



# PRICE LIST 2025

ATTACHMENTS FOR EXCAVATORS AND FRONTAL

EN



A STEP AHEAD IN **TECHNIQUE.**  
**FUTURE** ORIENTED



Company with a Quality  
Management System  
Certified according to  
UNI EN ISO 9001:2015

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# HISTORY

1989

THE DEBUT AS SPECIALIZED METALWORKING WORKSHOP IN THE FAMILY HOUSE, IN THE RURAL AREA OF PAGNO, IN THE HEART OF THE ROMAGNA'S APENNINES.

1990

THE CANGINI BROTHERS SPECIALIZE THEIR ACTIVITY IN THE DESIGN AND PRODUCTION OF BUCKETS.

1992

THE YOUNG COMPANY IS ABLE TO CATCH THE MARKET'S SIGNS. THE CATALOGUE IS RICHER AND THE FIRST QUICK COUPLER, THE AR MODEL, IS PRODUCED.



1996

THE FIRST CANGINI ATTACHMENT JOINS THE CATALOGUE. THE COMPANY SETTLES IN THE NEW PLANT OF SARSINA.

2001

THE CR MECHANICAL QUICK COUPLER IS PLACED ON THE MARKET.

2006

THE EXPORT SHARE GROWS AND THE PRODUCTION AREA INAUGURATES ITS NEW 2,500 M².

2010

THE WORLD ECONOMIC CRISIS AFFECTS THE ITALIAN MARKET. CANGINI GROWS STRONGER THANKS TO ITS EXPORT SHARE.

2016

MENTION OF HONOUR TO SAFETY BY THE SAMOTER INNOVATION AWARD.

2017

NEW PRODUCTION AREA DEVOTED TO HYDRAULIC ATTACHMENTS (2,400 M²) WITH A NEW WATER-COATING PLANT.

2021

SWEDISH INVESTMENT COMPANY LIFCO AB ACQUIRED THE MAJORITY OF CANGINI BENNE SHARES, WHICH BECOMES PART OF THE DEMOLITION & TOOLS DIVISION, HEADED BY THE KINSHOFER GROUP.



CANGINI BENNE



THE BEST YEARS ARE THOSE STILL TO COME

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# TECHNICAL LEGEND

	WEIGHT		W/O ROTATION		BRUSH DIAMETER
	EMPTY WEIGHT		BIDIRECTIONAL ROTATION		MAX. PIPE DIAMETER
	FULL LOAD WEIGHT/OPERATING		SHAFTS		HEX KEY
	ALLOWED MAX CAPACITY		SELECTED THICKNESS DIAMETER		MATCHING BUCKET
	LIFTING CAPACITY		HAMMERS		ADAPTER
	OIL FLOWRATE		STANDARD Y BLADES + INTERMEDIATE KNIFE		EXCAVATOR
	OIL FLOWRATE REQUESTED FOR ROTATION		CUTTING DIAMETER		SKID LOADER
	TEETH LOADING CAPACITY		ROTOR DIAMETER		MINI SKID LOADER
	POWER		ROTOR MAXIMUM DIAMETER		WHEEL LOADER
	PRESSURE		DC TEETH + DTE TEETH		BACKHOE LOADER
	BELT TRANSMISSION		DF TEETH		TELEHANDLER
	ROTATION		BRUSH		TRACTOR

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PF/PG SORTING GRAPPLES	6			
PF/PG MULTIPURPOSE SELECTION GRAPPLE	8			
CH CLAMSHELL BUCKET	10			
WG WOOD GRABS	18			
WG-SP WOOD GRABS WG	20			
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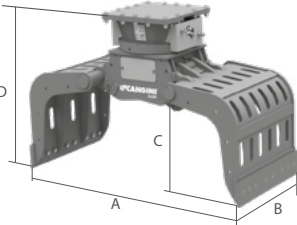



HB400




NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)


HYDRAULIC ROTATION STANDARDIZED ON ALL MODELS. DESIGNED TO HANDLE DIFFERENT MATERIALS. THE CLAWS WITH HB400 ELEMENTS ARE FITTED WITH BOLTED REVERSIBLE BLADES. ITS STRONG FRAME ALLOWS OPERATORS TO USE IT ALSO FOR LIGHT DEMOLITION WORKS.




	W/O COUPLER	KG (LB)	93 (205)	150 (331)	203 (448)	320 (705)	380 (838)	400 (882)	5 50 (1213)	590 (1301)	630 (1389)	645 (1422)
		MOD.	100PF	150PF	200PF	250PF	300PF	300PG	450PF	450PG	550PF	550PG

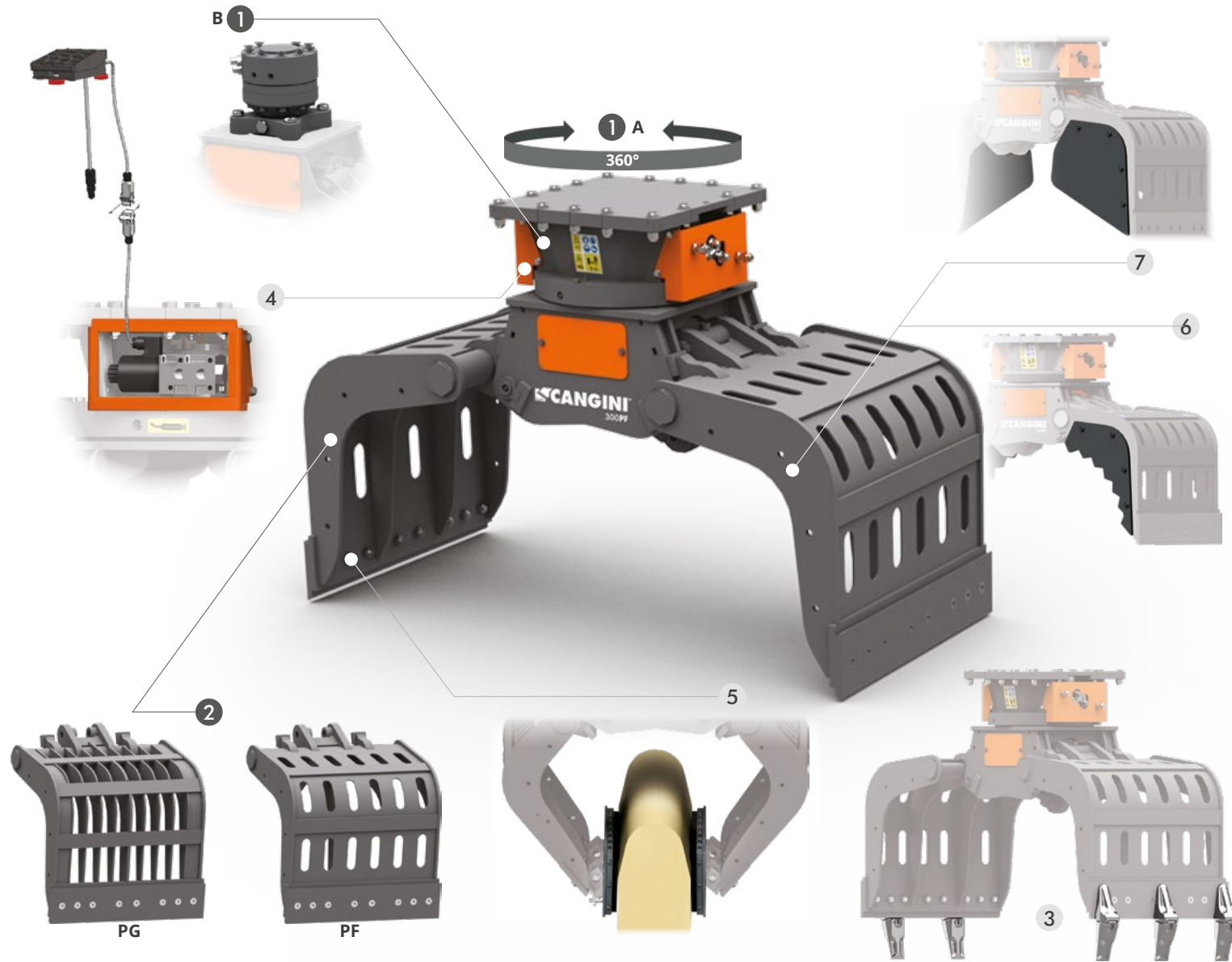
A	MM (IN)	700 (28)	900 (35)	1100 (43)	1300 (51)	1300 (51)	1300 (51)	1500 (59)	1500 (59)	1600 (63)	1600 (63)
B	MM (IN)	300 (12)	400 (16)	500 (20)	500 (20)	600 (24)	600 (24)	700 (28)	700 (28)	700 (28)	700 (28)
C	MM (IN)	270 (11)	300 (12)	330 (13)	390 (15)	410 (16)	410 (16)	460 (18)	460 (18)	480 (19)	480 (19)
D	MM (IN)	680 (27)	750 (30)	810 (32)	850 (33)	930 (37)	930 (37)	990 (39)	990 (39)	1030 (41)	1030 (41)

	MAX.	BAR (PSI)	180 (2611)	220 (3191)	245 (3553)	275 (3989)	350 (5076)	350 (5076)	350 (5076)	350 (5076)	350 (5076)	350 (5076)
		L/MIN (GAL/MIN)	25 (7)	25 (7)	25 (7)	60 (16)	60 (16)	60 (16)	60 (16)	60 (16)	60 (16)	60 (16)

	MAX.	BAR (PSI)	320 (4641)	320 (4641)	250 (3626)	250 (3626)	250 (3626)	250 (3626)	250 (3626)	250 (3626)	250 (3626)	250 (3626)
		L/MIN (GAL/MIN)	22 (6)	22 (6)	15/20 (3,9/5,2)	22/30 (5,8/7,9)	22/30 (5,8/7,9)	22/30 (5,8/7,9)	22/30 (5,8/7,9)	22/30 (5,8/7,9)	22/30 (5,8/7,9)	22/30 (5,8/7,9)

	N.	100PF	150PF	200PF	250PF	300PF	300PG	450PF	450PG	550PF	550PG
		DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 3 (KG 2,1)	DC 5 (KG 3,5)	DC 5 (KG 3,5)	DC 5 (KG 3,5)	DC 5 (KG 3,5)	DC 5 (KG 3,5)	DC 5 (KG 3,5)	DC 5 (KG 3,5)

3 DC TEETH



STANDARD

- 1 A HYDRAULIC ROTATION WITH SLEWING RING (EXCEPT THE 100PF AND 150PF MODELS)
- 1 B HYDRAULIC ROTATION WITH HYDRAULIC ROTATOR (ONLY FOR THE 100PF AND 150PF MODELS)

ALL SHEARS ARE EQUIPPED WITH A BIDIRECTIONAL HYDRAULIC ROTATION.

- 2 PG VERSION (HB400 MATERIALS) OR PF VERSION (HB400 MATERIALS)

PG VERSION MAKES THE CLAMPS PARTICULARLY RESISTANT AND IDEAL FOR HEAVIER WORKS.

OPTIONAL

- 3 DC TEETH  
IDEAL FOR THE STONES GRABBING AND THE HANDLING OF FILLING MATERIAL.
- 4 TWO PIPE KIT  
A BUILT-IN SOLENOID VALVE ENABLES USE OF HYDRAULIC ROTATION AND JAWS OPENING/CLOSING FUNCTIONS ON EXCAVATORS WITH ONE DOUBLE-ACTION.
- 5 CURB HANDLING KIT  
DEVICES WITH A RUBBER SURFACE FOR THE HANDLING OF CONCRETE CURBS.
- 6 TOOTHED SIDE CLOSING  
THE TOOTHING ENABLES TO HANDLE STONES AND/OR WOOD STONES AND/OR WOOD AND ENSURES A STEADIER GRIP.
- 7 SIDE CLOSING  
IT INCREASES THE GRAPPLE'S LOADING CAPACITY.





PF/PG MULTIPURPOSE SELECTION GRAPPLE



EXCAVATOR

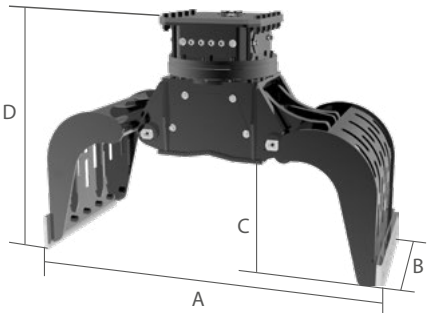


BACKHOE LOADER



NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)

THE SORTING GRAPPLE IS DESIGNED FOR HANDLING, RECYCLING AND TO CARRY EVEN SMALL DEMOLITIONS OF DIFFERENT MATERIALS ,THANKS TO ITS STRONG STRUCTURE. CONCEIVED TO HANDLE VARIOUS MATERIALS RELIABLY AND SAFELY. ITS EXTRA STRENGTH IS PROVIDED BY ITS HB400 WEAR-RESISTANT STEEL BLADES. THE STANDARD 360° HYDRAULIC ROTATION ENSURES MAXIMUM EFFICIENCY AND A PRECISE RESULT.



	W/O COUPLER	TONS (LB)	14,00 - 18,00 (30864,7 - 39683,2)		18,00 - 25,00 (39683,2 - 55115,6)	
		MOD.	1000PF	1000PG	1500PF	1500PG
	A	MM (IN)	1780 (70)	1780 (70)	1950 (77)	1950 (77)
	B	MM (IN)	800 (31)	800 (31)	1020 (40)	1020 (40)
	C	MM (IN)	570 (22)	570 (22)	675 (27)	675 (27)
	D	MM (IN)	1225 (48)	1225 (48)	1550 (61)	1550 (61)
	ROTATION	KG (LB)	1000 (2205)	1380 (3042)	1500 (3307)	2080 (4585)
			360°	360°	360°	360°

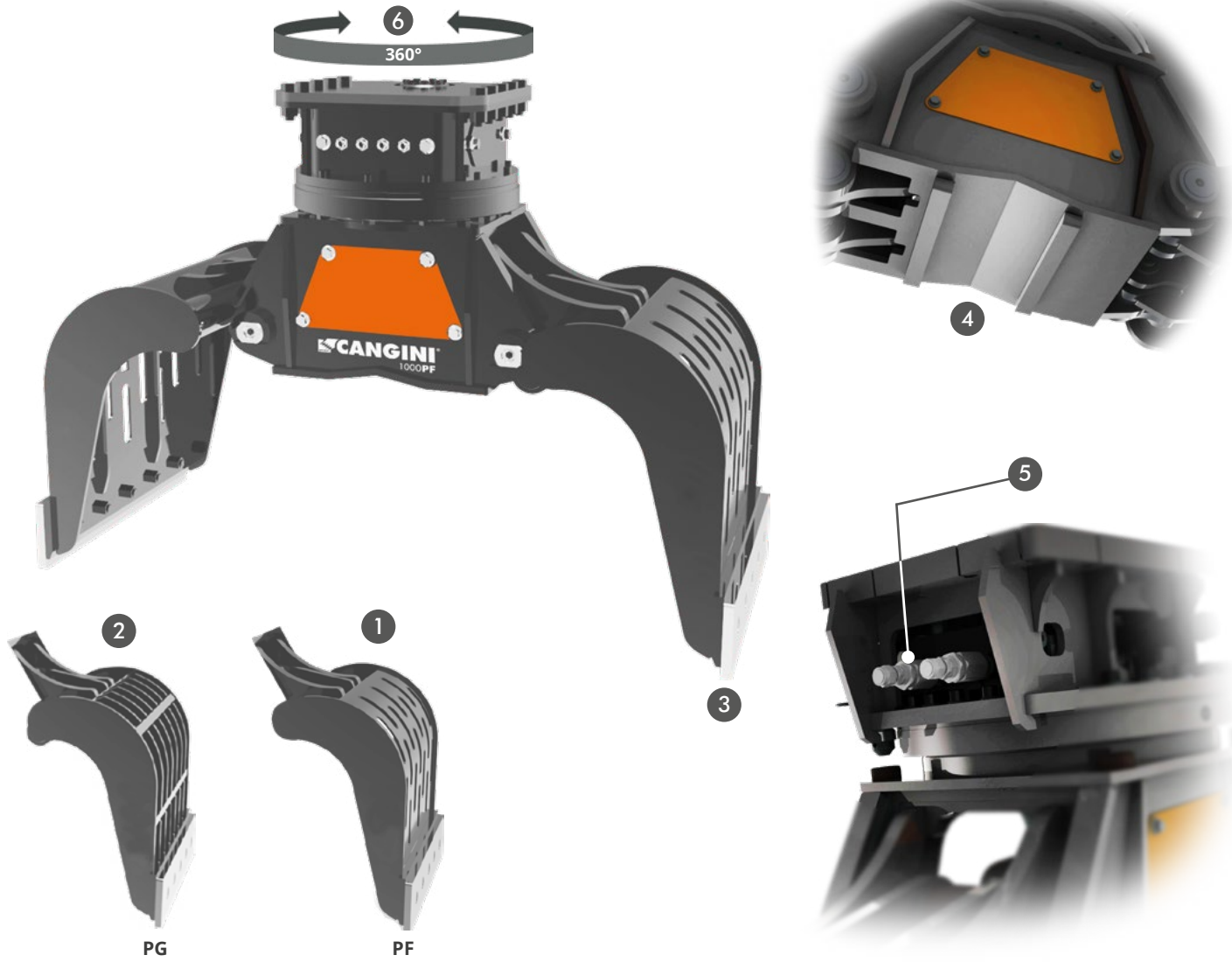
JAWS DRIVE CYLINDER

	MAX.	BAR (PSI)	300 (4351)	300 (4351)	300 (4351)	300 (4351)
	MAX.	L/MIN (GAL/MIN)	50 (13)	50 (13)	75 (20)	75 (20)

ROTATION ENGINE

	MAX.	BAR (PSI)	80 (1160)	80 (1160)	80 (1160)	80 (1160)
	MAX.	L/MIN (GAL/MIN)	40 - 60 (10 - 16)	40 - 60 (10 - 16)	40 - 60 (10 - 16)	40 - 60 (10 - 16)

\*\* NB: ALL MODELS WILL BE SUPPLIED WITHOUT COUPLER



STANDARD

- 1 STANDARD CONFIGURATION (PF)
- 2 DEMOLITION CONFIGURATION (PG)
- 3 HB400 STEEL EDGE BLADES
- 4 GUARDS TO PROTECT CYLINDER FROM RUBBLE
- 5 BUILT-IN "RELIEF VALVE"
- 6 INTEGRAL 360° ROTATION

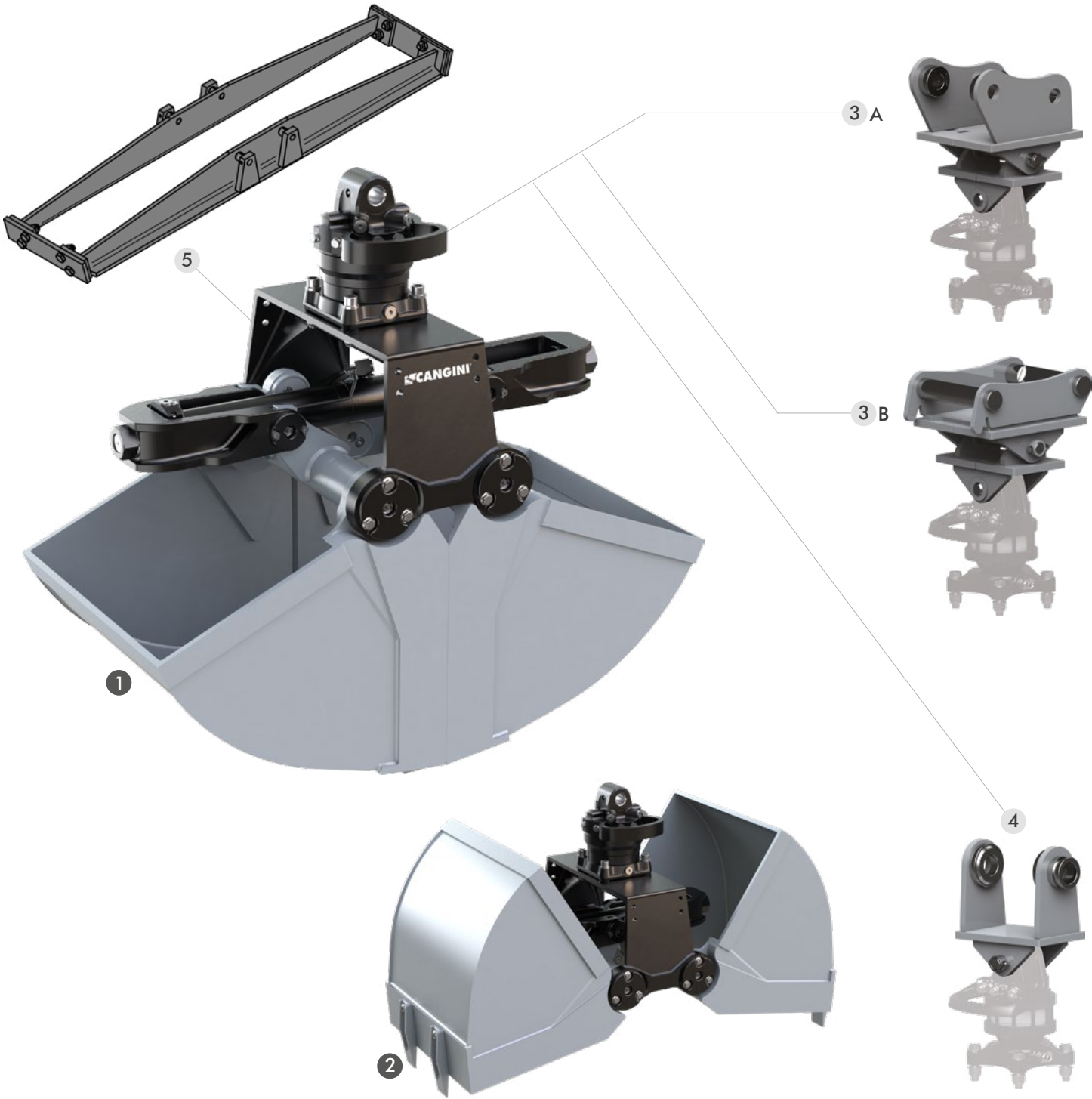




NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)

THE CLAMSHELL BUCKET IS DESIGNED TO WITHSTAND WEAR, WITH CUTTING EDGES IN HB500 STEEL TO ENSURE A LONG WORKING LIFE. THIS ATTACHMENT IS ALSO IDEAL FOR HANDLING BULK MATERIALS AND FOR LOADING WASTE. SUITABLE FOR EXCAVATION AND FOR LOADING SOIL, SAND AND OTHER INERT MATERIALS. ITS COMPACT DESIGN GUARANTEES A HIGH LOAD CAPACITY, WITH EXCELLENT EXCAVATION CHARACTERISTICS PROVIDED BY HIGH CLOSING FORCES.

MOD.	C02H	C05H	C08H	C10H	C12VE
TONS (LB)	1,0 (2.205) - 2,0 (4.409)	3,0 (6.614) - 6,0 (13.228)	4,0 (8818) - 9,0 (19.842)	6,0 (13228) - 10,0 (22.046)	9,0 (19.842) - 12,0 (26.455)



STANDARD TECHNICAL FEATURES

- 1 CLAWS IN HB500 STEEL
- 2 DF TEETH

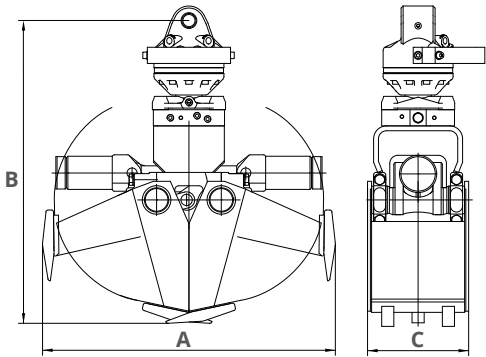
OPTIONAL

- 3 DOUBLE PIN COUPLING (A) OR ADAPTOR (B)
- 4 SINGLE PIN COUPLING
- 5 SCRAPER

IT IS A MECHANISM THAT CAN BE SCREWED TO THE CLAMSHELL BUCKET TO EASIER EMPTY THE SHELLS, ESPECIALLY WHEN WORKING IN STICKY SOILS. DURING THE OPENING PROCESS, THE SCRAPER PUSHES THE MATERIAL OUT OF THE SHELLS.



C02H MACHINE WEIGHT 1,0 - 2,0 t (2205 - 4409 lb)



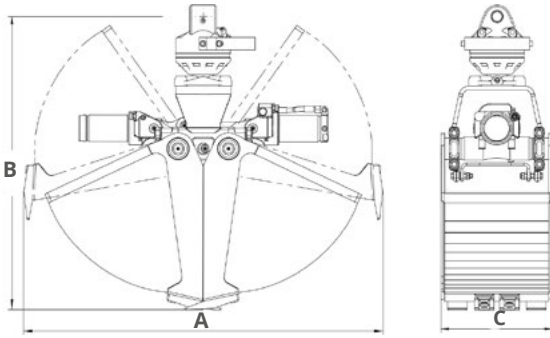
MOD.		C02H - 25	C02H - 30	C02H - 40
A	MM (IN)	725 (28,5)	725 (28,5)	725 (28,5)
B	MM (IN)	750 (29,5)	750 (29,5)	750 (29,5)
C	MM (IN)	250 (9,8)	300 (11,8)	400 (15,7)
	KG (LB)	92 (203)	99 (218)	112 (247)
	N.	3	3	4
	KG (LB)	1000 (2205)	1000 (2205)	1000 (2205)
	L (GAL)	25 (6)	30 (8)	45 (12)

	L/MIN (GAL/MIN)	40 (10)	40 (10)	40 (10)
	BAR (PSI)	200 (2901)	200 (2901)	200 (2901)

	L/MIN (GAL/MIN)	50 (13)	50 (13)	50 (13)
	BAR (PSI)	320 (4641)	320 (4641)	320 (4641)

\* weight of the tank excluding attachment  
\* weight of the tank excluding attachment

C05H MACHINE WEIGHT 3,0 - 6,0 t (6614 - 13228 lb)



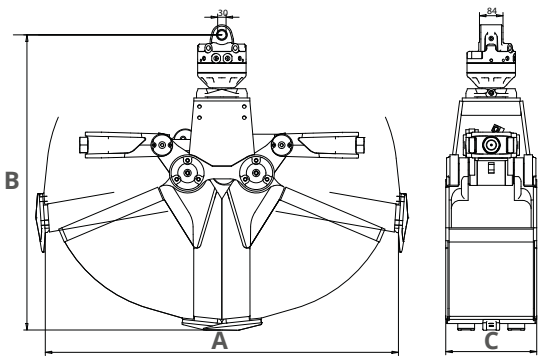
MOD.		C05H - 25	C05H - 30	C05H - 35	C05H - 40	C05H - 45	C05H - 50	C05H - 60
A	MM (IN)	1090 (42,9)	1090 (42,9)	1090 (42,9)	1090 (42,9)	1090 (42,9)	1090 (42,9)	880 (34,6)
B	MM (IN)	930 (36,6)	930 (36,6)	930 (36,6)	930 (36,6)	930 (36,6)	930 (36,6)	825 (32,4)
C	MM (IN)	250 (9,8)	300 (11,8)	350 (13,7)	400 (15,7)	450 (17,7)	500 (19,6)	600 (23,6)
	KG (LB)	140 (308)	150 (330)	160 (352)	165 (363)	170 (374)	180 (396)	175 (385)
	N.	3	3	4	4	4	4	5
	KG (LB)	2000 (4400)	2000 (4400)	2000 (4400)	2000 (4400)	2000 (4400)	2000 (4400)	2000 (4400)
	L (GAL)	70 (18,4)	85 (22,4)	100 (26,4)	115 (30,3)	130 (34,4)	140 (36,9)	115 (30,3)





	L/MIN (GAL/MIN)	75 (19,8)	75 (19,8)	75 (19,8)	75 (19,8)	75 (19,8)	75 (19,8)	75 (19,8)
	BAR (PSI)	260 (3770)	260 (3770)	260 (3770)	260 (3770)	260 (3770)	260 (3770)	260 (3770)

	L/MIN (GAL/MIN)	50 (13,2)	50 (13,2)	50 (13,2)	50 (13,2)	50 (13,2)	50 (13,2)	50 (13,2)
	BAR (PSI)	320 (4640)	320 (4640)	320 (4640)	320 (4640)	320 (4640)	320 (4640)	320 (4640)

\* weight of the tank excluding attachment  
\* weight of the tank excluding attachment

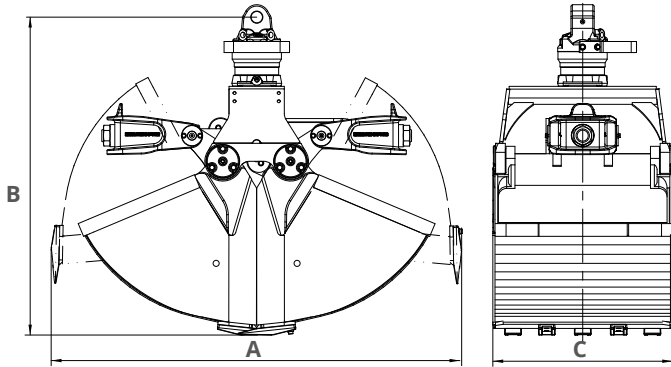
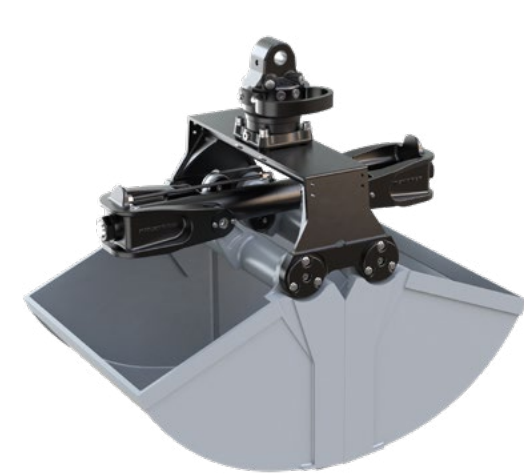
C08H MACHINE WEIGHT 4,0 - 9,0 t (8818 - 19842 lb)













	MOD.	C08H - 32	C08H - 40	C08H - 50	C08H - 60	C08H - 80
	A	MM (IN)	1260 (49,6)	1260 (49,6)	1260 (49,6)	1260 (49,6)
	B	MM (IN)	1060 (41,7)	1060 (41,7)	1060 (41,7)	1060 (41,7)
	C	MM (IN)	325 (12,7)	400 (15,7)	500 (19,6)	600 (23,6)
	KG (LB)		240 (528)	260 (572)	280 (616)	295 (649)
			330 (726)			
	N.		3	3	5	5
			9			
	KG (LB)		3000 (6600)	3000 (6600)	3000 (6600)	3000 (6600)
	L (GAL)		115 (30,3)	145 (38,3)	185 (48,8)	220 (58,1)
			300 (79,2)			
	L/MIN (GAL/MIN)		90 (23,7)	90 (23,7)	90 (23,7)	90 (23,7)
	BAR (PSI)		320 (4641)	320 (4641)	320 (4641)	320 (4641)
	L/MIN (GAL/MIN)		50 (13)	50 (13)	50 (13)	50 (13)
	BAR (PSI)		320 (4641)	320 (4641)	320 (4641)	320 (4641)

\* weight of the tank excluding attachment  
\* weight of the tank excluding attachment

C10H MACHINE WEIGHT 6,0 - 10,0 t (13228 - 22046 lb)



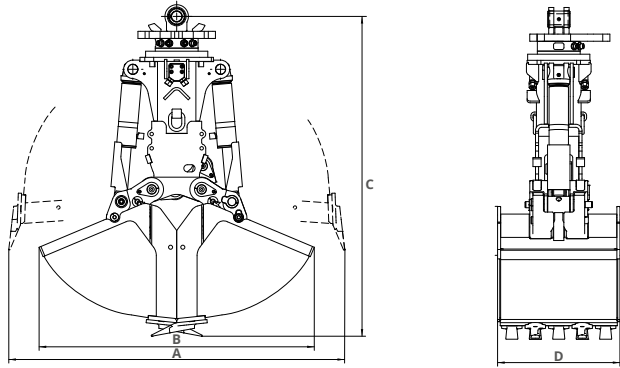
	MOD.	C10H - 40	C10H - 50	C10H - 65	C10H - 80	C10H - 100	C10H - 120
	A	MM (IN)	1425 (56,1)	1425 (56,1)	1425 (56,1)	1425 (56,1)	1425 (56,1)
	B	MM (IN)	1150 (45,2)	1150 (45,2)	1150 (45,2)	1150 (45,2)	1150 (45,2)
	C	MM (IN)	400 (15,7)	500 (19,6)	650 (25,5)	800 (31,4)	1000 (39,3)
	KG (LB)		285 (627)	305 (671)	320 (704)	345 (759)	375 (825)
			400 (880)				
	N.		3	5	5	9	9
	KG (LB)		3000 (6600)	3000 (6600)	3000 (6600)	3000 (6600)	3000 (6600)
	L (GAL)		170 (44,9)	220 (58,1)	290 (58,1)	355 (93,7)	450 (118,8)
			540 (142,6)				
	L/MIN (GAL/MIN)		120 (31,7)	120 (31,7)	120 (31,7)	120 (31,7)	120 (31,7)
	BAR (PSI)		320 (4640)	320 (4640)	320 (4640)	320 (4640)	320 (4640)
	L/MIN (GAL/MIN)		50 (13)	50 (13)	50 (13)	50 (13)	50 (13)
	BAR (PSI)		320 (4640)	320 (4640)	320 (4640)	320 (4640)	320 (4640)








\* weight of the tank excluding attachment  
\* weight of the tank excluding attachment



C12VE

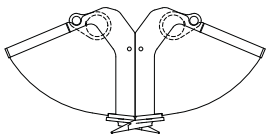
MACHINE WEIGHT 9,0 - 12,0 t (19842 - 26455lb)



	MOD.	C12VE -32	C12VE -40	C12VE -50	C12VE -60	C12VE -70	C12VE -80
	A	MM (IN)	1645 (64,7)	1645 (64,7)	1645 (64,7)	1645 (64,7)	1645 (64,7)
	B	MM (IN)	1350 (53,1)	1350 (53,1)	1350 (53,1)	1350 (53,1)	1350 (53,1)
	C	MM (IN)	1570 (61,8)	1570 (61,8)	1570 (61,8)	1570 (61,8)	1570 (61,8)
	D	MM (IN)	325 (12,7)	400 (74,1)	500 (19,6)	600 (23,6)	700 (27,5)
		KG (LB)	475 (1045)	485 (1067)	500 (1100)	515 (1133)	525 (1155)
		N.	3	3	5	5	7
		KG (LB)	4500 (9900)	4500 (9900)	4500 (9900)	4500 (9900)	4500 (9900)
		L (GAL)	125 (33)	160 (42,2)	200 (52,8)	245 (64,7)	285 (75,2)
			330 (87,1)				
		L/MIN (GAL/MIN)	120 (31,7)	120 (31,7)	120 (31,7)	120 (31,7)	120 (31,7)
		BAR (PSI)	320 (4641)	320 (4641)	320 (4641)	320 (4641)	320 (4641)
		L/MIN (GAL/MIN)	50 (13)	50 (13)	50 (13)	50 (13)	50 (13)
		BAR (PSI)	320 (4641)	320 (4641)	320 (4641)	320 (4641)	320 (4641)

INTERCHANGEABLE CLAWS FOR C12VE

CLAMSHELL BUCKET



MOD.	WIDTH (MM IN)	APERTURE (MM IN)	COMPLETE HEIGHT (MM IN)	VOLUME (L GAL)	TEETH (N.)	WEIGHT OF SHELLS (KG LB)	LOADING CAPACITY (KG LB)	CLOSING FORCE (KN LBF)
C12VE-32S	325 (12,7)	1535 (60,4)	1570 (61,8)	125 (33)	3	130 (286)	4500 (9900)	39 (8580)
C12VE-40S	400 (15,7)	1535 (60,4)	1570 (61,8)	160 (42,2)	3	140 (308)	4500 (9900)	39 (8580)
C12VE-50S	500 (19,6)	1535 (60,4)	1570 (61,8)	200 (52,8)	5	165 (363)	4500 (9900)	39 (8580)
C12VE-60S	600 (23,6)	1535 (60,4)	1570 (61,8)	245 (64,7)	5	180 (396)	4500 (9900)	39 (8580)
C12VE-70S	700 (27,5)	1535 (60,4)	1570 (61,8)	285 (64,7)	7	205 (451)	4500 (9900)	39 (8580)
C12VE-80S	800 (31,4)	1535 (60,4)	1570 (61,8)	330 (72,5)	9	225 (495)	4500 (9900)	39 (8580)



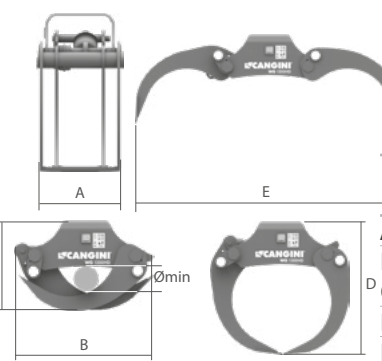





\* weight of the tank excluding attachment

\* weight of the tank excluding attachment





NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)

		THE LOG GRAPPLE CAN BE EQUIPPED WITH 360° HYDRAULIC ROTATION, PARTS SUBJECT TO GREATER WEAR ARE MADE OF DOMEX 700. STANDARD EQUIPMENT INCLUDES A BLOCK VALVE ON THE CLOSING CYLINDER.												
		TONS (LB)	1,2 - 1,8 (2646-3968)	1,8 - 3,5 (3968-7716)	3,5 - 4,0 (7716-8818)	4,0 - 5,0 (8818-11023)	5,0 - 7,0 (11023-15432)	7,0 - 8,0 (15432-17637)	8,0 - 10,0 (17637-22046)	10,0 - 12,0 (22046 - 26455)	120-150 (26455-33069)	150-180 (33069-39683)		
		MOD.	WG 1000	WG 1100	WG 1300	WG 1300HD	WG 1500	WG 1750	WG 1650	WG 1800	WG 2000	WG 1800HD	WG 2000HD	
A		MM (IN)	330 (13)	395 (16)	425 (17)	425 (17)	490 (19)	500 (20)	514 (20)	582 (23)	582 (23)	630 (25)	630 (25)	
B		MM (IN)	610 (24)	655 (26)	735 (29)	735 (29)	815 (32)	960 (38)	1030 (41)	1180 (46)	1225 (48)	1180 (46)	1225 (48)	
C		MM (IN)	410 (16)	440 (17)	495 (19)	495 (19)	580 (23)	630 (25)	600 (24)	680 (27)	730 (29)	680 (27)	730 (29)	
D		MM (IN)	650 (26)	695 (27)	790 (31)	790 (31)	850 (33)	985 (39)	935 (37)	1005 (40)	1100 (43)	1005 (40)	1100 (43)	
E		MM (IN)	1090 (43)	1180 (46)	1400 (55)	1400 (55)	1610 (63)	1740 (69)	1650 (65)	1820 (72)	2010 (79)	1820 (72)	2010 (79)	
		W/O COUPLER	KG (LB)	48 (106)	85 (187)	118 (260)	131 (289)	196 (432)	265 (584)	280 (617)	400 (882)	450 (992)	440 (970)	505 (1113)
		MIN.	MM (IN)	70 (2,8)	80 (3,1)	75 (3)	75 (3)	95 (3,7)	120 (4,7)	100 (3,9)	120 (4,7)	150 (5,9)	120 (4,7)	150 (5,9)
		MAX.	L/MIN (GALL/MIN)	50 (13)	50 (13)	50 (13)	50 (13)	50 (13)	50 (13)	50 (13)	50 (13)	50 (13)	50 (13)	50 (13)
		MAX.	KG (LB)	500 (1102)	1900 (4189)	2100 (4630)	2100 (4630)	3100 (6834)	3500 (7716)	4000 (8818)	6000 (13228)	6000 (13228)	7000 (15432)	7000 (15432)
		MAX.	BAR (PSI)	100 (1450)	200 (2901)	200 (2901)	200 (2901)	200 (2901)	200 (2901)	230 (3336)	250 (3626)	250 (3626)	250 (3626)	250 (3626)

PRICE NOT INCLUDING THE ROTATOR  
(MANDATORY - CHOICE BETWEEN: 4 / 5 )



OPTIONAL

1 DOUBLE PIN HITCH (A) OR ADAPTER (B)

2 SINGLE PIN HITCH

3 TWO PIPE KIT

IT ENABLES THEIR ROTATION AND THE JAWS' OPENING AND CLOSING FUNCTIONS EVEN ON MACHINES EQUIPPED WITH A SINGLE HYDRAULIC DOUBLE-EFFECT LINE. CONTROL KIT WITH MAGNETS TO EASILY PUT IT INSIDE THE CAB.

4 BASIC ROTOR

360° SHAFT ROTOR TO DRIVE THE GRABS.

5 FLANGED ROTOR

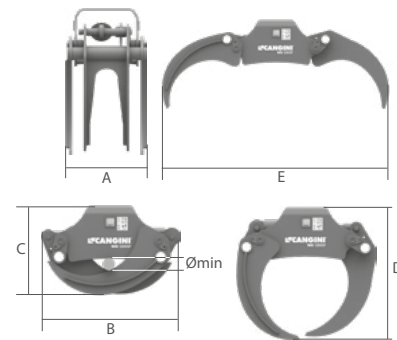
360° HYDRAULIC FLANGED ROTOR IDEAL FOR HEAVY DUTY JOBS.





NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)

ROTATION OF 360°, THIS FUNCTION IS LINKED TO THE CHOICE OF THE HYDRAULIC ENGINE - ASSISTS THE OPERATOR IN THE LOGS' GRIP PHASE, SPEEDING UP THIS OPERATION AND MAKING HIS WORK EFFECTIVE. PARTS SUBJECT TO WEAR ARE MADE OF DOMEX 700. IT'S PARTICULARLY SUITED FOR THE HANDLING OF CUT WOOD AND PRUNINGS. IT'S STANDARD EQUIPPED WITH A BLOCK VALVE ON THE CLAMP-CLOSING CYLINDER.



	TONS (LB)	1,8 - 3,5 (3968-7716)	3,5 - 4,0 (7716-8818)	4,0 - 5,0 (8818-11023)	5,0 - 7,0 (11023-15432)	7,0 - 8,0 (15432-17637)	8,0 - 10,0 (17637-22046)	10,0 - 12,0 (22046 - 26455)	12,0 - 16,0 (26455-35274)
	MOD.	WG 1100SPWG	1300SPWG	1300SPWG	1500SPWG	1650SPWG	1800SPWG	1800SPWG	2000SPWG
A	MM (IN)	425 (16,7)	450 (18)	450 (18)	530 (21)	530 (21)	640 (25)	640 (25)	640 (25)
B	MM (IN)	610 (24)	735 (29)	735 (29)	815 (32)	1030 (41)	1180 (46)	1180 (46)	1225 (48)
C	MM (IN)	440 (17)	495 (19)	495 (19)	580 (23)	590 (23)	680 (27)	680 (27)	730 (29)
D	MM (IN)	685 (27)	770 (30)	770 (30)	830 (33)	980 (38)	985 (39)	985 (39)	1060 (42)
E	MM (IN)	1210 (48)	1430 (56)	1430 (56)	1650 (65)	1650 (65)	1845 (73)	1845 (73)	2020 (80)
	KG (LB)	100 (221)	140 (309)	140 (309)	225 (496)	300 (661)	440 (970)	440 (970)	495 (1091)
	MM (IN)	80 (3,1)	75 (3)	75 (3)	95 (3,7)	100 (3,9)	120 (4,7)	120 (4,7)	150 (5,9)
	L/MIN (GALL/MIN)	50 (13)	50 (13)	50 (13)	50 (13)	50 (13)	50 (13)	50 (13)	50 (13)
	KG (LB)	1900 (4189)	2100 (4630)	2100 (4630)	3100 (6834)	4000 (13228)	6000 (13228)	6000 (13228)	6000 (13228)
	BAR (PSI)	200 (2901)	200 (2901)	200 (2901)	200 (2901)	230 (3336)	250 (3626)	250 (3626)	250 (3626)



OPTIONAL

- 1 DOUBLE PIN HITCH (A) OR ADAPTER (B)
- 2 SINGLE PIN HITCH
- 3 TWO PIPE KIT  
IT ENABLES THEIR ROTATION AND THE JAWS' OPENING AND CLOSING FUNCTIONS ON MACHINES EQUIPPED WITH A SINGLE HYDRAULIC DOUBLE-EFFECT LINE.
- 4 BASIC ROTOR  
SHAFT ROTOR TO DRIVE THE GRABS.
- 5 FLANGED ROTOR  
FLANGED ROTOR IDEAL FOR HEAVY DUTY JOBS.

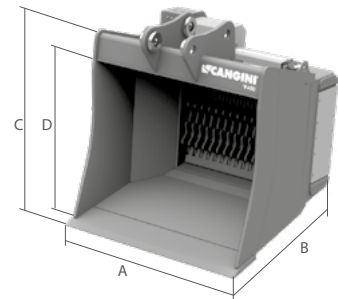





PATENTED  
HB400





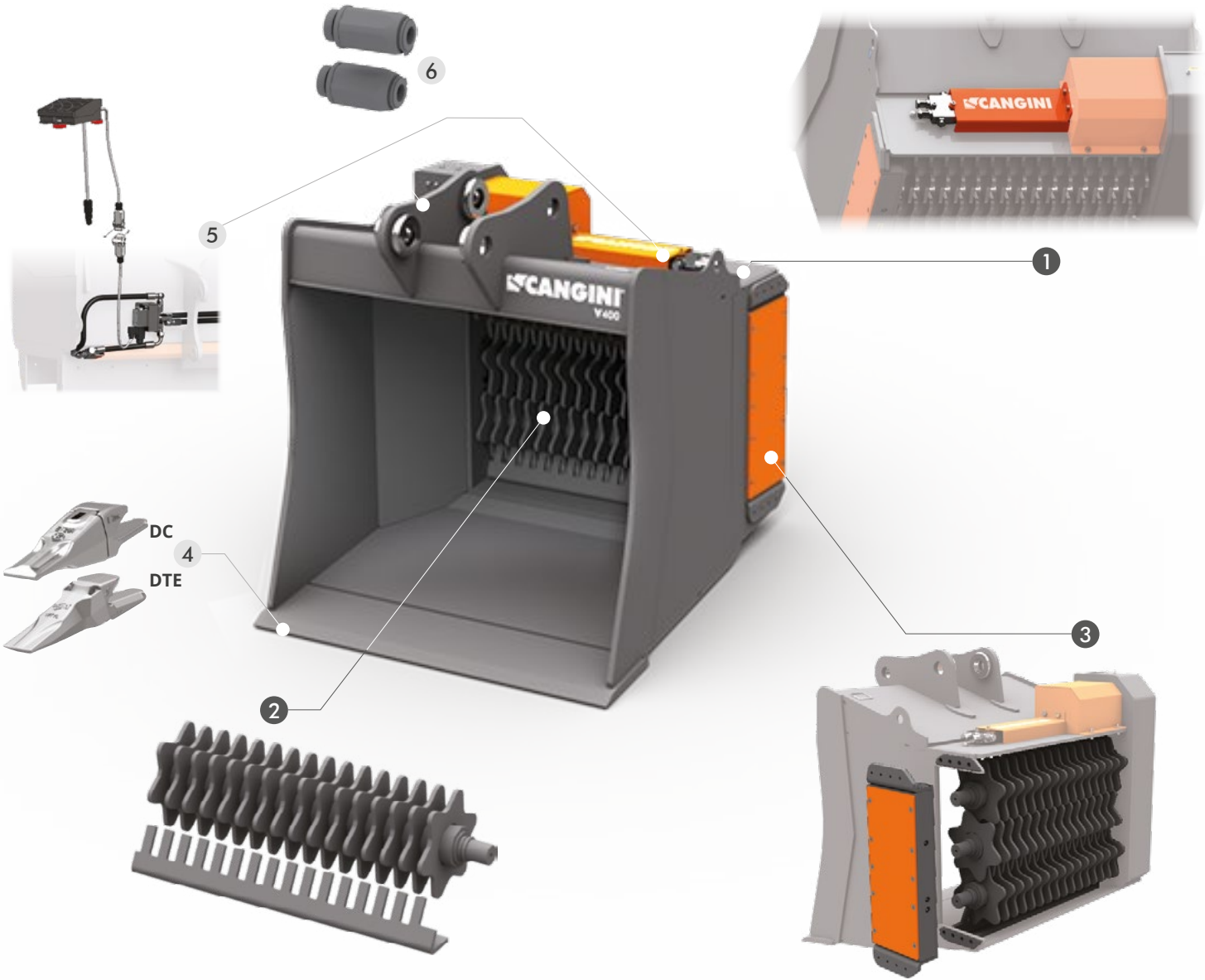
NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)

IDEAL BOTH FOR THE GRADING OF BULK MATERIALS FROM DEMOLITION OR DIGGING WORKS AND THE MIXING OF TERRAIN AND PEAT. THE SCREENING OPERATION IS CARRIED OUT BY AN HYDRAULIC SIEVE WITH ROTATING HB400 KNIVES. THE MATERIAL THICKNESS CAN VARY FROM 0 TO 20 MM (0 - 0,8 IN) AND 0 TO 35 MM (0 - 1,4 IN) WITH A STANDARD EQUIPMENT. CUSTOMERIZED SHAFTS CAN ALSO BE SUPPLIED.



	W/O COUPLER	KG (LB)	240 (529)	310 (683)	520 (1146)	750 (1653)
		KG (LB)	430 (948)	600 (1323)	1000 (2205)	1410 (3108)
		MM (IN)	0/20-0/35 (0/0,8-0/1,4)	0/20-0/35 (0/0,8-0/1,4)	0/20-0/35 (0/0,8-0/1,4)	0/20-0/35 (0/0,8-0/1,4)
	MIN. - MAX.	L/MIN (GAL/MIN)	40/70 (11/19)	40/70 (11/19)	60/90 (16/24)	80/130 (21/34)
	N.	2	3	3	3	
	L (GAL)	125 (33)	195 (51,5)	320 (84,5)	440 (116,2)	

			V400	V600	V1000	V1200
		N.	4	4	5	6
	4	DC TEETH	DC 3 (KG 2,1)	DC 3 (KG 2,1)	DC 6 (KG 4,0)	DC 6 (KG 4,0)
		DTE TEETH	DTE 13 (KG 1,7)	DTE 17 (KG 3,0)	DTE 17 (KG 3,0)	DTE 17 (KG 3,0)



STANDARD

- 1 SAFETY VALVE

IT PROTECTS THE ENGINE AGAINST THE PRESSURE PEAKS OCCURRING DURING THE WORKING CYCLES.
- 2 SHAFT SYSTEM

ALL KNIVES ARE MADE OF HB400. DIFFERENT SHAFT CONFIGURATIONS REALIZED UPON REQUEST.
- 3 PATENTED SHAFT REPLACEMENT SYSTEM

THANKS TO THE PATENTED SYSTEM, IT IS POSSIBLE TO REPLACE SHAFTS RAPIDLY AND MODIFY THE SIEVED MATERIAL SIZE, WITHOUT INTERVENING ON TRANSMISSION.

OPTIONAL

- 4 DC TEETH DTE TEETH
- 5 FLOW-REVERSAL VALVE KIT

THIS VALVE ENABLES TO MAKE THE HYDRAULIC FLOW BI-DIRECTIONAL AND USE THE SCREENING BUCKET EVEN WITH MACHINES HAVING A MONO-DIRECTIONAL SYSTEM.
- 6 FLOWRATE REDUCERS

FLOWRATE REDUCERS. ADVISED FOR MACHINES WITH OILFLOW HIGHER THAN 70 L/MIN.

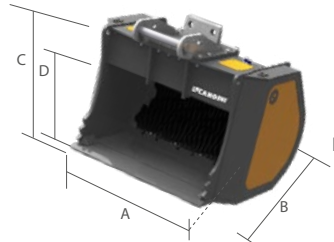












VRC SCREENING BUCKET  
FOR EXCAVATOR

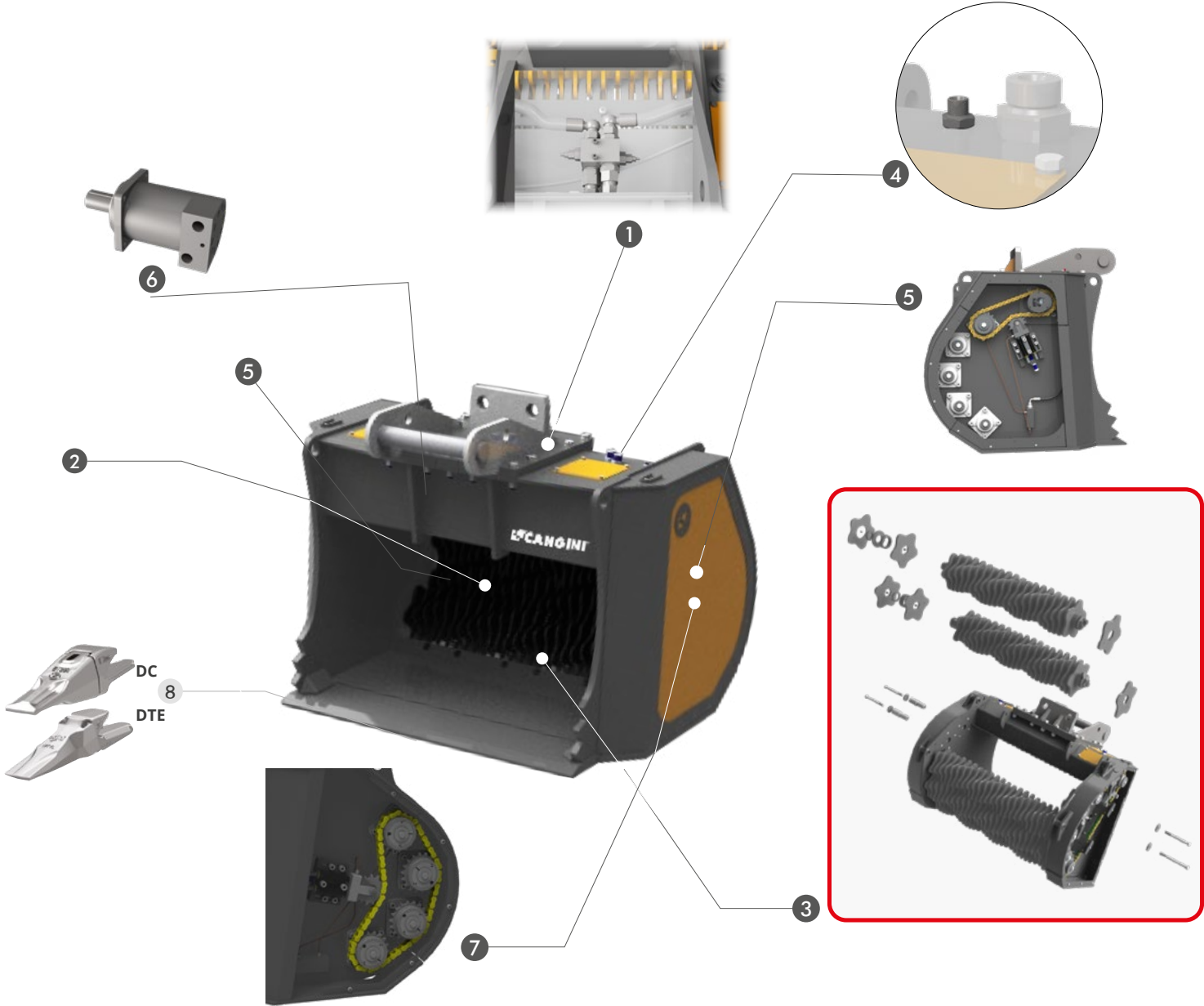


THE VRC SCREENING BUCKET IS SUITABLE FOR SCREENING VARIOUS KINDS OF DEMOLITION OR EXCAVATION SPOIL. IT IS ABLE TO SCREEN MATERIAL FROM 0-35MM IN STANDARD CONFIGURATION. IT IS DESIGNED TO FACILITATE LOADING OF MATERIAL AND PREVENT WEAR. THE SCREENING SYSTEM IS EASILY REPLACEABLE FOR TROUBLE-FREE MAINTENANCE, WHILE MATERIAL IS SCREENED BY MEANS OF A SET OF SHAFTS PLACED TO INCREASE SCREENING SURFACE AREA AND PRODUCTIVITY.



	TONS (LB)	2.5-6.0 (5600 - 13440)	4.0-8.0 (8960 - 17920)	7.0-10.0 (15680 - 22400)	9.0-14.0 (20160 - 31360)	13.0-18.0 (29120 - 40320)	16.0-22.0 (35840 - 49280)
	MOD.	VRC 40	VRC 60	VRC 90	VRC 120	VRC 160	VRC 200
<b>A</b>	MM (IN)	785 (29,7)	1085 (42,7)	1385 (54,5)	1270 (50)	1470 (57,8)	1570 (61,8)
BLADE WIDTH	MM (IN)	555 (23,6)	855 (35,4)	1155 (47,2)	950 (39,4)	1150 (47,2)	1240 (51,2)
<b>B</b>	MM (IN)	740 (29,1)	740 (29,1)	740 (29,1)	975 (38,4)	975 (38,4)	1160 (45,7)
<b>C</b>	MM (IN)	665 (26,2)	670 (26,2)	670(26,2)	880 (34,6)	900 (34,6)	1025 (39,8)
<b>D</b>	MM (IN)	450 (17,7)	450 (17,7)	450 (17,7)	585 (23)	585 (23)	665 (26,2)
 WITHOUT COUPLER	KG (LB)	300 (661,4)	410 (903,9)	505 (1113)	925 (2039)	1100 (2425)	1510 (3329)
	KG (LB)	490 (1080,3)	705 (1554)	900 (1984,2)	1500 (3307)	1820 (4012,4)	2570 (5665,9)
	MM (IN)	0-35 * (0 - 1,3)*	0-35 * (0 - 1,3)*	0-35 * (0 - 1,3)*	0-35 * (0 - 1,3)*	0-35 * (0 - 1,3)*	0-35 * (0 - 1,3)*
 MIN - MAX	L/MIN (GAL/MIN)	40 - 75 (10,5 - 19,8)	60 - 90 (15,8 - 23,8)	60 - 90 (15,8 - 23,8)	70 - 120 (18,5 - 31,7)	70 - 120 (18,5 - 31,7)	90 - 140 (23,8 - 37)
	N.	4	4	4	4	4	5
SAE CAPACITY	L (GAL)	165	265	370	505	650	935
HOURLY CAPACITY	M³/H	20	32	44.5	61	78	112
SCREENING AREA	M²	0,35	0,55	0,70	0,75	0,90	1,25

		VRC 40	VRC 60	VRC 90	VRC 120	VRC 160	VRC 200
	N.	4	4	4	4	4	4
<b>8</b>  DC TEETH		DC 03 (KG 2,1)	DC 03 (KG 2,1)	DC 08 (KG 2,1)	DC 13 (KG 1,7)	DC 15 (KG 16,1)	DC 15 (KG 16,1)
<b>8</b>  DTE TEETH		DTE 17 (KG 3)	DTE 17 (KG 3)	DTE 17 (KG 3)	DTE 19 (KG 6)	DTE 23 (KG 8,8)	DTE 29 (KG 12,5)



STANDARD

- 1 SAFETY VALVE**  
IT PROTECTS THE ENGINE AGAINST THE PRESSURE PEAKS OCCURRING DURING THE WORKING CYCLES.
- 2 SHAFT SYSTEM**  
SPECIFIC CONFIGURATIONS, SHAPES AND MATERIALS CAN BE MADE TO SUIT NEEDS. DISCS ARE REPLACEABLE SINGULARLY.
- 3 DISCS REPLACEMENT**  
IT IS POSSIBLE TO REPLACE A SINGLE SHAFT WITHOUT DISMANTLING THE OTHERS.
- 4 FREE DRAINAGE**
- 5 CENTRALIZED GREASING OF BEARINGS AND TRANSMISSION CONNECTABLE TO THE CENTRALIZED SYSTEM OF THE MACHINE**
- 6 HIGH-STRENGTH ENGINE**  
HIGH PERFORMANCE UP TO 70 (M³/H) OF PROCESSED MATERIAL
- 7 AUTOMATIC CHAIN TENSIONING**

OPTIONAL

- 8 DC TEETH DTE TEETH**

**NB:** DUE TO THE HEAVY DUTY ENGINE, DRAINAGE IS STRONGLY RECOMMENDED TO PRESERVE CONDITIONS IN THE LONG TERM





VMS MULTISCREENING BUCKET  
FOR EXCAVATOR



PATENTED

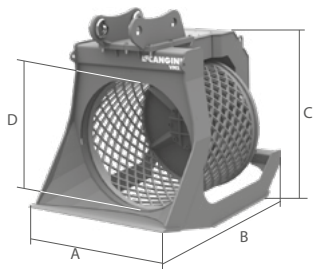


HB400



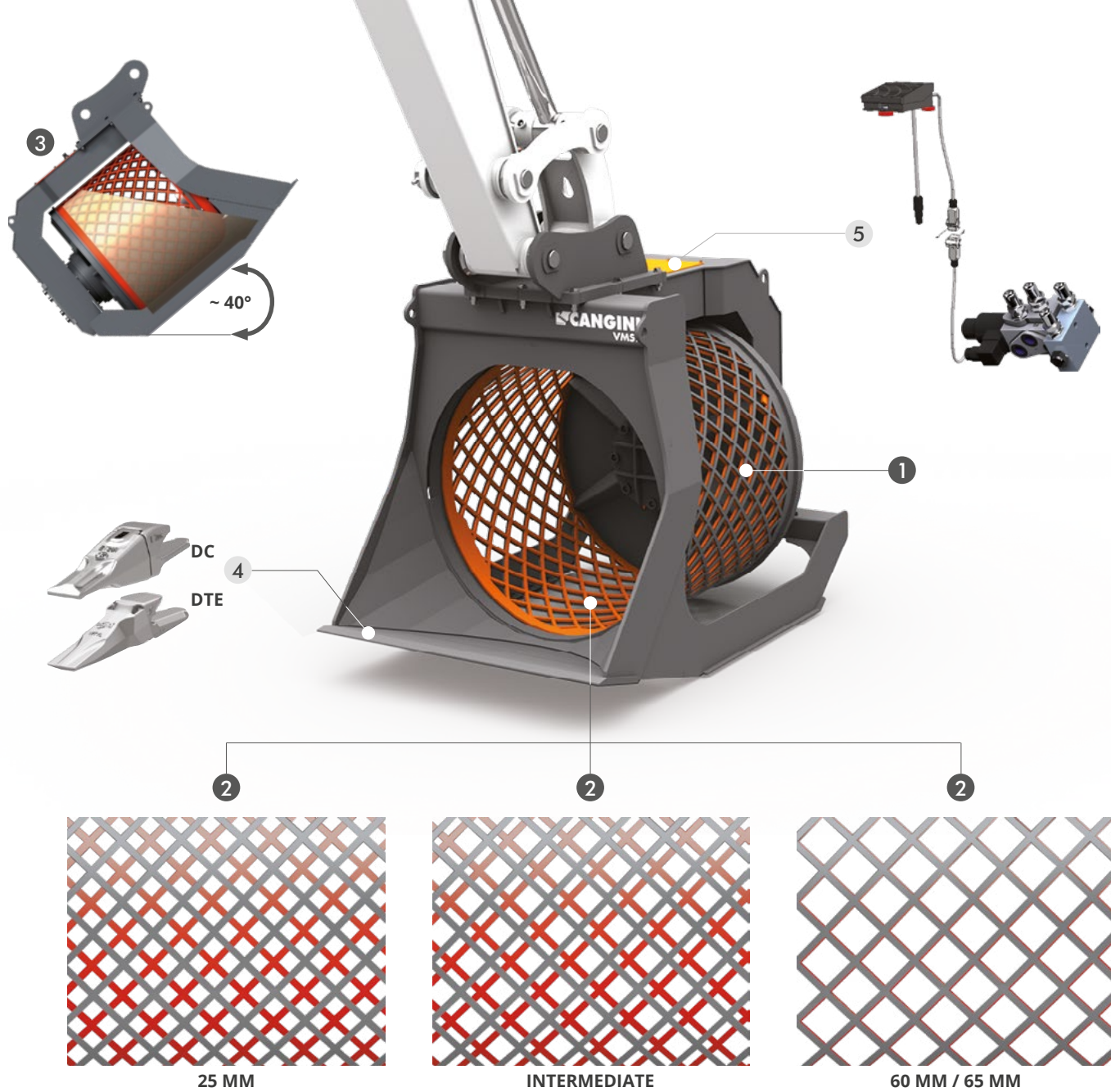
NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)

THE MULTISCREENING BUCKET WITH THE NEW ROTARY DOUBLE DRUM CONCEPT FOR MACHINES UP TO 35 TONS (7716 LB) IS SUITABLE FOR SELECTION DUTIES ON TURNED SOILS AND RESULTING MATERIALS. THE MATERIAL SIZE CHANGE, FROM 25 TO 65 MM, IS CONTROLLED DIRECTLY AND HYDRAULICALLY FROM THE CAB WITHOUT REPLACING ANY MECHANICAL PART THUS REDUCING THE WORK TIMES CONSIDERABLY.



	TONS (LB)	5,0 - 7,5 (11023-16535)	7,5 - 10,0 (16535-22046)	10,0 - 14,0 (22046-30865)	14 - 25,0 (30865-5511)	25,0 -35,0 (5511-7716)
	MOD.	VMS7	VMS10	VMS14	VMS20	VMS30
A	MM (IN)	800 (31)	900 (35)	1000 (39)	1250 (49)	1800 (71)
B	MM (IN)	1200 (47)	1400 (55)	1550 (61)	1800 (71)	2300 (90)
C	MM (IN)	930 (37)	1000 (39)	1120 (44)	1500 (59)	1950 (77)
D	MM (IN)	650 (26)	760 (30)	870 (34)	1124 (44)	1550 (61)
W/O COUPLER	KG (LB)	372 (820)	434 (957)	640 (1411)	1092 (2407)	2300 (5071)
OPERATING	KG (LB)	570 (1257)	770 (1698)	1100 (2425)	2235 (4927)	4990 (1101)
MIN.	MM (IN)	25 (1)	25 (1)	25 (1)	25 (1)	25 (1)
MAX.	MM (IN)	60 (2,4)	60 (2,4)	60 (2,4)	65 (2,6)	65 (2,6)
MIN.	L/MIN (GAL/MIN)	10 (2,6)	10 (2,6)	25 (7)	30 (7,9)	30 (7,9)
MAX.	L/MIN (GAL/MIN)	80 (21)	80 (21)	150 (39)	150 (39)	150 (39)
MAX.	BAR (PSI)	350 (5076)	350 (5076)	350 (5076)	350 (5076)	350 (5076)
L (GAL)		180 (47,5)	290 (76,6)	420 (110,9)	980 (259)	2390 (631,4)

	VMS7	VMS10	VMS14	VMS20	VMS30
N.	4	4	5	5	6
4  DC TEETH	DC 3 (KG 2,1)	DC 6 (KG 4,0)	DC 6 (KG 4,0)	DC 11 (KG 7,7)	DC 13 (KG 13,0)
4  DTE TEETH	DTE 17 (KG 3,0)	DTE 17 (KG 3,0)	DTE 17 (KG 3,0)	DTE 19 (KG 6,0)	DTE 23 (KG 7,5)



STANDARD

1 HB400 DRUMS

THE DRUMS CAN AFFORD HIGH WORK RATES THANKS TO THEIR HIGHLY RESISTANT MATERIAL THAT EXTENDS THEIR USEFUL LIFE.

2 AUTOMATIC SCREENING SYSTEM

THE DOUBLE ROTATING BASKET SYSTEM WITH HYDRAULIC CONTROL FROM THE CABIN ALLOWS SELECTION OF THE THICKNESS OF THE SCREENED MATERIAL. THE SCREEN IS ADJUSTED BY MOVING THE INNER BASKET BY MEANS OF AN INTEGRATED HYDRAULIC CYLINDER. THE OPERATION IS EXTREMELY QUICK AND REQUIRES NO MECHANICAL INTERVENTION ON THE BUCKET.

3 OPERATING LOAD

OPTIONAL

4 DC TEETH DTE TEETH

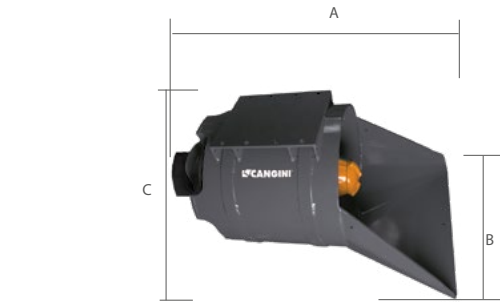
5 TWO PIPE KIT

IT ALLOWS BOTH THE ROTATING AND THE HYDRAULIC SLIDING MOVEMENTS OF THE SIEVES ON MACHINES WITH SINGLE AND DOUBLE-EFFECT LINE. CONTROL KIT WITH MAGNETS TO EASILY PUT IT INSIDE THE CAB.





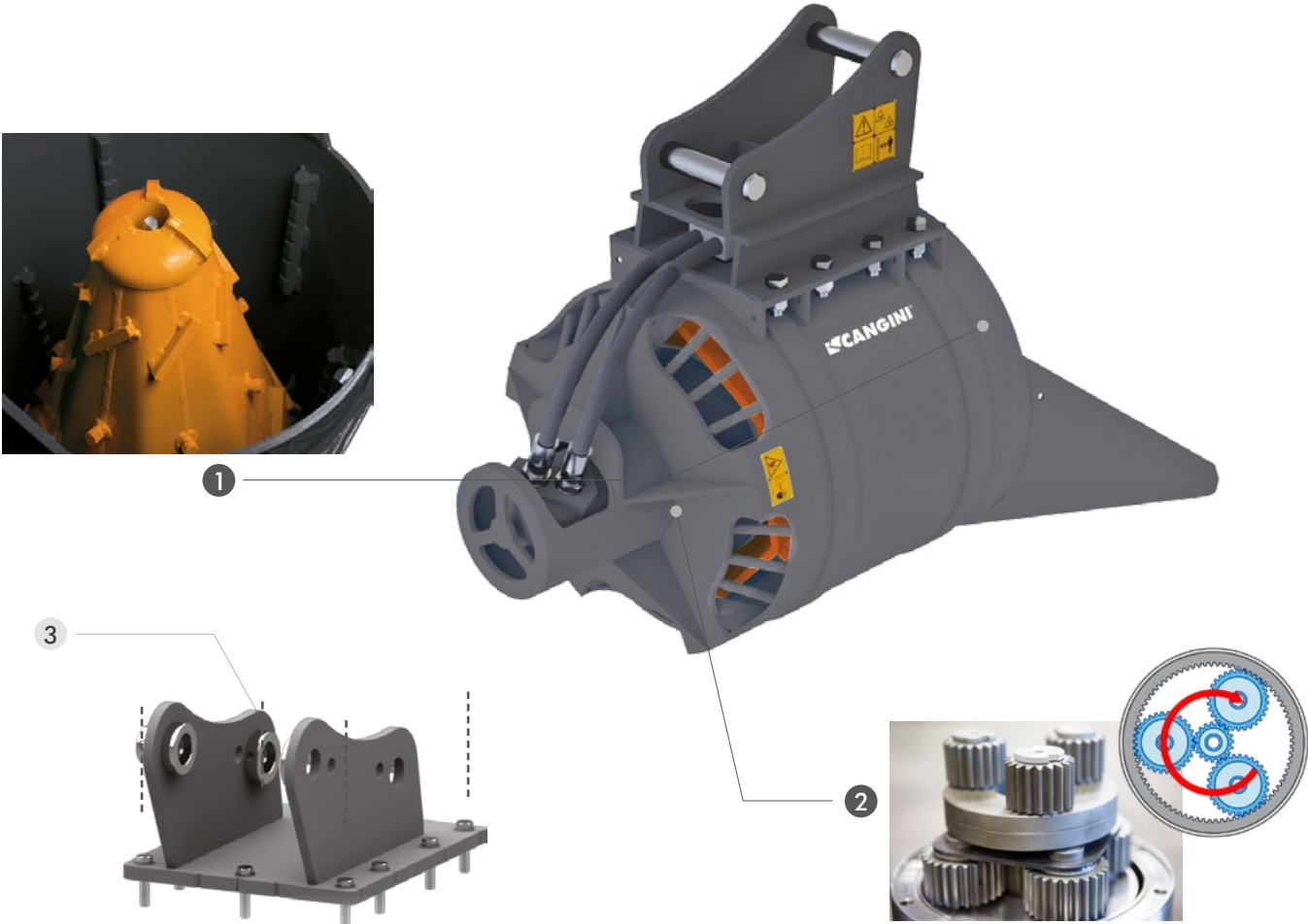
THE CRUSHER BUCKET DC PROVIDES A SIMPLE, EFFICIENT, AND COST-EFFECTIVE WAY TO REPROCESS AND/OR RECYCLE SMALL VOLUME CONSTRUCTION RUBBLE AND DEBRIS, INTO USABLE AGGREGATE/HARDCORE. IT ALLOWS AN OUTPUT PRODUCED MATERIAL SIZE OF AROUND 40-70MM. IDEAL FOR USE IN APPLICATIONS INCLUDING: FOUNDATION LAYING, TRACK AND YARD SURFACING, LANDSCAPING, ROADWAYS OR USING AS A BASE LAYER BELOW POURED CONCRETE.



	TON (LB)	3,0 - 10,0 T (6613 - 22046 lb)
	MOD.	DC
A	MM (IN)	1300 (51,2)
B	MM (IN)	885 (34,8)
C	MM (IN)	637 (25)
	KG (LB)	380 (838)
	NM (FT/LB)	6320-10112 (4661,6 - 7458,6)
	MM (IN)	600 (23,6)
	L/MIN (GAL/MIN)	70-150 (18,5 - 39,6)
	BAR (PSI)	150-240 (2175,6 - 3480,9)
	WITHOUT COUPLING	
	TORQUE VARIATION	
Ø		
MAX.		
MAX.		

STANDARD TECHNICAL FEATURES

- 1 SEVEN SIDED CONE
- 2 PLANETARY GEARBOX



OPTIONAL

3 BOLTED-IN ADAPTER PLATE

CAN BE USED FOR ANY MAKE OR MODEL OF HAMMER AND ALLOWS ATTACHMENT TO THE MACHINE WITH FIXED ATTACHMENT OR QUICK COUPLER

SM53 3,0 4,0 t (6613 - 8818 lb)

AR40
CR40
CS30
CS30 JANUS PRO
PL40 PIN LOCK
CW05 AUT'O'LOCK
S
CM

SM62 4,0 - 5,0 t (8818 - 11023 lb)

AR50
CR50
CS30
CS30 JANUS PRO
PL60 PIN LOCK
CW10 AUT'O'LOCK
S
CM

SM67 5,0 - 6,0 t (11023 - 13228 lb)

AR50
CR50
CS30
CS30 JANUS PRO
PL60 PIN LOCK
CW10 AUT'O'LOCK
S
CM

SM67 6,0 - 7,5 t (13228 - 16535 lb)

AR70
CR70
CS80
CS80 JANUS PRO
PL60 PIN LOCK
CW10 AUT'O'LOCK
S
CM

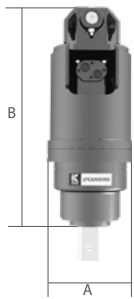
SM73 7,5 - 10,0 t (16535 - 22046 lb)





CR70
CS80
CS80 JANUS PRO
PL80 PIN LOCK
CW10 AUT'O'LOCK
S
CM

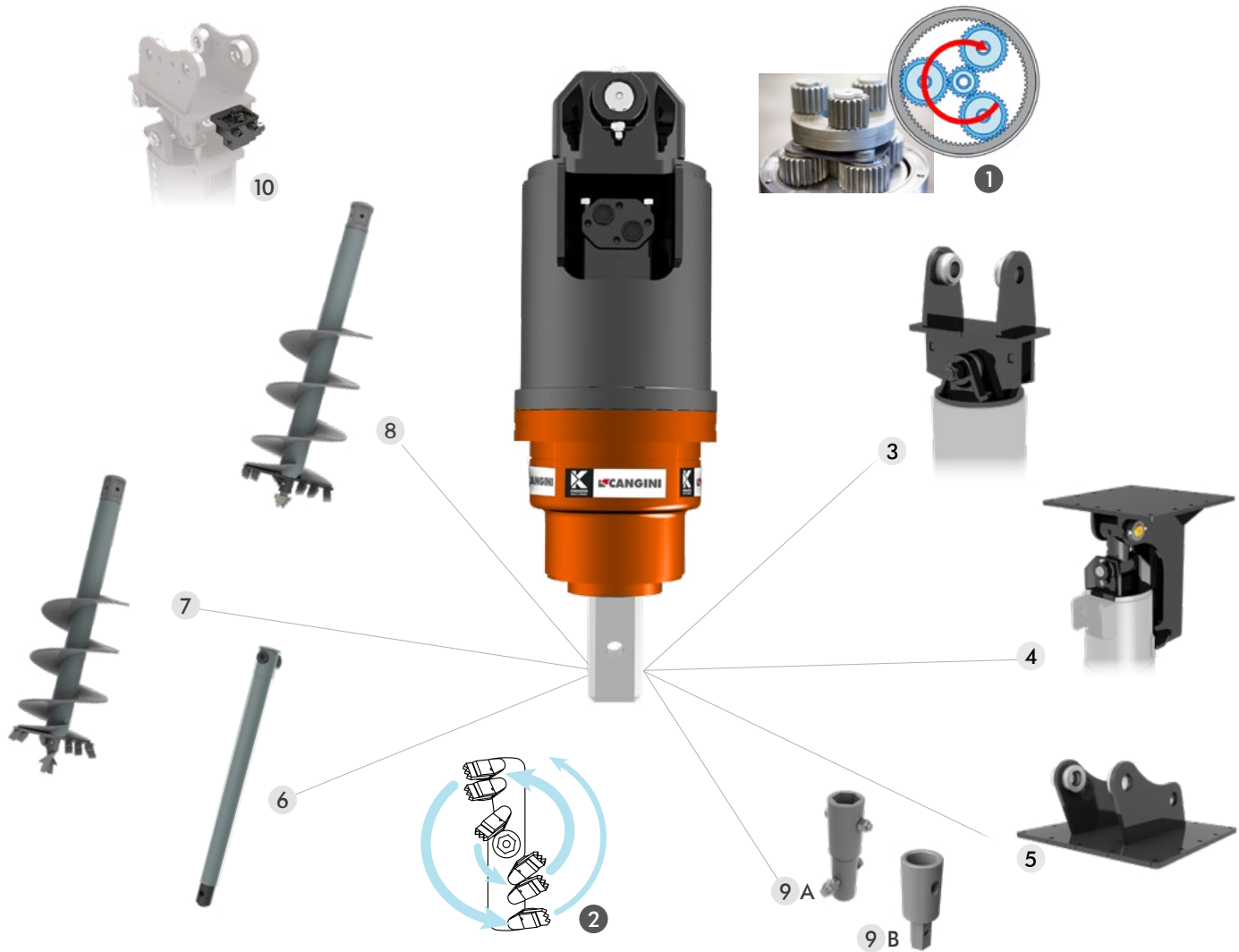




THE ATC MODEL AUGER IS BUILT IN HIGH QUALITY STEEL AND DESIGNED FOR EFFECTIVE, RAPID BORING THANKS TO AUGER LENGTH OPTIMISED IN RELATION TO ITS DIAMETER. THE CONSTANT SPIRAL CUTTING ENABLES THE TEETH TO BE PLACED AT ANGLES TO OPTIMISE DIGGING AND THUS DIRECT SPOIL TOWARDS THE MIDDLE OF THE AUGER, WHERE IT WILL BE THOROUGHLY CRUSHED TO AVOID ANY CLOGGING. WITH A VARIETY OF COMBINATIONS, AUGERS ARE VERSATILE AND CAN BE ADAPTED FOR SOFT, ROCKY, MIXED AND EVEN FROZEN GROUND. THE AUGER IS SUPPLIED COMPLETE WITH TWO-HOSE KIT.



	TONS (LB)		1,0 - 2,0 (2205 - 4409)	1,5 - 3,0 (3307- 6614)	2,5 - 4,5 (5512 - 9921)	4,0 - 6,0 (8818 - 13228)	5,5 - 10,0 (121254 - 22046)	10,0 - 15,0 (22046 - 33069)	15,0 - 22,0 (33069 - 48502)
	MOD.		ATC150	ATC250	ATC350	AT550	AT1000	AT1500	AT2500
	A	MM (IN)	200 (8)	200 (8)	245 (10)	270 (10,6)	290 (11,4)	290 (11,4)	345 (13,5)
	B	MM (IN)	690 (8)	690 (8)	775 (30,5)	905 (35,6)	1025 (40,3)	1025 (40,3)	1250 (49,2)
BIT COUPLING		MM (IN)	Ø65 (2,5)	Ø65 (2,5)	Ø65 (2,5)	SQUARE 75 MM (2,9)	SQUARE 75 MM (2,9)	SQUARE 75 MM (2,9)	SQUARE 75 MM (2,9)
	WITHOUT COUPLING	KG (LB)	65 (143)	66 (145)	98 (216)	140 (309)	230 (507)	240 (529)	355 (783)
BIT ROTATION		RPM	44-98	36-87	42-90	30-87	27-58	20-43	12-26
	MINIMUM - MAX	L/MIN (GAL/MIN)	20-45 (5,2 - 11,8)	27-65 (7,1 - 17,2)	40-85 (10,5 - 22,4)	40-115 (10,5 - 30,3)	70-150 (10,5 - 30,3)	80-170 (21,1 - 44,9)	80-170 (21,1 - 44,9)
	MAX	BAR (PSI)	205 (2973)	240 (3480,9)	240 (3480,9)	260 (3770,9)	260 (3770,9)	240 (3480,9)	240 (3480,9)
MAX TORQUE		N/M (FT/LBS)	1500 (1106,3)	2800 (1843,9)	3600 (2655,2)	5500 (4056,5)	10600 (7818,1)	15000 (11063,4)	25000 (18439,0)
AUGER BIT LENGTH		MM (IN)	1200 (47,2)	1200 (47,2)	1200 (47,2)	1500 (59)	1800 (70)	1800 (70)	1800 (70)
AUGER BIT CLASS			S4	S4	S4	S5	S6	S6	S6



STANDARD TECHNICAL FEATURES

- 1 PLANETARY REDUCTION GEARBOX

USED FOR SPEED REDUCTION, IT GUARANTEES HIGH EFFICIENCY THANKS TO REDUCED ROTATION POWER EVEN ON MACHINES WITH LOW HYDRAULIC FLOW RATES.
- 2 TOOTH FIXING SYSTEM

THE PATENTED TOOTH FIXING SYSTEM ENSURES SAFE LOCKING OF THE TEETH AND PROTECTS THEM AGAINST POSSIBLE IMPACT FRACTURES. THE TEETH ARE ARRANGED FOR OPTIMISED DIGGING.

