinged at front.

OPTIONAL EQUIPMENT

(available at extra cost)

128-inch and 157-inch models only.

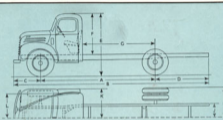
TYRES. 7.50—20 10-ply. (Including wider front axle beam and wider front fenders).

REAR SPRINGS. Eighteen leaves.

HEAVY DUTY FRAME.

NOTE: The fitting of any of the above optional items does not allow the gross vehicle weight of 135 cwt. to be exceeded.

Vehicle Measurements



DIMENSIONS	ARTIC UNIT	S.W.B.	L.W.B.
"A"	122"	128"	157"
"B"	15' 6.5"	18' 0.5"	20' 5.5"
"C"	2' 11.5"	2' 11.5"	2' 11.5"
"D"	2' 5"	4' 5"	4' 5"
Unladen "E"	7' 4.5"	7' 4.63"	7' 4.25"
"F"	4' 10.25"	4' 10.25"	4' 10.25"
"G"	5' 7"	6' 1"	8' 6"
"H"	6' 8.6"	6' 8.64"	6' 8.64"
"J"	3' 2"	3' 2"	3' 2"
"K"	6' 6"	6' 6"	6' 6"
(track) "L"	5' 7.59"	5' 7.59" (front)	5' 7.59" (front)
	5' 5"	5' 5" (rear)	5' 5" (rear)

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Ford Motor Company Ltd

With our compliments

Vehicle Data

General	Artic Unit	S.W.B.	L.W.B.
Wheelbase	122"	128"	157"
Track—front	5' 7.59"	5' 7.59"	5' 7.59"
rear	5' 5"	5' 5"	5' 5"
Turning circle(average)	44' 3"	49' 3"	58' 10.5"
Ground clearance (approx.)	9.24"	9.24"	9.24"
Maximum gross laden weight (including driver)	190 cwt.	135 cwt.	135 cwt.
Trucks	—	S.W.B.	L.W.B.
Unladen weight (approx.) petrol	—	48 $\frac{1}{2}$ cwt.	50 $\frac{1}{2}$ cwt.
diesel	—	50 $\frac{1}{2}$ cwt.	52 $\frac{1}{2}$ cwt.
Overall dimensions—			
length	—	19' 0"	22' 6"
width	—	7' 0.25"	7' 0.25"
height	—	7' 4.5"	7' 4.25"
Load space—length	—	11' 0"	14' 6"
width	—	6' 7.25"	6' 7.25"
height	—	1' 6"	1' 6"
Approximate loading height (unladen)	—	3' 10.6"	3' 11.5"
Chassis Cabs	—	S.W.B.	L.W.B.
Maximum legal length behind cab	10' 11.82"	11' 8.32"	15' 0.5"
Weight (approx.)—			
petrol	42 $\frac{3}{4}$ cwt.	42 $\frac{1}{2}$ cwt.	42 $\frac{1}{2}$ cwt.
diesel	44 $\frac{1}{2}$ cwt.	44 cwt.	44 $\frac{1}{2}$ cwt.