PROPOSAL QT. Q33050

REVISION 4

APRIL 13, 2021

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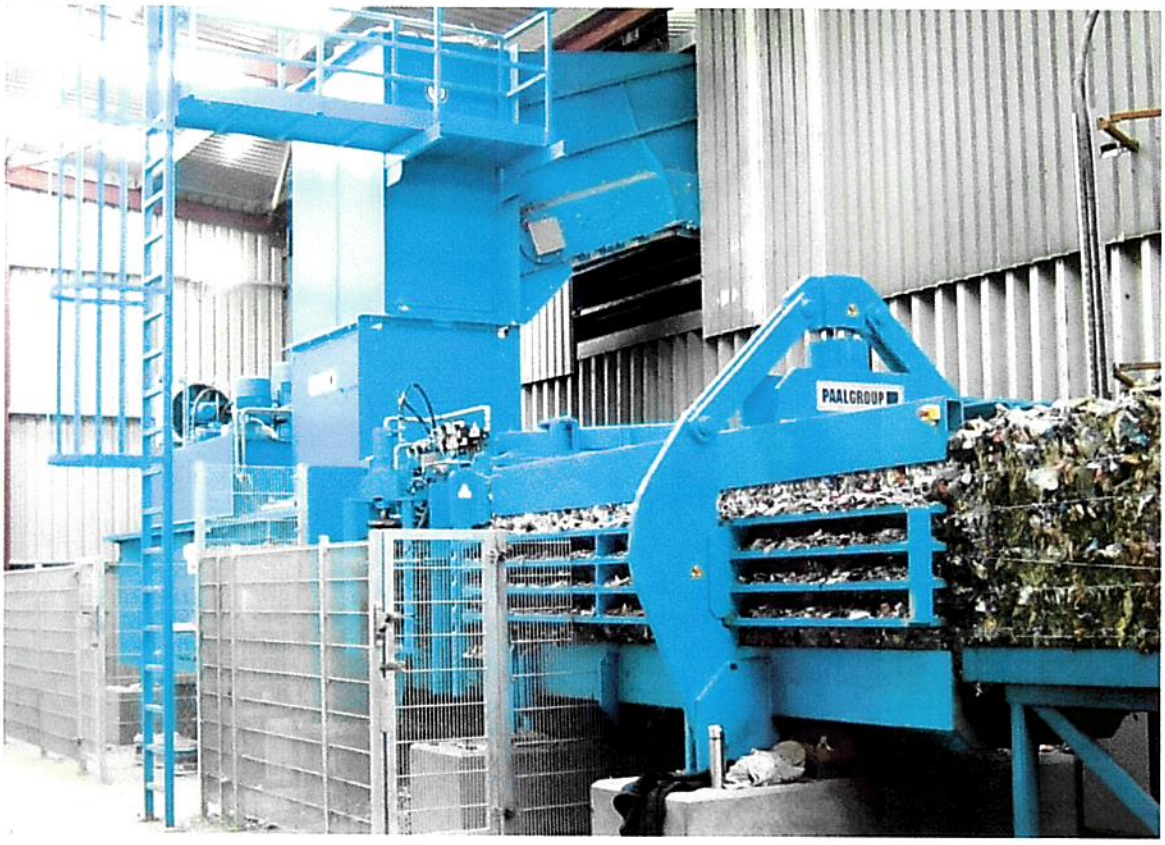
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Chambers Waste Management PLC

PAAL Dokon 600 H2 Fully Automatic RDF Channel Baler & KEF 1400 Conveyor with 3M above floor section

Guilford, Surrey GU1 1RR.



KADANT PAAL LTD.