NB : THE ATTACHMENT IS IS SUPPLIED COMPLETE WITH PIPES.

OPTIONAL

- 3 SINGLE PIN COUPLING
- 4 5 CRADLE JOINT

IT SUPPORTS THE AUGER TO ENABLE EVEN HORIZONTAL DRILLING. IT ALSO PREVENTS AUGER OSCILLATION DURING SPOIL DISCHARGE, ENABLING SAFE TRANSPORTATION AND PRECISE HOLE ALIGNMENT. THE CADLE SADDLE IS MANDATORY WHEN PURCHASING THE OPTIONAL CRADLE JOINT.
- 6 EXTENSION S4 - S5 - S6 1000MM
- 7 STANDARD BIT S4 - S5 - S6

SUITABLE FOR DRILLING GROUND OF AVERAGE CONSISTENCY, WITH OPTION OF REPLACING THE INSERTS AND BIT CENTRING DEVICE TO RESTORE THE INITIAL CONDITIONS.
- 8 ROCK BIT S4 - S5 - S6

SUITABLE FOR DRILLING VERY HARD GROUND WITH ROCKS OR RUBBLE.
- 9 MT - ATC BIT ADAPTER (A) ATC - MT BIT ADAPTER (B)
- 10 PRESSURE REDUCER VALVE

AVAILABLE ON REQUEST

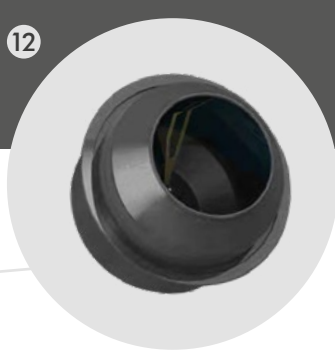




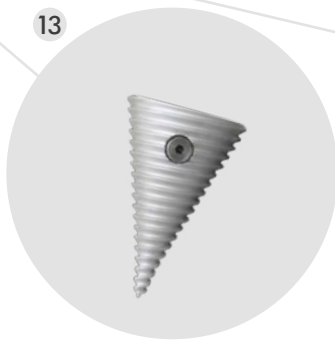
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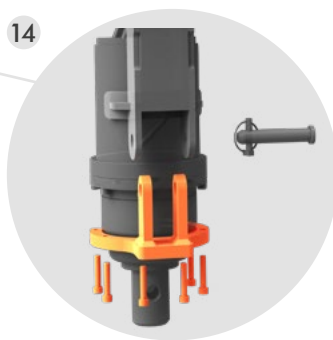
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13



14



## OPTIONAL

### 11 STUMP PLANER S4 - S5

FOR EFFECTIVE, EASY AND CLEAN REMOVAL OF TREE STUMPS OF ANY SIZE IN A SHORT TIME. IDEAL FOR SOIL PREPARATION AND FOREST MAINTENANCE.

### 12 CEMENT MIXER BOWL S4 - S5

MIXER BOWL ENABLES QUICK AND EASY MIXING OF CONCRETE. IDEAL FOR WORK ON ROUGH TERRAIN REQUIRING THE CONCRETE MIXING IN SMALL QUANTITIES. FOR EXCAVATORS FROM 4.5 TONS. WITH AUGERS EQUIPPED WITH CRADLE JOINT.

### 13 LOG SPLITTER S4

THE LOG SPLITTER ATTACHMENT IS COMPACT AND ROBUST FOR EASY PROCESSING AND RECYCLING OF LOGS. THE CONICAL SHAPE MAKES ITS WAY INTO THE LOG, SPLITTING IT IN TWO. USE ON SINGLE-PIN DRILLS IS RECOMMENDED.

### 14 SWING LOCK KIT

THE KIT IS RECOMMENDED TO FACILITATE THE USE OF THE LOG SPLITTER AND IS AVAILABLE FOR MODELS ATC150-250-350. ONLY APPLICABLE WHEN THE AUGER IS EQUIPPED WITH A CRADLE JOINT. MAKES THE DRILL BODY RIGID BY AIDING CONE CENTRING AND IMPROVING PRESSURE ON THE LOG. CLAMPING IS DONE BY MEANS OF THE BIT CONNECTION PIN.

## BIT

	BIT COUPLING
STANDARD BIT S4	Ø65 (2,5)
STANDARD BIT S5	SQUARE 75 MM (2,9)
STANDARD BIT S6	SQUARE 75 MM (2,9)
ROCK BIT S4	Ø65 (2,5)
ROCK BIT S5	SQUARE 75 MM (2,9)
ROCK BIT S6	SQUARE 75 MM (2,9)

## ACCESSORIES

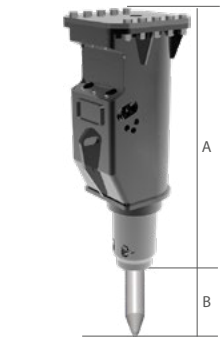
	BIT COUPLING	DIAMETER MM (IN)
STUMP PLANER S4	Ø65	
STUMP PLANER S4	Ø65	
STUMP PLANER S5	SQUARE 75 MM (2,9)	
STUMP PLANER S5	SQUARE 75 MM (2,9)	
CEMENT MIXER BOWL S4 180 L	Ø65	
CEMENT MIXER BOWL S5 180 L	SQUARE 75 MM (2,9)	
LOG SPLITTER S4	Ø65	
SWING LOCK KIT	Ø65	







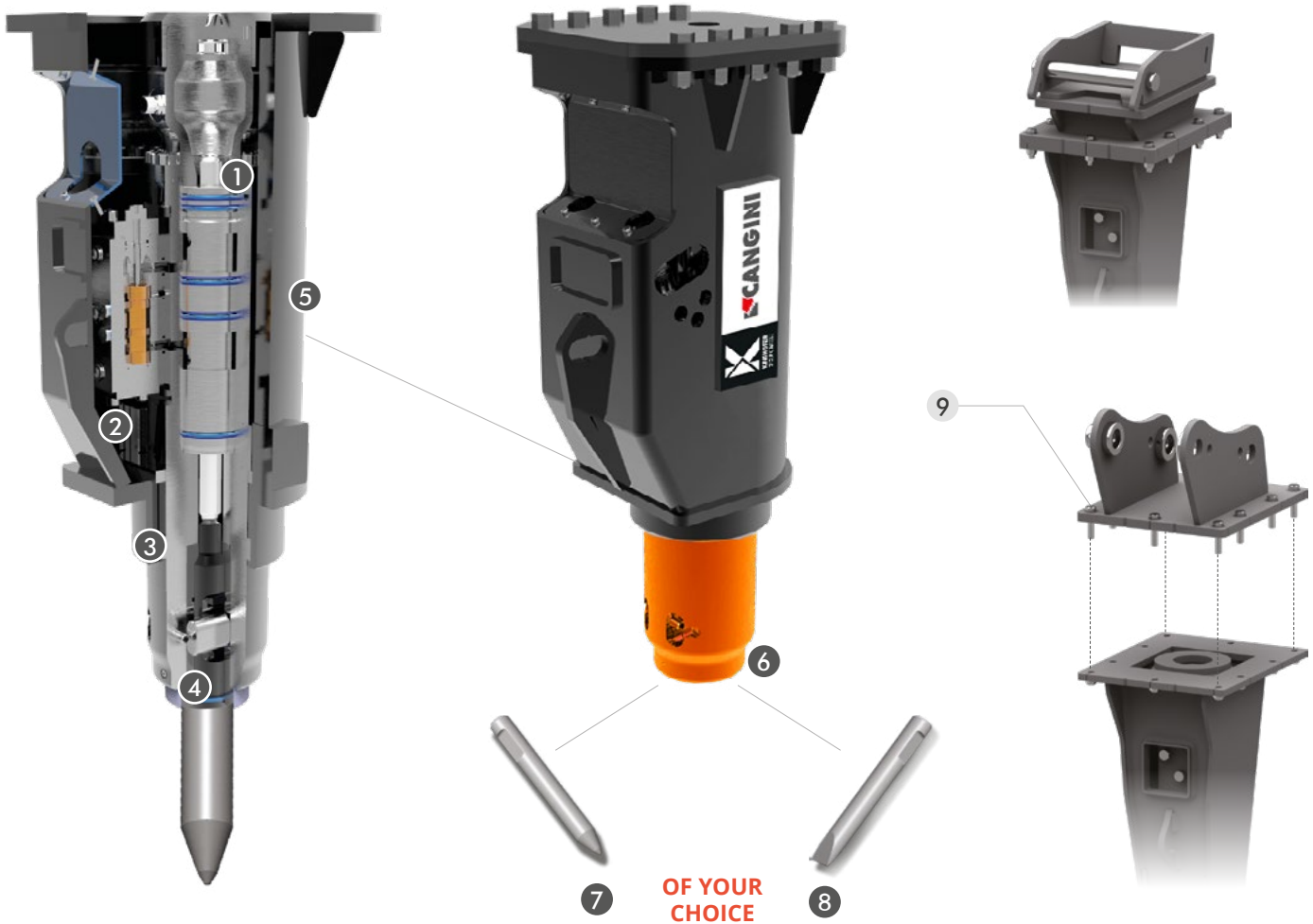




THE C.B. SERIES HYDRAULIC DEMOLITION HAMMER IS AVAILABLE IN 9 MODELS FOR EXCAVATORS WITH WORKING WEIGHT FROM 0,5 TO 12,5 TONNES. ITS ENCASED STRUCTURE IS DESIGNED TO MINIMISE THE NOISE LEVELS EMITTED BY THE HAMMER. THE SYSTEM IS DEVELOPED TO RECOVER THE NITROGEN'S INERTIAL ENERGY IN ORDER TO BOOST POWER. THE PRODUCT'S DESIGN ENABLES GREATER VISIBILITY WHEN AT WORK.



	WITHOUT COUPLING	KG (LB)	60 (132)	70 (154)	100 (220)	135 (298)	190 (419)	240 (529)	300 (529)	470 (1036)	520(1146)
	TOOL DIAMETER	MM (IN)	40 (2)	40 (2)	45 (2)	48 (2)	55 (2)	65 (3)	75 (3)	80 (3)	90 (4)
	MAX	BAR (PSI)	110 (1595)	110 (1595)	110 (1595)	110 (1595)	130 (1885)	140 (2030)	160 (2321)	160 (2321)	160 (2321)
	MAX.	L/MIN (GAL/MIN)	15-20 (4 - 5)	18-23 (5 - 6)	20-30 (5 - 8)	22-40 (6 - 10)	25-55 (7 - 15)	30-60 (8 - 16)	50-70 (13 - 18)	65-90 (17 - 24)	70-95 (18 - 25)
	ROUNDS PER MINUTE	N.	800 - 1700	800 - 1750	800 - 2300	800 - 2000	900 - 1900	850 - 1800	600 - 1500	600 - 1300	600 -1300
	BACKPRESSURE	BAR (PSI)	30 (435)	30 (435)	30 (435)	30 (435)	30 (435)	30 (435)	30 (435)	30 (435)	30 (435)
	IMPACT ENERGY	J	250	280	400	580	750	950	1200	1700	2300



STANDARD TECHNICAL FEATURES

- 1 NITROGEN CHAMBER**  
IT RECOVERS THE NITROGEN'S INERTIAL ENERGY, REDUCING MAINTENANCE COSTS SINCE IT DOES NOT CONTAIN DIAPHRAGMS.
- 2 PROTECTED PIPELINES**  
THEY ARE SUITABLE FOR DRILLING OPERATIONS OF ALL KINDS AND ARE PROTECTED BY A CASING
- 3 LOW-NOISE BODY**  
THE CASING CONSISTS OF A SOUNDPROOFING MATERIAL IN ORDER TO REDUCE THE LEVEL OF NOISE GENERATED
- 4 DOUBLE TOOL RETAINER**  
THE DOUBLE PIN TOOL LOCKING SYSTEM REDUCES ITS WEAR
- 5 MONOBLOC UNIT**  
THE DEMOLITION HAMMER IS BUILT IN A SINGLE BLOCK FOR HIGH RESISTANCE TO LEVERAGE FORCES
- 6 TAPERED SHAPE**  
PROVIDES GREATER VISIBILITY WHEN AT WORK
- 7 CONICAL BIT (STANDARD ONE BIT TO BE CHOSEN BETWEEN CONICAL AND CHISEL)**  
SUITABLE FOR CONCRETE AND MODERATELY HARD UNSTRATIFIED ROCKS
- 8 CHISEL BIT (STANDARD ONE BIT TO BE CHOSEN BETWEEN CONICAL AND CHISEL)**  
SUITABLE FOR MEDIUM-HARD AND STRATIFIED ROCKS

OPTIONAL

- 9 BOLTED-IN ADAPTER PLATE**  
IT CAN BE MANUFACTURED FOR ANY BRAND OR MODEL OF HAMMER. IT ENABLE THE COUPLING TO THE MACHINE WITH FIXED OR QUICK COUPLER.
- 10 PILE DRIVER BIT**  
SUITABLE FOR DRIVING POSTS OF VARIOUS KINDS
- 11 ASPHALT CUTTER BIT**  
SUITABLE FOR CUTTING ASPHALT





9 BOLTED-IN ADAPTER PLATE FOR CB55 - CB70



AR15
CR15
CS10
CS10 JANUS PRO
PL10 PIN LOCK
CW05 AUTO'O'LOCK
S
CM

9 BOLTED-IN ADAPTER PLATE FOR CB100



AR15
AR30
CR15
CR30
CS10
CS10 JANUS PRO
PL20 PIN LOCK
CW05 AUTO'O'LOCK
S
CM

9 BOLTED-IN ADAPTER PLATE FOR CB150



AR30
AR40
CR30
CR40
CS10
CS30
CS10 JANUS PRO
CS30 JANUS PRO
PL20 PIN LOCK
PL40 PIN LOCK
CW05 AUTO'O'LOCK
S
CM

9 BOLTED-IN ADAPTER PLATE FOR CB200



AR40
AR50
CR40
CR50
CS30
CS30 JANUS PRO
PL40 PIN LOCK
PL60 PIN LOCK
CW05 AUTO'O'LOCK
CW10 AUTO'O'LOCK
S
CM

9 BOLTED-IN ADAPTER PLATE FOR CB250



AR40
AR50
CR40
CR50
CS30
CS30 JANUS PRO
PL40 PIN LOCK
PL60 PIN LOCK
CW05 AUTO'O'LOCK
CW10 AUTO'O'LOCK
S
CM

9 BOLTED-IN ADAPTER PLATE FOR CB300



AR50
AR70
CR50
CR70
CS30
CS80
CS30 JANUS PRO
CS80 JANUS PRO
PL60 PIN LOCK
PL80 PIN LOCK
CW10 AUTO'O'LOCK
S
CM

9 BOLTED-IN ADAPTER PLATE FOR CB450

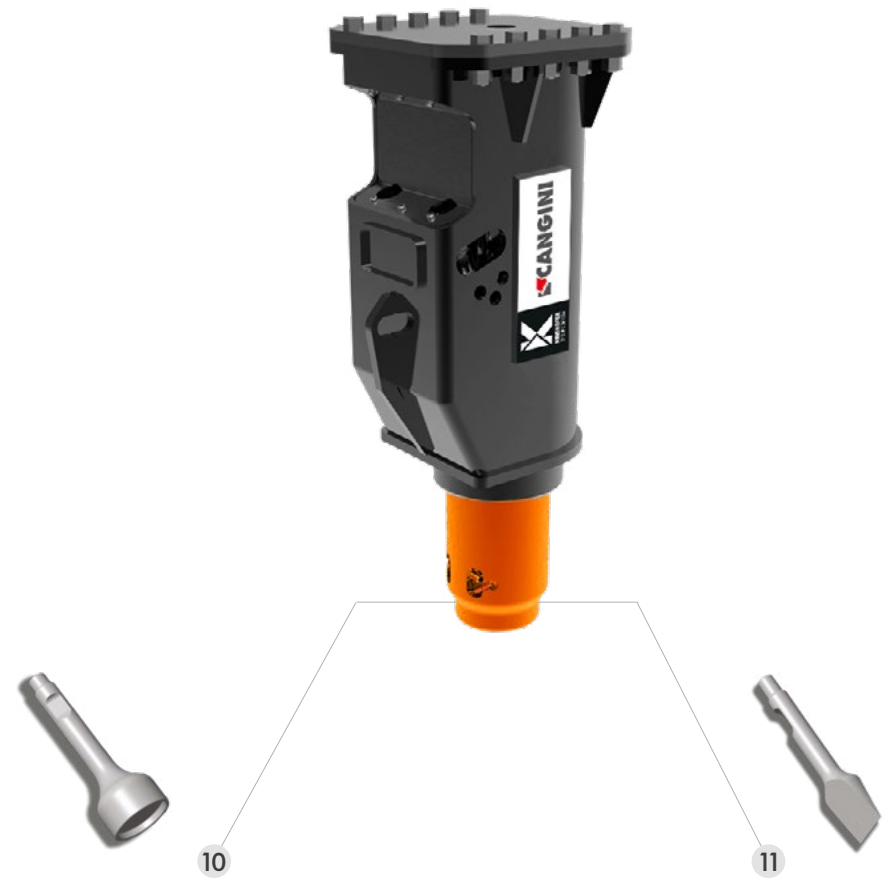


AR70
CR70
CS80
CS80 JANUS PRO
PL60 PIN LOCK
PL80 PIN LOCK
CW10 AUTO'O'LOCK
S
CM

9 BOLTED-IN ADAPTER PLATE FOR CB550



CR70
CS80
CS80 JANUS PRO
PL80 PIN LOCK
CW10 AUTO'O'LOCK
S
CM



MOD.	DIAMETER
	MM (IN)
CB55	100 (3,9)
	120 (4,7)
	145 (5,7)
CB70	100 (3,9)
	120 (4,7)
	145 (5,7)
CB100	100 (3,9)
	120 (4,7)
	145 (5,7)
CB150	180 (7,0)
	100 (3,9)
	120 (4,7)
CB200	145 (5,7)
	180 (7,0)
	120 (4,7)
CB250	175 (6,8)
	120 (4,7)
	145 (5,7)
CB300	200 (7,8)
	120 (4,7)
	145 (5,7)
CB450	175 (6,8)
	220 (8,6)
	120 (4,7)

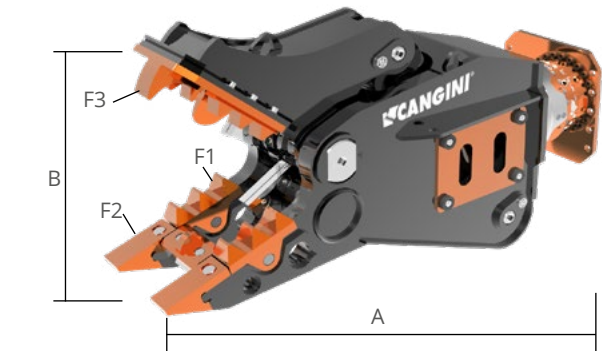
MOD.	DIAMETER
	MM (IN)
CB55	120 (4,7)
	150 (5,9)
CB70	120 (4,7)
	150 (5,9)
CB100	120 (4,7)
	150 (5,9)
CB150	120 (4,7)
	150 (5,9)
CB200	150 (5,9)
	195 (7,6)
CB250	150 (5,9)
	195 (7,6)
CB300	150 (5,9)
	195 (7,6)
CB450	120 (4,7)
	150 (5,9)
CB550	195 (7,6)
	195 (7,6)

ASPHALT CUTTER BIT





THE DEMOLITION ROTATING PULVERISERS GATOR HAS BEEN DESIGNED FOR PRIMARY AND SECONDARY DEMOLITION INCLUDING THE CRUSHING OF PREVIOUSLY DEMOLISHED MATERIAL ON THE GROUND IN ORDER TO REDUCE IT FOR THE DISPOSAL PROCESS AND RECYCLING. SUITABLE FOR CUTTING AND CRUSHING HEAVY MATERIAL SUCH AS CONCRETE WITH METAL REINFORCEMENT AND STEEL STRUCTURES. IT IS HIGHLY RESISTANT THANKS TO ITS STRUCTURE DESIGNED TO INCREASE ITS CRUSHING FORCE. ITS EASY MAINTENANCE IS MADE POSSIBLE BY THE EASY REPLACEMENT OF ALL PARTS MOST SUBJECT TO WEAR, WHILE THE DESIGN IS DEVELOPED FOR A BETTER CRUSHING RESULT.



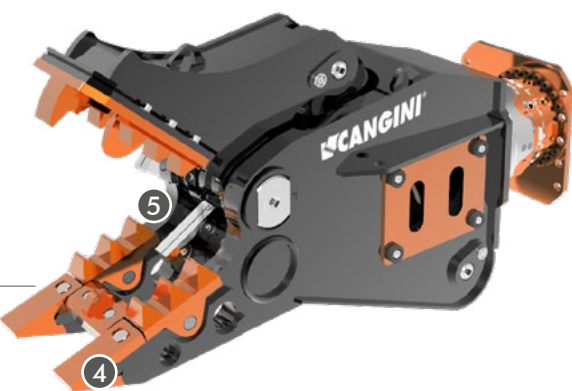
	TON (LB)	3,0 - 8,0 T (6613-22046)	6,0 - 13,0 (13227-28660)	9,0 - 17,0 T (19842-37478)
MOD.		GATOR03	GATOR06	GATOR10
A	MM (IN)	1280 (50)	1450 (57)	1620 (64)
B	MM (IN)	415 (16)	520 (21)	605 (24)
F1	TON (LB)	110 (242508)	130 (286601)	150 (330693)
F2	TON (LB)	60 (132277)	65 (143300)	70 (154324)
F3	TON (LB)	35 (77162)	40 (88185)	45 (99208)
	KG (LB)	330 (728)	570 (1257)	1000 (2204)
	L/MIN (GAL/MIN)	30-70 (7,9-18,5)	60-100 (15,8-26,4)	70-110 (18,5-29)
	BAR (PSI)	280 (4061)	320 (4641)	320 (4641)
		360°	360°	360°
	L/MIN (GAL/MIN)	10-25 (2,6-6,6)	20-40 (5,3-10,6)	20-40 (5,3-10,6)
	BAR (PSI)	100 (1450)	100 (1450)	100 (1450)
	MM (IN)	120 (4,7)	120 (4,7)	160 (6,3)
	MM (IN)	28 (1,1)	30 (1,1)	30 (1,2)



6



3



## STANDARD TECHNICAL SPECIFICATIONS

- DOUBLE MOTORS ENSURING HIGH ROTATION AND HIGH POWER**
- PRESSURE RELIEF VALVE**  
PRESERVES THE ROTATION MOTOR FROM HIGH PRESSURE PEAKS
- HIGH CUTTING PENETRATION POWER**
- JAWS AND BLADES EASY TO REPLACE AND MAINTAIN**
- CYLINDERS AND HYDRAULIC SYSTEM FULLY PROTECTED BY THE FRAME**

## OPTIONAL

- BOLTED-IN ADAPTER PLATE**  
CAN BE USED FOR ANY MAKE OR MODEL OF HAMMER AND ALLOWS ATTACHMENT TO THE MACHINE WITH FIXED ATTACHMENT OR QUICK COUPLER

### SM53 3,0 4,0 t (6613 - 8818 lb)



AR40
CR40
CS30
CS30 JANUS PRO
PL40 PIN LOCK
CW05 AUT'O'LOCK
S
CM

### SM62 4,0 - 5,0 t (8818 - 11023 lb)



AR50
CR50
CS30
CS30 JANUS PRO
PL60 PIN LOCK
CW10 AUT'O'LOCK
S
CM

### SM67 5,0 - 6,0 t (11023 - 13228 lb)



AR50
CR50
CS30
CS30 JANUS PRO
PL60 PIN LOCK
CW10 AUT'O'LOCK
S
CM

### SM67 6,0 - 7,5 t (13228 - 16535 lb)



AR70
CR70
CS80
CS80 JANUS PRO
PL60 PIN LOCK
CW10 AUT'O'LOCK
S
CM

### SM73 7,5 - 10,0 t (16535 - 22046 lb)



CR70
CS80
CS80 JANUS PRO
PL80 PIN LOCK
CW10 AUT'O'LOCK
S
CM

### SM80 10,0 - 12,0 t (22046 - 26456 lb)



CR70
CS80
CS80 JANUS PRO
PL10 PIN LOCK
CW10 AUT'O'LOCK
S
CM

\*\*FOR MACHINES WEIGHING MORE THAN 12 TONS IT IS POSSIBLE TO REQUEST A QUOTE, OTHERWISE THE EQUIPMENT WILL BE SUPPLIED WITHOUT ATTACHMENT.





THE DEMOLITION GRAPPLE DG HAS BEEN DESIGNED FOR PRIMARY AND SECONDARY DEMOLITION INCLUDING THE CRUSHING OF ALREADY DEMOLISHED MATERIAL ON THE GROUND IN ORDER TO REDUCE IT FOR THE DISPOSAL PROCESS AND RECYCLING. SUITABLE FOR CUTTING AND CRUSHING HEAVY MATERIAL SUCH AS CONCRETE WITH METAL REINFORCEMENT AND STEEL STRUCTURES. IT IS HIGHLY RESISTANT THANKS TO ITS STRUCTURE DESIGNED TO INCREASE ITS CRUSHING FORCE. ITS EASY MAINTENANCE IS MADE POSSIBLE BY EASILY REPLACEABLE JAWS AND BLADES.



SPECIFICHE TECNICHE STANDARD

- 1 DOUBLE MOTORS ENSURING HIGH ROTATION AND HIGH POWER
- 2 JAWS HIGHLY RESISTANT
- 3 HIGH CUTTING PENETRATION POWER
- 4 CYLINDERS AND HYDRAULIC SYSTEM FULLY PROTECTED BY THE FRAME
- 5 JAWS AND BLADES EASY TO REPLACE AND MAINTAIN

OPTIONAL

- 6 BOLTED-IN ADAPTER PLATE

CAN BE USED FOR ANY MAKE OR MODEL OF HAMMER AND ALLOWS ATTACHMENT TO THE MACHINE WITH FIXED ATTACHMENT OR QUICK COUPLER

SM38 1,0 - 1,8 t (2204 - 3968 lb)

AR15
CR15
CS10
CS10 JANUS PRO
PL10 PIN LOCK
CW05 AUT'O'LOCK
S
CM

SM45 1,8 - 2,5 t (3968 - 5512 lb)

AR30
CR30
CS10
CS10 JANUS PRO
PL20 PIN LOCK
CW05 AUT'O'LOCK
S
CM

SM53 2,5 4,0 t (5511 - 8818 lb)

AR40
CR40
CS30
CS30 JANUS PRO
PL40 PIN LOCK
CW05 AUT'O'LOCK
S
CM

SM62 4,0 - 5,0 t (8818 - 11023 lb)

AR50
CR50
CS30
CS30 JANUS PRO
PL60 PIN LOCK
CW10 AUT'O'LOCK
S
CM

SM67 5,0 - 6,0 t (11023 - 13228 lb)

AR50
CR50
CS30
CS30 JANUS PRO
PL60 PIN LOCK
CW10 AUT'O'LOCK
S
CM

SM67 6,0 - 7,5 t (13228 - 16535 lb)

AR70
CR70
CS80
CS80 JANUS PRO
PL60 PIN LOCK
CW10 AUT'O'LOCK
S
CM

SM73 7,5 - 10,0 t (16535 - 22046 lb)

CR70
CS80
CS80 JANUS PRO
PL80 PIN LOCK
CW10 AUT'O'LOCK
S
CM

SM80 10,0 - 12,0 t (22046 - 26456 lb)

CR70
CS80
CS80 JANUS PRO
PL10 PIN LOCK
CW10 AUT'O'LOCK
S
CM

\*\*FOR MACHINES WEIGHING MORE THAN 12 TONS IT IS POSSIBLE TO REQUEST A QUOTE, OTHERWISE THE EQUIPMENT WILL BE SUPPLIED WITHOUT ATTACHMENT.



DGR



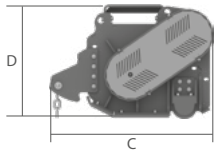
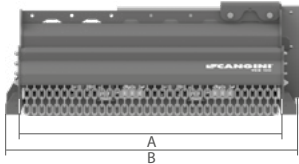
		TON (LB)	1,0 - 4,0 T (2204 - 8818)	3,0 - 9,0 T (6614 - 19842)	7,0 - 15,0 T (15432 - 22069)
	MOD.		DG01	DG02	DG03
	WEIGHT	KG (LB)	175 (386)	300 (661)	650 (1433)
	CLOSING FORCE	TON (LB)	38 (83776)	50 (110231)	60 (132277)
	JAW OPENING	MM (IN)	390 (15,4)	400 (15,7)	680 (26,8)
	JAW DEPTH	MM (IN)	400 (15,7)	430 (16,9)	600 (23,6)
	JAW WIDTH	MM (IN)	50 (1,9)	40 (1,6)	45 (1,8)
	HEIGHT	MM (IN)	900 (35,4)	1150 (45,3)	1500 (59)
	BLADE LENGTH	MM (IN)	100 (3,9)	100 (3,9)	200 (7,9)
	P. MAX OPENING/CLOSING	BAR (PSI)	220 (3191)	260 (3771)	320 (4641)
	OIL	L/MIN (GAL/MIN)	20-50 (5,3-13,2)	30-50 (7,9-13,2)	70-120 (18,5-31,7)
	P. MAX ROTATION	BAR (PSI)	120 (1740)	100 (1450)	100 (1450)
	OIL	L/MIN (GAL/MIN)	10-25 (2,6)	10-30 (2,6-7,9)	10-30 (2,6-7,9)
	MAX. BACK PRESSURE	BAR (PSI)	-	-	-
	OPENING / CLOSING CYCLE	SEC	1.8/2.5	1.8/2.5	2.2/3.0












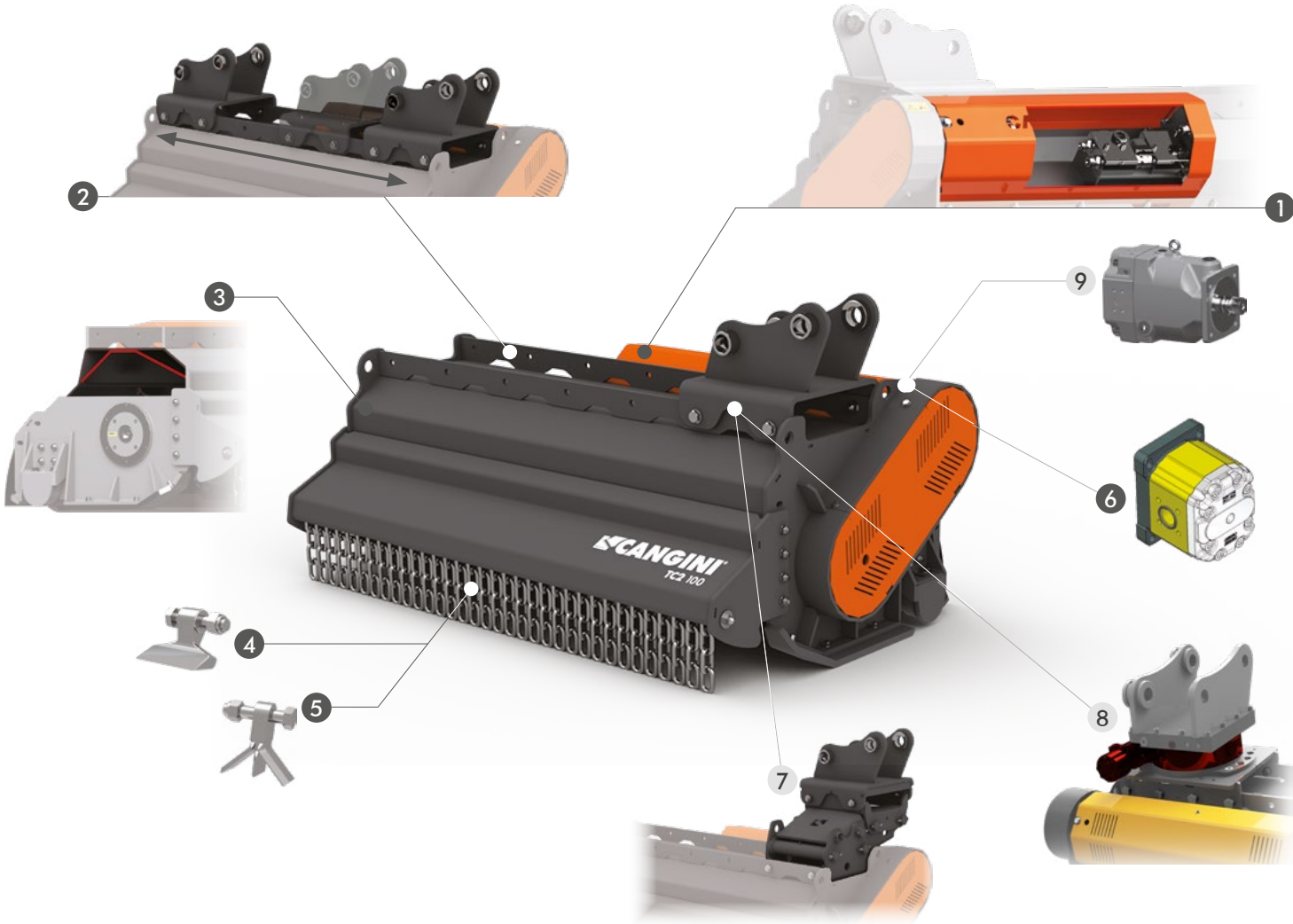
NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)

DESIGNED FOR HEAVY-DUTY OPERATIONS, IT IS EQUIPPED WITH A REINFORCED DOUBLE-FRAME; AN ANTI-SHOCK SHIELDING PROTECTS THE BEARINGS. STANDARD Y BLADES WITH INTERMEDIATE KNIFE OR HAMMERS. FLOW-DIVIDER, PRESSURE RELIEF AND BYPASS VALVES (FOR TC0-50 AND TC0-70 ONLY PRESSURE RELIEF VALVE) . MAX BACK-PRESSURE ALLOWED IS 10 BAR, THEREFORE TC MULCHERS DO NOT REQUIRE ANY DRAINAGE LINE IN MOST OF THE CASES.



TONS (LB)		1,0 - 2,0 (2204 - 4409)		1,5 - 4,5 (3307 - 9921)			4,0 - 9,0 (8818 - 19842)			7,5 - 12,0 (16535 - 26456)		10,0 - 15,0 (22046 - 33069)			
MOD.		TC0-50	TC0-70	TC1-60	TC1-80	TC1-100	TC2-80	TC2-100	TC2-120	TC3-110	TC3-130	TC4-110	TC4-130	TC4-150	
A	MM (IN)	500 (20)	700 (28)	600 (24)	800 (31)	1000 (39)	800 (31)	1000 (39)	1200 (47)	1100 (43)	1300 (51)	1100 (43)	1300 (51)	1500 (59)	
B	MM (IN)	715 (28)	915 (36)	800 (31)	1000 (39)	1200 (47)	980 (39)	1180 (46)	1380 (54)	1280 (50)	1480 (58)	1300 (51)	1600 (63)	1800 (71)	
C	MM (IN)	516 (20)	516 (20)	640 (25)	640 (25)	640 (25)	810 (32)	810 (32)	810 (32)	830 (33)	830 (33)	855 (34)	855 (34)	855 (34)	
D	MM (IN)	417 (17)	417 (17)	461 (18)	461 (18)	461 (18)	530 (21)	530 (21)	530 (21)	575 (23)	575 (23)	620 (24)	620 (24)	620 (24)	
	W/O COUPLER	KG (LB)	70 (154)	83 (183)	100 (220)	115 (254)	125 (276)	245 (540)	270 (595)	300 (661)	375 (827)	412 (908)	455 (1003)	505 (1113)	540 (1190)
		DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	2	2	2	2	2	3	3	3	
		MM (IN)	55 (2,2)	55 (2,2)	80 (3,1)	80 (3,1)	80 (3,1)	114 (4,5)	114 (4,5)	114 (4,5)	133 (5,2)	133 (5,2)	133 (5,2)	133 (5,2)	133 (5,2)
	MIN.	L/MIN (GAL/MIN)	14 (3,6)	14 (3,6)	18 (5)	18 (5)	18 (5)	28 (7)	28 (7)	28 (7)	55 (15)	55 (15)	65 (17)	65 (17)	65 (17)
	MAX	L/MIN (GAL/MIN)	*	*	90 (24)	90 (24)	90 (24)	90 (24)	90 (24)	90 (24)	150 (40)	150 (40)	150 (40)	150 (40)	150 (40)
	MAX	BAR (PSI)	250 (3626)	250 (3626)	250 (3626)	250 (3626)	250 (3626)	250 (3626)	250 (3626)	280 (4061)	280 (4061)	280 (4061)	280 (4061)	280 (4061)	280 (4061)
	MAX WITH HAMMERS	MM (IN)	30 (1,2)	30 (1,2)	40 (1,6)	40 (1,6)	40 (1,6)	80 (3,1)	80 (3,1)	80 (3,1)	100 (3,9)	100 (3,9)	130 (5,1)	130 (5,1)	130 (5,1)

\* Following the engine capacity



STANDARD TECHNICAL FEATURES

- 1 INTEGRATED VALVE UNIT**  
THROTTLE, PRESSURE RELIEF AND BYPASS VALVES.
- 2 COUPLING ADJUSTMENT SLIDE**  
THE COUPLING POSITION CAN BE DIFFERENTLY ADJUSTED.
- 3 REINFORCED BODY**  
DOUBLE REINFORCED BODY FOR A HIGHER RESISTANCE TO SHOCKS.
- 4 SHAFT WITH HAMMERS**  
SUITABLE FOR THE CUTTING OF SHRUBS OR SIMILAR PLANTS.
- 5 SHAFT WITH BLADES**  
SUITABLE FOR THE CUTTING OF GRASS OR SIMILAR VEGETATION.

**6 GEAR MOTOR**  
MOTOR WITH REINFORCED SEAL. IN CASE OF BACKPRESSURE HIGHER THAN 10 BAR, DRAINAGE LINE LINKED TO THE TANK IS MANDATORY.

OPTIONAL

- 7 FLOATING SYSTEM**  
IT ENABLES THE MULCHER TO FOLLOW THE SOIL.
- 8 4 PIPES HYDRAULIC SLEWING RING**  
IT STEERS THE MULCHER TO ADAPT TO ANY CUTTING NEED AND ALLOWS IT TO CUT IN BOTH DIRECTIONS, FORWARDS AND BACKWARDS.
- 9 PISTON ENGINE**

**FIT FOR PARTICULARLY HARD AND CONTINUOUS WORKS. IT NEEDS THE DIRECT DRAINING PIPE TO THE TANK. THE APPLICATION ON THE OPERATING MACHINE WILL BE CHECKED BEFORE ORDER CONFIRMATION**

**NB: ADAPTERS NOT INCLUDED**  
THE MACHINE CONNECTION PLATE IS INCLUDED FOR ALL THE ADAPTERS IN CANGINI CATALOGUE EXCEPT FOR MOD. ADAPTERS CS 100 JANUS PRO, CW 20S, CW30S.

