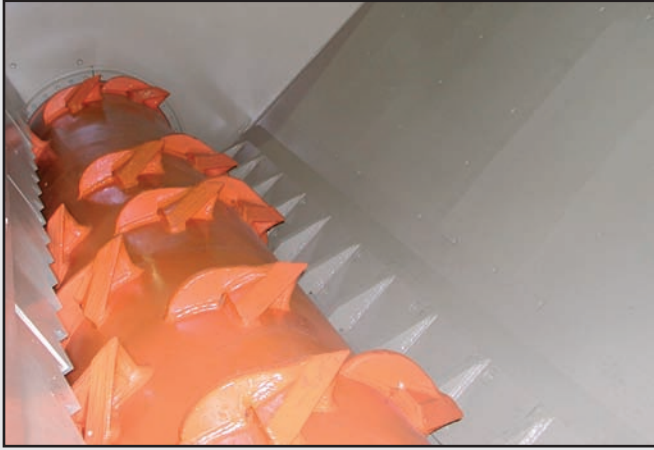


PAL

CRUSHERS

02
CRUSHERS

ALLIGATOR, ALLIGATOR-D, TIGER
DRUM CHIPPER, RE CHIPPER



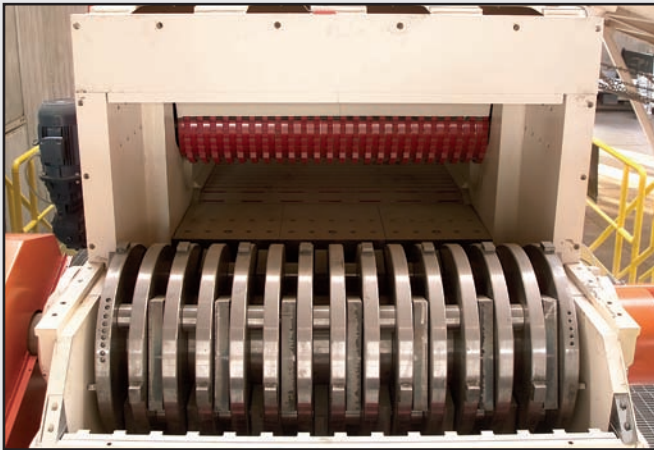
/ Pre-Crusher (Single Rotor Machine)

- large feeding hopper for bulky material;
- drastic volume reduction of bulky material like from 60-80 kg/m³ to 130-150 kg/m³ b.d.;
- discharge sizing screen.



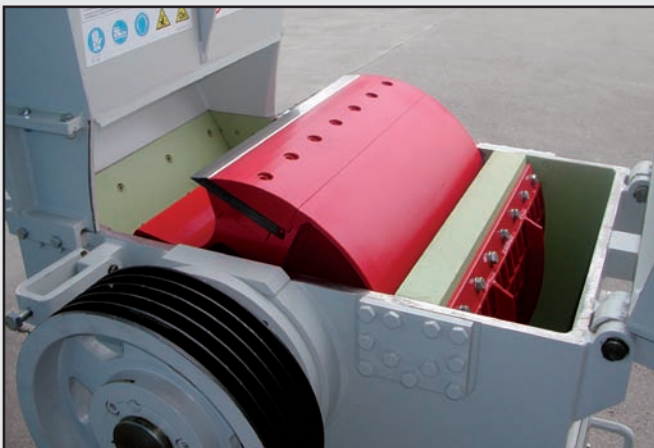
/ Pre-Crusher (Double Rotor Machine)

- low speed double crushing rotor equipped with strong teeth;
- hydraulic drives protected from overloads;
- provided of out-feeding belt and deferizzating unit as an integrated system.



