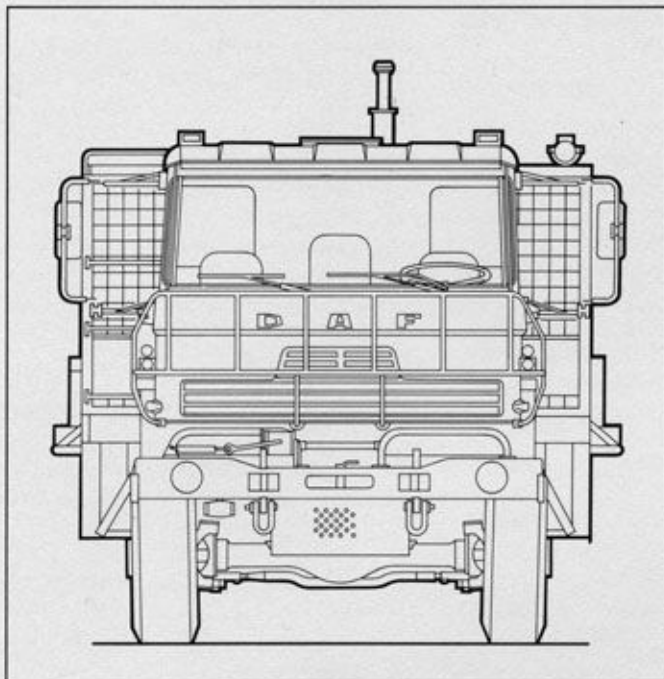
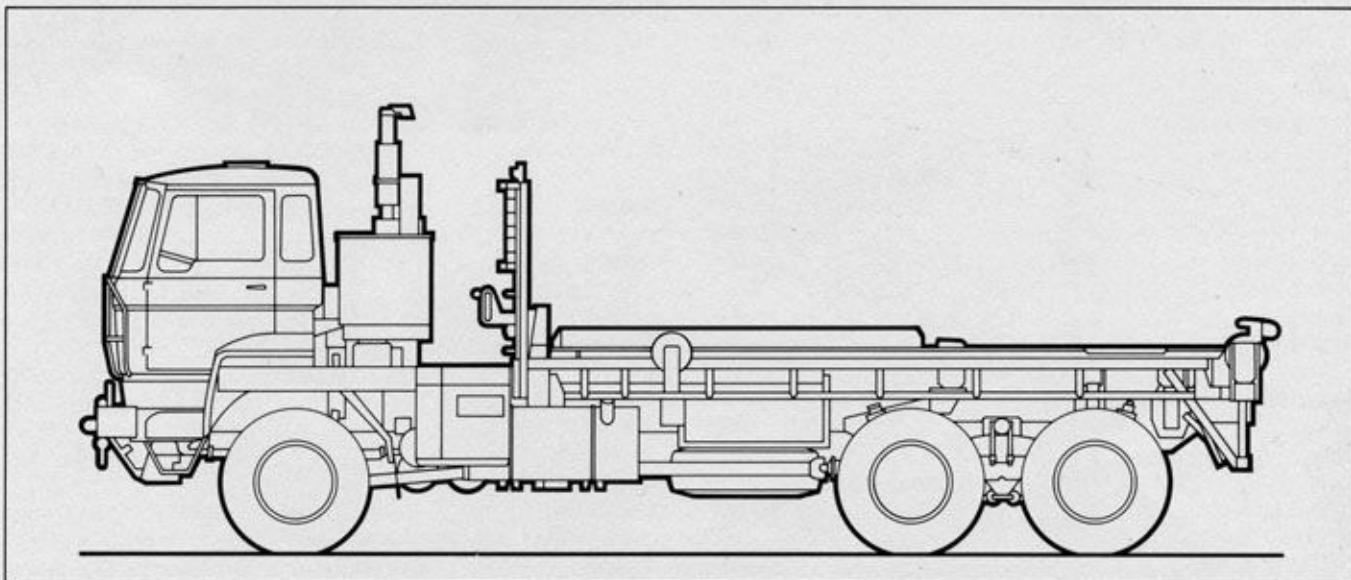


## Technical specification



DAF YGZ 2300 DHS 6 x 6 bridging vehicle  
with 6,5 tonnes cross country payload



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The specifications contained herein were in effect at the time this pamphlet was approved for release. They are subject to modification without prior notice.