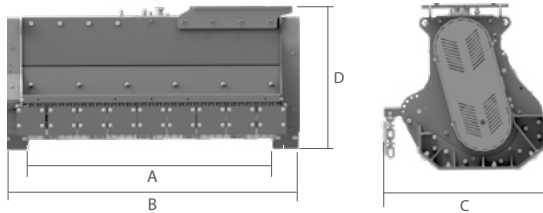




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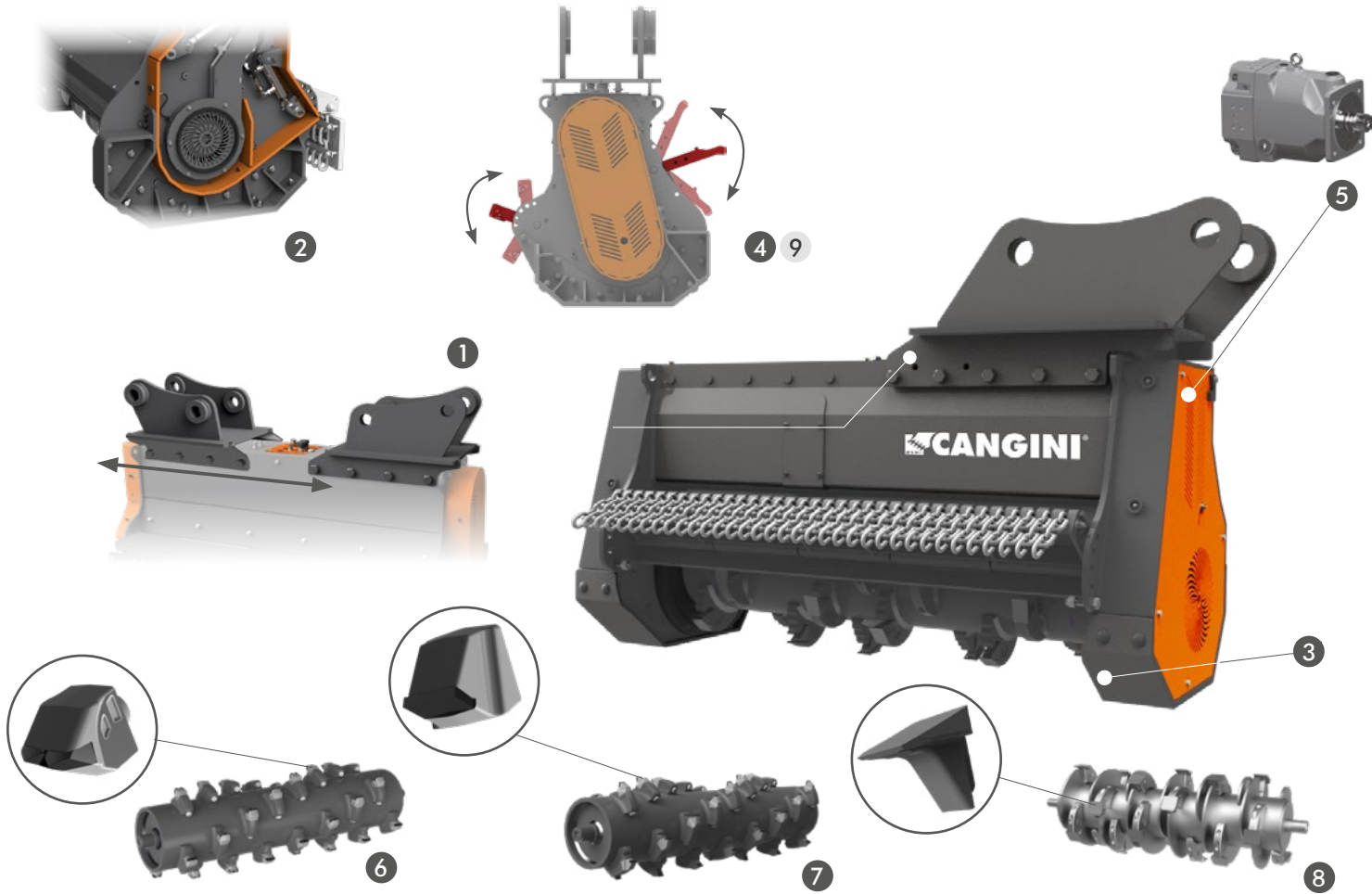
THE FORCE ONE FORESTRY FLAIL HEAD IS DESIGNED TO TACKLE THE HEAVIEST JOBS IN FORESTRY SUCH AS DEEP CLEARING OF WOODS AND FORESTS, MAINTENANCE OF WATERCOURSES AND RESTORATION OF AGRICULTURAL AREAS. IT IS EQUIPPED WITH A VARIABLE DISPLACEMENT PISTON ENGINE CAPABLE OF SUSTAINING VERY INTENSE WORK RHYTHMS. MAKING THE MOST OF THE HYDRAULIC PERFORMANCE OF THE OPERATING MACHINE AND TRANSFERRING THE MAXIMUM AVAILABLE POWER TO THE ROTOR. APPLIED TO THE EXCAVATOR BOOM, IT IS ABLE TO REACH THE NARROWEST AREAS.



	TONS (LB)	10,0 - 15,0 (22046,2-33069,3)		14,0 - 20,0 (30864,7-44092,5)		
MOD.		TX5-100	TX5-120	TX6-110	TX6-130	TX6-150
	MM (IN)	1015 (39,96)	1280 (50,39)	1150 (45,2)	1350 (53,14)	1550 (61,02)
	MM (IN)	1300 (51,18)	1540 (60,62)	1520 (59,8)	1740 (68,5)	1950 (76,7)
	MM (IN)	720 (28,34)	720 (28,34)	760 (29,9)	760 (29,9)	760 (29,9)
	MM (IN)	740 (29,13)	740 (29,13)	910 (35,8)	910 (35,8)	910 (35,8)
	KG (LB)	680 (1499)	760 (1676)	1090 (2403)	1180 (2822)	1280 (2822)
	KG (LB)	677 (1493)	755 (1665)	1085 (2392)	1175 (2590)	1275 (2811)
	KG (LB)	650 (1213)	715 (1345)	1020 (2227)	1100 (2425)	1190 (2601)
	MM (IN)	220 (8,66)	220 (8,66)	280 (11)	280 (11,02)	280 (11,02)
	N.	3	3	1	1	1
	CC	23-46	23-46	32-64	32-64	32-64
	MM (IN)	405 (16)	405 (16)	460 (18)	460 (18)	460 (18)
	L/MIN (GAL/MIN)	90 (24)	90 (24)	110 (16)	110 (29)	110 (29)
	L/MIN (GAL/MIN)	300 (79)	300 (79)	300 (79)	300 (79)	300 (79)
	BAR (PSI)	400 (5801)	400 (5801)	400 (5801)	400 (5801)	400 (5801)

NB: ADAPTERS NOT INCLUDED

THE MACHINE CONNECTION PLATE IS INCLUDED FOR ALL THE ADAPTERS IN CANGINI CATALOGUE EXCEPT FOR MOD. ADAPTERS CS 100 JANUS PRO, CW 20S, CW30S.



STANDARD TECHNICAL FEATURES

- 1

**MECHANICAL COUPLING ADJUSTMENT**

THE COUPLING TO THE MACHINE MAY BE PLACED ALONG THE SURFACE OF THE MULCHER DEPENDING ON THE CUSTOMER'S REQUIREMENTS.
- 2

**AUTOMATIC COOLING SYSTEM**

IT IS EQUIPPED WITH A FORCED-AIR VENTILATION SYSTEM TO HELP REDUCE OVERHEATING OF THE MULCHER'S HYDRAULIC COMPONENTS.
- 3

**INTERCHANGEABLE SKIDS**

THE WEAR PARTS, IN DIRECT CONTACT WITH THE GROUND, ARE INTERCHANGEABLE, BOLTED TO THE BODY, FOR EASY MAINTENANCE.
- 4

**MECHANICAL FLAPS OPENING**

THE OPENING OF THE FLAPS ALLOWS THE ROTOR TO BE MORE EXPOSED TO THE WORKING AREA, INCREASING THE EFFECTIVENESS OF THE MULCHER.
- !

5

**PISTON ENGINE (VARIABLE CC ENGINE CAPACITY)**

**MANDATORY DRAINAGE LINE CONNECTED DIRECTLY TO TANK.**
- 6

**FORESTRY ROTOR FOR GENERAL USE**

THIS TYPE OF ROTOR IS EXTREMELY VERSATILE AND SUITABLE FOR MULTIPLE USES. THE TOOL MEETS THE BEST COMPROMISE BETWEEN WEAR AND IMPACT RESISTANCE.
- 7

**FORESTRY ROTOR CUTTING TOOL**

ROTOR CHARACTERISED BY A TOOL WITH HIGH CUTTING CAPACITY. THE HARDNESS OF THE INSERT MAKES IT SENSITIVE TO SHOCKS.
- 8

**WOOD CHIPS**

IS ABLE TO FINELY CHOP MATERIAL, THANKS TO SPECIAL STEEL INSERTS THAT ADJUST THE WORKING DEPTH OF THE TOOLS AND PROMOTE A CONSTANT ROTATION SPEED.

OPTIONAL

- 9

**HYDRAULIC FLAPS OPENING**

ALLOWS THE HYDRAULIC OPENING OF INDIVIDUAL DOORS INDEPENDENTLY, VIA AN ELECTRO-HYDRAULIC KIT (12V) TO BE SUPPLIED WITH A DOUBLE-ACTING LINE. THE CONTROL BOX IS POSITIONED INSIDE THE DRIVING AREA.





BTC SHARP-CUT BRANCH CUTTER BAR  
FOR EXCAVATOR

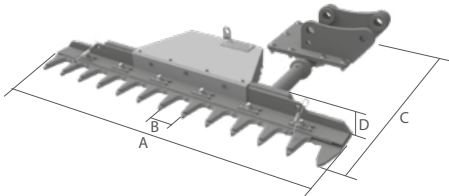


HB450

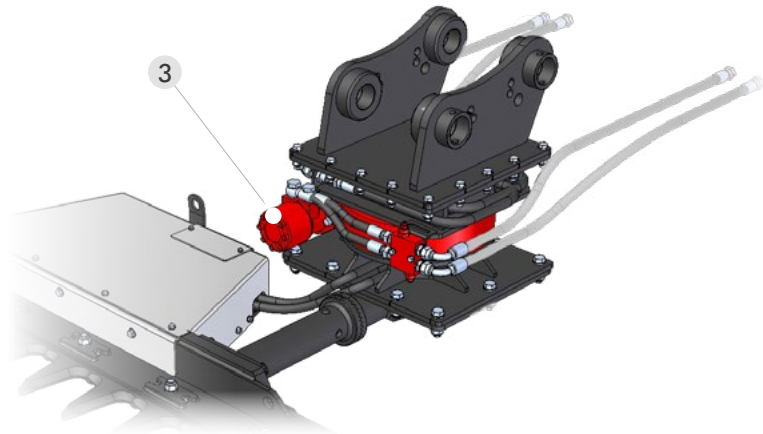


NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)

SUITABLE FOR THE TREE PRUNING UP TO 100 MM (3,9 IN). IT DOES NOT HARM THE PLANT, BECAUSE IT CUTS SHARPLY AND PRECISELY WITHOUT UPROOTING THE BRANCH. THE BAR'S BLADES IN HB450 GRANT RESISTANCE AND EXTENDED USEFUL LIFE.



	TONS (LB)	2,5 - 12,0 (5512 - 26455)		4,0 - 14,0 (8818 - 30865)			
		MOD.	BTC 50-150	BTC 50-180	BTC 100-160	BTC 100-190	BTC 100-220
<b>A</b>	MM (IN)		1500 (59)	1800 (71)	1600 (63)	1900 (75)	2200 (86,6)
<b>B</b>	MM (IN)		50 (2)	50 (2)	100 (3,9)	100 (3,9)	100 (3,9)
<b>C</b>	MM (IN)		670 (26,4)	670 (26,4)	810 (31,8)	810 (31,8)	810 (31,8)
<b>D</b>	MM (IN)		130 (5,1)	130 (5,1)	155 (6,6)	155 (6,6)	155 (6,6)
W/O COUPLER	KG (LB)		175 (386)	190 (419)	240 (530)	260 (574)	285 (629)
MAX.	BAR (PSI)		250 (3626)	250 (3626)	250 (3626)	250 (3626)	250 (3626)
MIN.	L/MIN (GAL/MIN)		40 (11)	40 (11)	50 (11)	50 (11)	50 (11)
MAX.	L/MIN (GAL/MIN)		50 (13,2)	50 (13,2)	60 (15,8)	60 (15,8)	60 (15,8)
BLOWS PER MINUTE	N.		195	195	86	86	86



STANDARD TECHNICAL FEATURES

- 1 HB450 BLADE**  
HB450 BLADES FOR A HIGHER RESISTANCE TO WEAR.
- 2 REVOLVING JOINT**  
THE TOOTHED FLANGE NEXT TO COUPLING AREA ALLOWS TO SETTLE THE TILTING DEGREE ACCORDING TO THE CUSTOMER'S NEED.

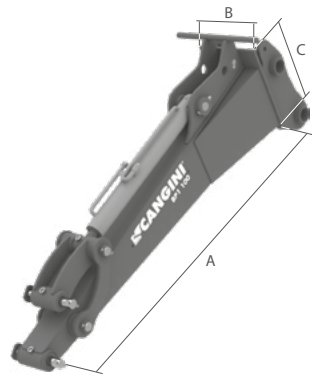
OPTIONAL

- 3 4 PIPES HYDRAULIC SLEWING RING**  
IT ORIENTS THE BRANCH-CUTTER BAR FOR DIFFERENT NEEDS AND IT ALLOWS TO CUT IN BOTH DIRECTIONS.





PARTICULARLY SUITED TO OPERATIONS IN AREAS WHERE THE MACHINE'S STANDARD RANGE OF ACTION IS NOT SUFFICIENT. THE EXTENSION ARM IS SUPPLIED AS A "PARTLY COMPLETED MACHINERY" CERTIFICATION IN ACCORDANCE WITH THE ANNEX II-B OF THE 2006/42/EC MACHINERY DIRECTIVES. ITS EC COMPLIANCE WILL BE DECLARED AFTER IT HAS BEEN ATTACHED TO THE MACHINE AND BEFORE ITS REGULAR USE.



	W/O COUPLER	KG (LB)	75 (165)	85 (187)	185 (408)	210 (463)	430 (948)	460 (1014)	495 (1091)	525 (1157)
	MAX	BAR (PSI)	200 (2901)	200 (2901)	200 (2901)	200 (2901)	200 (2901)	300 (4351)	300 (4351)	300 (4301)

TONS (LB)	2,0 - 4,0 (4409-8818)		4,0 - 7,5 (8818-16535)		7,5 - 10,0 (16535-22046)	10,0 - 12,0 (22046-26455)	12,0 - 14,0 (26455-30865)	12,0 - 14,0 (26455-30865)	12,0 - 14,0 (26455-30865)
MOD.	BP1-100	BP1-120	BP2-150	BP2-180	BP3-190	BP3-220	BP3-250	BP3-275	
<b>A</b> MM (IN)	1000 (39)	1200 (47)	1500 (59)	1800 (71)	1900 (75)	2200 (87)	2500 (98)	2750 (108)	
<b>B</b> MM (IN)	250 (10)	250 (10)	350 (14)	350 (14)	650 (26)	650 (26)	650 (26)	650 (26)	
<b>C</b> MM (IN)	300 (12)	300 (12)	470 (19)	470 (19)	670 (26)	670 (26)	670 (26)	670 (26)	

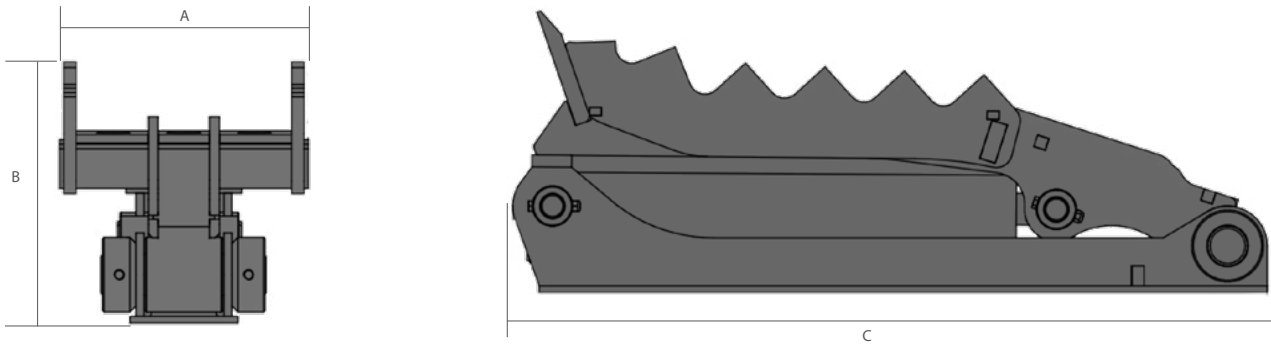




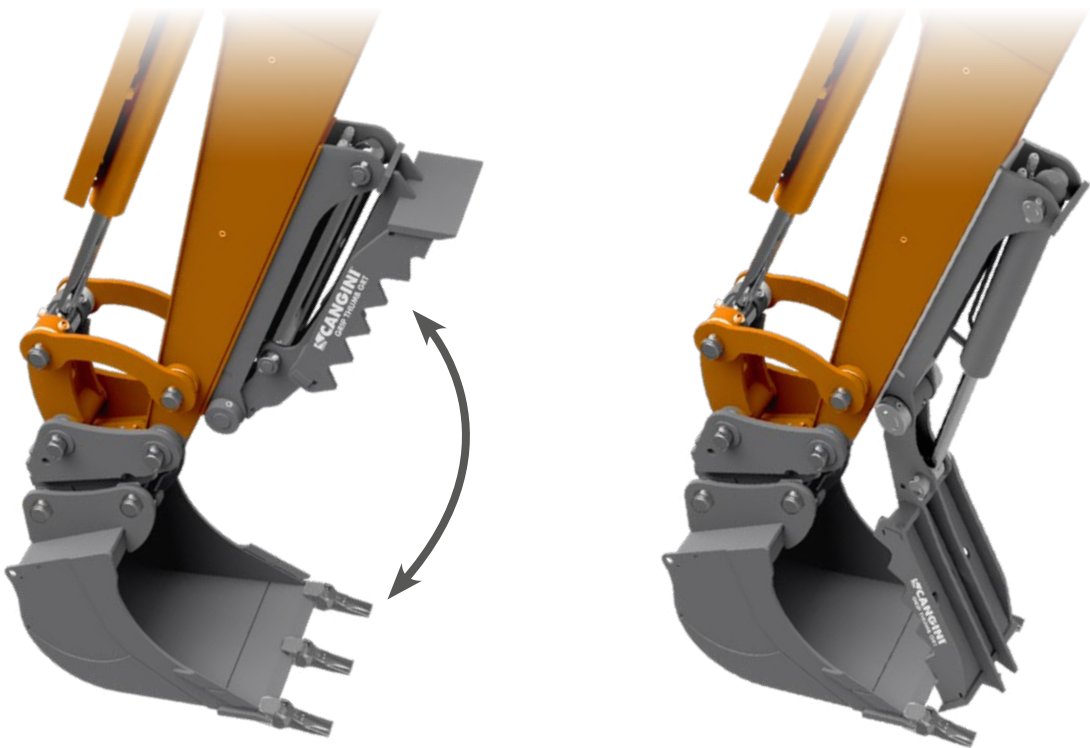


WELDED TO THE ARM OF THE EXCAVATOR, THE CANGINI GRT THUMB FACILITATES GRIPPING OF ROCKY MATERIALS, LOGS AND MANY OTHER ITEMS, SERVING AS A GRAPPLE. ONCE FOLDED AWAY, IT ALLOWS THE BUCKET TO FUNCTION NORMALLY, SIMPLIFYING PROCEDURES FOR THE OPERATOR.

\*\* TONNAGE IS INDICATIVE, CHECK THE APPLICATION'S FEASIBILITY WHEN ORDERING TO AVOID TOOL MALFUNCTIONS.



TONS** (LB)		1,8 - 2,5 (3968,32-5511,56)	2,5 - 4,0 (5511,56-8818,49)	4,0 - 7,5 (8818,49 16534,7)	7,5 - 10,0 (16534,7-22046,2)	10,0 - 14,0 (22046,2-30864,7)	14,0 - 18,0 (30864,7-39683,2)
MOD.		GRT 20	GRT 25	GRT 30	GRT 40	GRT 45	GRT 50
A	MM (IN)	200 (7,8)	250 (9,8)	300 (11,8)	400 (15,7)	450 (7,87)	500 (17,7)
B	MM (IN)	245 (9,6)	245 (9,6)	355 (13,9)	355 (13,9)	485 (19,0)	485 (19,0)
C	MM (IN)	583 (22,9)	583 (22,9)	915 (36,0)	915 (36,0)	1620 (63,7)	1620 (63,7)
	KG (LB)	25 (55)	30 (66)	95 (209,4)	135 (297,6)	355 (782,6)	374 (824,5)
 MAX	BAR (PSI)	200 (2900,7)	200 (2900,7)	250 (3625,9)	250 (3625,9)	300 (4351,1)	300 (4351,1)











RCB SINGLE-FORCE RIPPER & RN MULTI-FORCE RIPPER



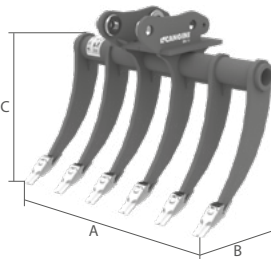




HB400



SINGLE-FORCE RIPPER IS MANUFACTURED ENTIRELY IN HB400. SUITABLE FOR SOIL TILTING, DIGGING, ROOT AND STONE GRUBBING WORKS.

	TONS	0,6 - 2,5 (1323 - 5512)		2,5 - 4,0 (5512 - 8818)		4,0 - 7,5 (8818 - 16535)		7,5 - 14,0 (16535 - 30865)	
	MOD.	RCB45		RCB53		RCB67		RCB80	
	A	MM (IN)	250 (10)	265 (10)	295 (12)	340 (13)			
	B	MM (IN)	490 (19)	530 (20)	665 (26)	790 (31)			
	C	MM (IN)	450 (18)	520 (20)	660 (26)	820 (32)			
 W/O COUPLER	KG (LB)	23 (50)	32 (70)	60 (132)	100 (220)				
 DC TEETH		DC 3 KG 2,1	DC 6 KG 4,0	DC 8 KG 5,4	DC 13 KG 13				
 DTE TEETH		DTE 13 KG 1,7	DTE 17 KG 3,0	DTE 17 KG 3,0	DTE 23 KG 8,8				

MULTI-FORCE RIPPER IS PARTICULARLY SUITABLE FOR SOIL TILLING AND ROOT OR STONE GRABBING WORKS. ENTIRELY REALIZED IN HB400.

	TONS	1,2 - 2,5 (2646 - 5512)		2,5 - 4,0 (5512 - 8818)		4,0 - 7,5 (8818 - 16535)		7,5 - 14,0 (16535 - 30865)		
	MOD.	RN30	RN30	RN40	RN40	RN50	RN50	RN70	RN70	
	A	MM (IN)	400 (16)	600 (24)	500 (20)	800 (31)	600 (24)	1000 (39)	800 (31)	1200 (47)
	B	MM (IN)	300 (12)	300 (12)	320 (14)	320 (14)	380 (15)	380 (15)	507 (20)	507 (20)
	C	MM (IN)	400 (16)	400 (16)	465 (18)	465 (18)	555 (22)	555 (22)	710 (28)	710 (28)
	KG (LB)	27 (60)	33 (72)	35 (77)	46 (101)	64 (141)	83 (182)	137 (302)	170 (374)	
	N.	3	4	3	4	4	5	5	6	
	DC TEETH	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 3 (KG 2,1)	DC 3 (KG 2,1)	DC 6 (KG 4,0)	DC 6 (KG 4,0)	
	DTE TEETH	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 17 (KG 3,0)	DTE 17 (KG 3,0)	DTE 17 (KG 3,0)	DTE 17 (KG 3,0)	



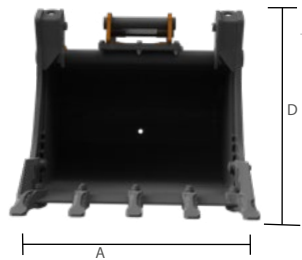
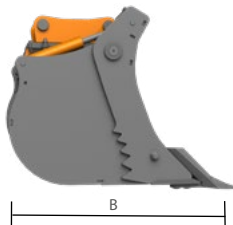
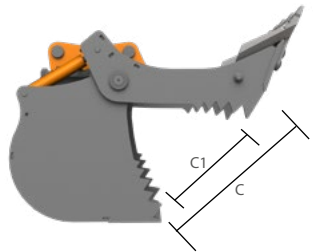
STANDARD TECHNICAL FEATURES

1 DC TEETH DTE TEETH

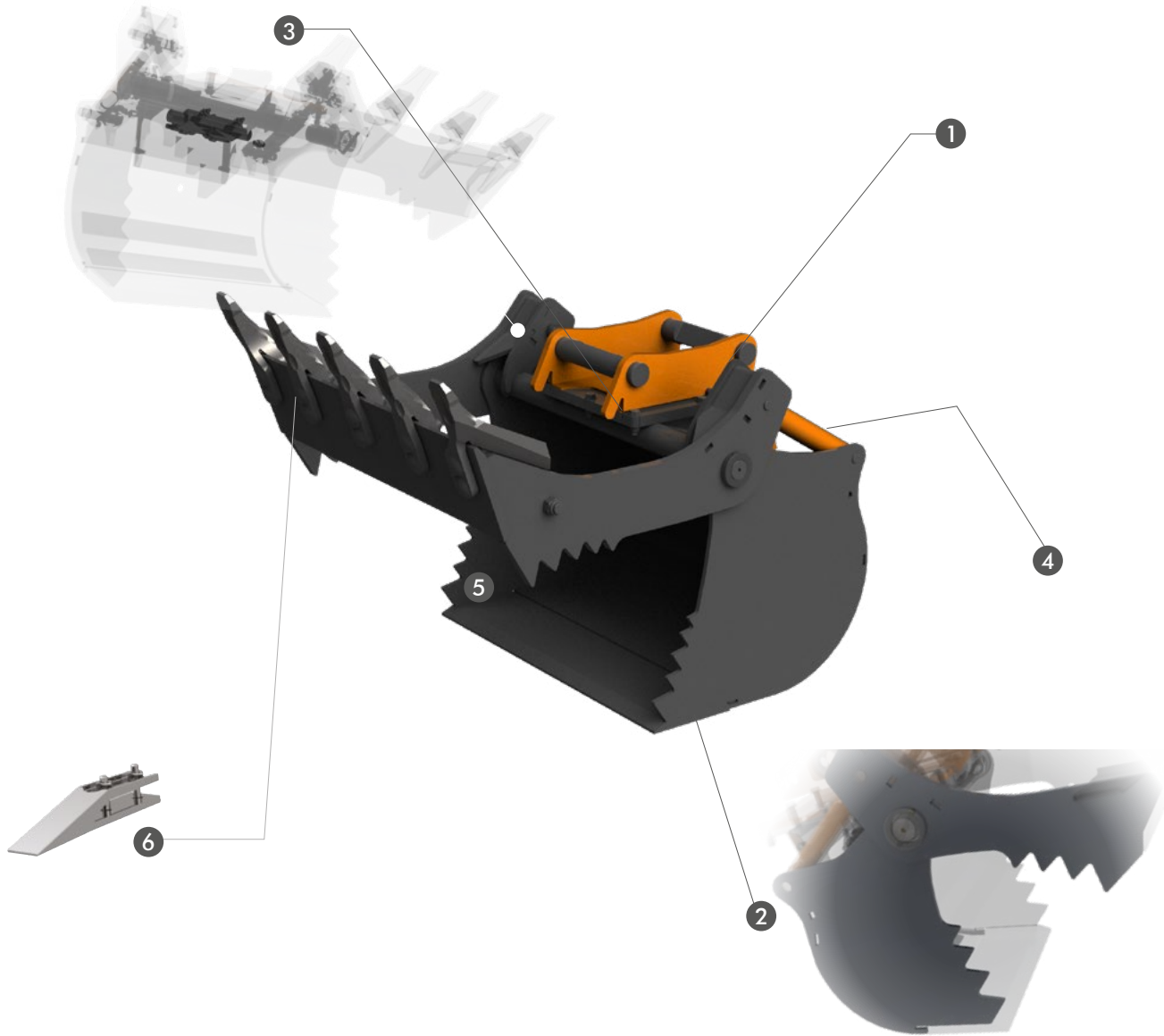




THE 4-IN-1 BUCKET IS A MULTIFUNCTIONAL PIECE OF EQUIPMENT CAPABLE OF PERFORMING VARIOUS TASKS ON THE CONSTRUCTION SITE. IDEAL FOR EXCAVATION, UNLOADING AND LOADING ACTIVITIES. ALSO SUITABLE FOR LEVELLING AND BACKFILLING OPERATIONS. IN ADDITION, THE DOUBLE TOOTHED BLADE MAKES IT EFFECTIVE FOR GRIPPING DIFFERENT MATERIALS.



TON		1,5 - 4 (3307 - 8818)	2,5 - 4 (5512 - 8818)	4 - 6 (8818 - 13227)	4 - 6 (8818 - 13227)	6 - 12 (13227 - 26456)	8 - 12 (17637 - 26456)
	MOD.	E4-40 600	E4-40 800	E4-60 600	E4-60 800	E4-70 800	E4-70 1000
A	MM (IN)	600 (24)	800 (31)	600 (24)	800 (31)	800 (31)	1000 (39)
B	MM (IN)	570 (22)	570 (22)	770 (30)	770 (30)	830 (33)	830 (33)
C	MM (IN)	380 (15)	380 (15)	640 (25)	640 (25)	700 (28)	700 (28)
C1	MM (IN)	245 (10)	245 (10)	460 (18)	460 (18)	535 (21)	535 (21)
D	MM (IN)	546 (21)	546 (21)	716 (28)	716 (28)	846 (33)	846 (33)
W/O COUPLER	KG (LB)	130 (287)	150 (330)	220 (485)	250(551)	350 (772)	390(859)
CAP SAE	L (GAL)	88 (23)	124 (32)	166 (44)	245 (64)	300 (79)	390 (103)
MAX	BAR (PSI)	300 (4786,25)	300 (4786,25)	300 (4786,25)	300 (4786,25)	300 (4786,25)	300 (4786,25)
N° TEETH		5	5	5	5	5	5



STANDARD TECHNICAL FEATURES

- 1 BOLT-ON SADDLE
- 2 DOUBLE BLADE, ON THE BITE, WITH TEETH, FOR DIGGING AND ON THE TANK, SMOOTH, FOR LEVELLING
- 3 OVERCENTER VALVE, TO LIMIT EFFORTS AND PROTECT THE STRUCTURE
- 4 DOUBLE CYLINDER OPENING
- 5 SERRATED BITE PROFILE FOR A BETTER GRIP
- 6 DF TEETH

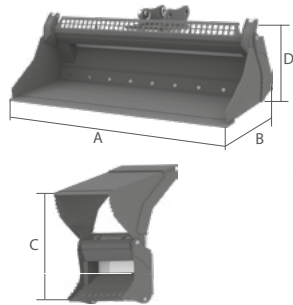




HB400



SUITABLE FOR LOADING, UNLOADING AND HANDLING OPERATIONS. THANKS TO ITS HYDRAULIC OPENING IT IS SUITABLE ALSO FOR VARIOUS MATERIAL GRABBING, WASTE DISCHARGE CONTROL AND GROUND LEVELLING.

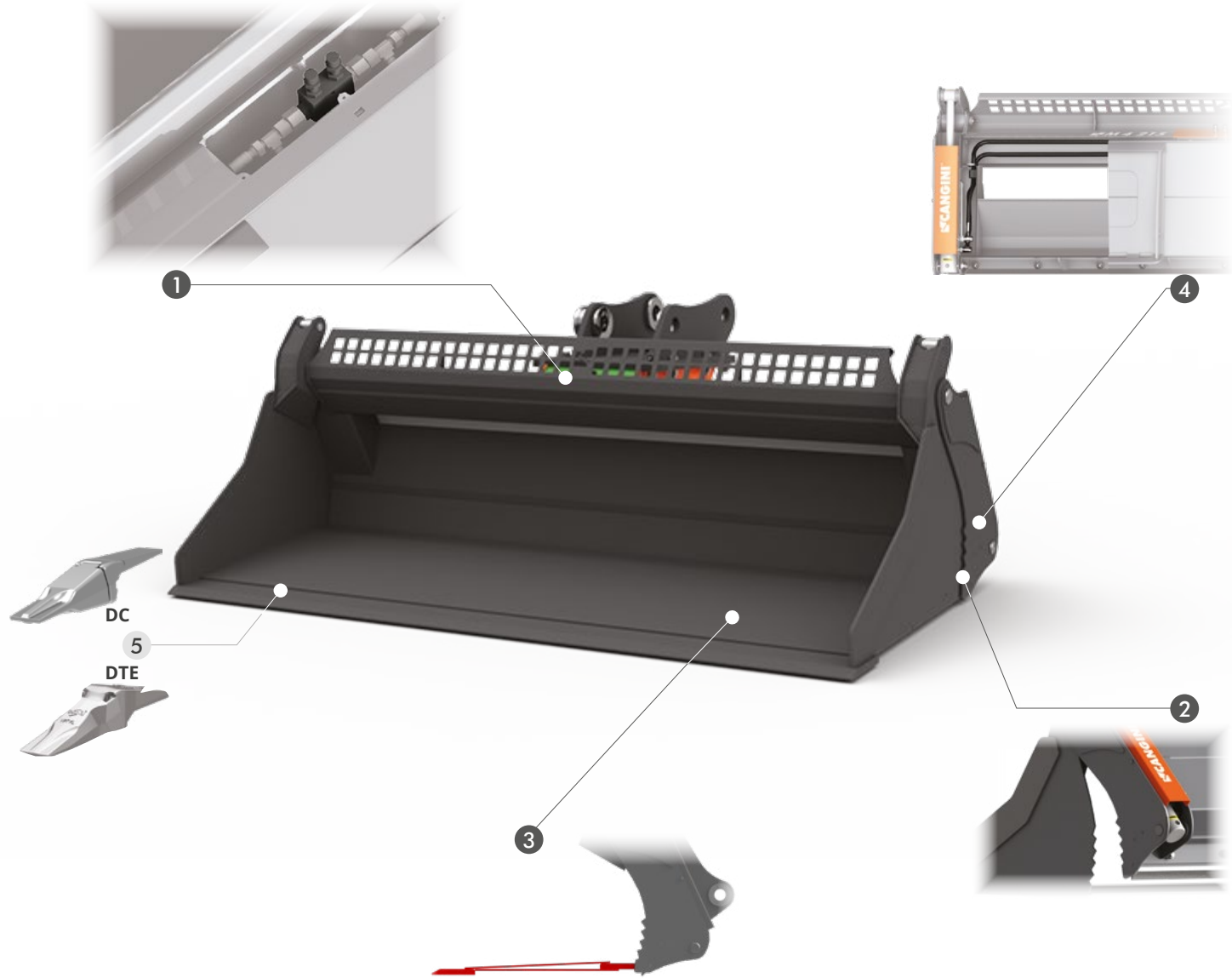


W/O COUPLER

SAE CAP.

MOD.	M4-102	M4-110	M4-125	M4-140	M4-152	M4-170	M4-188	M4-200	M4-215
<b>A</b> MM (IN)	1020 (40)	1100 (43)	1250 (49)	1400 (55)	1520 (60)	1700 (67)	1880 (74)	2000 (79)	2150 (85)
<b>B</b> MM (IN)	850 (33)	850 (33)	850 (33)	850 (33)	850 (33)	950 (37)	950 (37)	950 (37)	950 (37)
<b>C</b> MM (IN)	900 (35)	900 (35)	900 (35)	900 (35)	900 (35)	950 (37)	950 (37)	950 (37)	950 (37)
<b>D</b> MM (IN)	650 (26)	650 (26)	650 (26)	650 (26)	650 (26)	700 (28)	700 (28)	700 (28)	700 (28)
KG (LB)	240 (529)	250 (551)	265 (584)	285 (628)	300 (661)	370 (816)	390 (860)	410 (904)	440 (970)
L (GAL)	265 (70)	290 (76,6)	330 (87,2)	375 (99,1)	410 (108,3)	490 (129,4)	550 (145,3)	580 (153,2)	630 (166,4)

	M4-102	M4-110	M4-125	M4-140	M4-152	M4-170	M4-188	M4-200	M4-215
N.	5	5	6	6	6	7	7	8	8
5 DC TEETH	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)
5 DTE TEETH	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)



## STANDARD TECHNICAL FEATURES

- SAFETY CHECK-VALVE**  
IT ALLOWS TO KEEP THE TOOL SAFE EVEN IN CASE OF DAMAGE OF THE PIPES OR PRESSURE LOSS IN THE SYSTEM.
- SIDE TOOTHING**  
ITS PROFILE ENABLES TO KEEP THE GRABBED MATERIAL.
- HB400 REINFORCEMENT STRIPES AND CUTTING EDGE**  
THEY GRANT HIGH RESISTANCE AGAINST DEFORMATION OF THE MORE STRESSED PARTS.
- HYDRAULIC SYSTEM INTEGRATED INTO THE BODY**  
IT'S INTEGRATED INTO THE BODY THUS PROTECTING PIPES FROM DAMAGES DURING THE WORKING PHASE.

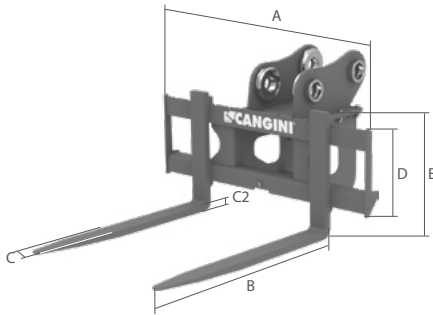
## OPTIONAL

- DC TEETH DTE TEETH**





THIS CONFIGURATION ENABLES THE COUPLING TO EXCAVATORS MAKING IT SUITABLE FOR THE HANDLING OF LOADS IN HARD-TO-REACH AREAS. HOWEVER, IT IS IMPORTANT TO CHECK THAT THE EXCAVATOR IS COMPLIANT FOR LIFTING IN ACCORDANCE WITH THE MACHINERY DIRECTIVE.



	MOD.	FK10 S		FK10		FK18 S	
A	MM (IN)	1150	(45)	1150	(45)	1150	(45)
B	MM (IN)	1000	(39)	1200	(47)	1200	(47)
C	MM (IN)	80	(3,1)	80	(3,1)	100	(3,9)
C2	MM (IN)	30	(1,2)	30	(1,2)	35	(1,4)
D	MM (IN)	406	(16)	406	(16)	406	(16)
E	MM (IN)	620	(24)	620	(24)	620	(24)
	KG (LB)	170	(375)	182	(401)	210	(463)
	KG (LB)	1000	(2205)	1000	(2205)	1800	(3968)

**\*\*NB:** THESE CONFIGURATIONS CAN BE INSTALLED ON THE FOLLOWING MODELS: CR, CS UP TO CS80, CW UP TO CW10





MIX-SF MIXING BUCKET SAFE DISCHARGE



EXCAVATOR



PATENTED



HB400



NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)

GEARBOX TRANSMISSION DELIVERS HIGH PERFORMANCE AND IS ALMOST MAINTENANCE-FREE HIGH PERFORMANCES AND DOES NOT REQUIRE CONTINUOUS MAINTENANCE INTERVENTIONS. THE USE OF DUAL CROSS RELIEF AND FLOW DIVIDER VALVES GRANTS EFFECTIVENESS AND RELIABILITY EVEN IN THE MOST DIFFICULT WORK CONDITIONS.

		MOD.	MIX 150SF.2		MIX 200SF.2		MIX 250SF.2		MIX 350SF.2		MIX 450SF.2		MIX 600SF.2	
		A	MM (IN)											
		B	MM (IN)											
		C	MM (IN)											
		D	MM (IN)											
		W/O COUPLER	KG (LB)											
			KG (LB)											
			L (GAL)											
		DISCHARGE PIPE	MM (IN)											
		MAX	L/MIN (GAL/MIN)											
		MAX	BAR (PSI)											



STANDARD TECHNICAL FEATURES

1 SAFE LOCKING/DISCHARGE (PATENTED)

THE OPERATOR LOCKS THE DISCHARGE PIPE FROM THE BUCKET'S SIDE IN THE SAFEST WORK CONDITION.

2 CONTROL ROD FOR THE DISCHARGE PIPE

IT ENABLES THE PIPE'S DISPLACEMENT FOR THE SIDE POURING.

3 AUGER REMOVAL

THE BUCKET'S BODY HAS BEEN DESIGNED IN A SUCH WAY THAT THE ENTIRE AUGER CAN BE REMOVED THUS MAKING THE MAINTENANCE OPERATION EASIER.

4 GEARMOTOR

IT GUARANTEES HIGH PERFORMANCES TO THE ENTIRE SYSTEM.

5 ELECTRIC KIT

ENABLES SELECTION OF MIXING OR UNLOADING HATCH FROM THE CAB.

OPTIONAL

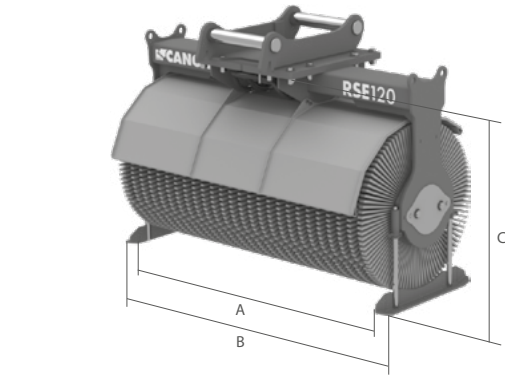
6 FLOWRATE REDUCERS






ADVISED FOR MACHINES WITH OILFLOW HIGHER THAN 70 L/MIN.