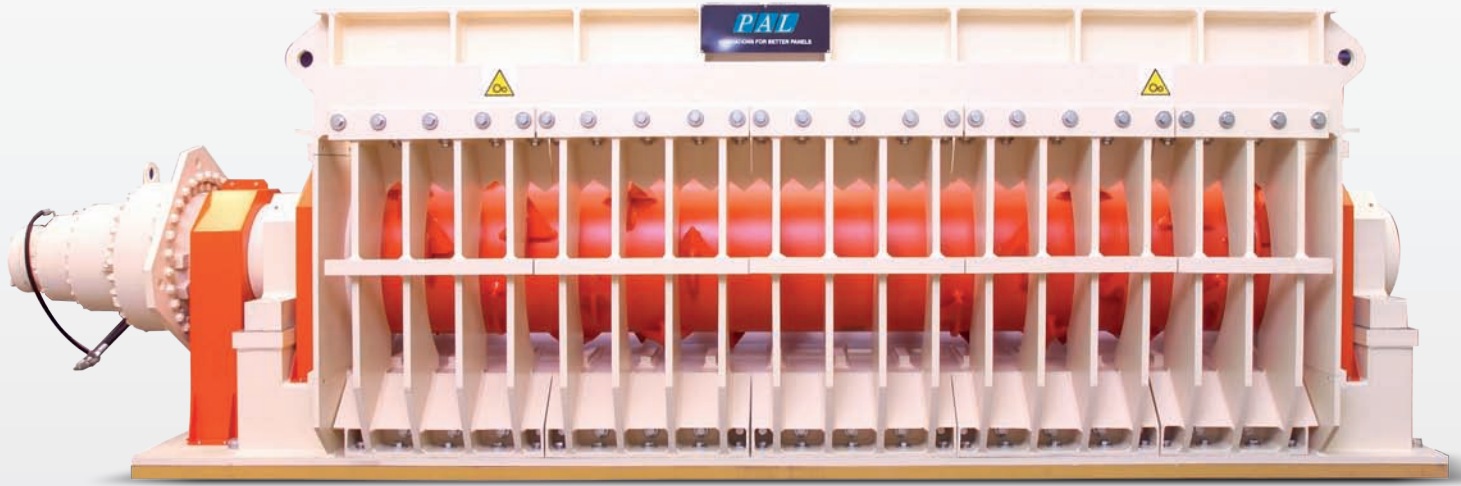
/ Crusher

- easy digestion of all urban forest material, bulky or pre-crushed, including pollutants such as minerals, stones, plastic, glass, ...
- digestion chamber in anti-wearing material provided of inspection gates;
- high speed rotor with strong long-life hammers.



/ Re-Chipper

- available with knife drum or hammers;
- counter-knife and sizing outfeed screen easily removable from outside;
- useful for oversize re-chipping after screening.



SINGLE-ROTOR PRE-CRUSHERS

01.01.A

ALLIGATOR

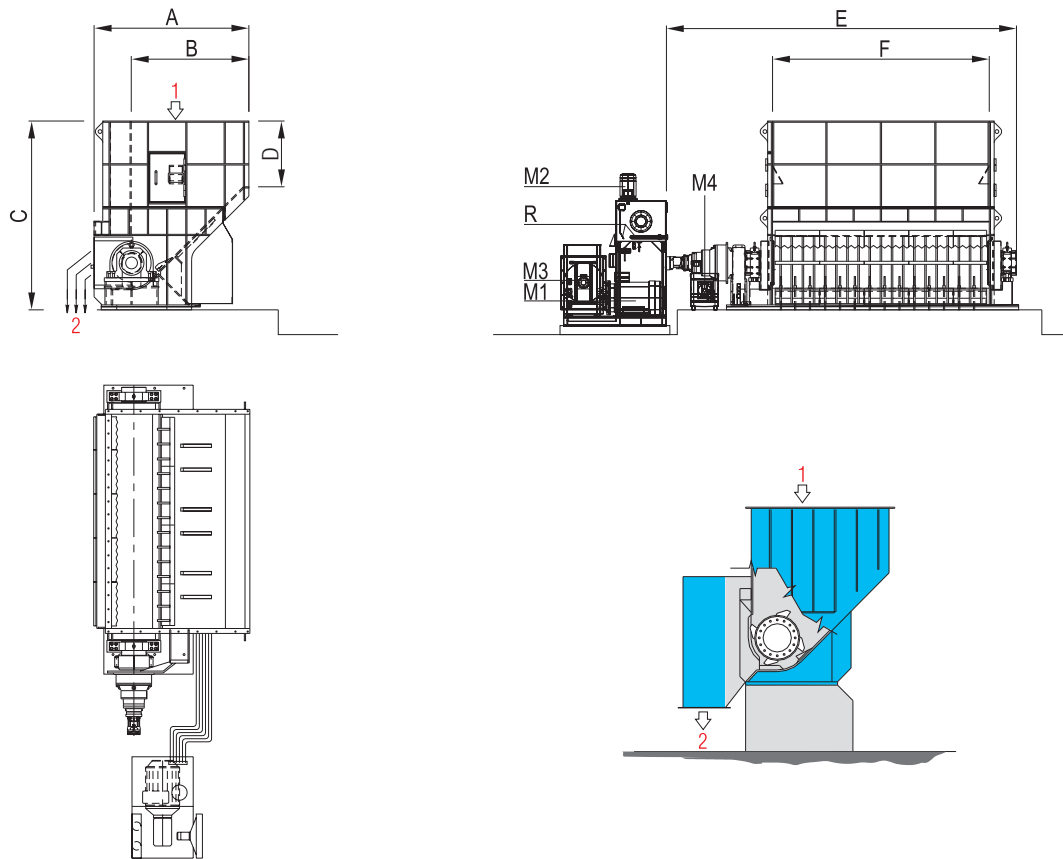
FROM URBAN FOREST TO PRE-CRUSHED MATERIAL

TECHNICAL FEATURES

/ Very large feeding hopper for bulky material / Low-speed crushing rotor equipped with strong teeth / Hydraulic drive protected from overloads / Hydraulic drive protected from overloads / Discharge sizing screen for pre-crushed material.

BENEFITS

/ Drastic volume reduction of bulky recycling, i.e. from 60-80 to 130-150 kg/m³bd / Easier & cheaper transportation of pre-crushed material / Full protection from overloads, e.g. from foreign bodies / Compact, simple, versatile, highly reliable and efficient system / Minimum noise / Very low maintenance / Low energy consumption.



1= INFEED M1= MAIN MOTOR M3= HEAT EXCHANGER FOR OIL R= RESISTORS FOR HEATING OIL
 2= OUTFEED M2= FEEDING HYDRAULIC UNIT M4= HEAT EXCHANGER FOR GEAR BOX

Not binding data. We reserve the right of modification at any time without prior notice.