**DAF YGZ 2300 DHS 6 x 6 bridging vehicle with  
6,5 tonnes cross country payload**

**Dimensions**

Length, with ribbon bridge	10.27 m
without ribbon bridge	8.75 m
Width, with bridge	3.45 m
Height, with bridge	4.00 m
Wheelbase	5.35 m
Track - front	2.05 m
Track - rear	2.10 m
Overhang front	1.50 m
Overhang rear without bridge	1.90 m

**Weights**

Kerb weight:	13.700 kg
Payload	6.500 kg
Front axle, permissible	6.150 kg
Rear axle, permissible	14.000 kg
GVW permissible	20.150 kg

**Performance**

Angle of approach, laden	30°
Angle of departure, laden	20°
Belly clearance	0.45 m
Ground clearance	0.32 m
Fording depth, unprepared:	
front	max. 0.75 m
rear	max. 1.20 m
Gradient, laden without trailer	max. 50%
Side angle	max. 30%
Speed continuous, approx.	88 km/h
Turning circle	22 m
Range (fuel tank 300 ltr.)	min. 600 km

**Drive line**

**Engine**

Make	DAF
Type	DHS 825, diesel, 4-stroke 6-in-line, direct injection, turbocharged, liquid cooled (charge cooling)
Bore and stroke	118 x 126 mm
Displacement	8.25 litres
Compression ratio	15:1
Output	184 kW (250 hp)/2400 rpm According to DIN 70020 (EC 72/306)
Torque	915 Nm (93.3 kgfm)/1500 rpm
Fuel pump governor	All-speed
Torque converter:	
Make	ZF
Type	WSK 400/25
Ratio	max. 2.3

**Gearbox**

Make	ZF
Type	5 S-111 GPA, 8 speed forward and 1 speed reverse
Ratio 1st gear	8.66:1
2nd gear	6.18:1
3rd gear	4.48:1
4th gear	3.51:1
5th gear	2.53:1
6th gear	1.80:1
7th gear	1.31:1
8th gear	1.02:1
Reverse	12.03:1

**Dropbox**

Make	ZF
Type	A 600/3D, incl. lockable diff. in permanent front wheel drive. Dropbox is an integral part of the gearbox. The gearbox ratios shown include the dropbox ratio (1.02:1).

**Front axle**

Make	Kirkstall
Type	DS 65
Ratio, final incl. hubreductions	5.48:1
Brake area p/wheel	1290 sq. cm.

**Rear bogie**

Make	DAF
Type	2699 T, with lock. diff.
Ratio, final incl. hubreduction	5.48:1
Brake area p/wheel	1680 sq. cm.
Bogie is provided with a lockable interaxle differential.	

**Wheels and tyres**

Wheels	10.00 x 20 tubeless
Tyres	14.75/80R20 Michelin XL; single mounting

**Frame**

Designed as a common ladder type platform (partly bolted and partly riveted), comprising of two U-type longitudinal members and U-type and Omega-type crossmembers; the longitudinal members are reinforced over the full length.

**Suspension**

Front suspension	
Make	DAF
Type	Semi-elliptic
Specific deflection	3.13 mm/kN
Shock absorber front	Koni type 90 telescopic double acting, adjustable

**Rear suspension**

Make	DAF
Type	Semi-elliptic
Specific deflection	0.46 mm/kN

**Steering**

Make	ZF
Type	8046 hydraulic, power assisted

**Brake system**

Type	Air mechanical, 2 line, dual circuit in acc. to EC regulations
Operating pressure	600-800 kPa (6-8 bar)
System guard	Bendix air-dryer
Parking brake	Spring brake cylinders on front axle and second rear axle
Retarder	Exhaust brake
Trailer brake connection	not applicable
Trailer brake	not applicable
Brake force adjustment	not applicable

**Electrical equipment**

System	Splashproof/radio suppressed
Voltage	24V
Alternator	28V/55A
Battery	2 x 125 Ah
Starter motor	6.6 hp/5 kW
Connector	Slave connector, trouble light connector at rear and front
Lighting	Standard commercial vehicle lighting and black-out lighting according to NATO requirements
Controls	Instrument panel is provided with a revolution counter, a speedometer, a combined unit comprising, a temperature gauge, a pressure gauge, a fuel gauge, and warning lights for main/dipped beam, direction indicators, air inlet vacuum sensor, parking brake, oil temperature torque convertor, PTO, lock-up of differentials.

**Towing facilities** At front a NATO push-pull pin. The front bumper is provided with 2 towing and 2 lifting eyes.

**Cab** Tilt cab is derived from the commercial F 218 cab. Three seats available.  
Production meets the NATO Quality Control System Requirements for Industry AQAP 1 (Stanag 4108).