



# FELDBINDER (UK) Ltd.



Characteristic	Specification
<b>FFB type</b>	EUT 36.3-2/1
<b>volume approx.</b>	36000 ltr
<b>for the transport of</b>	building material
<b>fifth wheel load</b>	13 t
<b>technical fifth wheel load</b>	14 t
<b>axle load</b>	24 t
<b>technical axle load</b>	27 t
<b>gross vehicle weight according to drawing</b>	37 t
	B17080a
<b>fifth wheel height</b>	1300 mm
<b>country of registration</b>	Great Britain
<b>special feature</b>	Suitable for UK operation at 44 tonnes.
<b>tank</b>	Aluminium tank as pressure vessel is made in a self-supporting welding construction.
<b>number of compartments</b>	1
<b>number of hoppers</b>	2
<b>outlet cone</b>	welded to cone
<b>diameter of outlet cone</b>	DN 800
<b>type of aeration</b>	aeration pad made of synthetic material
<b>rain band</b>	on left and right hand side, open at front and rear
<b>operating parameters</b>	The operating parameters of the pressure vessel are:
<b>operating pressure</b>	2 bar
<b>vessel regulations</b>	pressure vessel complies with EU pressure vessel regulations
<b>test pressure</b>	3 bar
<b>vessel wall thickness approx.</b>	5 mm
<b>operating temperature</b>	-40 up to +80°C
<b>options for loading</b>	At the top of the tank loading hatches are fitted, each closed pressure tight with a manlid.
<b>number of loading hatches</b>	3
<b>diameter loading hatches</b>	DN 450
<b>type of closure loading hatches</b>	each 4 stainless steel wing bolts
<b>option "options for loading"</b>	4"blind flange for filling line and 3" blind flange for vent line mounted, for future fitment of a GB II system
<b>material outlet</b>	Each outlet cone has a central material discharge with a diameter of 200 mm. Material line as follows:
<b>shut-off valve on material discharge</b>	4" pinch valve
<b>operation of shut-off valves</b>	pneumatically

<b>position of controls</b>	on the rear side panel with illumination
<b>air injection in material line</b>	injection air
<b>material line made of</b>	special steel
<b>diameter of material line</b>	DN 100
<b>type of material line</b>	collection material line
<b>bottom chute</b>	without
<b>material line leads out</b>	at the rear
<b>air injection at end of the mat. line</b>	ring jet
<b>coupling at the end of the mat. line</b>	Unicone DN 100
<b>option emergency shut off</b>	emergency shut off switch for two pinch valves in the material line One front right hand side, one rear right hand side by the controls
<b>air line</b>	A common air line is fitted on the operating side. At the front of the air line a connection coupling for the air connection hose is fitted.
<b>operating side air line + air manifold</b>	right
<b>air line made of</b>	aluminium
<b>diameter air distribution</b>	all air hoses and shut-off valves for top air, aeration, vent air and boost air are in 2"
<b>option air manifold</b>	controls for top air, vent and aeration at front controls for boost air near shut-off valve controls
<b>top air line</b>	2" at the front through the cone
<b>safety valve</b>	2 bar
<b>non-return valve</b>	standard
<b>vent air</b>	vent consists of hose line, leading to the front between the landing legs, controlled by Saunders handwheel
<b>exhaust silencer</b>	FFB standard exhaust silencer
<b>position of connection coupling</b>	directly connected to the power pack, with detachable hose
<b>coupling at the front of the air line</b>	Storz B
<b>shut-off valve on the air manifold</b>	aluminium dismountable ball valve
<b>external air connection at rear</b>	at rear
<b>coupling for external air connection</b>	Storz B
<b>option vent filter</b>	vent filter inside tank fitted on the top air nozzle
<b>option vacuum valve</b>	vacuum valve fitted to the manifold
<b>ladder and catwalk</b>	An aluminium catwalk leads along the top of the vessel. Design of ladder and catwalk as follows:
<b>side of catwalk and handrail</b>	on left hand side
<b>position of ladder handrail operated</b>	at rear on left hand side from ground level by a separate folding section of the ladder