01.01.A

ALLIGATOR

FROM URBAN FOREST TO PRE-CRUSHED MATERIAL

OVERALL DIMENSIONS mm

MODEL	A	B	C	D	E	F
ALLIGATOR 80-350/240	2500	1900	3050	1060	5720	3500

*Open side for feeding

MODEL	CAPACITY** t/h	INSTALLED POWER kW					WEIGHT APPROX. KG
		M1	M2	M3	M4	R***	
ALLIGATOR 80-350/240	15-25	75-90	7,50	1,10	0,75	3 x 2	22000

According to type-volume of material and infeed efficiency *Resistors for heating oil - option



DOUBLE-ROTOR PRE-CRUSHERS

01.01.A

ALLIGATOR-D

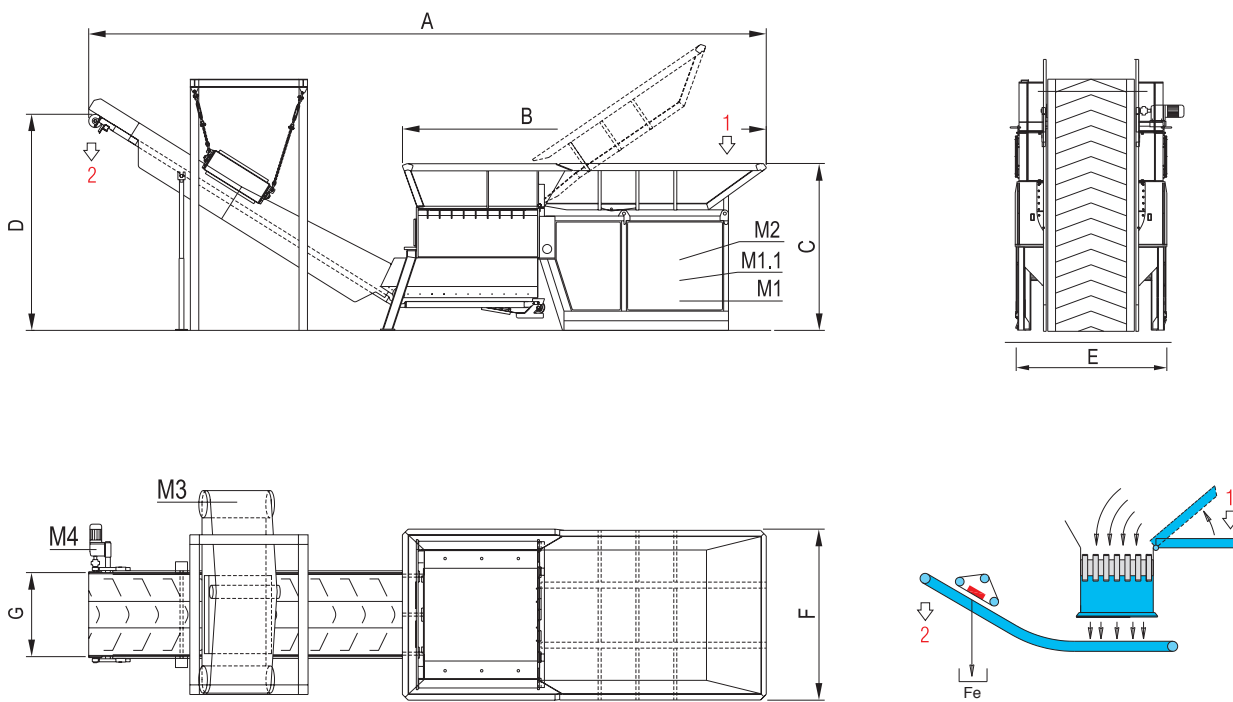
FROM URBAN FOREST TO READY CHIPS

TECHNICAL FEATURES

/ Integrated system including conveying belt and deferrizator / Very large feeding hopper for bulky material / Low-speed crushing rotors equipped with strong teeth / Hydraulic drive protected from overloads / Discharge sizing screen for pre-crushed material.

BENEFITS

/ High capacity / Drastic volume reduction of bulky recycling, i.e. from 60-80 to 130-150 kg/m³ bd / Easier & cheaper transportation of pre-crushed material / Full protection from overloads, e.g. from foreign bodies / Compact, simple, versatile, highly reliable and efficient system / Minimum noise / Very low maintenance.



1 = INFEED
2 = OUTFEED

Fe = FERROUS POLLUTANTS
M1 = MAIN MOTOR
M1.1 = MAIN MOTOR

M2 = HEAT EXCHANGER FOR OIL
M3 = OVERBELT MAGNET GEAR MOTOR
M4 = BELT CONVEYOR GEAR MOTOR

Not binding data. We reserve the right of modification at any time without prior notice.