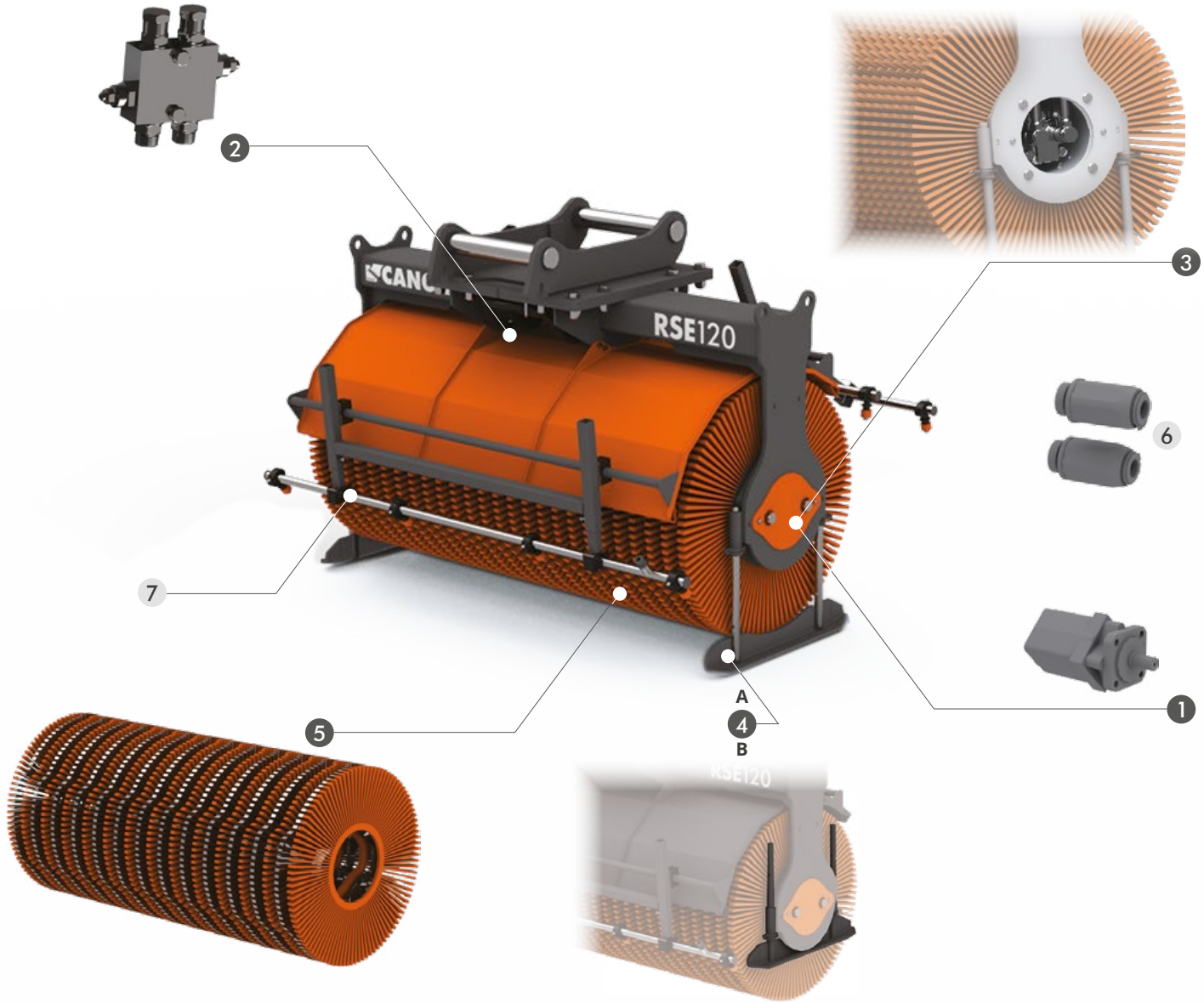




THE BROOM SWEEPER FOR EXCAVATORS IS SUITABLE FOR THE CLEANING OF HORIZONTAL AND VERTICAL SURFACES AND OF AREAS THAT MACHINES WITH FRONTAL ATTACHMENTS CANNOT REACH. IT IS EQUIPPED WITH STABILIZING SHOES TO SAFEGUARD BRUSHES WHEN THE BROOM IS SET TO THE GROUND. STANDARD THROTTLE VALVES AND PRESSURE RELIEF VALVES. THE DIRECT DRIVE ENGINE WITH DISK GEARBOX IS PLACED INSIDE THE BRUSH SHAFT TO REDUCE THE TOOL'S OPERATING OVERALL WIDTH.



	MOD.	RSE120	
 W/O COUPLER	<b>A</b> MM (IN)	1210	(48)
	<b>B</b> MM (IN)	1310	(52)
	<b>C</b> MM (IN)	800	(31)
	KG (LB)	155	(342)
	MM (IN)	600	(24)
	N.	26 + 2	
 MAX	L/MIN (GAL/MIN)	70	(19)
	BAR (PSI)	180	(2611)



STANDARD TECHNICAL FEATURES

- 1 ENGINE WITH SQUARE FLANGES AND DISK GEARBOX**
- 2 PRESSURE RELIEF VALVE**  
THEY PREVENT THE ENGINE FROM PRESSURE PEAKS DURING WORKING PHASES CALIBRATED AT 180 BAR.
- 3 DIRECT DRIVE ENGINE**  
THE SOLUTION OF THE DISK GEARBOX ENGINE MOUNTED DIRECTLY ON THE BRUSH SHAFT ALLOWS TO REDUCE THE OVERALL DIMENSIONS OF THE ROLLER CONSIDERABLY AND MAKE IT MORE VERSATILE.
- 4 ADJUSTABLE STABILIZING SHOES: A) STAND-BY POSITION - B) WORK POSITION**
- 5 PPL + STEEL BRUSH KIT**  
RECOMMENDED FOR THE CLEANING OF PARTICULARLY ABRASIVE SURFACES.

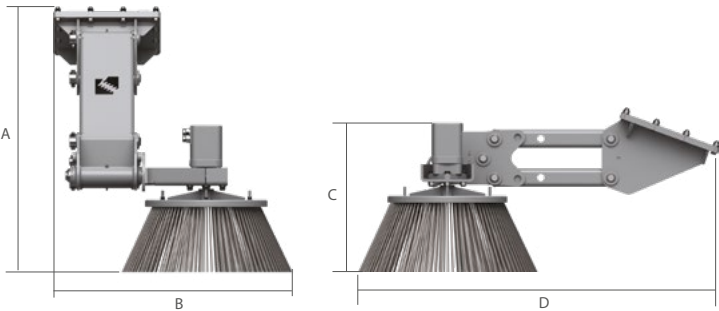
OPTIONAL

- 6 FLOWRATE REDUCERS**  
ADVISED FOR MACHINES WITH OILFLOW HIGHER THAN 70 L/MIN
- 7 OUTSIDE SPRINKLERS KIT**  
THIS KIT DOES NOT INCLUDE TANK AND PUMP.





THIS BRUSH CAN BE APPLIED TO EXCAVATORS. IT IS MADE OF STEEL BRISTLES AND THEREFORE IDEAL FOR THE DEEP CLEANING AND WEED-REMOVAL OF CURBS, PLATFORMS AND BANKS, AND ASPHALTED AREAS. IT IS EQUIPPED WITH STANDARD FLOATING SYSTEM AND JOINT ON ITS HEAD THAT ENABLE THE BRUSH TO ADAPT TO ANY SURFACE. BOTH POSITIONING SYSTEMS CAN BE BLOCKED TO A FIX POSITION FOLLOWING THE UTILIZER'S NEEDS. IN ITS PPL BRISTLE VERSION THE BRUSH CAN CLEAN MORE DELICATE SURFACES WHERE THE WEED-REMOVAL IS NOT NECESSARY.



MOD.	SSC550		
A	MM (IN)	890	(35)
B	MM (IN)	850	(33)
C	MM (IN)	550	(22)
D	MM (IN)	1260	(50)
FLOATING STROKE	MM (IN)	340	(13)
W/O COUPLER	KG (LB)	100	(220)
	MM (IN)	640	(25)
MAX.	L/MIN (GAL/MIN)	70	(19)
MAX.	BAR (PSI)	200	(2901)



STANDARD TECHNICAL FEATURES

- 1 ENGINE WITH SQUARE FLANGES AND DISK GEARBOX
- 2 PPL BRUSH (A) STEEL BRUSH + RUBBER PLATE (B) STEEL BRUSH + STEEL PLATE (C)
- 3 FLOATING SYSTEM AND JOINT

OPTIONAL

- 4 FLOWRATE REDUCERS  
ADVISED FOR MACHINES WITH OILFLOW HIGHER THAN 70 L/MIN
- 5 STONE DEFLECTOR



FRONTAL ATTACHMENTS



SKID LOADER



MINI SKID














































WHEEL LOADER



BACKHOE LOADER



TELEHANDLER

WG-F FRONT WOOD GRABS	68						
V-F SCREENING BUCKET	70						
VMS-F MULTISCREENING BUCKET	72						
VMS TWIN-F MULTISCREENING BUCKET	74						
TC-F FRONT MULCHER	76						
TX-F FORCE ONE FRONT FORESTRY MULCHER	78						
BTC-F SHARP-CUT BRANCH CUTTER BAR	80						
ATC-F AUGER	82						
M4 4 IN 1 BUCKET	86						
SKID FRONT BUCKET	88						

FRONTAL ATTACHMENTS



SKID LOADER



MINI SKID




















































WHEEL LOADER



BACKHOE LOADER



TELEHANDLER

FK FRONT PALLET FORK	90						
MIX-SF MIXING BUCKET SAFE DISCHARGE	92						
LN STANDARD SNOW BLADE	94						
LBD DOZER BLADE	96						
XPLANE LASER DOZER BLADE	98						
XPLANE LASER DOZER BLADE - IOT SYSTEM	100						
LASER TRANSMITTER COMPATIBLE WITH LASER DOZER BLADE	102						
SPZ SWEEPER BUCKET	104						
S EASY SWEEPY SWEEPER	106						
R EASY SWEEPY FRONT ROLLER	108						
F ALL DUSTER JOINTED BRUSH	110						





WG-F FRONT  
WOOD GRABS



SKID LOADER



MINI SKID

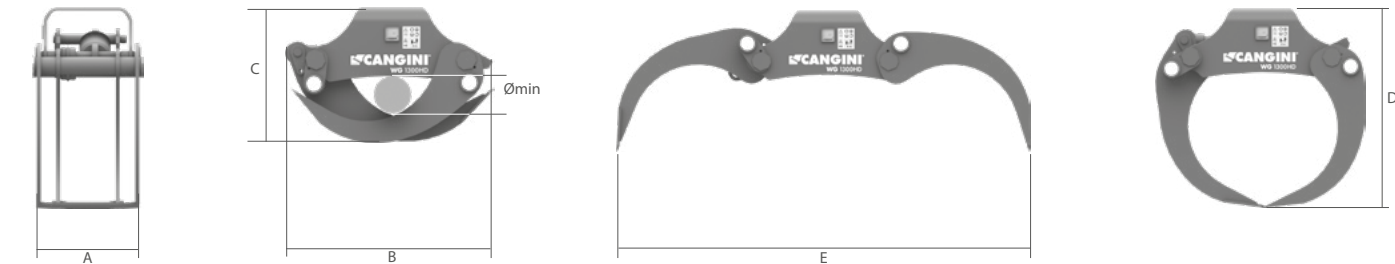


WHEEL LOADER



**NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)**

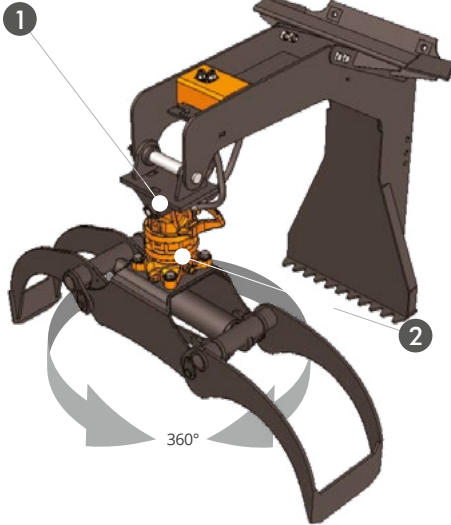
THE LOG GRAPPLE CAN BE EQUIPPED WITH 360° HYDRAULIC ROTATION, PARTS SUBJECT TO GREATER WEAR ARE MADE OF DOMEX 700. STANDARD EQUIPMENT INCLUDES A BLOCK VALVE ON THE CLOSING CYLINDER.



	MOD.	WGF 100	WGF 110	WGF 130
<b>A</b>	MM (IN)	330 (13)	395 (16)	425 (17)
<b>B</b>	MM (IN)	610 (24)	655 (26)	735 (29)
<b>C</b>	MM (IN)	410 (16)	440 (17)	495 (19)
<b>D</b>	MM (IN)	650 (25)	695 (27)	790 (31)
<b>E</b>	MM (IN)	1090 (43)	1180 (46)	1400 (55)
W/O COUPLER	KG (LB)	166 (366)	210 (462)	240 (529)
MIN.	MM (IN)	70 (2)	80 (3,1)	75 (2,9)
MAX.	L/MIN (GAL/MIN)	50 (13)	50 (13)	50 (13)
MAX.	KG (LB)	500 (1102)	1000 (2204)	1000 (2204)
MAX.	BAR (PSI)	200 (2901)	200 (2901)	200 (2901)
ELECTRIC KIT		STD	STD	STD

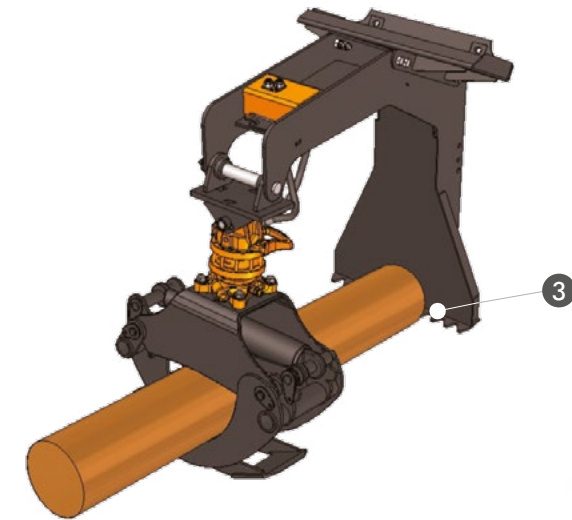


1



2

360°



STANDARD

**1 FRONT WOOD GRABS WITH HYDRAULIC 360° ROTATION**

**2 BLOCK VALVE ON THE CYLINDER**

**3 SERRATED BLADE AS SUPPORT TO MATERIAL HANDLING**  
IT OFFERS A SUPPORT BASE DURING THE HANDLING OF THE LIFTED MATERIAL

**4A SKID LOADER HITCH**

**4B MINI SKID LOADER HITCH**

**5 2 HOSES KIT**

IT ALLOWS THE FUNCTIONING OF THE ROTATION AND OPENING/CLOSING OF THE CLAWS ON MACHINES PROVIDED WITH ONE DOUBLE EFFECT LINE.IL CONTROL KIT WITH MAGNETS TO EASILY PUT IT INSIDE THE CAB. **CONTROL BOX INCLUDED WITH 2 PIPE KIT**

**NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS**

OPTIONAL

**6 ARTICULATED LOADERS, BACKHOE LOADERS HITCH**

**7 14 PIN HD36-18-14SE (A) 8 PIN HD36-18-8SE (B) CONNECT**

THE CONNECTOR TYPE YOU REQUIRE MUST BE INDICATED AT THE TIME OF ORDERING.





V-F FRONTAL  
SCREENING BUCKET



SKID LOADER



MINI SKID



WHEEL LOADER



BACKHOE LOADER



TELEHANDLER



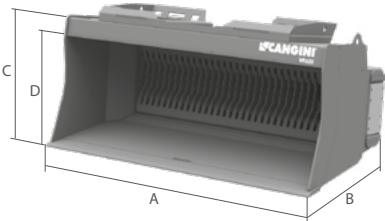
PATENTED



HB400



IT GRADES MATERIALS FROM DEMOLITION, DIGGING AND EARTH-MOVING WORKS. IT IS IDEAL ALSO FOR THE MIXING OF TERRAIN AND PEAT. THE CORE-ELEMENT IS AN HYDRAULIC SIEVE WITH ROTATING HB400 KNIVES. THE MATERIAL THICKNESS CAN VARY FROM 0 TO 20 (0 - 0,8 IN) AND FROM 0 TO 35 (0 - 1,4 IN) WITH A STANDARD EQUIPMENT.



	MOD.	VF600		VF700		VF1000		VF1300		VF1600	
<b>A</b>	MM (IN)	1200	(47)	1400	(55)	1600	(63)	1 800	(71)	2000	(79)
<b>B</b>	MM (IN)	720	(28)	840	(33)	840	(33)	1050	(41)	1050	(41)
<b>C</b>	MM (IN)	620	(24)	650	(26)	650	(26)	780	(31)	780	(31)
<b>D</b>	MM (IN)	550	(22)	580	(23)	580	(23)	710	(28)	710	(28)
W/O COUPLER	KG (LB)	320	(705)	370	(816)	420	(926)	670	(1477)	800	(1764)
	KG (LB)	600	(1323)	700	(1543)	915	(2017)	1300	(2866)	1550	(3417)
	MM (IN)	0/20-0/35	(0/0,8-0/1,4)	0/20-0/35	(0/0,8-0/1,4)	0/20-0/35	(0/0,8-0/1,4)	0/20-0/35	(0/0,8-0/1,4)	0/20-0/35	(0/0,8-0/1,4)
	L/MIN (GAL/MIN)	40-70	(11/19)	40-70	(11/19)	40-70	(11/19)	60-90	(16/24)	60-90	(16/24)
	N.	2		2		2		2		2	
	L (GAL)	186	(49,1)	220	(58,1)	330	(87,2)	420	(111)	500	(132,1)

	VF600	VF700	VF1000	VF1300	VF1600
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STANDARD

- 1 SAFETY VALVE**  
IT PROTECTS THE ENGINE AGAINST THE PRESSURE PEAKS OCCURRING DURING THE WORKING CYCLES.
- 2 SHAFT SYSTEM**  
ALL KNIVES ARE MADE OF HB400.
- 3 PATENTED SHAFT REPLACEMENT SYSTEM**  
THANKS TO THE PATENTED SYSTEM, IT IS POSSIBLE TO REPLACE SHAFTS RAPIDLY AND MODIFY THE SIEVED MATERIAL SIZE, WITHOUT INTERVENING ON TRANSMISSION.

**NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS**

OPTIONAL

- 4 ARTICULATED LOADERS, BACKHOE LOADERS AND TELEHANDLER HANDLERS HITCH**  
THE WHEEL LOADER COUPLING PLATE CAN BE ADDED TO THE STANDARD SKID COUPLING SYSTEM.
- 5 FLOWRATE REDUCERS**  
MANDATORY ON HIGHFLOW MACHINES OR WITH OILRATE HIGHER THAN 70 L/MIN.
- 6 ARTICULATED LOADERS HITCH**





VMS-F MULTISCREENING  
FRONTAL BUCKET



SKID LOADER



MINI SKID



WHEEL LOADER



BACKHOE LOADER



TELEHANDLER



PATENTED

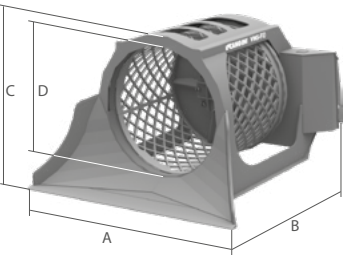


HB400



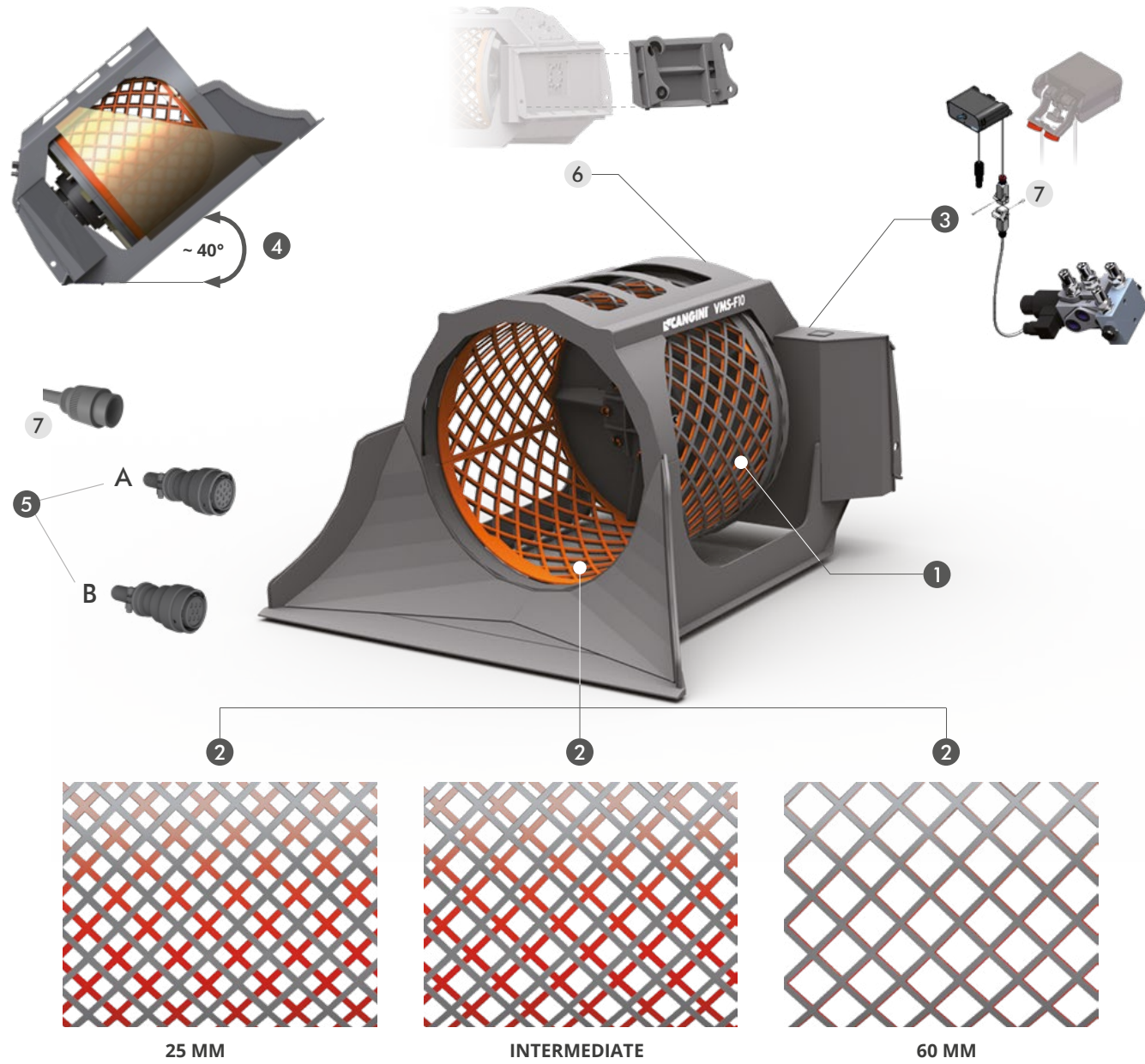
**NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)**

THE MULTISCREENING BUCKET WITH THE NEW ROTARY DOUBLE DRUM CONCEPT FOR FRONTAL COUPLING AND MACHINES UP TO 14 TONS (30865 LB) IS SUITABLE FOR SELECTION DUTIES ON TURNED SOILS AND RESULTING MATERIALS. THE MATERIAL SIZE CHANGE - FROM 25 TO 60 MM (1 - 2,4 IN). - IS CONTROLLED DIRECTLY AND HYDRAULICALLY FROM THE CAB WITHOUT REPLACING ANY MECHANICAL PART THUS REDUCING THE WORK TIMES CONSIDERABLY.



	MOD.		VMS-F6		VMS-F8		VMS-F10	
	<b>A</b>	MM (IN)	1200	(47)	1400	(55)	1600	(63)
	<b>B</b>	MM (IN)	1270	(50)	1420	(56)	1550	(61)
	<b>C</b>	MM (IN)	780	(31)	890	(35)	950	(37)
	<b>D</b>	MM (IN)	650	(26)	760	(30)	870	(34)
	W/O COUPLER	KG (LB)	360	(794)	450	(992)	600	(1323)
	OPERATING	KG (LB)	550	(1213)	770	(1698)	1050	(2315)
	MIN.	MM (IN)	25	(1)	25	(1)	25	(1)
	MAX.	MM (IN)	60	(2,6)	60	(2,6)	60	(2,6)
	MAX.	L/MIN (GAL/MIN)	80	(21)	80	(21)	80	(21)
	MAX.	BAR (PSI)	350	(5076)	350	(5076)	350	(5076)
	MAX.	L (GAL)	170	(44,9)	285	(75,3)	400	(105,7)
14/8 PIN CONNECT*			STD 14 PIN		STD 14 PIN		STD 14 PIN	

\* THE CONNECTOR TYPE YOU REQUIRE MUST BE INDICATED AT THE TIME OF ORDERING, OTHERWISE THE 14-PIN CONNECTOR WILL BE SUPPLIED AS STANDARD.



STANDARD TECHNICAL FEATURES

- HB400 DRUMS**  
THE DRUMS CAN AFFORD HIGH WORK PACES THANKS TO THEIR HIGHLY RESISTANT MATERIAL THAT EXTENDS THEIR USEFUL LIFE.
- AUTOMATIC SCREENING SYSTEM**  
THE DOUBLE ROTATING BASKET SYSTEM WITH HYDRAULIC CONTROL FROM THE CABIN ALLOWS SELECTION OF THE THICKNESS OF THE SCREENED MATERIAL. THE SCREEN IS ADJUSTED BY MOVING THE INNER BASKET BY MEANS OF AN INTEGRATED HYDRAULIC CYLINDER. THE OPERATION IS EXTREMELY QUICK AND REQUIRES NO MECHANICAL INTERVENTION ON THE BUCKET.
- 2 HOSES KIT**  
IT ALLOWS THE FUNCTIONING OF THE ROTATION AND HYDRAULIC SHIFTING OF THE SCREENING DRUMS ON MACHINES PROVIDED WITH A DOUBLE EFFECT LINE. CONTROL KIT WITH MAGNETS TO EASILY PUT IT INSIDE THE CAB.
- OPERATING LOAD AND OPTIMAL WORKING CONDITION**
- 14 PIN HD36-18-14SE (A) 8 PIN HD36-18-8SE (B) CONNECT**  
THE CONNECTOR TYPE YOU REQUIRE MUST BE INDICATED AT THE TIME OF ORDERING. OTHERWISE THE 14-PIN CONNECTOR WILL BE SUPPLIED AS STANDARD.

**NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS**

OPTIONAL

- HITCH FOR ARTICULATED LOADERS, BACKHOE LOADERS AND TELEHANDLER HANDLERS.**  
IT'S POSSIBLE TO ADD THE HITCH FOR ARTICULATED LOADERS, BACKHOE LOADERS AND TELEHANDLER HANDLERS TO THE SKID LOADER HITCH PROVIDED WITH THE STANDARD EQUIPMENT.
- ELECTRIC KIT**  
\*THE PLUG IS SUPPLIED DISASSEMBLED, IF NO INFORMATION ON THE PLUG WIRING IS PROVIDED, PLEASE CHECK THAT THE MAIN MACHINE IS EQUIPPED WITH A 14/8-PIN MULTIPOLE SOCKET. ON THE CONTRARY, TH ELECTRICAL KIT IS REQUIRED.





VMS TWIN-F MULTISCREENING  
FRONTAL BUCKET



WHEEL LOADER

BACKHOE LOADER

TELEHANDLER



PATENTED

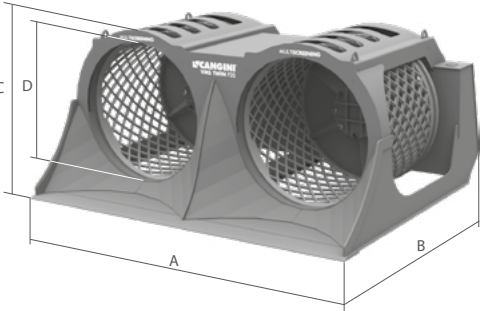


HB400



NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)

THE NEW MULTISCREENING BUCKET FOR FRONTAL COUPLING, WITH TWO ROTARY DOUBLE DRUMS COUPLED IN A SINGLE FRAME, IS SUITABLE FOR SELECTION DUTIES ON TURNED SOILS AND RESULTING MATERIALS. THE MATERIAL SIZE CHANGE, FROM A MINIMUM OF 25 MM TO A MAXIMUM OF 65 MM (1 - 2,4 IN), IS HYDRAULICALLY CONTROLLED FROM THE CAB WITHOUT REPLACING ANY MECHANICAL PART AND CONSIDERABLY REDUCING THE WORKING TIMES.



	MOD.	VMS TWIN F20	
A	MM (IN)	2200	(87)
B	MM (IN)	1755	(70)
C	MM (IN)	1000	(39)
D	MM (IN)	870	(34)
W/O COUPLER	KG (LB)	1280	(2822)
OPERATING	KG (LB)	2540	(5600)
MIN.	MM (IN)	25	(1)
MAX.	MM (IN)	65	(2,4)
L/MIN	L/MIN (GAL/MIN)	60	(16)
MAX.	L/MIN (GAL/MIN)	150	(39)
BAR	BAR (PSI)	350	(5076)
L	L (GAL)	420 X 2	(111 X 2)
14/8 PIN CONNECT*		STD 14 PIN	

\* THE CONNECTOR TYPE YOU REQUIRE MUST BE INDICATED AT THE TIME OF ORDERING, OTHERWISE THE 14-PIN HD36-18-14SE CONNECTOR WILL BE SUPPLIED AS STANDARD.



DOUBLE PERFORMANCE- EXCELLENT VISIBILITY



STANDARD TECHNICAL FEATURES

- 1 B400 DRUMS**  
THE DRUMS CAN AFFORD HIGH WORK PACES THANKS TO THEIR HIGHLY RESISTANT MATERIAL THAT EXTENDS THEIR USEFUL LIFE.
- 2 AUTOMATIC SCREENING SYSTEM**  
THE DOUBLE ROTATING BASKET SYSTEM WITH HYDRAULIC CONTROL FROM THE CABIN ALLOWS SELECTION OF THE THICKNESS OF THE SCREENED MATERIAL. THE SCREEN IS ADJUSTED BY MOVING THE INNER BASKET BY MEANS OF AN INTEGRATED HYDRAULIC CYLINDER. THE OPERATION IS EXTREMELY QUICK AND REQUIRES NO MECHANICAL INTERVENTION ON THE BUCKET.
- 3 2 HOSES KIT**  
IT ALLOWS THE FUNCTIONING OF THE ROTATION AND HYDRAULIC SHIFTING OF THE SCREENING DRUMS ALSO ON MACHINES PROVIDED WITH A DOUBLE EFFECT LINE. CONTROL KIT WITH MAGNETS TO EASILY PUT IT INSIDE THE CAB.
- 4 OPERATING LOAD**
- 5 DOUBLE PERFORMANCE- EXCELLENT VISIBILITY (PATENTED)**  
THE TWO SCREENING DRUMS REDUCE THE VERTICAL FOOTPRINT, GRANTING AN EXCELLENT VISIBILITY AND THEREFORE A GREATER PRODUCTIVITY.
- 6 14 PIN HD36-18-14SE (A) 8 PIN HD36-18-8SE (B) CONNECT**  
THE CONNECTOR TYPE YOU REQUIRE MUST BE INDICATED AT THE TIME OF ORDERING. OTHERWISE THE 14-PIN CONNECTOR WILL BE SUPPLIED AS STANDARD.

NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS

OPTIONAL

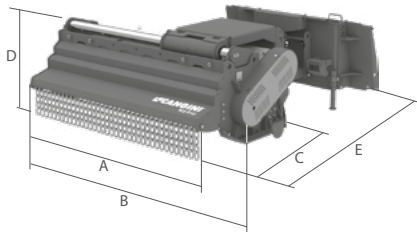
- 7 HITCH FOR ARTICULATED LOADERS, BACKHOE LOADERS AND TELEHANDLER HANDLERS.**  
IT'S POSSIBLE TO ADD THE HITCH FOR ARTICULATED LOADERS, BACKHOE LOADERS AND TELEHANDLER HANDLERS TO THE SKID LOADER HITCH PROVIDED WITH THE STANDARD EQUIPMENT.
- 8 ELECTRIC KIT**









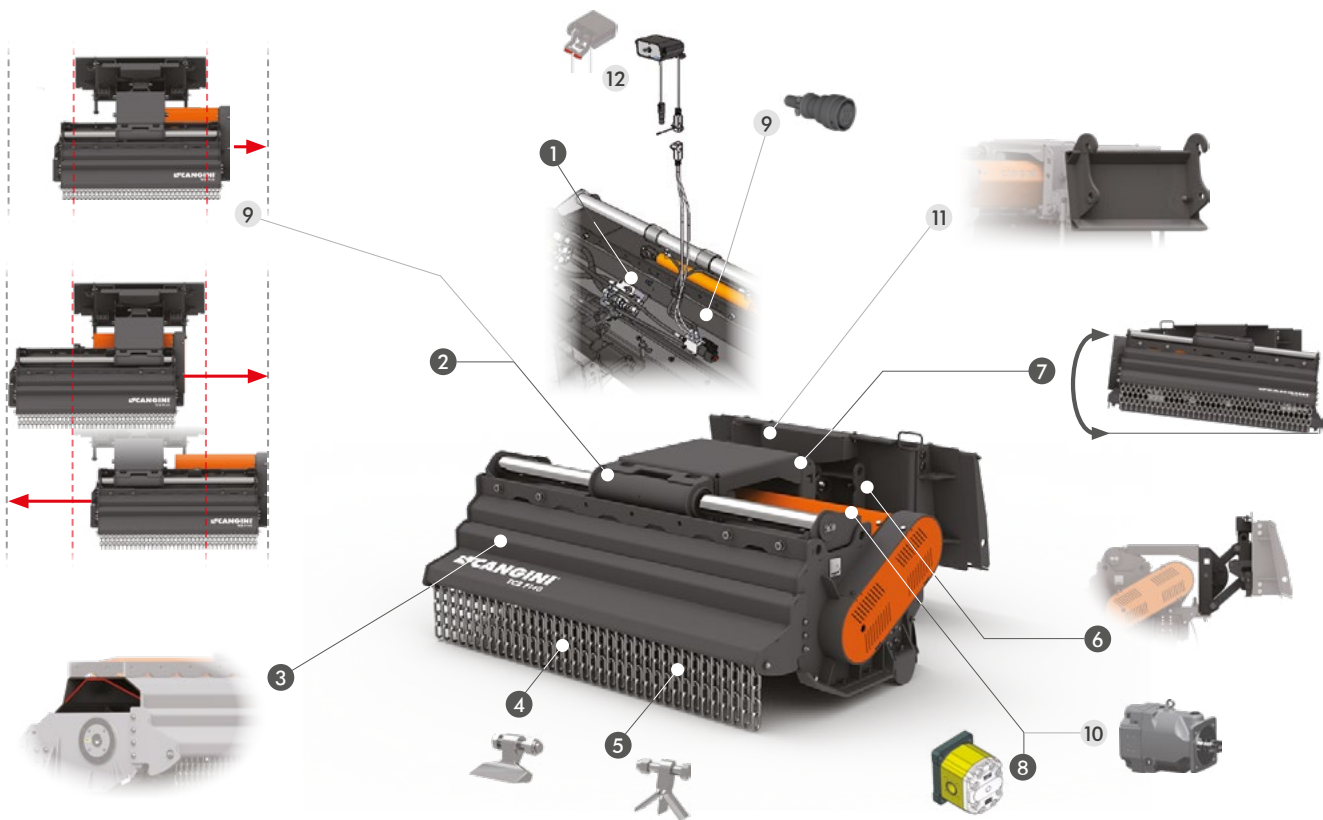


**NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)**

THE FRONT TC MULCHER IS MADE OF A DOUBLE BODY IN ORDER TO INCREASE THE TOOL'S RESISTANCE TO SHOCKS. IT'S EQUIPPED WITH MECHANICAL (HYDRAULIC UPON REQUEST) SIDE-SHIFTING AND VERTICAL FLOATING SYSTEMS. ADJUSTMENT TO THE HORIZONTAL PLANE OF  $\pm 10^\circ$ . ALSO EQUIPPED WITH BYPASS, PRESSURE RELIEF AND FLOW-DIVIDER VALVES, STANDARD Y BLADES WITH INTERMEDIATE KNIFE OR HAMMERS.



	MOD.	TC1F-120	TC2F-140	TC3F-160	TC3F-180	TC4F-200	TC4F-220
	<b>A</b> MM (IN)	1200 (47)	1400 (55)	1600 (63)	1800 (71)	2000 (79)	2200 (87)
	<b>B</b> MM (IN)	1400 (55)	1580 (62)	1780 (70)	1980 (78)	2200 (87)	2400 (94)
	<b>C</b> MM (IN)	640 (25)	810 (32)	830 (33)	830 (33)	855 (34)	855 (34)
	<b>D</b> MM (IN)	510 (20)	485 (19)	555 (22)	555 (22)	575 (23)	575 (23)
	<b>E</b> MM (IN)	800 (31)	1300 (51)	1320 (52)	1320 (52)	1380 (54)	1380 (54)
	W/O COUPLER	KG (LB)	175 (385,80)	550 (1212,53)	610 (1344,81)	650 (1432,99)	820 (1807,77)
			860 (1895,96)				
			DIRECT	BELTS	BELTS	BELTS	BELTS
	MIN.	L/MIN (GAL/MIN)	22 (6)	28 (7)	55 (14)	55 (14)	65 (17)
	MAX	L/MIN (GAL/MIN)	90 (24)	90 (24)	150 (40)	150 (40)	150 (40)
	MAX	BAR (PSI)	250 (3626)	250 (3626)	280 (4061)	200 (4061)	200 (4061)
	MAX WITH HAMMERS	MM (IN)	40 (1,6)	80 (3,1)	100 (3,9)	100 (3,9)	130 (5,1)
	2 MAX. MECHANICAL	MM (IN)	-	$\pm 350 (\pm 14)$	$\pm 525 (\pm 21)$	$\pm 525 (\pm 21)$	$\pm 700 (\pm 28)$
							$\pm 875 (\pm 34)$



## STANDARD TECHNICAL FEATURES

- 1 INTEGRATED VALVE UNIT**  
THROTTLE, PRESSURE RELIEF AND BYPASS VALVES.
- 2 MECHANICAL SIDE-SHIFTING (L-R)**  
IT SHIFTS THE MULCHER ON BOTH SIDES WITH RESPECT TO THE MACHINE TRACK.
- 3 REINFORCED BODY**  
DOUBLE REINFORCED BODY FOR A HIGHER RESISTANCE TO SHOCKS.
- 4 SHAFT WITH HAMMERS**  
SUITABLE FOR THE CUTTING OF SHRUBS OR SIMILAR PLANTS.
- 5 SHAFT WITH BLADES**  
SUITABLE FOR THE CUTTING OF GRASS OR SIMILAR VEGETATION.
- 6 FLOATING SYSTEM**  
IT ENABLES THE MULCHER TO FOLLOW THE SOIL.
- 7 SELF-LEVELLING OF THE HORIZONTAL PLANE OF  $\pm 10^\circ$ .**
- 8 GEAR MOTOR**  
MOTOR WITH REINFORCED SEAL. DIRECT DRAINAGE LINE LINKED TO THE TANK IS MANDATORY.

**NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS**

## OPTIONAL

- 9 LATERAL HYDRAULIC SIDE-SHIFTING THANKS TO 2 HOSES TRANSLATION KIT**  
IT ALLOWS TO HYDRAULICALLY CONTROL THE SIDE-SHIFTING OF THE MULCHER TO THE RIGHT, DIRECTLY FROM THE CAB. CONTROL KIT WITH MAGNETS TO EASILY PUT IT INSIDE THE CAB. **THE STANDARD 14/8 PIN PLUG IS SUPPLIED WITH THIS OPTIONAL\***
- 10 PISTON ENGINE**  
FIT FOR PARTICULARLY HARD AND CONTINUOUS WORKS. IT NEEDS THE DIRECT DRAINING PIPE TO THE TANK. RECOMMENDED ON MACHINES EQUIPPED WITH HIGH FLOW AUXILIARY HYDRAULIC SYSTEM. **THE APPLICATION ON THE OPERATING MACHINE WILL BE CHECKED BEFORE ORDER CONFIRMATION.**
- 11 ARTICULATED LOADERS HITCH**
- 12 ELECTRIC KIT**  
THE CONNECTOR TYPE YOU REQUIRE MUST BE INDICATED AT THE TIME OF ORDERING.

\*THE PLUG IS SUPPLIED DISASSEMBLED, IF NO INFORMATION ON THE PLUG WIRING IS PROVIDED, PLEASE CHECK THAT THE MAIN MACHINE IS EQUIPPED WITH A 14/8-PIN MULTIPOLE SOCKET. ON THE CONTRARY, TH ELECTRICAL KIT IS REQUIRED.



