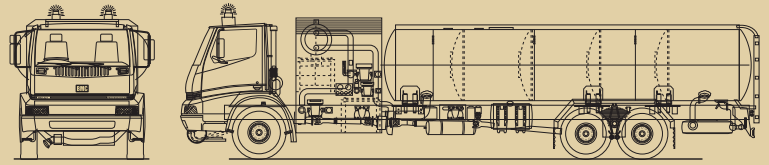


BMC 832 (6x4) RIGHT HAND DRIVE AIRCRAFT REFUELER

5.000 US GALLON ALUMINUM TANK, 2271 lpm (600 GPM) PUMP

MODEL	BMC PROFESSIONAL 832
DRIVER CAB TYPE	Steel welded, special for transportability within C130 cargo plane, forward control
CHASSIS USAGE TYPE	5000 USG Refueler
WHEEL CONFIGURATION	6x4
ENGINE	
MAKE/MODEL	CUMMINS C 300 20 (Euro-2)
TYPE	Turbo intercooler, diesel
NUMBER OF CYLINDERS	6
TOTAL DISPLACEMENT	8.268 lt
POWER	300 PS (221 kW) @ 2200 rpm
TORQUE	1125 Nm @ 1400 rpm
FUEL SYSTEM	
FUEL INJECTION PUMP MAKE	BOSCH
MODEL	In line type
FUEL TANK CAPACITY	230 liters
CLUTCH	
TYPE	Single plate dry disk, servo assisted hydraulic
TRANSMISSION	
MAKE/MODEL	ZF 9S-109
NUMBER OF GEARS	9 forward, 1 reverse (Fully synchromesh except first and reverse gear)
STEERING	RHD
TYPE	Integral type, hydraulic
BRAKES	
BREAK SYSTEM TYPE	Full air service brake, pneumatically actuated spring type parking brake, ABS/ASR,
RETARDER TYPE	Exhaust brake
SUSPENSION	
TYPE (FRONT AXLE)	Semi-elliptic, leaf spring, telescopic shock absorbers
TYPE (REAR AXLE)	Semi-elliptic tandem leaf spring
ANTI-ROLL BAR	Front axle
CHASSIS	With clamp rings
PROFILE TYPE	"z" section steel in one piece profile
REINFORCEMENT TYPE	"z" section steel profile inside reinforcement, in one piece
TYRES	315 / 80 R 22.5, 10+1 spare
RIMS	9.00 x 22.5, 10 Wheel nuts, steel
ELECTRICAL SYSTEM	
VOLTAGE	24 V, negative (-) ground (double poles)
BATTERIES	2 x 12V, 150 Ah
ALTERNATOR	70 A
STARTER MOTOR	24 V, 7.8 kW



AIRCRAFT REFUELER SPECIFICATIONS

General Specifications

Refueling/defueling for fighting aircrafts, civilian aircrafts and helicopters through under wing and over wing hoses

Fully automatic operation of fuelling, refueling, bottom loading, and taking fuel from the tanker or outer source

Recycling operation

Transportability internally by C 130 Hercules cargo plane

Pump

Vehicle gear box PTO driven fuel pump with a capacity of 600 US-GPM, with by-pass system and pump operation indicator within the fuel control cabin

Pump protection filter at pump suction line

Pressure indicators for pump suction/delivery and refueling lines

Tank

5,000 USG net tank capacity

5 mm thick aluminum tank body made of ASTM 5000 series material

Anti-slashing baffles

Water collection and drainage unit with discharge valve under the tank

Manholes and filling cover

Flame holding vent to regulate formed pressure or vacuum inside the tank, allows dispensing while it is open

Aluminum ladder to climb the tank

Anti-skid type cat walk on the top of the tank body

Upper level controlled bottom filling system

Minimum 50 cm wide walking path on the top of the tank body

Upper level controlled deep filling system

Fuel level gauge on the tank body

Inclined production in length and breadth to drain the tank perfectly

Flexible connection to the vehicle chassis

Fuel Control Cabin

Fuel control cabin is located in front of the tank with two units of side doors and roof can be dismantled for maintenance

One remote control dead-man device

Control and display board with operation instruction and system flow diagram

Control cabin illumination and direction adjustable projectors for night works

Revolution counter and hour-meter on the display board for pump

Natural ventilation of the control cabin to avoid fuel vapor accumulation

Pneumatic control valves for controlling the fuel valves automatically

Micronic Filter / Water Separator

Micronic filter/water separator with gas eliminator, differential manometer and water indicator, suitable to pump capacity

Level controlled water collection and drainage unit with discharge valve for the filter

Fuel sampling points

Counters

2 units resetable counters with USG scale for refueling, suitable to pump capacity

Indication of the total given amount and fueling amount

Flow meters for each fueling lines

Valves

Pneumatically controlled fuel valves for the fueling system

Safety valve at the tank outlet

By-pass valve for the pump, pressure control valve and adjustable venturi for fueling

Hose Reels and Hydraulic System

Two units of refueling hose reels with hydraulic control for re-winding the hoses

Vehicle gear box PTO driven hydraulic pump

Hydraulic oil pressure indicator for the hose reels

Hoses, Single Point Adapter and Fuel Pistol

Two units of aviation type hoses with static electric discharge conductor, connected a single point adapter at the end of one hose and fuel pistol at the end of the other hose

Shock alleviator

Static Electricity Grounding Reels

Two units of automatic grounding reels with PVC coated, 30m long static electric grounding cable with socket and clip

Electrical System

Electrical system which is not affected by fuel vapor, double poled

Complementary Sub-Systems

Remote control main switch for vehicle battery to shut down electricity of the system

Automatic and manual engine speed regulation in the control cabin for the pump

Automatically actuating brake system for the vehicle while refueling

Automatic fire extinguishing system, external fire extinguishers, and emergency stop buttons

Beacon lamps

Documentation

Operation and Maintenance Manuals, Spare Parts Manuals, Repair Manuals

CERTIFICATIONS

- ISO 9001
- AQAP 2110
- NFPA 407

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The manufacturer reserves the right to modify design and specifications without prior notice.



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