01.01.A

ALLIGATOR-D

FROM URBAN FOREST TO READY CHIPS

OVERALL DIMENSIONS mm

MODEL	A	B	C	D	E	F	G
ALLIGATOR 85D-600/285	14680	6060	4209	4060	5520	2260	1400
ALLIGATOR 85D-220/200-W	15257	2200	4410	4500	5520	2450	1400

MODEL	CAPACITY* t/h	INSTALLED POWER kW						WEIGHT APPROX. KG
		M1	M1.1	M2	M3	M4	R**	
ALLIGATOR 85D-600/285	40-90	160	160	4 x 5,5	2,2	22	3 x 2	26000
ALLIGATOR 85D-220/200-W	19-30	160	160	4 x 5,5	-	22	-	26000

*According to type-volume of material and infeed efficiency **Resistors for heating oil - option



CRUSHERS

01.01.B

TIGER

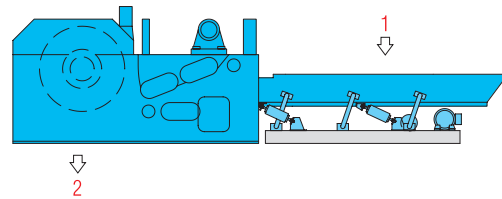
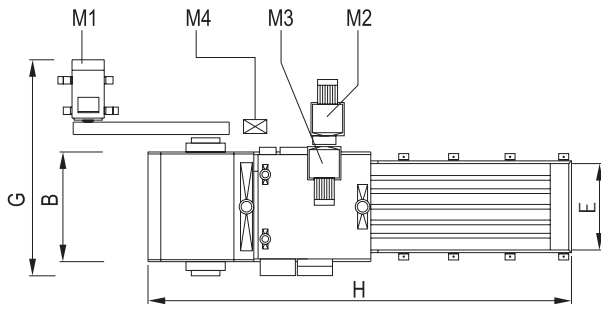
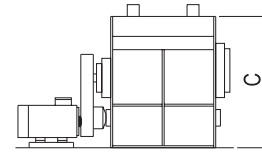
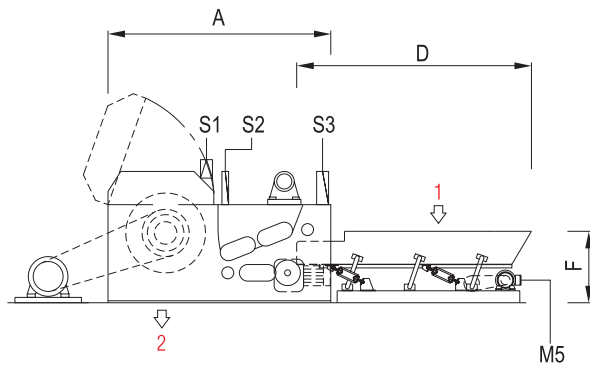
FROM URBAN FOREST TO READY CHIPS

TECHNICAL FEATURES

/ U-feeder based on vibrating channel or long chain-plate conveyor and terminal toothed rollers / Swivelling introduction head with toothed rollers / High speed rotor equipped with very strong hammers / Digesting chamber equipped with openable inspection gates and inner wearproof protections / Front flaps to reject indigestible materials such as large metallic contaminants, etc. / Very big strong hammers / Outfeed screen to control the size of crushed chips.

BENEFITS

/ Easy digestion of all urban forest material, bulky or pre-crushed / Easy digestion of pollutants such as minerals, stones, plastics, glass, etc. / Elimination of bigger and tougher heavy pollutants / Very low specific energy consumption and maintenance.



1 = PRE-CRUSHED MATERIAL
2 = CHIPS

M1 = MAIN MOTOR
M2 = INTRODUCTION ROLLS DRIVE

M3 = INTRODUCTION ROLLS DRIVE
M4 = SERVICE HYDRAULIC POWER UNIT
M5 = VIBRATING FEEDER

Not binding data. We reserve the right of modification at any time without prior notice.

01.01.B

TIGER 105-30/130-35 FROM URBAN FOREST TO READY CHIPS

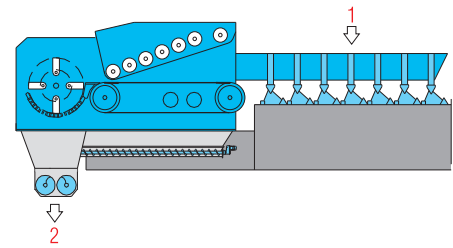
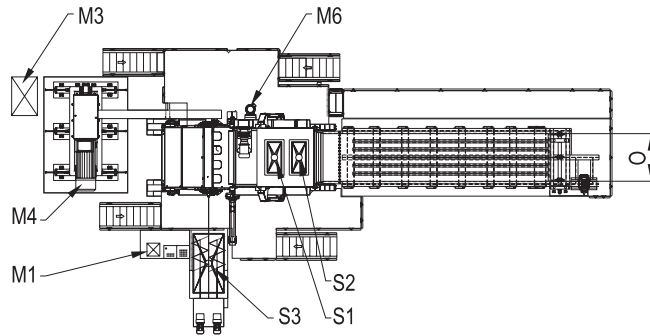
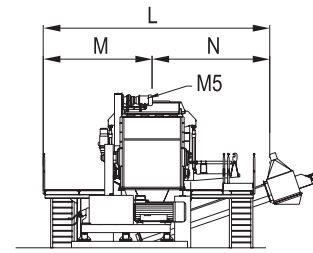
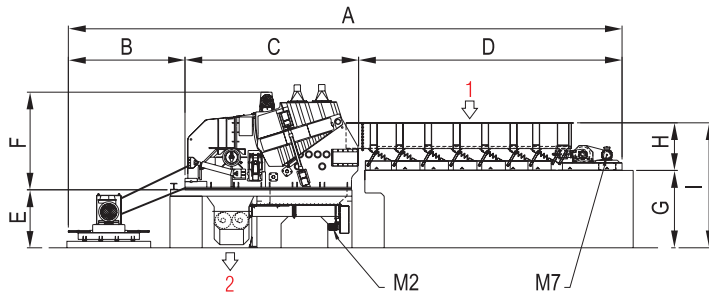
OVERALL DIMENSIONS mm