TX-F FORCE ONE  
FRONT FORESTRY MULCHER

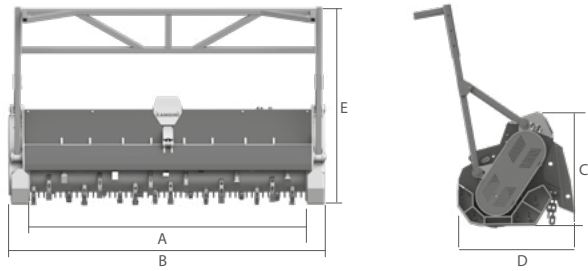


PATENTED  
PENDING

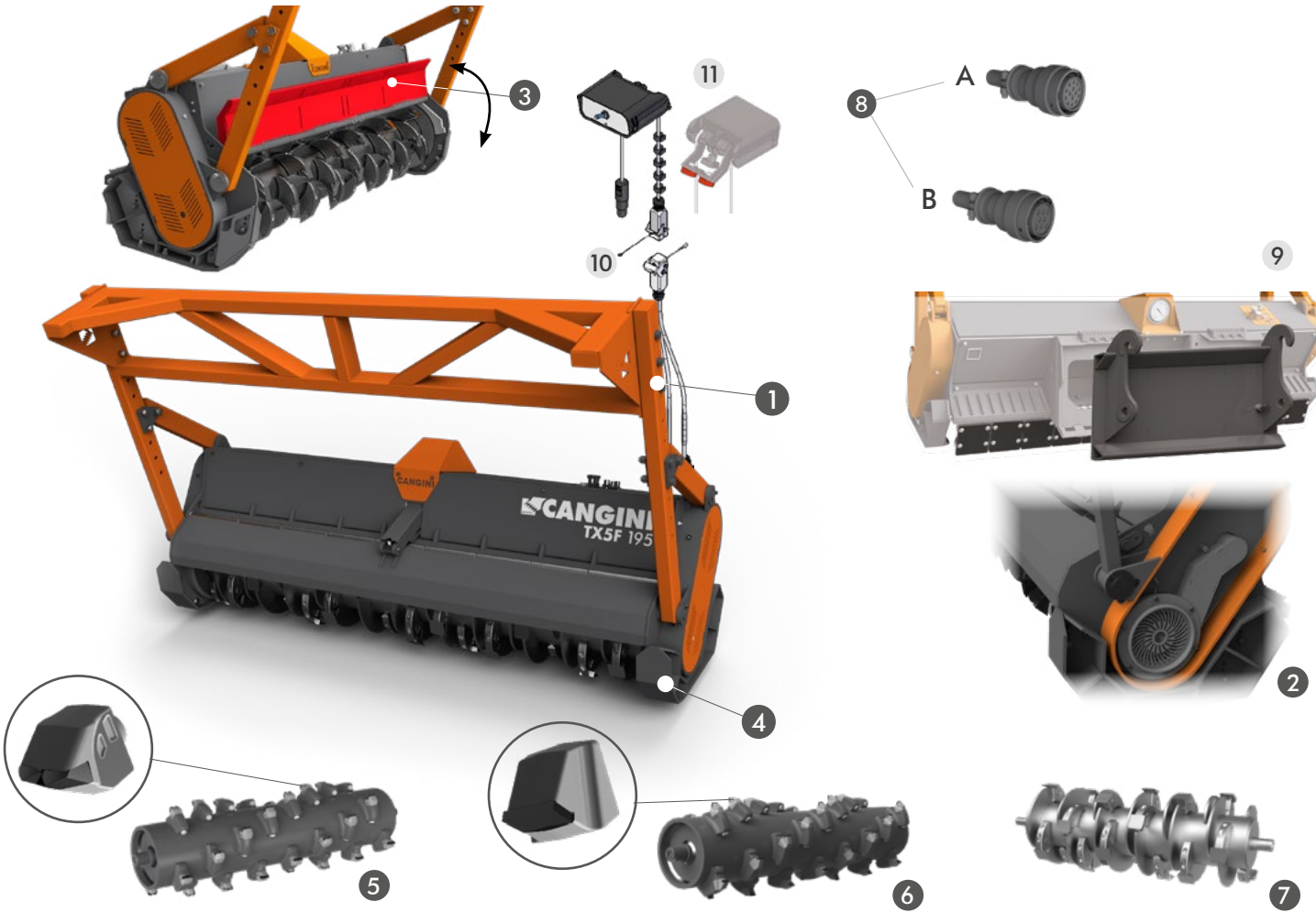


NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)

SAME ENDURANCE FOR THE FRONTAL VERSION THANKS TO THE REINFORCED SHELL, VALVE KIT INCLUDED IN STANDARD EQUIPMENT PROTECTS PISTON ENGINE FROM PRESSURE PEAKS. IT'S THE PERFECT TOOL TO CREATE FIREBREAK LINES, OPEN TRACKS, PATHS AND CUT DOWN TREES.



	MOD.	TXSF-170	TXSF-195
A	MM (IN)	1700 (66,9)	1950 (76,77)
B	MM (IN)	2010 (79,1)	2260 (88,9)
C	MM (IN)	750 (29,5)	750 (29,5)
D	MM (IN)	820 (32,2)	820 (32,2)
E	MM (IN)	1700 (66,93)	1950 (516)
5	KG (LB)	990 (2183)	1090 (2403)
6	KG (LB)	985 (2171)	1085 (2392)
7	KG (LB)	830 (1830)	880 (1940)
5 6 7	MM (IN)	220 (8,6)	220 (8,6)
	N.	3	3
MIN	L/MIN (GAL/MIN)	90 (24)	90 (24)
MAX	L/MIN (GAL/MIN)	300 (79)	300 (79)
MAX	BAR (PSI)	400 (5801)	400 (5801)
		STD 14 PIN	STD 14 PIN



STANDARD TECHNICAL FEATURES

- 1 FRONT PROTECTION FRAME

THE ADJUSTABLE PROTECTION FRAME ENSURES THAT THE PLANT FALLS AWAY FROM THE OPERATOR.
- 2 AUTOMATIC COOLING SYSTEM

IT IS EQUIPPED WITH A FORCED-AIR VENTILATION SYSTEM TO HELP REDUCE OVERHEATING OF THE MULCHER'S HYDRAULIC COMPONENTS.
- 3 HYDRAULIC HOOD OPENING

THE FRONT HOOD OPENING MAKES THE ROTOR PENETRATE THE VEGETATION.
- 4 INTERCHANGEABLE SKIDS

THE WEAR PARTS, IN DIRECT CONTACT WITH THE GROUND, ARE INTERCHANGEABLE, BOLTED TO THE BODY, FOR EASY MAINTENANCE.
- 5 FORESTRY ROTOR FOR GENERAL USE

THIS TYPE OF ROTOR IS VERSATILE AND SUITABLE FOR MULTIPLE USES, WITH A HIGH IMPACT RESISTANCE.
- 6 FORESTRY ROTOR CUTTING TOOL

IS SUITABLE FOR PARTICULARLY HEAVY-DUTY WORK DUE TO ITS AGGRESSIVE PROFILE BUT MORE SENSITIVE TO IMPACTS
- 7 WOOD CHIPS ROTOR

IT IS HIGHLY VERSATILE AND SUITABLE FOR MULTIPLE USES FROM CUTTING BRUSHWOOD TO TREE GRINDING.
- 8 14 PIN HD36-18-14SE (A) 8 PIN HD36-18-8SE (B) CONNECT

THE CONNECTOR TYPE YOU REQUIRE MUST BE INDICATED AT THE TIME OF ORDERING. OTHERWISE THE 14-PIN CONNECTOR WILL BE SUPPLIED AS STANDARD.

NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS

OPTIONAL

- 9 ARTICULATED LOADERS HITCH

IT'S POSSIBLE TO ADD THE HITCH FOR ARTICULATED LOADERS TO THE SKID LOADER HITCH PROVIDED WITH THE STANDARD EQUIPMENT
- 10 2 HOSES KIT

IT ALLOWS THE FUNCTIONING OF THE HYDRAULIC OPENING/CLOSING OF THE ANTERIOR FLAP ON SINGLE HYDRAULIC LINE MACHINES. CONTROL KIT WITH MAGNETS TO EASILY PUT IT INSIDE THE CAB.
- 11 ELECTRIC KIT





BTC-F SHARP-CUT FRONTAL  
BRANCH CUTTER BAR



SKID LOADER



MINI SKID



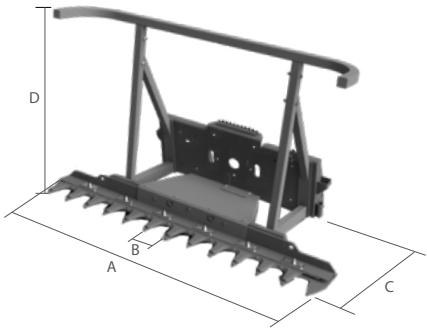
WHEEL LOADER



HB450



SUITABLE FOR THE TREE PRUNING UP TO 100 MM (3,9 IN). IT DOES NOT HARM THE PLANT, BECAUSE IT CUTS SHARPLY AND PRECISELY WITHOUT UPROOTING THE BRANCH. THE BAR'S BLADES IN HB450 GRANT RESISTANCE AND EXTENDED USEFUL LIFE.



MAX

MIN

MAX

MOD.

BTCF 50-150

BTCF 100-190

BTCF 100-220

A

MM (IN)

1500

(59)

1900

(75)

2200

(86,6)

B

MM (IN)

50

(2)

100

(3,9)

100

(3,9)

C

MM (IN)

670

(26,4)

810

(31,8)

810

(31,8)

D

MM (IN)

130

(5,1)

155

(6,6)

155

(6,6)

KG (LB)

245

(540)

330

(727)

355

(782)

BAR (PSI)

250

(3626)

250

(3626)

250

(3626)

L/MIN (GAL/ MIN)

40

(11)

50

(11)

50

(11)

L/MIN (GAL/ MIN)

90

(23,7)

90

(23,7)

90

(23,7)

1

2

3

STANDARD TECHNICAL FEATURES

1 HB450 BLADE

HB450 BLADES FOR A HIGHER RESISTANCE TO WEAR.

2 FRONT PROTECTION FRAME

THE ADJUSTABLE PROTECTION FRAME ENSURES THAT THE PLANT FALLS AWAY FROM THE OPERATOR.

NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS

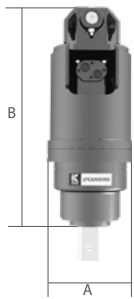
OPTIONAL





3 ARTICULATED LOADERS HITCH

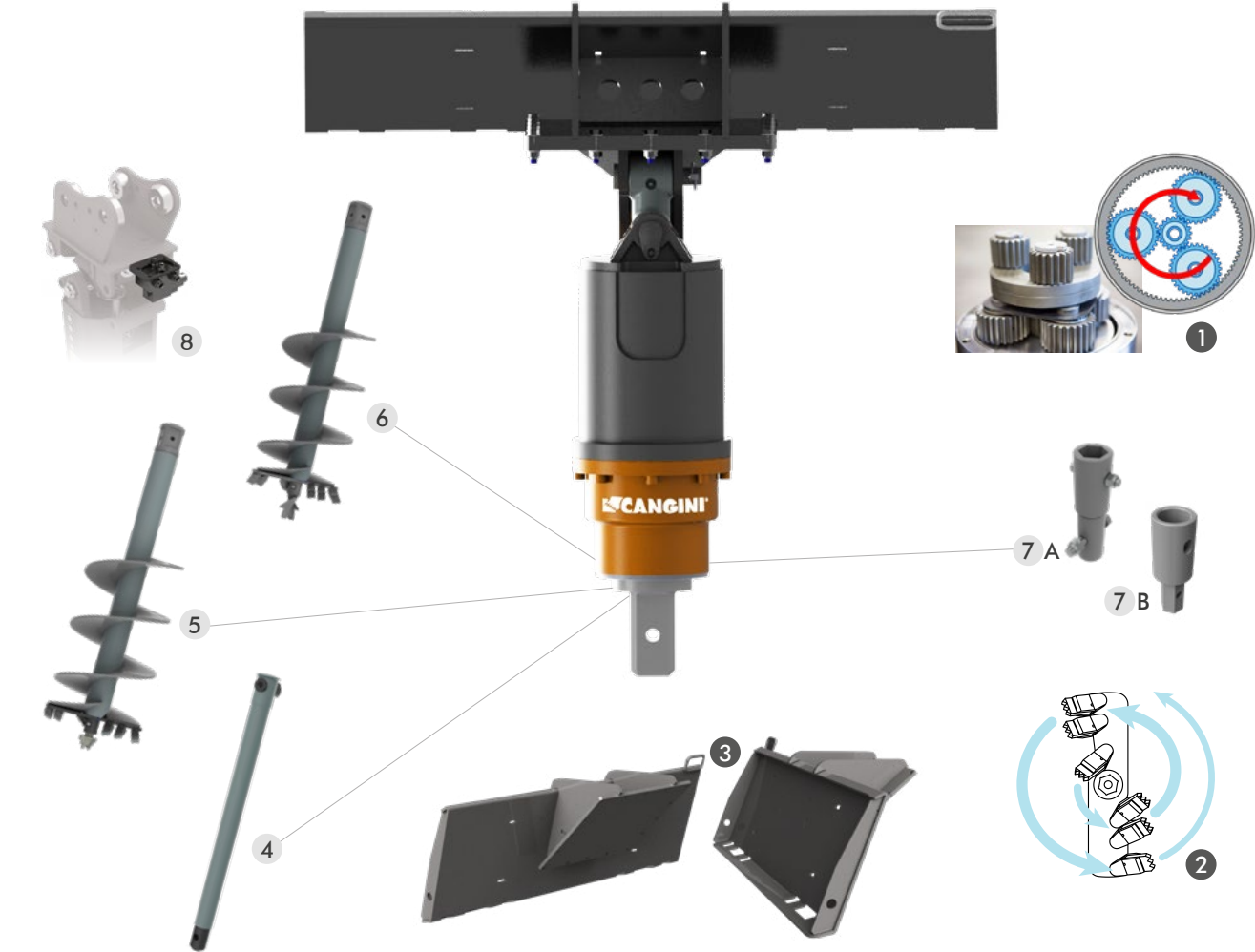




THE ATC MODEL AUGER IS BUILT IN HIGH QUALITY STEEL AND DESIGNED FOR EFFECTIVE, RAPID BORING THANKS TO AUGER LENGTH OPTIMISED IN RELATION TO ITS DIAMETER. THE CONSTANT SPIRAL CUTTING ENABLES THE TEETH TO BE PLACED AT ANGLES TO OPTIMISE DIGGING AND THUS DIRECT SPOIL TOWARDS THE MIDDLE OF THE AUGER, WHERE IT WILL BE THOROUGHLY CRUSHED TO AVOID ANY CLOGGING. WITH A VARIETY OF COMBINATIONS, AUGERS ARE VERSATILE AND CAN BE ADAPTED FOR SOFT, ROCKY, MIXED AND EVEN FROZEN GROUND. THE AUGER IS SUPPLIED COMPLETE WITH TWO-HOSE KIT.



	TONS (LB)		1,0 - 2,0 (2205 - 4409)	1,5 - 3,0 (3307- 6614)	2,5 - 4,5 (5512 - 9921)
	MOD.		ATC-F150	ATC-F250	ATC-F350
	A	MM (IN)	205 (8)	205 (8)	244 (10)
	B	MM (IN)	406 (16)	465 (18)	665 (26)
	BIT COUPLING	MM (IN)	Ø65 (2,5)	Ø65 (2,5)	Ø65 (2,5)
	WITHOUT COUPLING	KG (LB)	38 (80)	40 (86)	73 (161)
	BIT ROTATION	RPM	44-98	36-87	42-90
	MINIMUM - MAX	L/MIN (GAL/MIN)	20-45 (5,2 - 11,8)	27-65 (7,1 - 17,2)	40-85 (10,5 - 22,4)
	MAX	BAR (PSI)	205 (2973)	240 (3480,9)	240 (3480,9)
	MAX TORQUE	N/M (FT/LBS)	1500 (1106,3)	2800 (1843,9)	3600 (2655,2)
	AUGER BIT LENGTH	MM (IN)	1200 (47,2)	1200 (47,2)	1200 (47,2)
	AUGER BIT CLASS		S4	S4	S4



STANDARD TECHNICAL FEATURES

- 1 PLANETARY REDUCTION GEARBOX

USED FOR SPEED REDUCTION, IT GUARANTEES HIGH EFFICIENCY THANKS TO REDUCED ROTATION POWER EVEN ON MACHINES WITH LOW HYDRAULIC FLOW RATES.
- 2 TOOTH FIXING SYSTEM

THE PATENTED TOOTH FIXING SYSTEM ENSURES SAFE LOCKING OF THE TEETH AND PROTECTS THEM AGAINST POSSIBLE IMPACT FRACTURES. THE TEETH ARE ARRANGED FOR OPTIMISED DIGGING.
- 3 FRONT ATTACHMENT INTERFACE

NB : THE ATTACHMENT IS IS SUPPLIED COMPLETE WITH PIPES AND MACHINE ATTACHMENT

OPTIONAL

- 4 EXTENSION S4 1000MM
- 5 STANDARD BIT S4

SUITABLE FOR DRILLING GROUND OF AVERAGE CONSISTENCY, WITH OPTION OF REPLACING THE INSERTS AND BIT CENTRING DEVICE TO RESTORE THE INITIAL CONDITIONS.
- 6 ROCK BIT S4

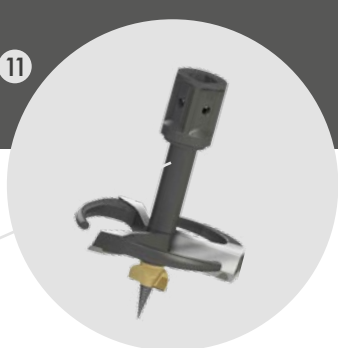
SUITABLE FOR DRILLING VERY HARD GROUND WITH ROCKS OR RUBBLE.
- 7 MT - ATC BIT ADAPTER (A) ATC - MT BIT ADAPTER (B)
- 8 PRESSURE REDUCER VALVE

AVAILABLE ON REQUEST





11



12



13



## OPTIONAL

### 11 STUMP PLANER S4

FOR EFFECTIVE, EASY AND CLEAN REMOVAL OF TREE STUMPS OF ANY SIZE IN A SHORT TIME.  
IDEAL FOR SOIL PREPARATION AND FOREST MAINTENANCE.

### 12 LOG SPLITTER S4

THE LOG SPLITTER ATTACHMENT IS COMPACT AND ROBUST FOR EASY PROCESSING AND RECYCLING OF LOGS.  
THE CONICAL SHAPE MAKES ITS WAY INTO THE LOG, SPLITTING IT IN TWO.

### 13 SWING LOCK KIT

THE KIT IS RECOMMENDED TO FACILITATE THE USE OF THE LOG SPLITTER. MAKES THE DRILL BODY RIGID BY AIDING CONE CENTRING AND IMPROVING PRESSURE ON THE LOG. CLAMPING IS DONE BY MEANS OF THE BIT CONNECTION PIN.

## BIT

		BIT COUPLING	150 Ø	200 Ø	250 Ø	300 Ø	350 Ø	400 Ø	500 Ø	600 Ø
7	STANDARD BIT S4	Ø65 (2,5)								
8	ROCK BIT S4	Ø65 (2,5)								

## ACCESSORIES

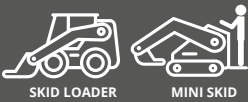
		BIT COUPLING	DIAMETER MM (IN)	ATC150	ATC250	ATC350
11	STUMP PLANER S4	Ø65 (2,5)	250 (9,8)			
11	STUMP PLANER S4	Ø65 (2,5)	350 (13,7)			
12	LOG SPLITTER S4	Ø65 (2,5)	185 (7,3)			
13	SWING LOCK KIT	Ø65 (2,5)				







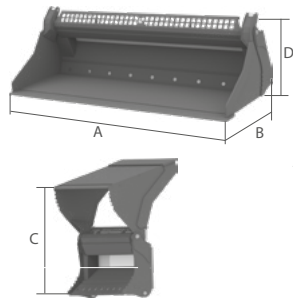
# M4 4 IN 1 FRONTAL BUCKET






HB400

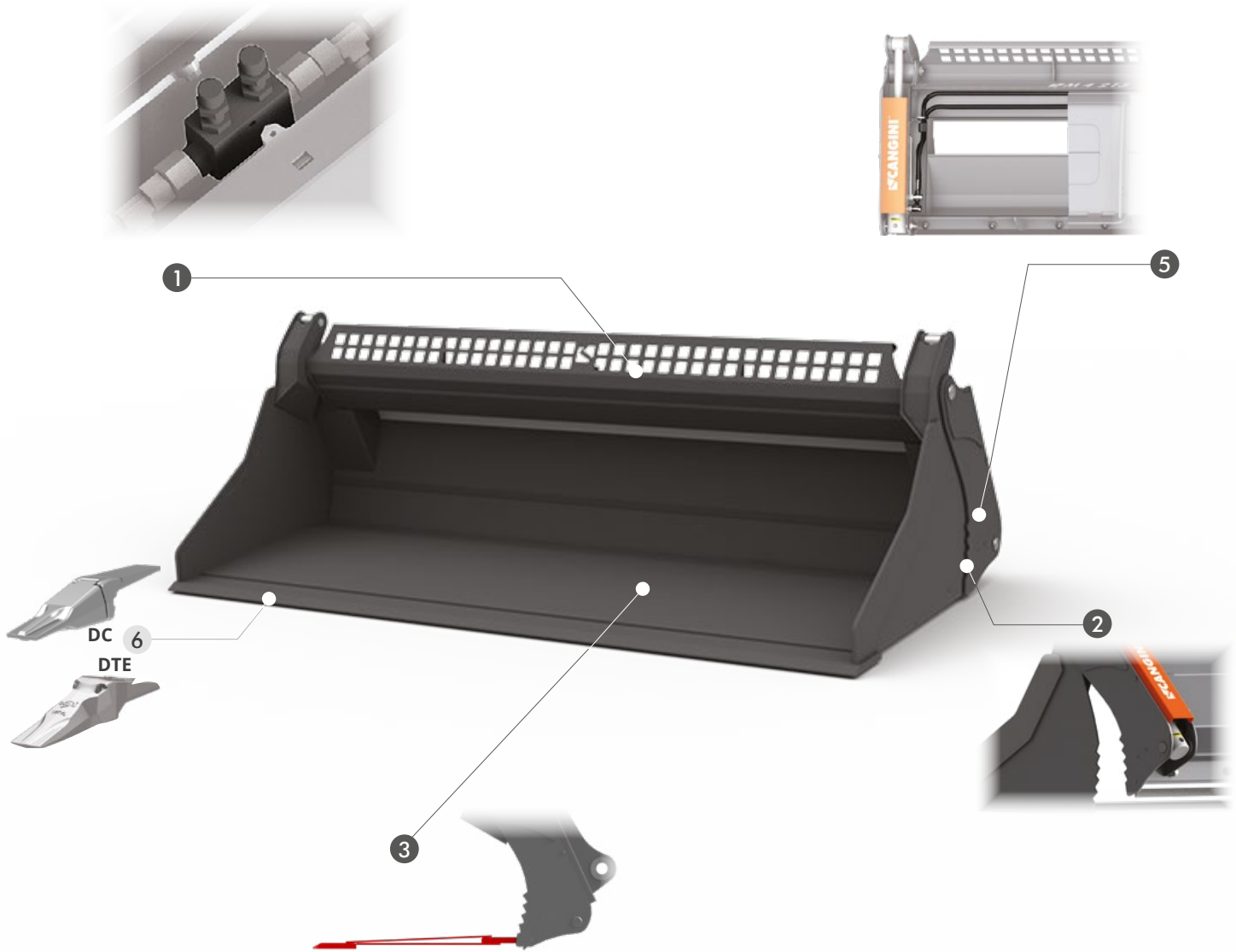


SUITABLE FOR LOADING, UNLOADING AND HANDLING OPERATIONS. THANKS TO ITS HYDRAULIC OPENING IT IS SUITABLE ALSO FOR VARIOUS MATERIAL GRABBING, WASTE DISCHARGE CONTROL AND GROUND LEVELLING.



		MOD.	M4-102	M4-110	M4-125	M4-140	M4-152	M4-170	M4-188	M4-200	M4-215
<b>A</b>	MM (IN)		1020 (40)	1100 (43)	1250 (49)	1400 (55)	1520 (60)	1700 (67)	1880 (74)	2000 (79)	2150 (85)
<b>B</b>	MM (IN)		850 (33)	850 (33)	850 (33)	850 (33)	850 (33)	950 (37)	950 (37)	950 (37)	950 (37)
<b>C</b>	MM (IN)		500 (20)	500 (20)	500 (20)	500 (20)	500 (20)	550 (22)	550 (22)	550 (22)	550 (22)
<b>D</b>	MM (IN)		650 (26)	650 (26)	650 (26)	650 (26)	650 (26)	700 (28)	700 (28)	700 (28)	700 (28)
	W/O COUPLER	KG (LB)	240 (529)	250 (551)	265 (584)	285 (628)	300 (661)	370 (816)	390 (860)	410 (904)	440 (970)
	SAE CAP.	L (GAL)	265 (70)	290 (76,6)	330 (87,2)	375 (99,1)	410 (108,3)	490 (129,4)	550 (145,3)	580 (153,2)	630 (166,4)

		M4-102	M4-110	M4-125	M4-140	M4-152	M4-170	M4-188	M4-200	M4-215
	N.	5	5	6	6	6	7	7	8	8
<b>5</b> 	DC TEETH	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)	DC 1 (KG 1,4)
<b>5</b> 	DTE TEETH	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)	DTE 13 (KG 1,7)



## STANDARD TECHNICAL FEATURES

- 1 SAFETY CHECK-VALVE**  
IT ALLOWS TO KEEP THE TOOL SAFE EVEN IN CASE OF DAMAGE OF THE PIPES OR PRESSURE LOSS IN THE SYSTEM.
- 2 SIDE TOOTHING**  
ITS PROFILE ENABLES TO KEEP THE GRABBED MATERIAL.
- 3 HB400 REINFORCEMENT STRIPES AND CUTTING EDGE**  
THEY GRANT HIGH RESISTANCE AGAINST DEFORMATION OF THE MORE STRESSED PARTS.
- 4 HYDRAULIC SYSTEM INTEGRATED INTO THE BODY**  
IT'S INTEGRATED INTO THE BODY THUS PROTECTING PIPES FROM DAMAGES DURING THE WORKING PHASE.

**NB : THE ATTACHMENT IS SUPPLIED COMPLETE WITH PIPES.**

## OPTIONAL

- 5 DC TEETH DTE TEETH**





SKID FRONT BUCKET



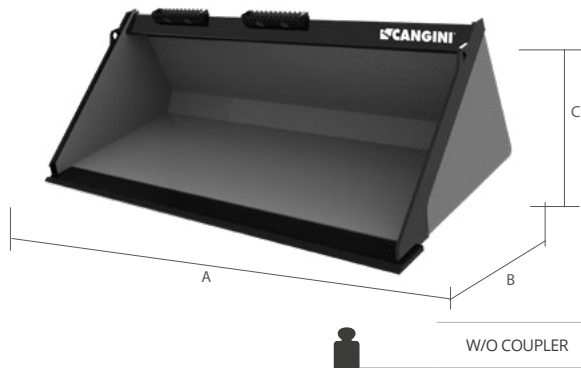
SKID LOADER



MINI SKID



THE FRONT SKID STEER BUCKET PROVIDES GREAT LOADING CAPACITY THANKS TO ITS PROFILE DESIGNED FOR A BETTER GROUND CONTACT SURFACE. ITS SHAPE ALLOWS THIN AND GRANULAR MATERIALS TO BE KEPT INSIDE, AVOIDING MATERIAL LOSS DURING TRANSPORT. IT IS THE IDEAL BUCKET FOR LOADING AND UNLOADING DIFFERENT MATERIALS. THE ROBUST STRUCTURE OF THE LEVELMAX MODEL GUARANTEES A LONG SERVICE LIFE OF THE EQUIPMENT.

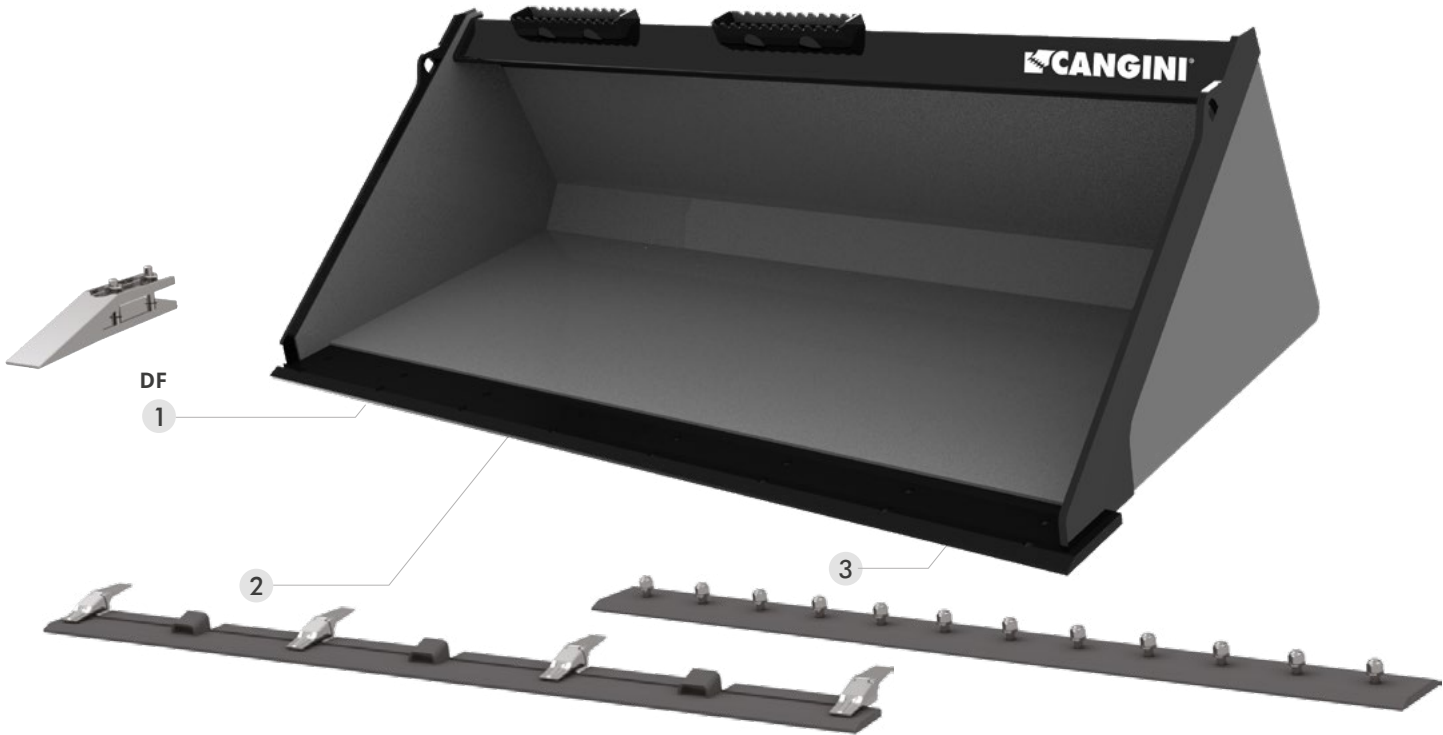


W/O COUPLER

SAE CAP.

	MOD.	LEVELMAX160	LEVELMAX175	LEVELMAX180	LEVELMAX190	LEVELMAX210
A	MM	1600	1750	1800	1900	2100
	(IN)	(63)	(69)	(71)	(75)	(83)
B	MM	860	860	860	900	900
	(IN)	(34)	(34)	(34)	(35)	(35)
C	MM	520	520	520	540	540
	(IN)	(20)	(20)	(20)	(21)	(21)
	KG	181	195	200	220	245
	(LB)	(399)	(430)	(441)	(485)	(540)
	L	480	530	550	620	690
	(GAL)	(127)	(140)	(145)	(164)	(182)

		LEVELMAX160	LEVELMAX175	LEVELMAX180	LEVELMAX190	LEVELMAX210
	N.	6	7	7	8	8
	1 DF TEETH	DF	DF	DF	DF	DF



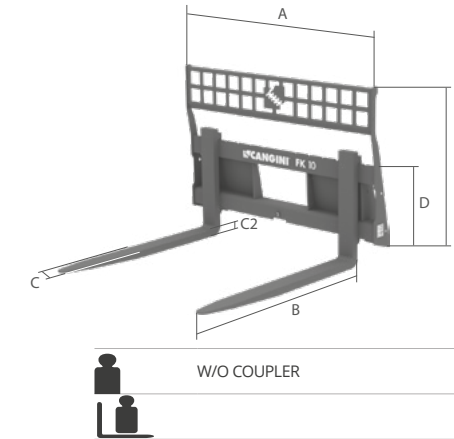
OPTIONAL

- 2 DF TEETH
- 3 GRADING EDGE
- 4 BOLT-ON REVERSIBLE CUTTING-EDGE

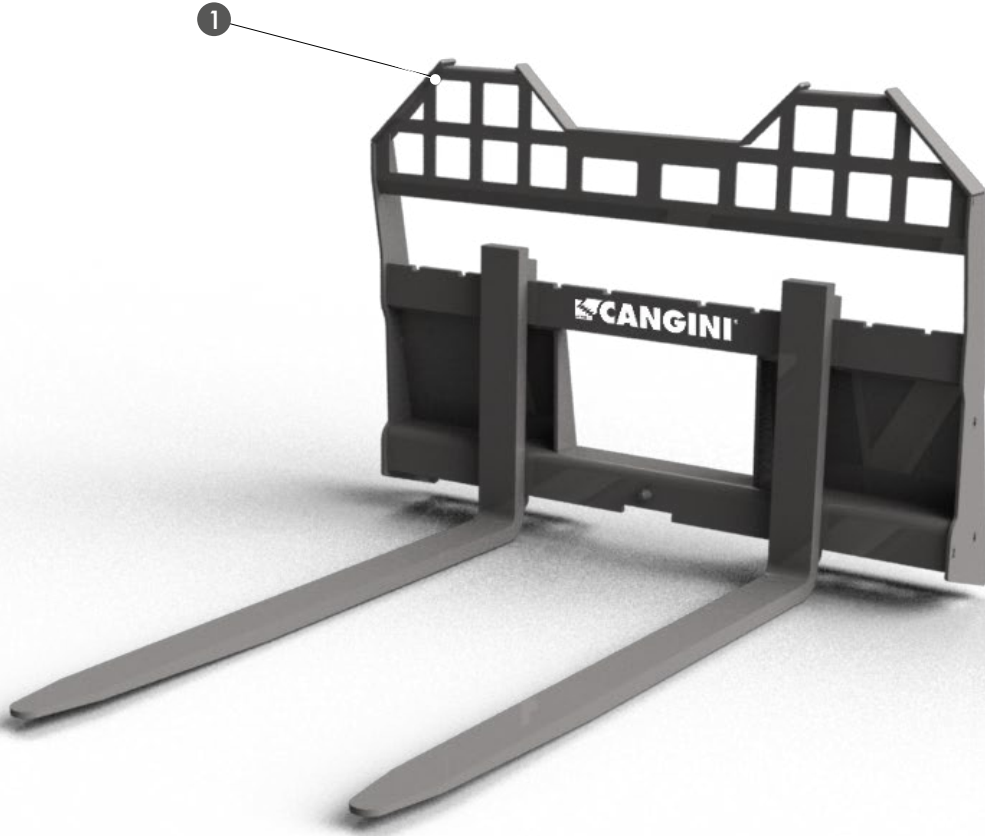




FRONT PALLET FORK FOR SKID, WHEEL, TELEHANDLER AND BACKHOE LOADERS. EQUIPPED WITH A SAFETY SYSTEM TO AVOID THE TILTING OF LOADS DURING ITS USE.



	MOD.	FK8	FK10S	FK10	FK15	FK18	FK25
A	MM (IN)	960 (45)	1150 (45)	1150 (45)	1150 (45)	1350 (53)	1350 (53)
B	MM (IN)	1000 (39)	1000 (39)	1200 (47)	1200 (47)	1200 (47)	1200 (47)
C	MM (IN)	80 (3,1)	80 (3,1)	80 (3,1)	100 (3,9)	100 (3,9)	100 (3,9)
C2	MM (IN)	30 (1,2)	30 (1,2)	30 (1,2)	35 (1,4)	35 (1,4)	40 (1,6)
D	MM (IN)	406 (16)	406 (16)	406 (16)	406 (16)	406 (16)	406 (16)
E	MM (IN)	794 (31,2)	820 (32)	820 (32)	820 (32)	820 (32)	820 (32)
W/O COUPLER	KG (LB)	170 (374,7)	170 (265)	182 (276)	210 (364)	230 (397)	240 (430)
	KG (LB)	1000 (2205)	1000 (2205)	1000 (2205)	1500 (3307)	1800 (3968)	2500 (5512)



STANDARD TECHNICAL FEATURES

- 1 PROTECTION FRAME
- IT PROTECTS THE OPERATOR, AVOIDING THE FALLING OF THE HANDLED MATERIAL INSIDE THE SKID LOADER'S CAB. THE SHAPE OF THE FRAME IS OPTIMISED FOR NEW-GENERATION SKID LOADERS.

OPTIONAL

- 2 COUPLING SYSTEM FOR WHEEL LOADERS, BACKHOE LOADERS AND TELEHANDLERS





MIX-SF FRONTAL MIXING BUCKET  
SAFE DISCHARGE



PATENTED

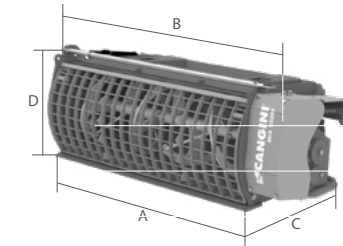


HB400



NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)

GEARBOX TRANSMISSION DELIVERS HIGH PERFORMANCE AND DOES NOT REQUIRE CONTINUOUS MAINTENANCE INTERVENTIONS. THE USE OF DUAL CROSS RELIEF AND FLOW DIVIDER VALVES GRANTS EFFECTIVENESS AND RELIABILITY EVEN IN THE MOST DIFFICULT WORK CONDITIONS. THE SKID LOADER HITCH IS SUPPLIED AS STANDARD (EXCEPT FOR MODELS MIX 800SF-1000SF-1200SF).



	DISCHARGE PIPE	MM (IN)	210 (8)	210 (8)	210 (8)	210 (8)	210 (8)	210 (8)	210 (8)	210 (8)	210 (8)
	MAX	L/MIN (GAL/MIN)	70 (19)	70 (19)	70 (19)	70 (19)	70 (19)	70 (19)	70 (19)	70 (19)	100 (26)
	MAX	BAR (PSI)	200 (2901)	200 (2901)	200 (2901)	200 (2901)	200 (2901)	200 (2901)	200 (2901)	200 (2901)	200 (2901)
	CONNECT		STD 14 PIN	STD 14 PIN	STD 14 PIN	STD 14 PIN	STD 14 PIN	STD 14 PIN	STD ELECTRIC KIT	STD ELECTRIC KIT	STD ELECTRIC KIT
	COUPLER		AT. SKID	AT. SKID	AT. SKID	AT. SKID	AT. SKID	AT. SKID	W/O COUPLER	W/O COUPLER	W/O COUPLER



STANDARD TECHNICAL FEATURES

- SAFE LOCKING/DISCHARGE (PATENTED)**  
THE OPERATOR LOCKS THE DISCHARGE PIPE FROM THE BUCKET'S SIDE IN THE SAFEST WORK CONDITION.
- CONTROL ROD FOR THE DISCHARGE PIPE**  
IT ENABLES THE PIPE'S DISPLACEMENT FOR THE SIDE POURING.
- AUGER REMOVAL**  
THE BUCKET'S BODY HAS BEEN DESIGNED IN A SUCH WAY THAT THE ENTIRE AUGER CAN BE REMOVED THUS MAKING THE MAINTENANCE OPERATION EASIER.
- GEARMOTOR**  
IT GUARANTEES HIGH PERFORMANCES TO THE ENTIRE SYSTEM.
- ELECTRIC KIT (FROM MIX 800SF TO MIX 1200SF)**  
ENABLES SELECTION OF MIXING OR UNLOADING HATCH FROM THE CAB.
- 14 PIN HD36-18-14SE CONNECT OR 8 PIN HD36-18-8SE (FROM MIX 150SF TO MIX 600SF)**  
THE 14-PIN PLUG IS SUPPLIED DISASSEMBLED, IF NO INFORMATION ON THE PLUG WIRING IS PROVIDED, PLEASE CHECK THAT THE MAIN MACHINE IS EQUIPPED WITH A 14-PIN MULTIPOLE SOCKET (STANDARD CANGINI CONFIGURATION). ON THE CONTRARY, THE OPTIONAL N.10 ELECTRICAL KIT IS REQUIRED.

NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS

OPTIONAL

- ARTICULATED LOADERS, BACKHOE LOADERS AND TELEHANDLER HANDLERS HITCH**  
IT'S POSSIBLE TO ADD THE HITCH FOR ARTICULATED LOADERS, BACKHOE LOADERS AND TELEHANDLER TO THE SKID LOADER HITCH (STANDARD EXCEPT FOR MODELS MIX 800SF-1000SF-1200SF).
- SHOVEL ATTACHMENT**  
FOR 800SF-1000SF-1200SF MODELS ONLY
- FLOWRATE REDUCERS**  
COMPULSORY FOR MACHINES WITH OILFLOW EXCEEDING THE REQUIRED ONE
- ELECTRIC KIT (FROM MIX 150SF TO MIX 600SF)**





LN STANDARD SNOW BLADE



SKID LOADER

MINI SKID

WHEEL LOADER

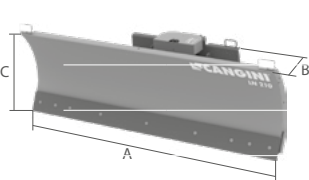
BACKHOE LOADER


TELEHANDLER

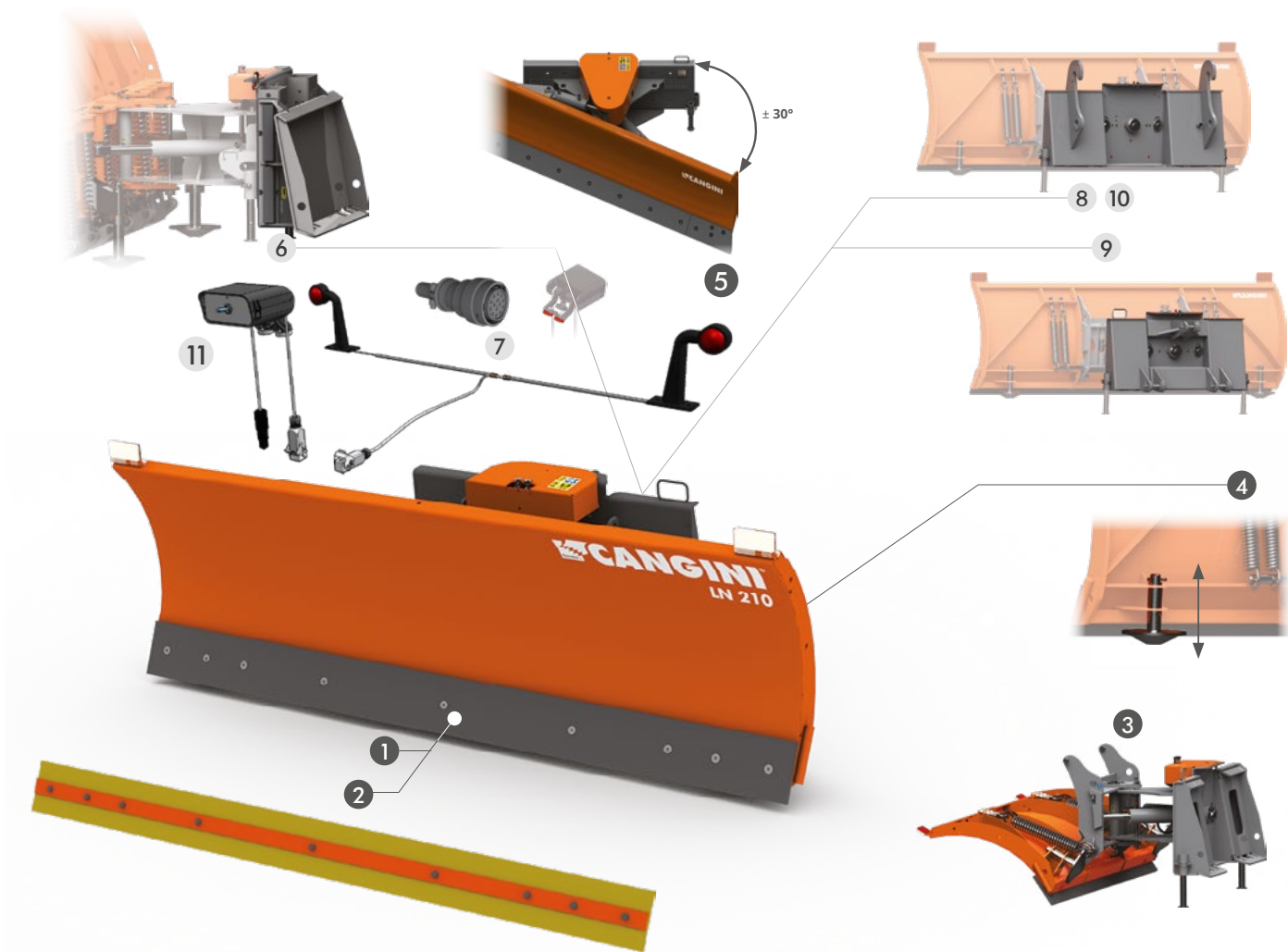
TRACTOR



EQUIPPED WITH ANTI-SHOCK VALVES. HYDRAULIC ANGLE ADJUSTMENT OF ± 30°, SELF-LEVELLING TO THE ROAD OF ± 10° AND ADJUSTABLE SHOES. ENTIRE MOLDBOARD OVERTURNING IN CASE OF COLLISION AND SPRING RETURN.



	MOD.	LN 130	LN 160	LN 185	LN 210	LN 250	LN 250HD	LN 270HD	LN 290HD	LN 310HD	
	A	MM (IN)	1305 (51)	1605 (63)	1855 (73)	2105 (83)	2505 (99)	2505 (99)	2705 (106)	2905 (114)	3105 (122)
	B	MM (IN)	810 (32)	810 (32)	810 (32)	810 (32)	810 (32)	740 (29)	740 (29)	740 (29)	740 (29)
	C	MM (IN)	700 (28)	700 (28)	700 (28)	700 (28)	700 (28)	900 (35)	900 (35)	900 (35)	900 (35)
WIDTH AT 15°		MM (IN)	1125 (44)	1385 (55)	1605 (63)	1820 (72)	2165 (85)	2165 (85)	2350 (93)	2510 (99)	2690 (106)
	W/O COUPLER	KG (LB)	285 (628)	300 (661)	315 (694)	330 (728)	355 (783)	665 (1466)	685 (1510)	700 (1543)	720 (1587)
	MAX.	BAR (PSI)	280 (4062)	280 (4062)	280 (4062)	280 (4062)	280 (4062)	280 (4062)	280 (4062)	280 (4062)	280 (4062)



STANDARD TECHNICAL FEATURES

- 1 **INTERCHANGEABLE REVERSIBLE BLADE.**  
BOLTED-IN REVERSIBLE HB400 BLADE.
- 2 **POLYURETHANE BLADE**  
SUITABLE FOR SURFACES THAT OTHERWISE MIGHT BE DAMAGED.
- 3 **MOLDBOARD OVERTURNING AND SPRING RETURN**  
IN CASE OF A SHOCK THE ENTIRE MOLDBOARD OVERTURNS THUS ALLOWING TO OVERCOME THE OBSTACLE.
- 4 **ADJUSTABLE SHOES**  
THE HEIGHT BETWEEN THE BLADE AND THE GROUND SURFACE CAN BE ADJUSTED.
- 5 **ANGLE SIDE HYDRAULIC TILTING ADJUSTMENT OF ± 30°**  
HYDRAULIC ADJUSTMENT UP TO MAX. ± 30° OF THE BLADE HORIZONTAL TILTING ANGLE ON BOTH SIDES.

NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS

OPTIONAL

- 6 **COMPACT FLOATING SYSTEM**  
IT ENABLES THE BLADE TO FOLLOW THE FEATHER-EDGE WITHOUT MANUAL ADJUSTMENT OF ITS POSITION.
- 7 **OVERALL BLADE WIDTH LIGHT KIT**  
THE SIDE DIMENSIONS OF THE BLADE ARE VISUALLY PERCEIVED. THE SYSTEM IS SUPPLIED WITH MULTI-PIN SOCKET.\*
- 8 **COUPLING SYSTEM FOR WHEEL LOADERS, BACKHOE LOADERS AND TELEHANDLERS**
- 9 **3-POINT LINKAGE**
- 10 **ARTICULATED LOADERS HITCH**  
IT'S POSSIBLE TO ADD THE HITCH FOR ARTICULATED LOADERS TO THE SKID LOADER HITCH PROVIDED WITH THE STANDARD EQUIPMENT
- 11 **ELECTRIC KIT**  
EQUIPPED WITH A CIGARETTE LIGHTER SOCKET (12 VOLTS)

\*THE PLUG IS SUPPLIED DISASSEMBLED IF NO WIRING INFORMATION IS PROVIDED. CHECK THAT THE BASIC MACHINE IS EQUIPPED WITH A 14/8-PIN MULTI-PIN SOCKET. IF NOT, THE ELECTRICAL KIT (OPTIONAL 11) MUST BE REQUESTED.



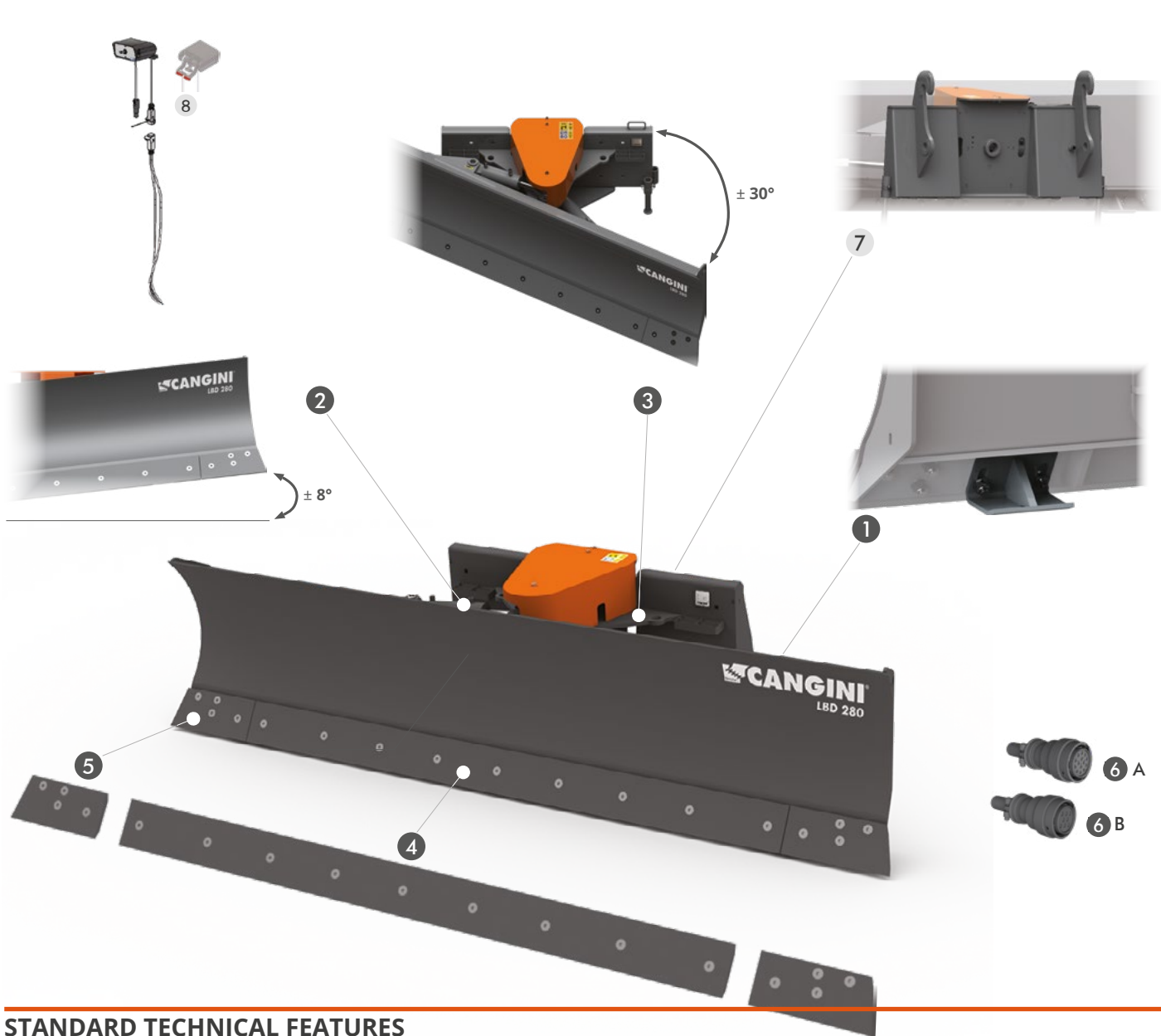


NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)

THE DOZER BLADE IS PARTICULARLY SUITABLE FOR DIGGING, GROUND LEVELLING AND LAYING OF LANDFILL MATERIALS. ITS STRUCTURE IS EXTREMELY STRONG AND CONCEIVED TO RESIST HIGH STRESSES. IT IS EQUIPPED WITH A HORIZONTAL PLANE TILTING SYSTEM CALLED TILT AND WITH A SIDE TILTING SYSTEM CALLED ANGLE. TWO SKID SHOES ON THE MOLDBOARD ALLOW THE ADJUSTMENT OF THE BLADE SINKING INTO THE GROUND.

	MOD.		LBD230		LBD250		LBD280	
	A	MM (IN)	2300	(91)	2500	(98)	2800	(110)
	B	MM (IN)	640	(25)	640	(25)	640	(25)
	C	MM (IN)	800	(31)	800	(31)	800	(31)
	WIDTH AT 30°	MM (IN)	2000	(79)	2170	(85)	2420	(95)
	W/O COUPLER	KG (LB)	420	(926)	460	(1014)	500	(1102)
	MAX.	BAR (PSI)	200	(2901)	200	(2901)	200	(2901)
	14/8 PIN CONNECT*		STD 14 PIN		STD 14 PIN		STD 14 PIN	

\* THE CONNECTOR TYPE YOU REQUIRE MUST BE INDICATED AT THE TIME OF ORDERING, OTHERWISE THE 14-PIN CONNECTOR WILL BE SUPPLIED AS STANDARD.



## STANDARD TECHNICAL FEATURES

- 1 ADJUSTABLE SHOES**  
THEY ALLOW TO ADJUST THE BLADE PENETRATION INTO THE SOIL.
- 2 TILT HORIZONTAL HYDRAULIC TILTING ADJUSTMENT OF  $\pm 8^\circ$**   
HYDRAULIC ADJUSTMENT UP TO MAX.  $\pm 8^\circ$  OF THE BLADE VERTICAL TILTING ANGLE ON BOTH SIDES.
- 3 ANGLE SIDE HYDRAULIC TILTING ADJUSTMENT OF  $\pm 30^\circ$**   
HYDRAULIC ADJUSTMENT UP TO MAX.  $\pm 30^\circ$  OF THE BLADE HORIZONTAL TILTING ANGLE ON BOTH SIDES.
- 4 REVERSIBLE AND INTERCHANGEABLE CENTRAL BLADE IN HB400**
- 5 INTERCHANGEABLE ANGLE BLADES IN HB400**
- 6 14 PIN HD36-18-14SE (A) OR 8 PIN HD36-18-8SE (B) CONNECT**  
SUPPLIED SEPARATELY IF CLEAR INFORMATION ABOUT PLUG WIRING IS NOT PROVIDED

NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS

## OPTIONAL

- 7 COUPLING SYSTEM FOR WHEEL LOADERS, BACKHOE LOADERS AND TELEHANDLERS**
- 8 ELECTRIC KIT**

\*THE PLUG IS SUPPLIED DISASSEMBLED, IF NO INFORMATION ON THE PLUG WIRING IS PROVIDED, PLEASE CHECK THAT THE MAIN MACHINE IS EQUIPPED WITH A 14/8-PIN MULTIPOLE SOCKET. ON THE CONTRARY, TH ELECTRICAL KIT IS REQUIRED.



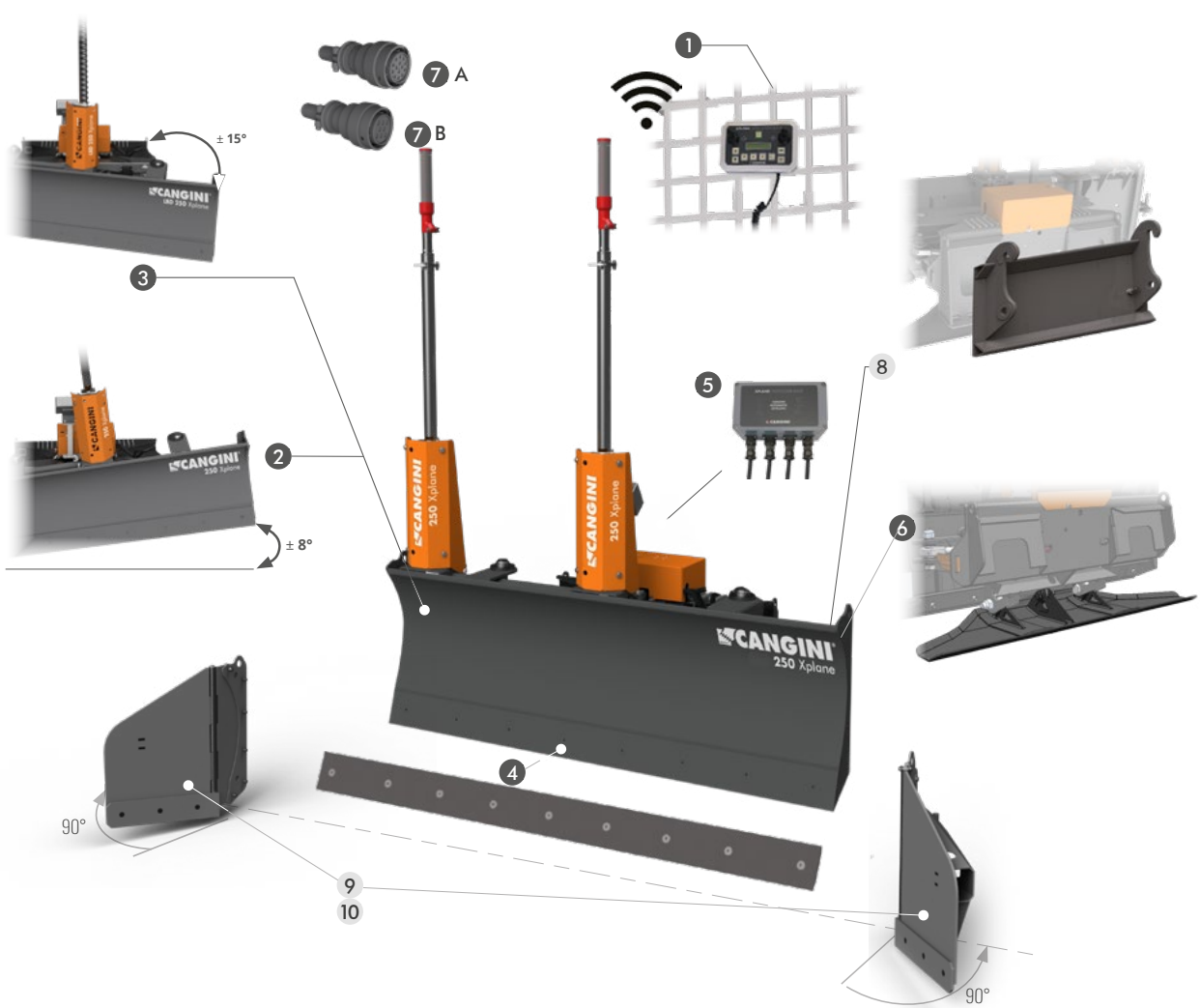


THE LASER DOZER SYSTEM UTILISES THE SAME STRENGTH AND VERSATILITY OF THE STANDARD DOZER. IN ADDITION, IT OFFERS THE POSSIBILITY OF CREATING A CONTROLLED PLANE THANKS TO A DUAL-SLOPE LASER TRANSMITTER (NOT INCLUDED WITH THE BLADE). THE SIGNAL IS RECEIVED AND PROCESSED BY THE ELECTRONICS ON BOARD THE BLADE, WHICH ACTS DIRECTLY ON THE ELECTRO-PROPORTIONAL DISTRIBUTOR, DRIVING THE BLADE DIRECTLY. THE OPERATOR TERMINAL, INSIDE THE CAB, COMMUNICATES WITH THE CONTROL BOX VIA A WIRELESS NETWORK. THIS ALLOWS THE CAB TO BE CLOSED WITHOUT THE HINDRANCE OF WIRES.



	MOD.	DOZER230 XPLANE LASER	DOZER250 XPLANE LASER	DOZER280 XPLANE LASER
<b>A</b>	MM (IN)	2300 (90,5)	2500 (98,4)	2800 (110,2)
	MM (IN)	720 (28,3)	720 (28,3)	720 (28,3)
	MM (IN)	870 (34,2)	870 (34,2)	870 (34,2)
WIDTH AT 15°	MM (IN)	2200 (86,6)	2400 (94,4)	2700 (106,3)
W/O COUPLER	KG (LB)	695 (1532,2)	717 (1580,7)	736 (1622,6)
MAX.	BAR (PSI)	220 (3190,8)	220 (3190,8)	220 (3190,8)
14/8 PIN CONNECT*		STD 14 PIN	STD 14 PIN	STD 14 PIN

\* THE CONNECTOR TYPE YOU REQUIRE MUST BE INDICATED AT THE TIME OF ORDERING, OTHERWISE THE 14-PIN CONNECTOR WILL BE SUPPLIED AS STANDARD.



STANDARD TECHNICAL FEATURES

- 1 WIRELESS OPERATOR'S TERMINAL**  
ALLOWS PILOTING OF ALL BLADE FUNCTIONS FROM THE CAB OF THE MACHINE WITH NO WIRES TO INTERFERE WHEN DOORS ARE SHUT.
- 2 TILT HORIZONTAL HYDRAULIC TILTING ADJUSTMENT OF ± 8°**  
HYDRAULIC ADJUSTMENT UP TO MAX. ± 8° OF THE BLADE VERTICAL TILTING ANGLE ON BOTH SIDES.
- 3 ANGLE SIDE HYDRAULIC TILTING ADJUSTMENT OF ± 15°**  
HYDRAULIC ADJUSTMENT UP TO MAX. ± 15° OF THE BLADE HORIZONTAL TILTING ANGLE ON BOTH SIDES.
- 4 REVERSIBLE AND INTERCHANGEABLE CENTRAL CUTTING EDGE IN HB400**
- 5 CONTROL BOX**  
IT ALLOWS THE CONSTANT VIEW THE BLADE POSITIONING WITH RESPECT TO THE LASER SIGNAL AND INDICATES THE ADJUSTMENTS MANUALLY OR AUTOMATICALLY OPERATED.
- 6 STABILIZING SKID**  
CAN BE REGULATED DIRECTLY FROM THE CAB AND INCREASES PRODUCTIVITY WITH THE SAME QUALITY AND FINISHING. FOR CORRECT OPERATION, THE THIRD HOSE MUST BE CONNECTED TO A DUMP LINE.
- 7 14 PIN HD36-18-14SE (A) OR 8 PIN HD36-18-8SE (B) CONNECT**  
SUPPLIED SEPARATELY IF CLEAR INFORMATION ABOUT PLUG WIRING IS NOT PROVIDED

**NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS**

OPTIONAL

- 8 ARTICULATED LOADERS HITCH**
- 9 MECHANICAL ADDITIONAL SIDES**
- 10 HYDRAULIC ADDITIONAL SIDES**

\*THE PLUG IS SUPPLIED DISASSEMBLED, IF NO INFORMATION ON THE PLUG WIRING IS PROVIDED, PLEASE CHECK THAT THE MAIN MACHINE IS EQUIPPED WITH A 14/8-PIN MULTIPOLE SOCKET.





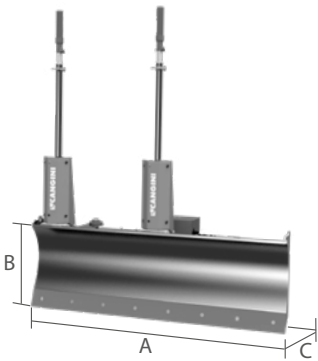
# XPLANE LASER DOZER BLADE - IOT SYSTEM



IOT - INTERNET OF THINGS

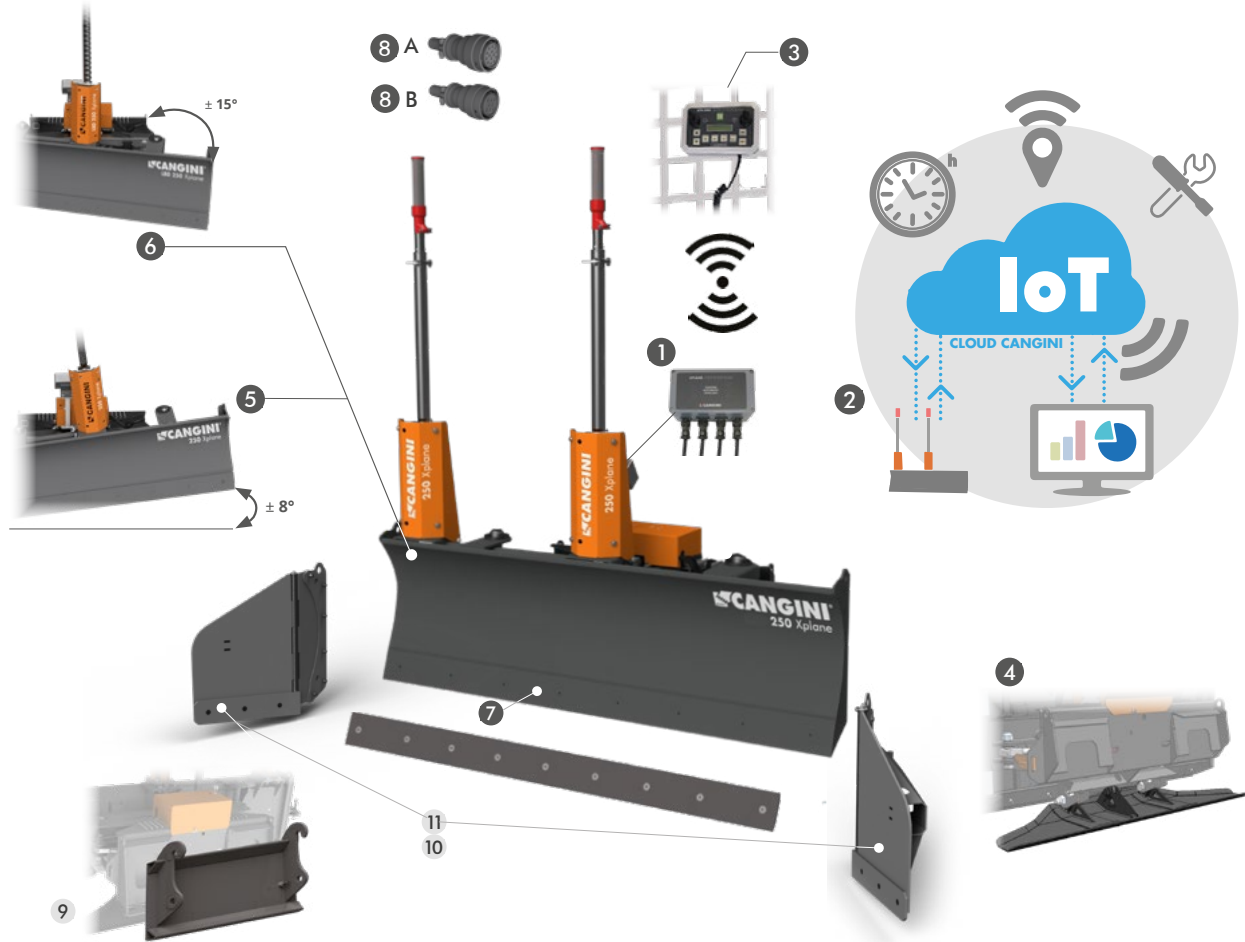


ALL MODELS OF THE XPLANE LASER DOZER BLADE ARE EQUIPPED WITH CANGINI'S IOT (INTERNET OF THINGS) TECHNOLOGY TO CONNECT TO THE CLOUD. THE CONTROL BOX, POSITIONED ON BOARD THE BLADE, AUTOMATICALLY COLLECTS ACTIVITY DATA TO PROVIDE A COMPLETE AND UP-TO-DATE VIEW OF THE EQUIPMENT'S ACTIVITY IN REAL TIME: WORKING HOURS, POSITION, MODE OF USE (AUTOMATIC OR MANUAL), DIAGNOSTICS. THROUGH THE CLOUD SYSTEM, CANGINI CAN PROVIDE REMOTE ASSISTANCE TO CORRECT AND IMPROVE THE BLADE'S OPERATING PARAMETERS. ROUTINE MAINTENANCE WORK TO BE CARRIED OUT IS INDICATED IN THE SYSTEM AND IS ALSO COMMUNICATED BY EMAIL. IN THE EVENT OF THEFT, THE AUTOMATIC USE OF THE EQUIPMENT CAN BE BLOCKED. LASER TRANSMITTER NOT INCLUDED



	MOD.	DOZER230 XPLANE LASER IOT	DOZER250 XPLANE LASER IOT	DOZER280 XPLANE LASER IOT
<b>A</b>	MM (IN)	2300 (90,5)	2500 (98,4)	2800 (110,2)
<b>B</b>	MM (IN)	720 (28,3)	720 (28,3)	720 (28,3)
<b>C</b>	MM (IN)	870 (34,2)	870 (34,2)	870 (34,2)
WIDTH AT 15°	MM (IN)	2200 (86,6)	2400 (94,4)	2700 (106,3)
W/O COUPLER	KG (LB)	695 (1532,2)	717 (1580,7)	736 (1622,6)
MAX.	BAR (PSI)	220 (3190,8)	220 (3190,8)	220 (3190,8)
14/8 PIN CONNECT*		STD 14 PIN	STD 14 PIN	STD 14 PIN

\* THE CONNECTOR TYPE YOU REQUIRE MUST BE INDICATED AT THE TIME OF ORDERING, OTHERWISE THE 14-PIN CONNECTOR WILL BE SUPPLIED AS STANDARD.



## STANDARD TECHNICAL FEATURES

### 1 CONTROL BOX

IT CONSTANTLY DISPLAYS THE BLADE'S POSITION IN RELATION TO THE LASER SIGNAL, SHOWING THE ADJUSTMENTS REQUIRED, IN BOTH AUTOMATIC AND MANUAL MODE. INSTALLED ON THE BLADE, IT AUTOMATICALLY COLLECTS THE OPERATING DATA TO PROVIDE A COMPLETE, UPDATED, REAL-TIME VIEW OF THE ATTACHMENT'S OPERATION.

### 2 IOT SYSTEM

CANGINI CLOUD CONNECTION SYSTEM RECEIVES AND PROCESSES EQUIPMENT ACTIVITY DATA. ACCESS AND 36-MONTH SUBSCRIPTION AND SIM CARD WITH DATA TRAFFIC ARE INCLUDED.

### 3 WIRELESS OPERATOR'S TERMINAL

IT ALLOWS TO CONTROL THE BLADE IN ALL ITS FUNCTIONS DIRECTLY FROM THE CAB. OPERATOR'S TERMINAL, INSIDE THE CAB, TRANSMITS COMMANDS TO THE CONTROL BOX THROUGH WIRELESS COMMUNICATION. THIS ALLOWS THE CAB TO BE CLOSED WITHOUT WIRES OBSTACLE.

### 4 STABILIZING SKID

CAN BE REGULATED DIRECTLY FROM THE CAB AND INCREASES PRODUCTIVITY WITH THE SAME QUALITY AND FINISHING. FOR CORRECT OPERATION, THE THIRD HOSE MUST BE CONNECTED TO A DUMP LINE.

### 5 TILT HORIZONTAL HYDRAULIC TILTING ADJUSTMENT OF ± 8°

HYDRAULIC ADJUSTMENT ± 8° OF THE BLADE VERTICAL TILTING ANGLE ON BOTH SIDES.

### 6 ANGLE SIDE HYDRAULIC TILTING ADJUSTMENT OF ± 15°

HYDRAULIC ADJUSTMENT ± 15° OF THE BLADE TILTING ANGLE ON BOTH SIDES.

### 7 REVERSIBLE AND INTERCHANGEABLE HB400 BLADE

### 8 14 PIN HD36-18-14SE (A) OR 8 PIN HD36-18-8SE (B) CONNECT

SUPPLIED SEPARATELY IF CLEAR INFORMATION ABOUT PLUG WIRING IS NOT PROVIDED

**NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS**

## OPTIONAL

### 9 ARTICULATED LOADERS COUPLING

### 10 MECHANICAL ADDITIONAL SIDES

### 11 HYDRAULIC ADDITIONAL SIDES





CANGINI RECOMMENDS COMBINING THE GEOMAX DG60 OR 75 TRANSMITTER WITH THE XPLANE LASER BLADE FOR EFFICIENT WORK. THIS TRANSMITTER IS 100% COMPATIBLE WITH CANGINI'S XPLANE LASER BLADE ELECTRONIC SYSTEM. THE 60 AND 75 DG TRANSMITTERS ARE EQUIPPED WITH HORIZONTAL AND VERTICAL SELF-LEVELLING WITH AUTOMATIC DIGITAL SLOPE ON TWO AXES (DUAL GRADE).THE STANDARD VERSION INCLUDES AS A PACKAGE: TRANSMITTER, RECEIVER, RADIO CONTROL, BATTERY AND CHARGER. IS RECOMMENDED TO INCREASE THE PERFORMANCE AND PRECISION OF THE XPLANE LASER BLADE.



	MOD.	60 DG	75 DG
ROTATION SPEED	RPM	300 - 600	300 - 600 - 900
MAX SETTABLE SLOPE ON TWO AXES	-	15%	15%
CAPACITY "DIAMETER"	Ø	900 MT	1.100 MT
PRECISION *		± 1,5 MM A 30 MT	± 1,5 MM A 30 MT
BATTERY CAPACITY	h	>40	>50
TEMPERATURE USE	C°	-20° +50°	-20° +50°
LASER TYPE AND CLASS		635 nm CLASSE 1	635 nmCLASSE 1
PROTECTION		IP 67	IP 67
SELF-LEVELLING INTERVAL		±5°	±5°

\* DEFINED AT 25°C (77°F)



STANDARD TECNICAL FEATURES

- 1 TRANSMITTER
- 2 RADIO CONTROL
- 3 BATTERY LI-ION AND CHARGER
- 4 LASER RECEIVER ZRD105B COMPLETE WITH CLAMP FOR BRACKET ATTACHMENT
- 5 BEAM LOCK FUNCTION WITH LASER RECEIVER ZRD105B

AFTER INTERCEPTING THE LASER BEAM, MOVING THE RECEIVER UPWARDS/DOWNWARDS, THE BEAM FOLLOWS THE RECEIVER AND LOCK ONTO THE NEW ALTITUDE, INDICATING THE VALUE OF THE SET SLOPE. THIS FUNCTION IS VERY USEFUL WHEN THE VALUE OF THE SLOPE AND/OR THE DISTANCE BETWEEN THE TWO POINTS IS UNKNOWN. IT ALSO MAKES VERTICAL ALIGNMENT OPERATIONS EASIER AND FASTER. COMMUNICATION WITH THE TOOL IS VIA RADIO UP TO 100 M.

OPTIONAL

- 6 PRO ROD
- 7 LIGHT TRIPOD H=191-354
- 8 HEAVY DUTY TRIPOD H=195-355

GRADUATED AND TELESCOPIC 5 M ROD, WITH CLAMPING. EQUIPPED WITH UPPER TIP WITH ADAPTER FOR RECEIVER BRACKET AND FLAT LOWER TIP FOR GROUND SUPPORT. INCLUDING CASE.

LIGHTWEIGHT ALUMINIUM TRIPOD WITH RACK ELEVATION

HEAVY AND ROBUST STRUCTURE OFFERING STRONGER STABILITY TO THE TRANSMITTER WITH RACK ELEVATION (H=195-355)





SPZ FRONTAL  
SWEEPER BUCKET



HB400



SKID LOADER



SKID LOADER



WHEEL LOADER



BACKHOE LOADER

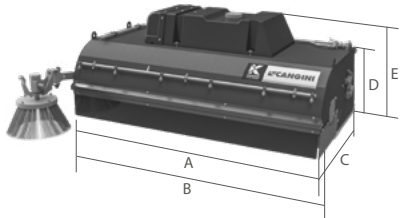


TELEHANDLER

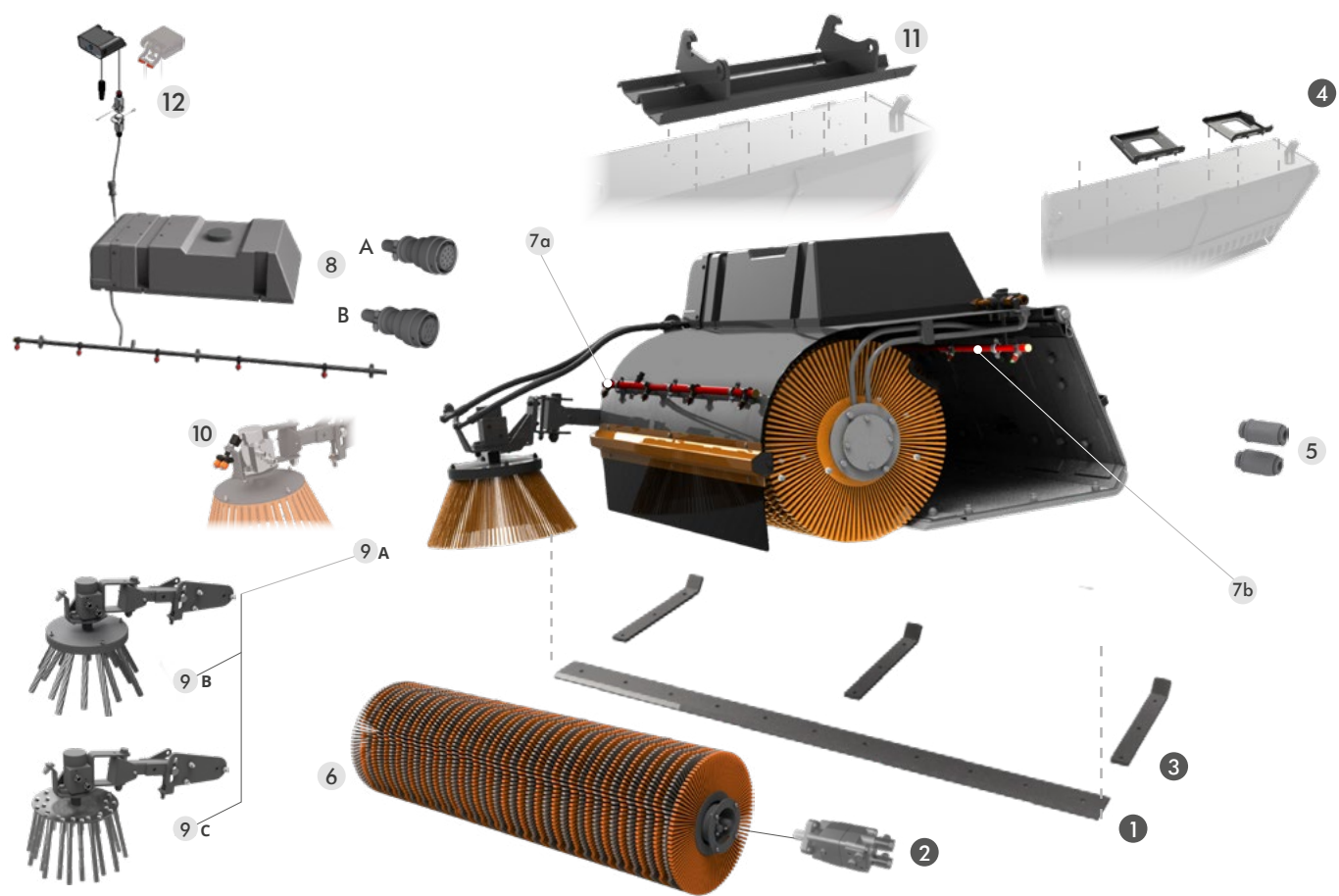


**NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)**

THE SPZ SWEEPER IS EVEN MORE COMPACT THANKS TO THE SHAFT WITH INTEGRATED ENGINE, WHICH REDUCES ITS SIZE AND INCREASES ITS ERGONOMICS AND VISIBILITY FROM THE CAB. THE IDEAL EQUIPMENT FOR DEEP CLEANING OF ANY SURFACE. IT IS EQUIPPED WITH A COLLECTION TANK WITH BOLT-ON REVERSIBLE HB400 CUTTING EDGE, WHICH MAKES THE SWEEPER EVEN MORE RESISTANT.



	MOD.	SPZ120	SPZ140 2.0	SPZ160 2.0	SPZ180 2.0	SPZ210 2.0	SPZ230 2.0
W/O COUPLER	KG (LB)	190 (418)	314 (692)	342 (753)	370 (815)	420 (925)	450 (992)
FULL-LOAD	L (GAL)	80 (21)	185 (49)	210 (55)	240 (63)	280 (74)	305 (81)
	MM (IN)	450 (18)	600 (24)	600 (24)	600 (24)	600 (24)	600 (24)
	N	25	28 + 2	33 + 2	37 + 2	43 + 2	48 + 2
	L/MIN (GAL/MIN)	50 (13)	70 (19)	70 (19)	70 (19)	70 (19)	70 (19)
MAX	BAR (PSI)	180 (2610)	250 (3626)	250 (3626)	250 (3626)	250 (3626)	250 (3626)



STANDARD TECHNICAL FEATURES

- BOLT-ON REVERSIBLE HB400 CUTTING EDGE (SPZ120 EXCLUDED)**
- ENGINE WITH SQUARE FLANGES AND DISK GEARBOX**  
SHAFT WITH INTEGRAL MOTOR, NOT SUITABLE FOR HIGH FLOW SYSTEM
- INTERCHANGEABLE SKIDS**  
THEY ENSURE AN OPTIMAL WORKING POSITION. ONCE WORN OUT, THEY CAN BE REPLACED TO RESTORE THEIR ORIGINAL EFFICIENCY.
- SKID-STEER LOADER HITCH**

**NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS**

OPTIONAL

- FLOWRATE REDUCERS**  
MANDATORY ON HIGHFLOW MACHINES OR WITH OILRATE HIGHER THAN 70 L/MIN.
- PPL + STEEL BRUSH**  
FOR PARTICULARLY ABRASIVE SURFACES. (SPZ120 EXCLUDED).
- EXTERNAL SPRINKLERS**  
THIS KIT DOES NOT INCLUDE WATER TANK AND PUMP. ONLY SUITABLE IF THE OPERATING MACHINE IS ALREADY EQUIPPED WITH A WATER TANK. (NOT AVAILABLE ON SPZ120)
- INSIDE SPRINKLERS**  
THIS KIT DOES NOT INCLUDE TANK AND PUMP. IT CAN BE COMBINED WITH THE DUST SUPPRESSION SYSTEM WITH TANK AND PUMP (NO. 8) TO OBTAIN GREATER ATOMIZATION AND FURTHER CONTAIN THE DUST PRODUCED DURING WORK.
- DUST-CONTROL SYSTEM WITH TANK AND PUMP**  
PRESSURIZED WATER SYSTEM WITH TANK FOR THE CONTROL OF DUSTS PRODUCED DURING THE WORKING CYCLE. SPRINKLERS ARE POSITIONED OUTSIDE THE SWEEPER. THE STANDARD 14-PIN PLUG IS SUPPLIED WITH DUST-CONTROL SYSTEM\*
- PPL BRUSH (A) STEEL BRUSH + RUBBER PLATE (B) STEEL BRUSH + STEEL PLATE (C) (SPZ120 EXCLUDED)**  
INDICATED FOR CURBS, WALLS AND SIDEWALKS CLEANING. NORMALLY MOUNTED ON THE RIGHT, CAN BE INSTALLED ON THE LEFT ON SPECIFIC REQUEST
- SPRINKLERS FOR SIDE BRUSH (SPZ120 EXCLUDED)**
- HITCH FOR ARTICULATED LOADERS, BACKHOE LOADERS AND TELEHANDLER HANDLERS.**  
IN CASE OF COMBINATIONS WITH TELESCOPIC HANDLERS, THE PRODUCT APPLICATION HAS TO BE EVALUATED, SO CONTACT THE SALES DEPARTMENT.
- ELECTRIC KIT**

\* THE CONNECTOR TYPE YOU REQUIRE MUST BE INDICATED AT THE TIME OF ORDERING, OTHERWISE THE 14-PIN CONNECTOR WILL BE SUPPLIED AS STANDARD.

