TWIN RAM BALERS OF THE SERIES

UPAMAX®

SPECIFIED PURPOSE

- Materials recycling facilities (MRF)
- Refuse recycling facilities
- Production sites for animal feed
- Collecting facilities for refuse and garbage
- Special installations









TECHNICAL DATA

UPAMAX	150 TC		230 TC	
Type (pressing force)	1500 kN		2300 kN	
Specific pressure	182 N/cm ²		190 N/cm ²	
Reference pressure	315 bar		315 bar	
Tunnel section (height x width x length)	75 x 110 x 110 cm		110 x 110 x 110 cm	
Hopper opening (length x width)	200 x 102 cm		200 x 102 cm	
Number of ties (standard)	7		7	
Rated power main drive	2 x 55 kW	3 x 55 kW	2 x 75 kW	3 x 75 kW
Massflow at input density (houshold refuse approx. 200 kg/m ³) $^{\scriptscriptstyle \star}$	25 t/h	35 t/h	42 t/h	55 t/h
Bale weight**	950 kg		1400 kg	
Baler throughput	150 m³/h	210 m³/h	250 m³/h	340 m³/h
Total weight	50 t	52 t	62 t	65 t

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* depending on input density and main drive

**depending on input density and bale length

subject to changes in design and dimensions!

	DIMENSIONS	150 TC	230 TC
	А	8.000	8.855
	В	3.200	3.755
	С	4.800	5.100
	D	600	600
t ti-t-	E	4.200	4.500
	F	4.800	5.100
	G	900	900
	н	1.100	1.100
	I.	2.380	2.380
	J	7.200	7.600
	К	2.420	2.420
	L	9.580	9.980
	М	12.000	12.400
	Ν	2.000	2.000
	0	1.020	1.020
	Р	1.300	1.500
	Q	1.100	1.100

subject to changes in design and dimensions!



Twin Ram balers



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1. POWER PACK

- Highly efficient robust baler main drive with axial piston pumps
- Design pressure 400 bar Working pressure 320 bar
- Completely encapsulated and sound-proof pump unit with optimum access to the main
- pumps Shortest response and adjusting times for the main pumps by servo-adjustments
- · Consideration of all basic legal information regarding water protection

2. MAIN CYLINDER

- Main cylinder of welded design
- Optimum access to the sealing package in case of any overhaul works
- All design parameters adapted to a multiple working pressure
- Long-lasting sealing elements at best guiding and sealing properties to accept high off-centre loads
- Fully encapsulated digital absolute position measuring system
- Rear flanging of the main cylinder saving removal / installation time of the cylinder

3. MAIN RAM

- All wear protection for all press plate contact surfaces
- Easy disassembly of all wear parts by using through bolts
- Cassette type front roller guidings for simple disassembly and inspection work
- Heavy roller guiding as well as sliding guides for press plate



4. PRESS CHAMBER

- Size of the maintenance doors sufficiently dimensioned for a lateral disassembly of
- press plate Fully wear protection of all contact surfaces due to complete planking with bolted wear plates
- Distorsion-proof and statically oversized design of the baler body and the press-box for accepting high off-centre loads











- 5. EJECTOR · Powerful ejector drive with centrally mounted
 - loads during the ejection of the bales · Ejector drive designed for multiple pump





6. LOCKING DOOR

- bolted guiding frame for accepting asymmetric
- operation therefore higher cycle times possible
- Locking door opens in the main compacting direction of the press which is practically excluding a machine stall even in the case of
- the most compact and heaviest materials Door guiding rails fully encapsulated ensuring
- a jamming-free operation

7. TYING CAGE

- Tying cage with laterally arranged automatic feed for positioning the bale to the strapping unit
- Selection of number of straps stepless possible
- Emptying of the whole baler possible at any time
- Maintaining the bale density without any cross section expansions in discharging section
- Separate hydraulic pump drive to achieve shortest cycle times



9.

Robust strapping unit suitable for all available types of strap

5.

- Tensioning force and strapping force stepless adjustable
- Cleaning and inspection of the strapping unit due to hinged body within shortest time possible
- Guiding track for strap completely made of stainless steel and fully protected against the entrance of liquids by labyrinth sealings

9. OPERATOR PANEL

- All electrical junction boxes made of stainless
- · All cables / plugs of fully encapsulated design
- Parameter settings via touch panel
- Operation by push-buttons
- · Fully encapsulated digital absolute position measuring system
- Analog recording of all pressure parameters Absolute position measuring system for bale
- positioning inside tying cage Remote control
- Modular baler safety system via key transfer sys-tem including the prevention of lock-in danger