MODEL	A	B	C	D	E	F	G	H
TIGER 105-30	2750	1180	1530	3500	1000	840	2500	5770
TIGER 130-35	3350	1650	1975	3500	1300	1075	3250	6370

MODEL	INLET SECTION mm			ROTOR DIAMETER mm	CAPACITY* t/h	INSTALLED POWER kW					WEIGHT APPROX. KG TOTAL
	WIDTH	HEIGHT	HEIGHT OF MATERIAL			M1**	M2	M3	M4	M5	
TIGER 105-30	1030	380	300	1050	6-10	160-200	5,5	5,5	3,0	5,5	12350
TIGER 130-35	1320	480	380	1250	10-15	250	7,5	7,5	3,0	5,5	19500

*Based on pre-crushed material, bulk density 150 kg/m³ bd, moisture content < 25% bd **According to type, bulk density and moisture content of material to crush

MODEL	EXHAUST SUCTION S1			EXHAUST SUCTION S2			EXHAUST SUCTION S3		
	SUCTION m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa	SUCTION m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa	SUCTION m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa
TIGER 105-30	1 x 1500	29	1000	2 x 500	29	1000	1 x 1500	29	1000
TIGER 130-35	1 x 1500	29	1000	2 x 500	29	1000	1 x 1500	29	1000



1 = BULKY RECYCLING
2 = CHIPS

M1 = SERVICE HYDRAULIC POWER UNIT
M2 = CLEANING SCREW
M3 = HYDRAULIC POWER UNIT FOR MAIN MOTOR STARTING [OPTION]

M4 = MAIN MOTOR
M5 = INTRODUCTION ROLLS DRIVE
M6 = FEEDING BELT
M7 = VIBRATING FEEDER

Not binding data. We reserve the right of modification at any time without prior notice.

01.01.B

TIGER 150-70

FROM URBAN FOREST TO READY CHIPS

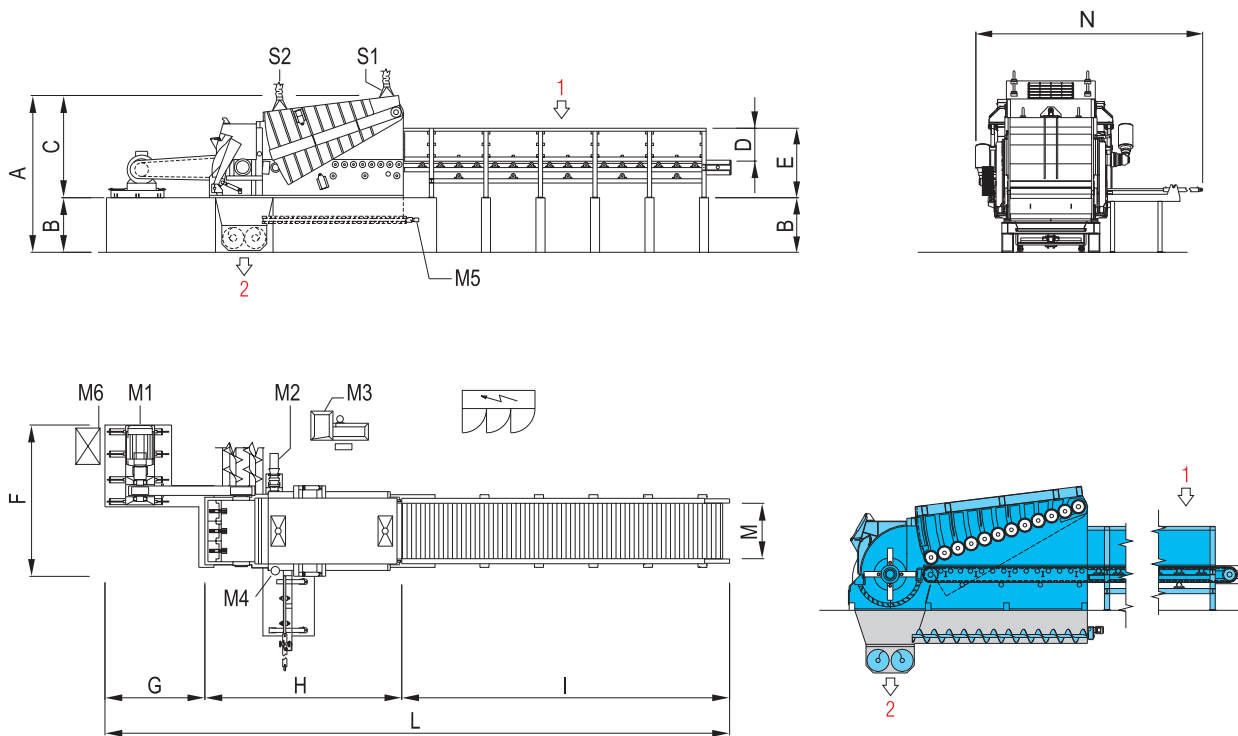
OVERALL DIMENSIONS mm

MODEL	A	B	C	D	E	F	G	H	I	L	M	N	O
TIGER 150-70	17190	3620	5390	8180	1800	3030	2400	1478	3878	7034	3380	3654	1450

MODEL	INLET SECTION mm			ROTOR DIAMETER mm	CAPACITY* t/h		INSTALLED POWER kW						WEIGHT APPROX. KG TOTAL	
	WIDTH	HEIGHT	HEIGHT OF MATERIAL		BULKY MATERIALS**	PRE-CRUSHED MATERIALS***	M1	M2	M3****	M4*	M5	M6		M7
TIGER 150-70	1550	700	400	1200	15-20	30-40	5,5	2,2	55	400-500	9,2	7,5	15	58260