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Basic Configuration and Technical Data :

RDF Channel Baler Type		Dokon 600H2
Pressing force (@315bar)	t	158
Specific pressing force	N/cm²	128
Channel, cross section (hxw)	cm	110 x 110
Press cylinder diameter	mm	250
Number of twines	pieces	5
Baler weight (dependant on equipment)	t	42

Installed power	kW	2 x 55
Pump flow rate	l/min	2 x 420
Press output (at input density 100kg/m³)	m³/hr	480
Press output (at input density 150kg/m³)	m³/hr	385
Press output (at input density 200kg/m³)	m³/hr	335
Press capacity (weight at RDF)		
• 100kg/m³.	t/hr*	ca. 48
• 150kg/m³.	t/hr*	ca. 57.8
• 200kg/m³.	t/hr*	ca. 67
Hydraulic oil tank volume	ltrs	2,100
Electricity	3 x 380-420 VAC / 50 Hz / PE 3 x 440-480 VAC / 60 Hz / PE	

(*) with continuous feeding, keeping baler hopper full and with recommended power pack size.

Baler complete for continuous operation including:

Machine design consisting of:
- Roller guided press ram at bottom and top (rollers with bearings),
- Pressure plate provided with grouped nipples for lubrication of all pressure plate rollers,
- Contact-free position measuring system at the ram for optimized motion-sequences,
- Bolted base plate made of special high resistant wear steel,
- Press box side walls as well as the top of the ram covered by bolted steel plates and press channel side walls, top and bottom covered by fixed steel plates (10mm thick),
- Large doors with quick release fastener and safety devices at both sides of the press box,
- Baler feeding hopper in standard design (275 with lateral secured plexigas door),
- Cutting system relief-grinded and receding towards the press tunnel sides,

Certificate Number 8435
ISO9001

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Technical data and measurements

DOKON		275 H			500 H			600 H			700 H		
pressing force	t (kN)	82 (802)			122 (1.197)			158 (1.546)			198 (1.940)		
spec. pressing force	N/cm²	91			99			128			160		
tunnel cross section	cm	80 x 110			110 x 110			110 x 110			110 x 110		
hopper opening	cm	160 x 102			200 x 102			200 x 102			200 x 102		
feeding volume	ca. m³	2,1			3,45			3,45			3,45		
number of twine tyings	pieces	4			5			5			5		
driving power	kW	37	55	2x 45	45	55	2x 55	2x 37	2x 55	3x 55	2x 45	3x 55	4x 55
press output (ideal)	max.m³/h	415	610	720	430	650	1135	630	930	1.265	520	1.070	1.325
press output (under load - 100kg/m³)	max.m³/h	220	300	370	250	325	535	340	480	645	315	575	710
press capacity (weight at RDF) (in relation to bulk weight)										2x45			
• 100 kg/m³	ca. t/h	22	30	37	25	33	53,5	34	48	64,5	31,5	57,5	71
• 150 kg/m³	ca. t/h	28,5	38	48	30	39	64,5	40,5	58	77	37,5	69	85,5
• 200 kg/m³	ca. t/h	31	41	51	35	46	75	48	67	90	44	81	99
baler weight (according to equipment)	ca. t	25			40			42			44		

Dimensions in mm	A	B	C	D	F	G	H	I	K	L	M	N	O	P
DOKON 275 H	11500	2354	5185	1600	2050	5307	6193	2835	435	800	3650	1020	920	1100
DOKON 500 H	13300	2569	5465	2000	2050	6507	6793	3115	435	1100	3930	1020	920	1100
DOKON 600 H	13800	2684	5465	2000	2050	7007	6793	3115	435	1100	3930	1020	920	1100
DOKON 700 H	14650	2684	5465	2000	2050	7707	6943	3115	435	1100	3930	1020	920	1100

Special FEATURES of the new DOKON H:

Advantages of the twine tying:

- easy disposal and no interference in a waste incineration process of the twine
- low operating costs by cheap twine (approx. half of the costs compared to wire)
- easy transport, storage and handling of the small 9 kg spools
- no safety hazard at distance wire ends

Higher throughput and bale weights combined with less energy consumption by:

- new optimized knife-, stamper- and channel-design
- modern axial piston pumps with low drive power
- using new positional ram measurement system

Latest state of the art according to the 2013 published European C standard for horizontal balers (EN 16252)

2x55 - 1.5.T 58 TPH.
2x75 - 1.5T 66 TPH - 8K.
3x55 - 1.5T 77 TPH - 18K.
3x75 - 1.5T 87 T.PH - 50K

600 BASE 355K 700 BASE 415.