<b>brake interlock when handrail lifted up</b>	with
<b>chassis</b>	The substructure connected to the vessel is made of special aluminium. The fifth wheel plate is fitted with an approved king pin.
<b>diameter king pin</b>	2"
<b>running gear</b>	Air suspended axle assembly in FFB-aluminium mounting.
<b>axle load</b>	3 x 9 t
<b>brand of axles</b>	BPW
<b>type of axles</b>	BPW ECO PLUS 3 Airlight II
<b>type of brake</b>	drum brakes 420 x 180 mm with automatic slack adjusters
<b>axle distance</b>	2 x 1310 mm
<b>brakes</b>	ABS/EBS air operated brake system fitted with spring brake. RSS – Rollover Stability Support. TPMS according to ECE-R141 with display in the cab
<b>number of sensor and module</b>	2-sensor 2-module
<b>brand of brake system</b>	Wabco
<b>spring brakes</b>	on three axles
<b>air suspension system</b>	Chassis with air suspension and automatic height adjustment.
<b>raise / lower valve + Return to Ride</b>	mounted on an operation panel at the right hand side in front of the axle
<b>tyres</b>	as follows:
<b>number of tyres</b>	6
<b>size of tyres</b>	385/65 R22,5
<b>brand of tyre</b>	Bridgestone
<b>wheels</b>	forged, Alcoa aluminium wheels, type Dura Bright
<b>number of wheels</b>	6
<b>wheel size</b>	22.5 x 11.75
<b>wheel offset</b>	0 mm
<b>wheel bolt</b>	26 mm
<b>wheel covering</b>	Single mudguards are mounted with stainless steel brackets.
<b>wheel covering material</b>	plastic, black
<b>mudflaps</b>	fitted on the rear mudguards
<b>electrics</b>	24 Volt electrical installation according to regulations consisting of: One 15 pin and two 7 pin sockets fitted in front of the fifth wheel plate. Multi-chamber lights at the rear. Yellow side marker lamps with indicator function. Rear marker lamps. Front marker lamps. Number plate lamps at rear.
<b>brand of rear lights</b>	Hella
<b>position of rear lights</b>	integrated into the underrun bumper
<b>type of rear lights</b>	multi-chamber lights
<b>technic of rear lights</b>	LED
<b>LED working light</b>	2
<b>position LED working light</b>	mounted on the operation side by the controls
<b>wiring of complete light system</b>	all components are fitted with intermateable connections
<b>landing legs</b>	For support the trailer is equipped with:

<b>type of landing legs</b>	mechanical landing gear fitted at front, operated from both sides, to enable tank to stand freely
<b>hose storage</b>	The trailer is equipped with hose carriers to transport delivery hoses. Hose carriers are mounted on stainless steel brackets.
<b>hose storage on LHS</b>	one pair of hose carriers comprising of two plastic hose carriers
<b>l. length of hose carriers</b>	5 mtrs
<b>l. diameter of hose carriers</b>	DN 200
<b>l. opening of hose carriers</b>	at rear with plastic doors
<b>delivery hoses</b>	without hoses
<b>rear bumper bar / sideguards</b>	The rear underrun protection is fitted to the rear end and integrated with rear lights. The new rear underrun protection meets all the requirements of UN ECE-R 58.03. Sideguards are mounted on stainless steel brackets on the left and right hand side of the substructure.
<b>sideguards made of</b>	aluminium anodised
<b>rear underrun bumper made of</b>	aluminium anodised
<b>rear cabinet</b>	with rear cabinet with one piece door opening to the top and internal light
<b>wheel chocks</b>	Without wheel chocks.
<b>further accessories</b>	The vehicle is equipped with the following accessories:
<b>standard equipment</b>	Two coupling spanners. Earthing connections.
<b>reflectors</b>	two short reflectorized signs
<b>loading pressure gauge</b>	analogue loading pressure gauge DN 100
<b>quantity + pos. loading pressure gauge</b>	One at the top with protection and one at the rear.
<b>compressor console</b>	aluminium compressor-console on the neck of the trailer
<b>compressor assembly</b>	FFB silent air power pack: CVS 1100 LS compressor with Hatz 4H50TICD stage 5 engine, complete mounted on a special aluminium console and fitted to the neck of the trailer. (no double frame) Engine speed 1600 - 2800 rpm with approx. 540 - 960 m <sup>3</sup> /h air supply. Battery incorporated into detachable assembly. Connection to airline by quick release Storz B coupling. Control panel is fitted at the right hand side together with the pinch valve switches. 100L aluminium fuel tank mounted on the left hand side behind the sideguards. With jump start points.
<b>ferry rings</b>	simple galvanized ferry rings
<b>hubodometer</b>	with
<b>painting</b>	Standard acrylic paint.
<b>tank colour</b>	White: RAL 9010
<b>chassis colour</b>	Black: RAL 9005
<b>lettering</b>	without
<b>clear coat</b>	without

<b>loading hatch and neck ring</b>	Painted
<b>conspicuity marking</b>	White conspicuity reflective tape on each side and red conspicuity reflective tape at rear
<b>anti slip painting</b>	Painted asymmetrically on complete length of tank