*According to type, bulk density and moisture content of material to crush **Based on pallets, bulk density 100 kg/m³ bd, moisture content < 25% bd
Based on pre-crushed material, bulk density 150 kg/m³ bd, moisture content < 25% bd *Option

MODEL	EXHAUST SUCTION S1			EXHAUST SUCTION S2			EXHAUST SUCTION S3		
	SUCTION m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa	SUCTION m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa	SUCTION m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa
TIGER 150-70	2570	29	1000	2570	29	1000	2570	29	1000



1= BULKY RECYCLING
2= CHIPS
M1= MAIN MOTOR

M2= FEEDING CONVEYOR
M3= HYDRAULIC SYSTEM
M4= INTRODUCTION ROLLS

M5= CLEANING SCREW
M6= HYDRAULIC POWER UNIT FOR
MAIN MOTOR STARTING [OPTION]

Not binding data. We reserve the right of modification at any time without prior notice.

01.01.B

TIGER 180-90

FROM URBAN FOREST TO READY CHIPS

OVERALL DIMENSIONS mm

MODEL	A	B	C	D	E	F*	G	H	I	L	M	N
TIGER 180-90L	4128	765	3363	1080	2257	7881	3565	4487	6653	14705	1830	5546
TIGER 180-90	4426	765	3661	1080	2257	7881	3565	6631	10825	21021	1830	5546

*Variable according to motor size

MODEL	INLET SECTION mm			ROTOR DIAMETER mm	CAPACITY** t/h		INSTALLED POWER kW						WEIGHT APPROX. KG TOTAL
	WIDTH	HEIGHT	HEIGHT OF MATERIAL		BULKY MATERIALS***	PRE-CRUSHED MATERIALS****	M1**	M2	M3	M4	M5	M6*****	
TIGER 180-90L	1800	1350	900	1400	25-35	45-65	400-500	15	5,5	11	2,2	75	57540
TIGER 180-90	1800	1350	900	1400	25-35	45-65	400-500	15	5,5	11	2,2	75	67540

According to type, bulk density and moisture content of material to crush *Based on pallets, bulk density 100 kg/m³ bd, moisture content < 25% bd ****Based on pre-crushed material, bulk density 150 kg/m³ bd, moisture content < 25% bd *****Option

MODEL	EXHAUST SUCTION S1			EXHAUST SUCTION S2		
	SUCTION m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa	SUCTION m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa
TIGER 180-90L	2570	29	1000	2570	29	1000
TIGER 180-90	2570	29	1000	2570	29	1000



CHIPPERS

01.05.B

DRUM CHIPPER - DC

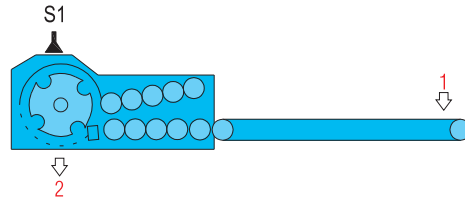
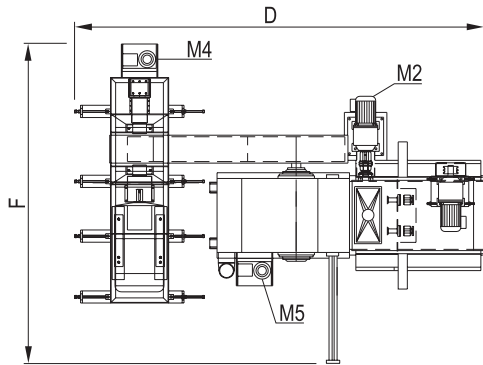
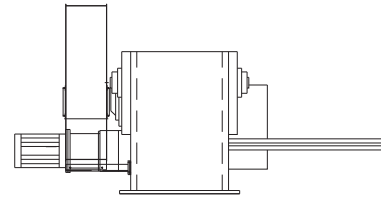
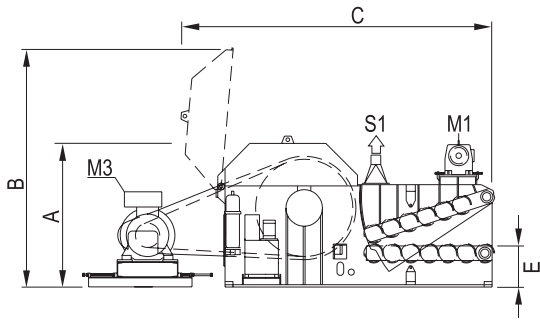
FROM FRESH WOOD TO READY CHIPS

TECHNICAL FEATURES

/ U-feeder based on vibrating channel or long chain-plate conveyor and terminal toothed rollers / Swivelling introduction head with toothed rollers / High speed rotor equipped with very strong blades / Digesting chamber equipped with easy openable inspection gates and inner wearproof protections / Outfeed screen to control the size of crushed chips.

