

B e t r i e b s a n l e i t u n g

Operating Instructions

Instructions de Service

Typ : LUMUL 2 x 90 kW
Type
Type

Besteller Von Roll AG
Customer Department Umwelttechnik
Commettant Hardturmerstr. 133 / Postfach 76 a
CH- 8037 Zürich

Betreiber : MVA- Bermuda
End User :
Utilisateur :

Auftrags-Nr. : 840.035
Order No. :
No. d'ordre :

Baujahr : 1989
Year of manufacture :
An de construction :

Betriebsanleitung

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Description of the Shear

The frame of the hydraulic bulky refuse shear is provided with longitudinal and transversal blades. The corresponding counter blades are fixed in the blade slide.

The blade slide is provided with long prismatic guides installed in guide ledges which are fixed in the shear frame and which are adjustable from the outside.

The material to be cut is firmly clamped and compacted by the stamper which is installed between blade slide and feeding box, thus preventing protruding of the material during the cutting process.

The bulky waste is fed into the feeding box and transported under the blades by the feeding pusher.

The volume of the feeding box can be extended by attaching a feeding hopper.

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Technical Data

Operating pressure	315 bar
Shearing force	3.500 KN
Stamper force	800 KN

Blade opening:	width	1.800 mm
	height max	960 mm
	height min	735 mm

Transversal blade length	450 mm
Stamper stroke	1.000 mm
Feeding height	1.500 mm

Feeding bed	length	3.600 mm
	width	1.750 mm
	height	1.000 mm

Hydraulic drive

2	High pressure pumps	Product:	HYDROMATIK
		Type:	A7F0132/60LPPB11

2	Low pressure pumps	Product:	Denison
		Type:	T6EC-052-014-1R28-B1

Hydraulic control

3	Control block (pump switch off)	No.	68409-B
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1	Control block (releasing)	No.	66025-E
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	Control block (shear - stamper)	No.	67577-B
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1	Control block (pusher)	No.	68600-A
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Weights

Shear frame - welding part	18.255 kg
Frame-assembly	3.500 kg
Blade slide	5.800 kg
Tramper body	2.530 kg
Tramper traverse	1.800 kg
Shear cylinder	3.450 kg
Tramper cylinder	800 kg
Transversal blade holder	1.100 kg

Shear frame complete ca. 37.235 kg

Feeding bed - welding part	8.200 kg
Bed assembly	1.700 kg
Pusher	5.050 kg
Pusher cylinder	1.420 kg

Feeding bed complete ca. 16.370 kg

Tank without oil filling	1.770 kg
Support	1.100 kg

Complete weight of Shear ca. 56.475 kg
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Sequence of Operations

Manual Operation

If selector switch in the control desk is set ot position 1 "**Manual Operation**", the individual movements of the shear can only be operated by actuation of the respective swivel or pushbuttons.

The pushbuttons must remain depressed until the required working position has been reached or until the pressure gauge indicates the maximum pressure.

Automatic Operation

If selector switch in the control desk is set to position 2 "**Automatic Operation**", the shear may be operated automatically by actuation of pushbutton "automatic ON".

With "automatic cutting" the operating cycle is performed by feeding pusher, tramper and blade slide. Tramper and blade slide are in starting position.