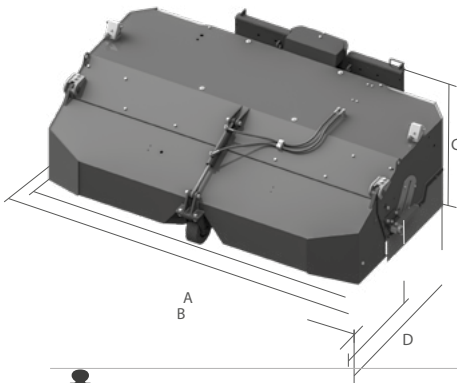
\*THE PLUG IS SUPPLIED DISASSEMBLED, IF NO INFORMATION ON THE PLUG WIRING IS PROVIDED, PLEASE CHECK THAT THE MAIN MACHINE IS EQUIPPED WITH A 14/8-PIN MULTIPOLE SOCKET. ON THE CONTRARY, TH ELECTRICAL KIT IS REQUIRED.









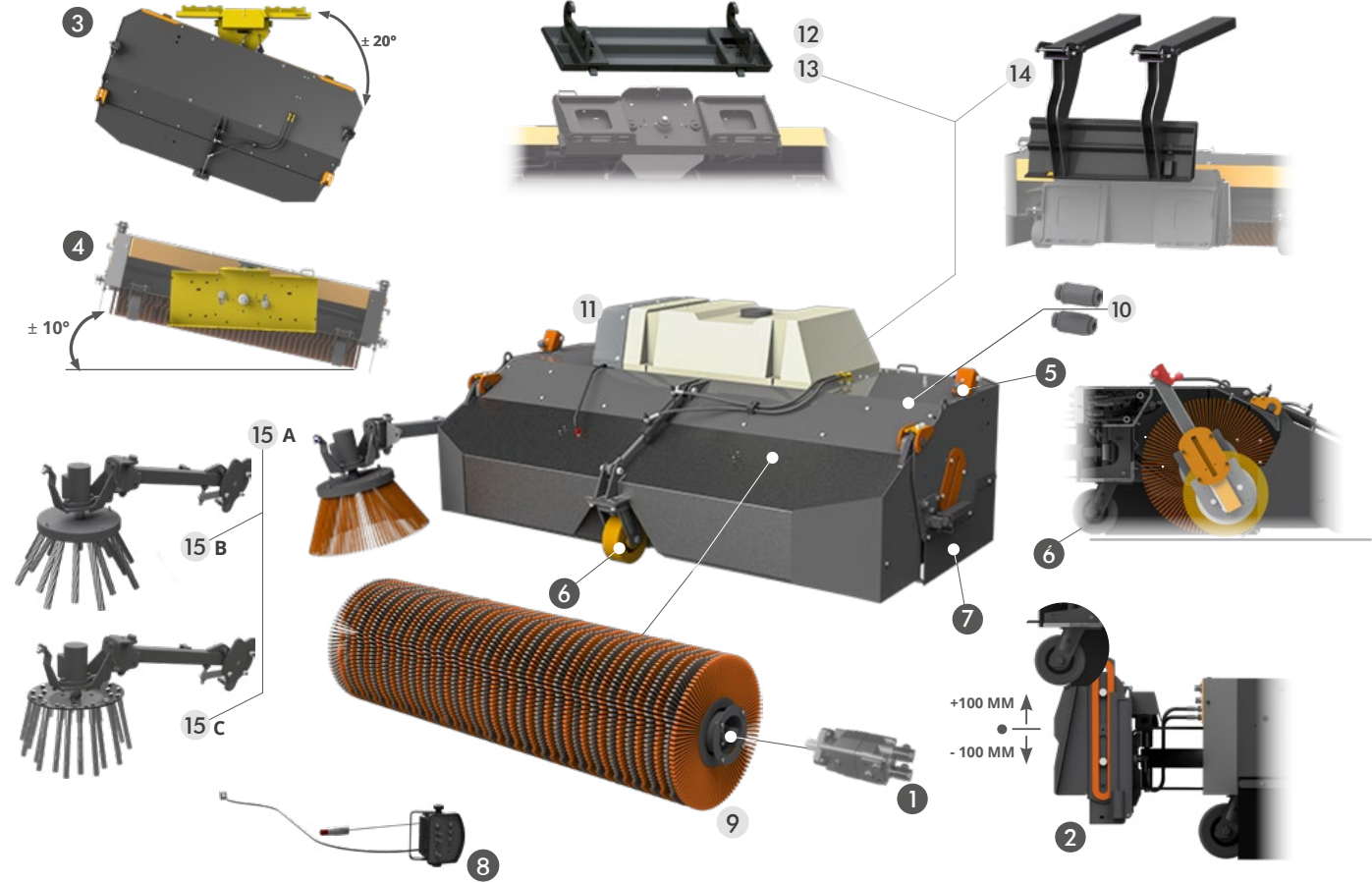


NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)

IT IS PERFECT FOR THE MAINTENANCE AND CLEANING OF OPEN SURFACES, FLOORS, INDUSTRIAL HALLS AND STREETS THAT REQUIRE A HIGH-LEVEL CLEANING.



	W/O COUPLER	KG (LB)	610 (1344,82)	640 (1410,96)	675 (1488,12)	700 (1543,24)
	MAX.	L (GAL)	135 (35,66)	150 (39,62)	180 (47,55)	200 (52,83)
		MM (IN)	600 (23,62)	600 (23,62)	600 (23,62)	600 (23,62)
		N.	33 + 2	37 + 2	43 + 2	48 + 2
	MAX.	L/MIN (GAL/MIN)	70 (18,49)	70 (18,49)	70 (18,49)	70 (18,49)
	MAX.	BAR (PSI)	250 (3625,94)	250 (3625,94)	250 (3625,94)	250 (3625,94)
12 PIN CONNECT			12 PIN	12 PIN	12 PIN	12 PIN



STANDARD TECHNICAL FEATURES

- 1 ENGINE WITH SQUARE FLANGES AND DISK GEARBOX**  
SHAFT WITH INTEGRAL MOTOR, NOT SUITABLE FOR HIGH FLOW SYSTEM
- 2 COMPACT FLOATING SYSTEM 200 MM**  
IT ALLOWS THE SWEEPER TO FOLLOW THE GROUND AND BETTER THE FINAL RESULT. DESIGNED FOR MACHINES SUCH AS LOADERS AND TELESCOPIC LOADERS.
- 3 ANGLE SIDE HYDRAULIC TILTING ADJUSTMENT OF ± 20°**  
IT ALLOWS THE HYDRAULIC ADJUSTMENT OF THE TILTING ANGLE UP TO A MAX. OF +/-20° ON EACH SIDE.
- 4 TILT - HORIZONTAL MECHANICAL TILTING ADJUSTMENT OF ±10°**  
IT ALLOWS THE MECHANICAL ADJUSTMENT OF THE WORKING PLANE TILTING ANGLE UP TO A MAX. OF +/- 10° ON EACH SIDE.
- 5 ROLLER PRESSURE ADJUSTMENT SYSTEM**
- 6 PIVOTING WHEELS**
- 7 PARKING FEET**
- 8 ELECTRIC KIT**

NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS

OPTIONAL

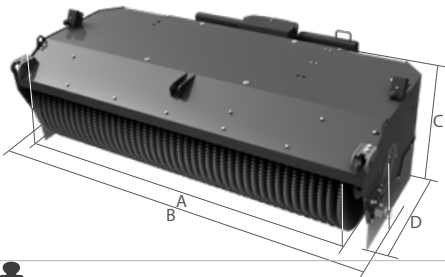





- 9 PPL+STEEL BRUSH KIT**  
RECOMMENDED ON PARTICULARLY ABRASIVE SURFACES, ELECTRIC ON/OFF FROM OPERATOR TERMINAL.
- 10 FLOWRATE REDUCERS**  
MANDATORY ON HIGHFLOW MACHINES OR WITH OILRATE HIGHER THAN 70 L/MIN.
- 11 DUST-CONTROL SYSTEM WITH TANK AND PUMP**  
PRESSURIZED WATER SYSTEM WITH TANK FOR THE CONTROL OF DUSTS PRODUCED DURING THE WORKING CYCLE. SPRINKLERS ARE POSITIONED INSIDE THE SWEEPER
- 12 ARTICULATED LOADERS, BACKHOE LOADERS AND TELEHANDLER HANDLERS COUPLING**
- 13 ARTICULATED LOADERS HITCH** **14 COUPLING FRAME FOR FORKS**
- 15 SIDE BRUSH (CAN BE MOUNTED ON RIGHT OR LEFT) PPL BRUSH (A) STEEL BRUSH + RUBBER PLATE (B) STEEL BRUSH + STEEL PLATE (C)**  
INDICATED FOR CURBS, WALLS AND SIDEWALKS CLEANING. NORMALLY MOUNTED ON THE RIGHT, CAN BE INSTALLED ON THE LEFT ON SPECIFIC REQUEST



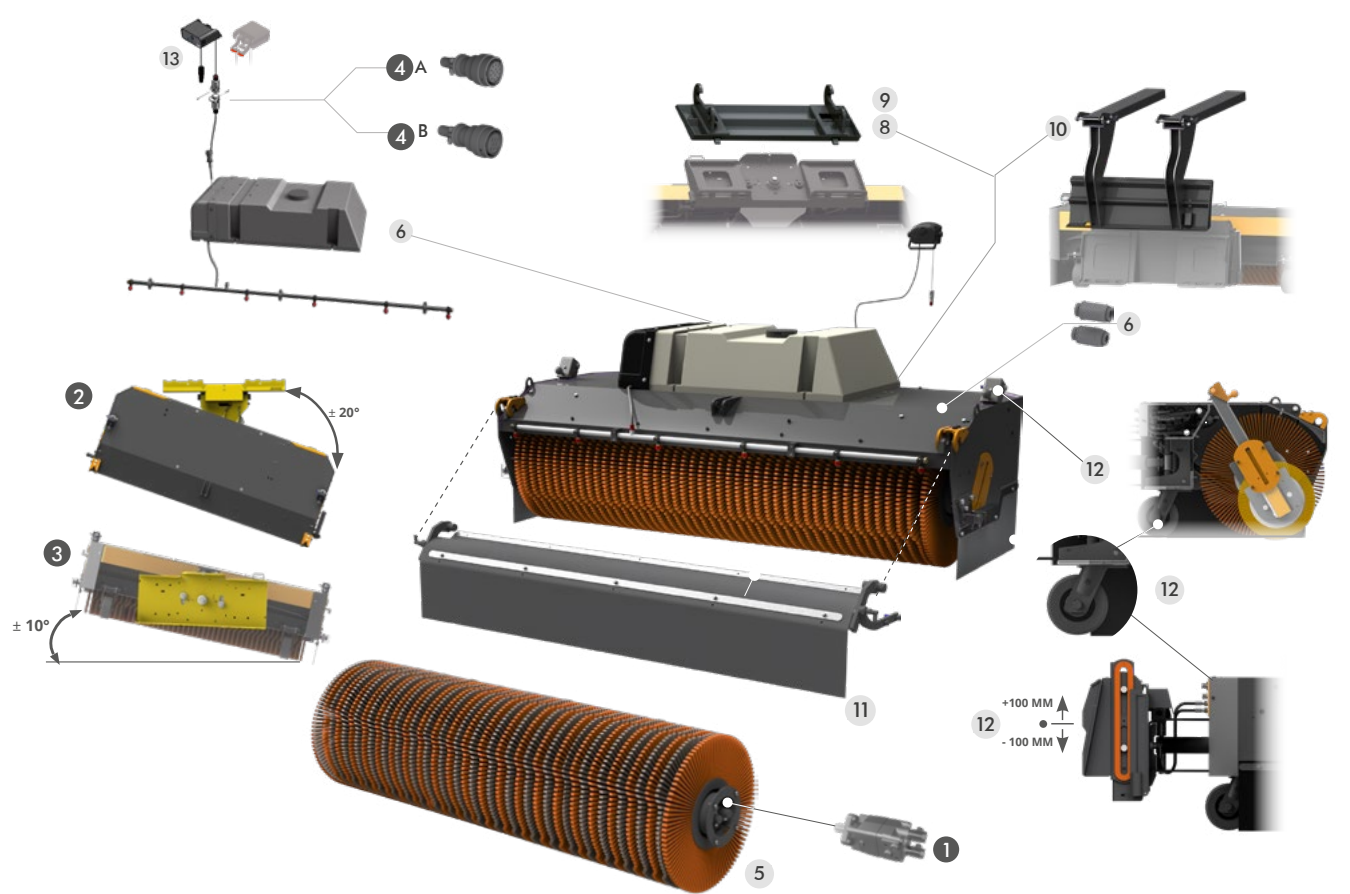


NB: AT THE TIME OF ORDER, PLEASE NOTIFY THE VOLTAGE OF THE ELECTRICAL SYSTEM (12-24 V)

IT IS PERFECT FOR THE MAINTENANCE AND CLEANING OF OPEN SURFACES, FLOORS, INDUSTRIAL HALLS AND STREETS THAT REQUIRE A HIGH-LEVEL CLEANING.

		MOD.	EASY SWEEPY R160	EASY SWEEPY R180	EASY SWEEPY R210	EASY SWEEPY R230
	A	MM (IN)	1600 (62,99)	1800 (70,86)	2100 (82,67)	2300 (90,55)
	B	MM (IN)	1850 (72,83)	2050 (80,70)	2350 (92,51)	2550 (100,39)
	C	MM (IN)	800 (31,4)	800 (31,4)	800 (31,4)	800 (31,4)
	D	MM (IN)	1300 (51,18)	1300 (51,18)	1300 (51,18)	1300 (51,18)
 W/O COUPLER		KG (LB)	330 (727,52)	350 (771,61)	375 (826,73)	395 (870,82)
		MM (IN)	600 (23,62)	600 (23,62)	600 (23,62)	600 (23,62)
		N.	33 + 2	37 + 2	43 + 2	48 + 2
 MAX.		L/MIN (GAL/MIN)	70 (18,49)	70 (18,49)	70 (18,49)	70 (18,49)
 MAX.		BAR (PSI)	250 (3625,94)	250 (3625,94)	250 (3625,94)	250 (3625,94)
14/8 PIN CONNECT*						

\* THE CONNECTOR TYPE YOU REQUIRE MUST BE INDICATED AT THE TIME OF ORDERING, OTHERWISE THE 14-PIN CONNECTOR WILL BE SUPPLIED AS STANDARD.



STANDARD TECHNICAL FEATURES

- 1 ENGINE WITH SQUARE FLANGES AND DISK GEARBOX**  
SHAFT WITH INTEGRAL MOTOR, NOT SUITABLE FOR HIGH FLOW SYSTEM
- 2 ANGLE SIDE HYDRAULIC TILTING ADJUSTMENT OF ± 20°**  
IT ALLOWS THE HYDRAULIC ADJUSTMENT OF THE TILTING ANGLE UP TO A MAX. OF +/-20° ON EACH SIDE.
- 3 TILT – HORIZONTAL MECHANICAL TILTING ADJUSTMENT OF ±10°**  
IT ALLOWS THE MECHANICAL ADJUSTMENT OF THE WORKING PLANE TILTING ANGLE UP TO A MAX. OF +/- 10° ON EACH SIDE.
- 4 14 PIN HD36-18-14SE (A) OR 8 PIN HD36-18-8SE (B) CONNECT**  
SUPPLIED SEPARATELY IF CLEAR INFORMATION ABOUT PLUG WIRING IS NOT PROVIDED

NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS

OPTIONAL

- 5 PPL+STEEL BRUSH KIT**  
RECOMMENDED FOR THE CLEANING OF PARTICULARLY ABRASIVE SURFACES.
- 6 DUST-CONTROL SYSTEM WITH TANK AND PUMP**  
PRESSURIZED WATER SYSTEM WITH TANK FOR THE CONTROL OF DUSTS PRODUCED DURING THE WORKING CYCLE. SPRINKLERS ARE POSITIONED INSIDE AND OUTSIDE THE SWEEPER.
- 7 FLOWRATE REDUCERS**  
MANDATORY ON HIGHFLOW MACHINES OR WITH OILRATE HIGHER THAN 70 L/MIN.
- 8 ARTICULATED LOADERS, BACKHOE LOADERS AND TELEHANDLER HANDLERS HITCH**
- 9 ARTICULATED LOADERS HITCH**
- 10 COUPLING FRAME FOR FORKS**
- 11 ADJUSTABLE FRONT SKIRT**
- 12 COMPACT FLOATING SYSTEM KIT 200 MM**  
IT ALLOWS THE SWEEPER TO FOLLOW THE GROUND AND BETTER THE FINAL RESULT. DESIGNED FOR MACHINES SUCH AS LOADERS AND TELESCOPIC LOADERS. IT IS SUPPLIED WITH ROLLER PRESSURE ADJUSTMENT SYSTEM AND WHEELS KIT.
- 13 ELECTRIC KIT**

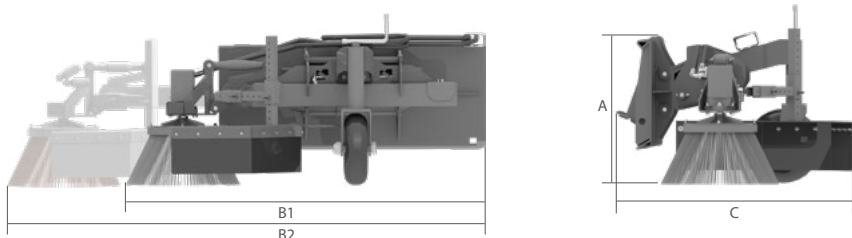




F ALL DUSTER  
FRONTAL JOINTED BRUSH



THE ALL DUSTER BRUSH FOR FRONTAL COUPLING CAN BE EASILY FITTED ON THE RIGHT OR LEFT SIDE, FOR THE SMOOTH CLEANING OF BOTH SIDES OF THE STREETS.JOINT AND FLOATING SYSTEM, ARE THE DEVICES THAT ALLOW IT TO FOLLOW THE GROUND PROFILE IN ANY CONDITION.



		MOD.	ALL DUSTER F	
A		MM (IN)	700	(27,5)
B1		MM (IN)	1600	(63)
B2		MM (IN)	2100	(82,6)
C		MM (IN)	900	(35,4)
FLOATING STROKE		MM (IN)	220	(8,6)
		KG (LB)	156	(343,9)
		MM (IN)	500	(19,6)
	MAX.	L/MIN (GAL/MIN)	70	(18,4)
	MIN.	L/MIN (GAL/MIN)	40	(10,5)
	MAX.	BAR (PSI)	200	(2900,7)

STANDARD TECHNICAL FEATURES

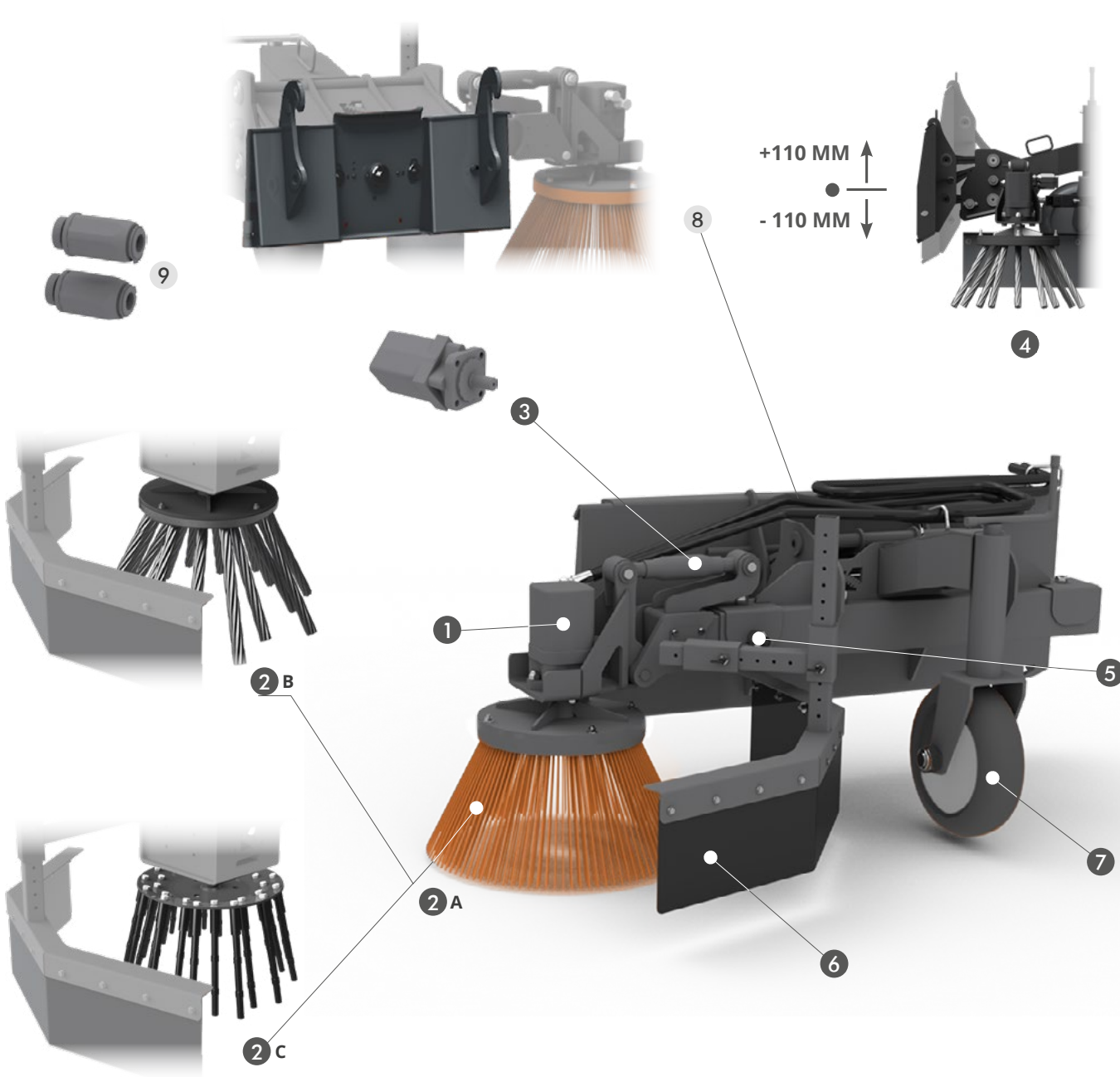
- 1 ENGINE WITH SQUARE FLANGES AND DISK GEARBOX AND FLOW REGULATORS
- 2 PPL BRUSH (A) STEEL BRUSH + RUBBER PLATE (B) STEEL BRUSH + STEEL PLATE (C)
- 3 MECHANICAL ANGLE ADJUSTMENT OF THE BRUSH
- 4 FLOATING SYSTEM AND JOINT 220 MM
- 5 TELESCOPIC BOOM
- 6 STONE DEFLECTOR
- 7 PIVOTING WHEEL, ADJUSTABLE IN HEIGHT

NB : THE EQUIPMENT IS SUPPLIED COMPLETE WITH PIPES AND CONNECTIONS

OPTIONAL

- 8 ARTICULATED LOADERS HITCH
- 9 FLOWRATE REDUCERS

MANDATORY ON HIGHFLOW MACHINES OR WITH OILRATE HIGHER THAN 70 L/MIN.





# GENERAL SALES CONDITIONS AND WARRANTY CONDITIONS

THESE GENERAL CONDITIONS OF SALE ARE BINDING AND CONSTITUTE AN INTEGRAL PART OF CONTRACTS SIGNED BY THE SELLER AND THE BUYER FOR THE SUPPLY OF THE SELLER'S PRODUCTS (THE "PRODUCTS").

THE CONDITIONS OF SALE APPLY TO ALL TRANSACTIONS CONCLUDED BETWEEN THE SELLER AND THE BUYER WITH NO NEED FOR SPECIFIC REFERENCE TO THEM OR A SPECIFIC AGREEMENT COVERING THEM ON THE FINALISATION OF EVERY SINGLE TRANSACTION; ANY CONDITION OR TERM AT VARIANCE WITH THEM WILL ONLY BE APPLIED IF CONFIRMED BY THE SELLER IN WRITING.

THE SELLER RESERVES THE RIGHT TO AMEND AND SUPPLEMENT OR VARY THE GENERAL TERMS AND CONDITIONS OF SALE BY ANNEXING ANY SUCH CHANGES TO ITS OFFERS OR ANY WRITTEN CORRESPONDENCE DISPATCHED TO THE BUYER.

## OFFERS AND ORDERS

THE SELLER'S OFFERS ARE NOT BINDING, IN PARTICULAR WITH REGARD TO QUANTITY, PRICES AND DELIVERY TERMS.

ORDERS MADE BY THE BUYER ARE NOT CONSIDERED ACCEPTED UNTIL CONFIRMED IN WRITING BY THE SELLER; THE BUYER MAY AMEND AND/OR CANCEL THE ORDER WITHIN 24 HOURS AFTER ITS RECEIPT, AS SPECIFICALLY STATED IN THE ORDER CONFIRMATION.

ORDERS AND/OR REQUESTS FOR AMENDMENTS TO ORDERS MADE VERBALLY OR BY TELEPHONE MUST BE CONFIRMED BY THE BUYER IN WRITING; OTHERWISE, THE SELLER ACCEPTS NO LIABILITY WITH REGARDS TO ANY POSSIBLE ERRORS OR MISUNDERSTANDINGS.

## PRICES AND PAYMENT TERMS

UNLESS OTHERWISE STATED IN THE ORDER CONFIRMATION, THE PRICE OF THE PRODUCTS IS THAT STATED IN THE 25.1.3 PRICE LIST IN FORCE AS OF THE DATE OF THE ORDER. PRICES OF THE PRODUCTS DO NOT INCLUDE VAT, WHICH SHALL BE PAYABLE ON DELIVERY OR IN ACCORDANCE WITH THE SPECIFIC INSTRUCTIONS PROVIDED IN THE INVOICE.

TAXES, DUTIES, SHIPPING, INSURANCE AND AFTER-SALES SERVICE ARE NOT INCLUDED IN PRICES UNLESS QUOTED SEPARATELY.

IN CASE OF LATE PAYMENT OR FAILURE TO PAY WITHIN THE AGREED TERMS, THE SELLER MAY CHARGE INTEREST FOR ARREARS, WHILE RETAINING THE RIGHT TO COMPENSATION FOR ANY OTHER DAMAGE INCURRED, AND MAY SUSPEND AND/OR CANCEL FURTHER DELIVERIES AND DEMAND IMMEDIATE PAYMENT OF THE SUMS DUE. THE PARTIES HEREBY AGREE THAT IN CASE OF DISPUTES BETWEEN THEM CONCERNING THIS CONTRACT, THE BUYER MAY NOT DELAY AND/OR SUSPEND PAYMENTS FOR THE ORDERS EXECUTED, ON ANY GROUNDS.

IN CASE OF CHANGES TO THE BUYER'S ECONOMIC STATUS, THE SELLER MAY DEMAND IMMEDIATE PAYMENT, IMPLEMENT THE ACCELERATION CLAUSE AND CHANGE THE PAYMENT TERMS, ALSO REQUIRING TOTAL OR PARTIAL PAYMENT IN ADVANCE BEFORE SHIPMENT.

IN ALL CASES THE BUYER SHALL NOT BE ENTITLED TO MAKE DEDUCTIONS OR WITHHOLD SUMS FROM, OR TO REDUCE, THE PRICE AND/OR THE SUMS DUE TO THE SELLER FOR ANY REASON, WITHOUT THE SELLER'S SPECIFIC WRITTEN CONSENT.

## DELIVERY TERMS

UNLESS OTHERWISE AGREED IN WRITING, NO DELIVERY TERM IS BINDING ON THE SELLER; UNLESS OTHERWISE AGREED BETWEEN THE PARTIES, THE GUIDELINE DELIVERY TERM IS THAT STATED IN THE ORDER CONFIRMATION. THE DELIVERY TERMS AND PROCEDURES FOR PRODUCTS AND/OR SPARE PARTS ARE THOSE STATED BY THE SELLER IN THE ORDER CONFIRMATION; THE SELLER HAS NO RESPONSIBILITY FOR DELAYS DUE TO CHANCE CIRCUMSTANCES, FORCE MAJEURE OR THE ACTIONS OF THIRD PARTIES OR PUBLIC AUTHORITIES, OR DUE TO CAUSES LINKED TO THE BUYER, AS SPECIFICALLY SET FORTH BY ART. 1341 OF THE ITALIAN CIVIL CODE.

THE SELLER IS NOT OBLIGED TO ACCEPT RETURNS OF THE PRODUCTS UNLESS SPECIFICALLY AGREED IN WRITING. ANY COSTS INCURRED FOR THIS PURPOSE ARE PAYABLE BY THE BUYER.

## WARRANTY CONDITIONS

A) THE SELLER GUARANTEES THAT THE PRODUCTS AND/OR SPARE PARTS ARE FREE FROM DEFECTS AND THAT THEY COMPLY WITH THE TECHNICAL SPECIFICATIONS DECLARED IN THE PRODUCT TECHNICAL MANUALS AND THE DOCUMENTATION SUPPLIED TO THE BUYER.

B) THE WARRANTY IS VALID FOR 12 MONTHS FROM THE TIME WHEN THE PRODUCT AND/OR SPARE PARTS AND/OR PRODUCT PARTS LEAVE THE SELLER'S PREMISES.

C) THE SELLER IS NOT LIABLE, EVEN WITH REGARD TO DAMAGE TO THIRD PARTIES, FOR MISUSE OF THE PRODUCTS AND/OR SPARE PARTS, OR THEIR USE IN BREACH OF THE PROVISIONS OF THE USE AND MAINTENANCE MANUALS, OR FOR THEIR USE BY UNSKILLED PERSONNEL.

D) IN CASE OF TAMPERING WITH THE PRODUCTS AND/OR SPARE PARTS OR ANY MAINTENANCE AND/OR REPAIR OF THE SAME, OR REPLACEMENT OF PARTS WITHOUT THE SELLER'S WRITTEN AUTHORISATION, THE WARRANTY SHALL BE VOIDED.

E) ON RECEIPT OF THE PRODUCTS AND/OR SPARE PARTS, THE BUYER SHALL INSPECT THEIR PACKAGING AND CHECK THEIR QUANTITY AND THAT THEY COMPLY WITH THE ORDER CONFIRMATION, ENTERING ANY DISCREPANCIES IN THE DELIVERY NOTE.

F) ALL DEFECTS OR NONCONFORMITIES IN PRODUCTS AND/OR SPARE PARTS MUST BE REPORTED TO THE SELLER, IN WRITING, WITHIN 8 DAYS AFTER RECEIPT, ENCLOSING A DETAILED REPORT AND PHOTOGRAPHIC DOCUMENTATION OF THE CLAIMED FAULTS AND A COPY OF THE DELIVERY NOTE CONTAINING THE COMPLAINTS ENTERED IN IT.

G) CATALOGUES, PRICE LISTS AND MARKETING MATERIAL SUPPLIED BY THE SELLER CONTAINING GUIDELINE IMAGES AND DESCRIPTIONS OF THE PRODUCT CANNOT BE USED AS PROOF OF THE PRODUCT'S NONCONFORMITY.

H) AFTER VERIFICATION THAT THE PRODUCT CLAIMED TO BE FAULTY IS ENTITLED TO WARRANTY COVER, CANGINI BENNE SHALL DECIDE NOW TO PROCEED, WHILE GUARANTEEING THAT THE PROBLEM WILL BE RESOLVED IN THE SHORTEST POSSIBLE TIMES.

I) ALL PRODUCTS AND/OR SPARE PARTS, INCLUDING THOSE SENT AS REPLACEMENTS OR PRIOR TO VERIFICATION OF THE WARRANTY COVER, SHALL BE DISPATCHED WITH SALES DELIVERY DOCUMENT AND BILLED TO THE BUYER. AFTER THE APPROPRIATE CHECKS, IF THE REPLACEMENT IS FOUND TO BE WITHIN THE TERMS OF THE WARRANTY, THE SELLER WILL PROCEED TO ISSUE A CREDIT NOTE.

L) THIS WARRANTY DOES NOT COVER ANY DIRECT OR INDIRECT DAMAGE TO THE CUSTOMER OR THIRD PARTIES, DAMAGE FROM LOSS OF EARNINGS, ACCIDENTAL DAMAGE, COMMERCIAL DAMAGE, DELAYS IN WORKS, REPUTATIONAL DAMAGE OR ANY OTHER DAMAGE TO THE BUYER, OR ITS INTERNAL HANDLING COSTS. THE WARRANTY DOES NOT COVER TRAVEL EXPENSES FOR THE DISPATCH OF PRODUCTS AND/OR SPARE PARTS.

M) THE SELLER RESERVES THE RIGHT TO SEND THE BUYER A REPLACEMENT PRODUCT AND/OR SPARE PART FOR THE TIME NECESSARY FOR ANY CHECKS AND REPAIRS.

# GENERAL SALES CONDITIONS AND WARRANTY CONDITIONS

## LIABILITY LIMITATION

EXCEPT IN CASES OF JUSTIFIED CLAIMS, THE BUYER IS NOT GRANTED ANY FURTHER RIGHTS OR REMEDIES. IN PARTICULAR, THE SELLER IS NOT LIABLE FOR ANY COMPENSATION CLAIMED FOR BREACH OR VIOLATION OF CONTRACT OR FOR ANY DIRECT DAMAGE OR LOSS OF EARNINGS INCURRED BY THE BUYER AS A CONSEQUENCE OF THE USE OF OR FAILURE TO USE PRODUCTS, OR THEIR INSTALLATION IN OTHER PRODUCTS, EXCEPT FOR THE CIRCUMSTANCES COVERED BY THE WARRANTY SET OUT IN THE PREVIOUS POINT, OR IN CASE OF WILFUL MALPRACTICE OR SERIOUS NEGLIGENCE BY THE SELLER.

THE SELLER WILL DO EVERYTHING IN ITS POWER TO DELIVER THE PRODUCTS BY ANY TERM AGREED, BUT UNDER NO CIRCUMSTANCES SHALL IT BE HELD RESPONSIBLE FOR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY DELAY IN THE FULFILMENT OF A CONTRACT OR LATE DELIVERY OF THE PRODUCTS.

THE SELLER'S CATALOGUE, PRICE LIST OR OTHER MARKETING MATERIAL CONSTITUTES ONLY GUIDANCE CONCERNING THE PRODUCTS' TYPE, AND THE PRICES AND INDICATIONS CONTAINED THEREIN ARE NOT BINDING ON THE SELLER. THE SELLER THEREFORE DOES NOT ACCEPT ANY LIABILITY FOR ERRORS OR OMISSIONS IN ITS PRICE LIST OR MARKETING MATERIAL.

## INTELLECTUAL PROPERTY RIGHTS OF CANGINI BENNE S.R.L.

THE CUSTOMER SPECIFICALLY RECOGNISES THAT THE BRANDS, COMMERCIAL NAMES OR OTHER DISTINGUISHING MARKS APPLIED TO THE GOODS ARE THE EXCLUSIVE PROPERTY OF CANGINI BENNE S.R.L. AND MAY NOT BE ALTERED, MODIFIED, REMOVED OR ERASED IN ANY WAY. THE CUSTOMER HAS A LIMITED RIGHT TO USE OF THE BRANDS, COMMERCIAL NAMES OR OTHER DISTINGUISHING MARKS, AND OF ANY OTHER RIGHT TO INDUSTRIAL PROPERTY OR PRODUCTION AND COMMERCIAL KNOW-HOW INCORPORATED IN THE GOODS, WHICH CONTINUES TO BE THE EXCLUSIVE PROPERTY OF CANGINI BENNE S.R.L., FOR THE SOLE PURPOSE OF THE RETAIL SALE OF THE GOODS. ANY OTHER USE OF CANGINI BENNE S.R.L.'S INTELLECTUAL PROPERTY BY THE CUSTOMER, IF NOT SPECIFICALLY AUTHORISED BY THE FORMER IN WRITING, SHALL CONSTITUTE A VIOLATION ON THE PART OF THE CUSTOMER OF CANGINI BENNE S.R.L.'S AFORESAID EXCLUSIVE RIGHTS, AND SHALL LEAD TO PROSECUTION FOR BREACH OF CONTRACT.

ANY DOCUMENTS, DRAWINGS, DATA AND INFORMATION (WHETHER IN PAPER OR DIGITAL FORMAT) CONSIGNED TO THE CUSTOMER CONTINUE TO BE THE EXCLUSIVE PROPERTY OF CANGINI BENNE S.R.L.. THEY CONSTITUTE AN AID FOR THE CLEARER REPRESENTATION OF THE PRODUCT AND PROVIDE GUIDANCE AS TO THE PRODUCT'S PERFORMANCES.

THE CUSTOMER UNDERTAKES NOT TO COPY THEM, NOT TO DISCLOSE THEM TO THIRD PARTIES, AND TO ADOPT ALL APPROPRIATE PRECAUTIONS IN RELATION TO ITS STAFF TO ENSURE THEIR PROTECTION.

## PERSONAL DATA PROCESSING

A) THE BUYER PERSONAL DATA WILL BE PROCESSED IN ACCORDANCE WITH ITALIAN LAW ON THE PROCESSING OF PERSONAL DATA, SUCH AS THE GDPR AND LEGISLATIVE DECREE 101/2018, AS AMENDED.

THE SELLER INFORMS THE BUYER THAT THE FORMER IS THE DATA CONTROLLER AND THAT THE BUYER'S PERSONAL DATA ARE COLLECTED AND PROCESSED SOLELY FOR THE EXECUTION OF THIS AGREEMENT.

B) THE DATA AND INFORMATION PROCESSED IN ACCORDANCE WITH THESE GENERAL CONDITIONS OF SALE WILL NOT BE DISCLOSED TO THIRD PARTIES IN ANY WAY UNLESS SPECIFICALLY AUTHORISED IN WRITING BY THE SELLER, SUBJECT TO LEGAL OBLIGATIONS REGARDING THE SUBMISSION TO PUBLIC AUTHORITIES OF DOCUMENTS CONTAINING PERSONAL DATA.

C) EACH PARTY UNDERTAKES TO INFORM THE OTHER WITHOUT DELAY OF ANY VIOLATION OF RIGHTS TO THE BRAND WHICH COMES TO ITS KNOWLEDGE, AND ANY OTHER FORM OF UNFAIR COMPETITION BY THIRD PARTIES, TO ENABLE THE VICTIM PARTY TO TAKE THE DEFENSIVE ACTIONS IT CONSIDERS NECESSARY OR APPROPRIATE, IN THEIR JOINT INTEREST.

## APPLICABLE LAW

A) IF THE BUYER IS AN ENTITY UNDER ITALIAN LAW, THESE GENERAL CONDITIONS OF SALE AND ALL THE CONTRACTS IT SIGNS WITH THE SELLER SHALL BE GOVERNED BY ITALIAN LAW.

B) IF, ON THE OTHER HAND, THE BUYER IS OF NON-ITALIAN NATIONALITY, THESE GENERAL CONDITIONS OF SALE AND ALL THE CONTRACTS IT SIGNS WITH THE SELLER SHALL BE GOVERNED BY THE 1980 VIENNA CONVENTION ON CONTRACTS FOR THE INTERNATIONAL SALE OF GOODS.

## LEGAL JURISDICTION

A) ALL DISPUTES ARISING FROM THIS CONTRACT SHALL BE SUBMITTED TO THE SOLE JURISDICTION OF FORLÌ LAW COURT.

THE PARTIES AGREE THAT ONLY THE SELLER, AT ITS OWN DISCRETION, MAY WAIVE THE SOLE JURISDICTION OF THE COURT REFERRED TO IN POINT A) ABOVE TO BRING PROCEEDINGS AGAINST THE BUYER AT ITS DOMICILE OR BEFORE THE COURT WITH COMPETENCE THERE.

## GENERAL PROVISIONS

A) THE INVALIDITY OF ALL OR PART OF INDIVIDUAL PROVISIONS OF THESE GENERAL TERMS AND CONDITIONS OF SALE SHALL NOT AFFECT THE VALIDITY OF THE REMAINING PROVISIONS.

B) EVERY AMENDMENT OR SUPPLEMENT TO THIS CONTRACT MUST BE MADE IN WRITING AND DULY SIGNED BY THE PARTIES.

C) THESE GENERAL CONDITIONS OF SALE ARE ISSUED IN TWO LANGUAGES, ITALIAN AND ENGLISH. IN THE EVENT OF DOUBTS AS TO THEIR INTERPRETATION THE ITALIAN VERSION SHALL PREVAIL.





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