BENEFITS

/ Easy digestion of all types of wood / Easy digestion of all logs dimension / Easy change of couterblade and blade with innovative system that shorten the backstops / Very low specific energy consumption and maintenance.



1= FEEDING OF FRESH WOOD

2= CHIPS
M1= UPPER ROLLS DRIVE

M2= LOWER ROLLS DRIVE
M3= MAIN MOTOR

M4= STARTER HYDR. UNIT
M5= SERVICE HYDR. UNIT

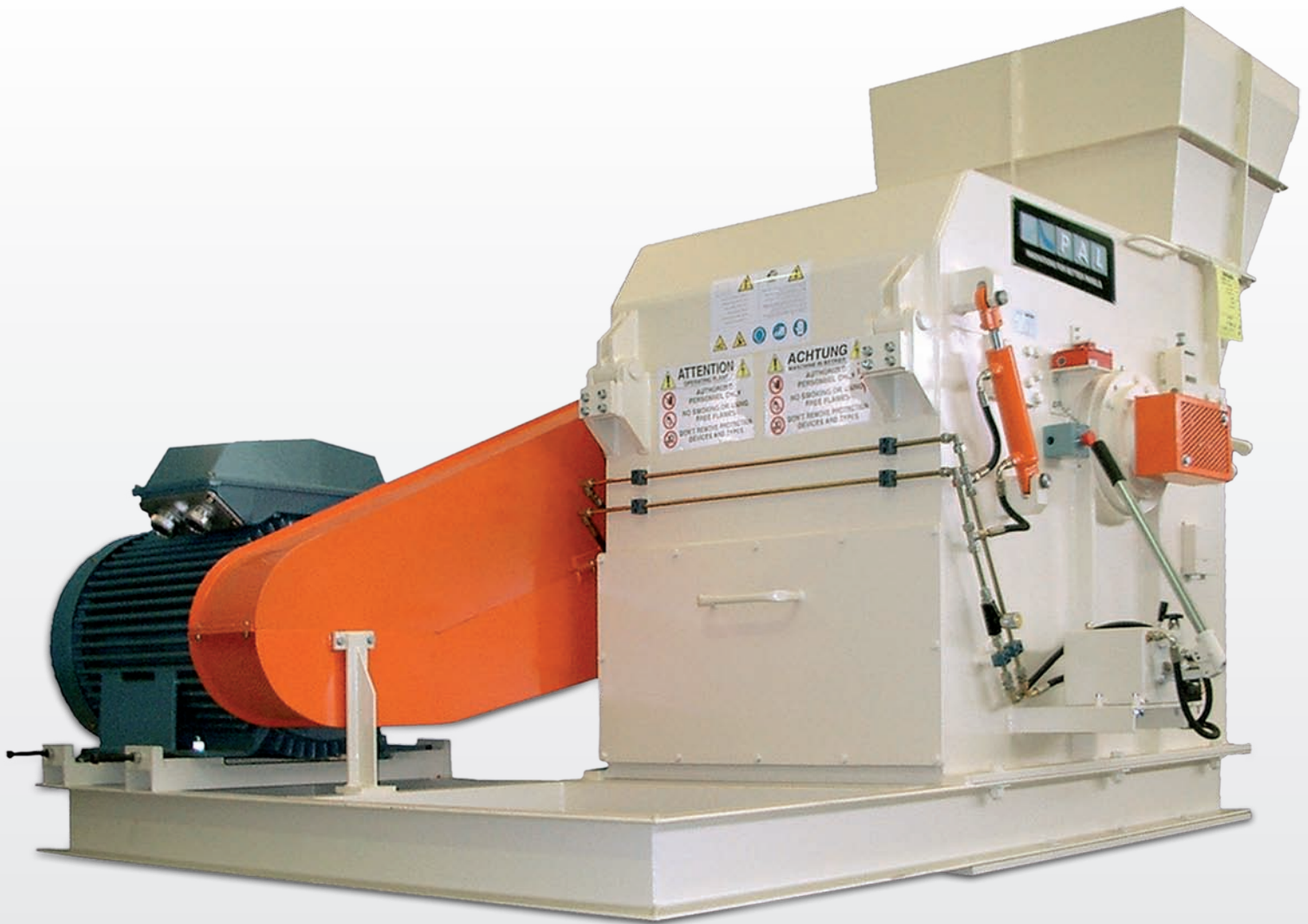
Not binding data. We reserve the right of modification at any time without prior notice.

01.05.B

DRUM CHIPPER - DC FROM FRESH WOOD TO READY CHIPS

MODEL	OVERALL DIMENSIONS mm						INLET SECTION mm		ROTOR DIAMETER mm	EXHAUST SUCTION S1			INSTALLED POWER kW
	A	B	C	D	E	F	WIDTH	HEIGHT		SUCTION m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa	
DC.600/450.160	1390	2365	1570		660	1370	450	160	600	1 x 3000	29	1000	According to type of material
DC.850/600.250	1490	2465	2130		660	1875	600	250	850	1 x 3000	29	1000	
DC.850/900.250	1490	2465	2130		660	1875	900	250	850	1 x 3000	29	1000	
DC.1050/600.300	1590	2565	2790		660	2480	600	300	1050	1 x 3000	29	1000	
DC.1050/900.300	1590	2565	2790	*	660	2480	900	300	1050	1 x 3000	29	1000	
DC.1250/900.300	1905	3155	3550		620	3085	900	300	1250	1 x 3000	29	1000	
DC.1600/1000.600	2408	4018	5260		750	3887	1000	600	1600	1 x 3000	29	1000	
DC.1600/1250.600	2408	4018	5260		750	3887	1250	600	1600	1 x 3000	29	1000	
DC.2000/1250.800	2615	4320	5785		900	4110	1250	800	2000	1 x 3000	29	1000	

*According to type of main motor



CHIPPERS

01.05.A/01.05.D

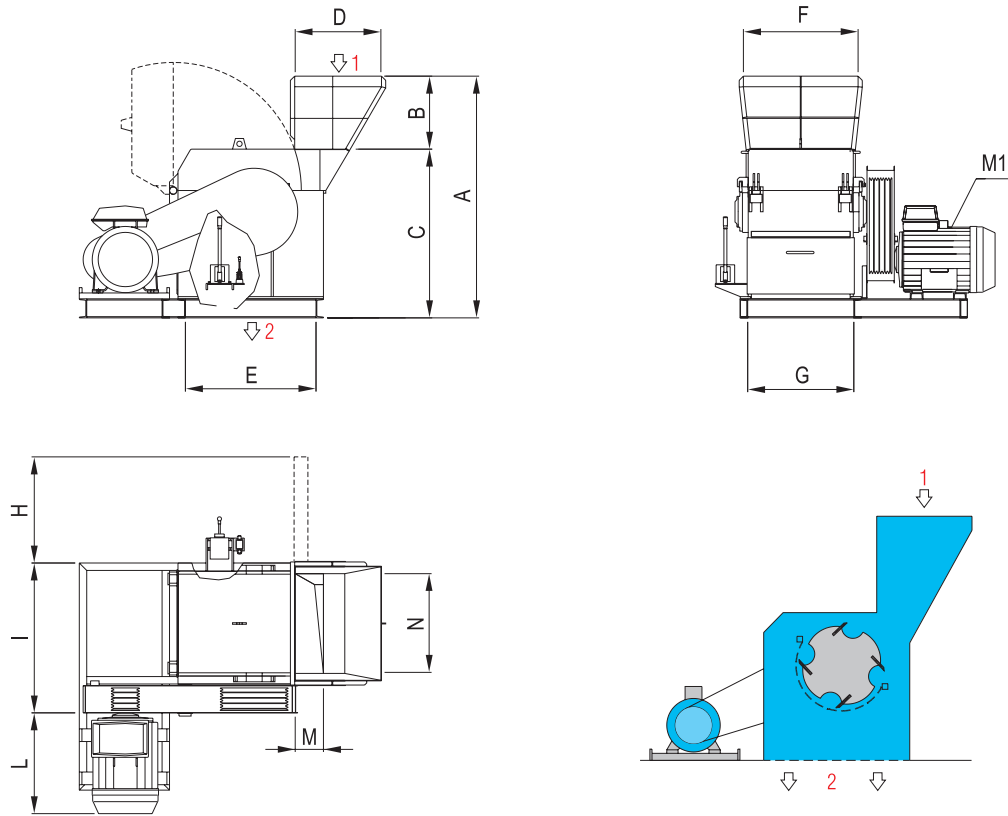
RE CHIPPER - RC

TECHNICAL FEATURES

/ Very strong knife drum: closed bottom • statically and dynamically balanced • splined to the main shaft fitted with supports and bearings • fitted with systems for adjustment and mechanical locking of the knives / Transmission system and guards / Very rugged body fitted with: counter-knife removable from outside • easily removable perforated screen • feeding hopper • top inspection hatch with safety limit switch • side inspection door / Assembling frame for machine and electric motor.

BENEFITS

/ Easy replacement of knives, counter-knife, hammers, counter-hammer and perforated screen / High efficiency / High reliability / Very low maintenance cost.



1= FEEDING
2= DISCHARGE

M1= MAIN MOTOR

Not binding data. We reserve the right of modification at any time without prior notice.

01.05.A/01.05.D

RE CHIPPER - RC

OVERALL DIMENSIONS mm

MODEL	A	B	C	D	E	F	G	H	I	L*	M	N
RE-CHIPPER RC.600.2	1890	685	1205	670	910	800	630	740	1015	755-820	180	660
RE-CHIPPER RC.850.4	2275	685	1590	810	1230	1080	1000	1000	1410	950-1015	250	930
RE-HAMMER CHIPPER RCM.850/75	2278	688	1590	810	1230	1100	1000	1000	1405	895	250	930
RE-HAMMER CHIPPER RCM.850/90	2278	688	1590	810	1230	1100	1000	1000	1405	900	250	930

*Variable according to motor size

MODEL	DRUM				CAPACITY		INSTALLED POWER kW	WEIGHT APPROX. KG
	DIAMETER mm	LENGTH mm	KNIVES pes	HAMMERS pes	BULK m ³ /h	t/h	M1**	
RE-CHIPPER RC.600.2	600	620	2	-	10-12	According to bulk density	30-45	2030
RE-CHIPPER RC.850.4	850	900	4	-	25-30		90-110	5000
RE-HAMMER CHIPPER RCM.850/75	850	900	-	32	20-25		75	5000
RE-HAMMER CHIPPER RCM.850/90	850	900	-	32	25-30		90	5050

**According to type of material