

# CATALOGUE N. 5

EN



**COMPACTORS, PILE DRIVERS AND STUMP GRINDERS**



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# TECHNICAL LEGEND

	WHEEL DIAMETER		WHEEL LOADER
	HEX KEY		BACKHOE LOADER
	CENTRIFUGAL FORCE		TELEHANDLER
	VIBRATION RATE		EXCAVATOR
	WEIGHT		SKID LOADER
	OIL FLOWRATE		MINI SKID LOADER
	PRESSURE		



PLATE  
COMPACTOR



6

PILE DRIVER  
WITH CLAMP



8



PILE DRIVER  
WITHOUT CLAMP



9

STUMP GRINDER



10



WHEEL  
COMPACTOR



11

FRONT-MOUNTED PLATE  
COMPACTOR



12



VIBRATING ROLLER  
COMPACTOR

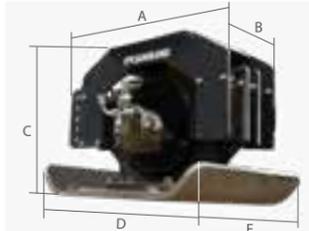


14



DESIGNED TO COMPACT ANY SURFACE, THE PLATE COMPACTOR IS PARTICULARLY USEFUL FOR COMPACTING INFILL IN TRENCHES AFTER CABLES AND PIPES HAVE BEEN LAID. IT PROVIDES A SOLID, UNIFORM SURFACE THAT LASTS OVER TIME. THE ATTACHMENT IS COMPLETE WITH FIXED COUPLING TO THE MACHINE.

SUITABLE FOR ALL NEEDS, MODELS RANGE FROM THE SMALLEST VERSION OF 1.5 TONNES UP TO A MAXIMUM CAPACITY OF 35 TONNES. THEY GET COMPACTING JOBS DONE FAST, WITH BENEFITS IN TERMS OF SAFETY, ESPECIALLY WHEN USED IN A TRENCH, SINCE THERE IS NO NEED FOR THE OPERATOR TO BE DIRECTLY IN THE WORKING AREA, AND RESULTS ARE QUICK AND CLEAN.

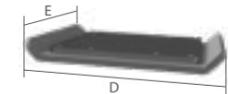


TONS (LB)	1,5 - 3,5 (3307 - 7716)		3 - 7 (6614 - 15432)		5 - 7 (11023 - 15432)		6 - 12 (13228 - 26456)		10 - 20 (22046 - 44093)		4 - 10 (8818 - 22046)		10 - 20 (22046 - 44093)		15 - 28 (33069 - 61729)		20 - 35 (44093 - 77162)	
	MOD.	PB201C	PB301C	PB 301.5C	PB401C	PB501C	PM202C	PM502C	PM602C	PM702C								
<b>A</b>	MM	540	720	720	795	875	660	835	945	1020								
	(IN)	(21,25)	(28,34)	(28,34)	(31,29)	(34,44)	(25,98)	(32,87)	(37,20)	(40,15)								
<b>B</b>	MM	230	310	320	340	390	340	500	500	540								
	(IN)	(9,05)	(12,20)	(12,59)	(13,38)	(15,35)	(13,38)	(19,68)	(19,68)	(21,25)								
<b>C</b>	MM	420	560	560	570	680	380	540	650	680								
	(IN)	(16,53)	(22,04)	(22,04)	(22,44)	(26,77)	(14,96)	(21,25)	(25,59)	(26,77)								
<b>D</b>	MM	600	700	700	800	800	700	800	1200	1200								
	(IN)	(23,62)	(27,55)	(27,55)	(31,49)	(31,49)	(27,55)	(31,49)	(47,24)	(47,24)								
<b>E</b>	MM	300	400	450	500	600	480	500	600	700								
	(IN)	(11,81)	(15,74)	(17,71)	(19,68)	(23,62)	(18,89)	(19,68)	(23,62)	(27,55)								
<b>W/O COUPLER</b>	KG	200	240	250	350	650	350	700	1000	1200								
	(LB)	(440,92)	(529,10)	(551,15)	(771,61)	(1433)	(772)	(1543,2)	(2204,62)	(2645,54)								
<b>OIL FLOWRATE</b>	L/MIN (GAL/MIN)	20 (5,28)	45 (11,88)	45 (11,88)	65 (17,17)	90 (23,77)	45 (11,88)	90 (23,77)	100 (26,41)	130 (34,34)								
<b>CENTRIFUGAL FORCE</b>	KG (LB)	1.500 (3306,94)	3.000 (6613,86)	4.500 (9920,80)	6.000 (13227,74)	9.000 (19841,6)	6.000 (13227,74)	10.000 (22046,23)	12.000 (26455,47)	24.000 (52910,94)								
<b>PRESSURE</b>	BAR (PSI)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	250 (3625,94)								
<b>BACKPRESSURE</b>	BAR (PSI)	7 (101,52)	7 (101,52)	7 (101,52)	7 (101,52)	7 (101,52)	7 (101,52)	7 (101,52)	7 (101,52)	7 (101,52)								
<b>VIBRATION RATE</b>	GIRI/MIN (RPM R/MIN)	2.000	2.000	2.000	2.000	2.000	2.200	2.200	2.200	2.200								

**ZUBEHÖR-PREISLISTE**

	MOD.	PB201C	PB301C	PB 301.5C	PB401C	PB501C	PM202C	PM502C	PM602C	PM702C
 OIL FLOW THROTTLE AND PRESSURE RELIEF VALVE		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	STANDARD	OPTIONAL	STANDARD	STANDARD	STANDARD

**ZUBEHÖR-PREISLISTE**



OPTIONAL PLATES	MM	PB201C	PB301C	PB 301.5C	PB401C	PB501C	PM202C	PM502C	PM602C	PM702C
<b>D x E</b>	600X300 MM 23,62X11,81 IN	OPZIONAL	-	-	-	-	-	-	-	-
<b>D x E</b>	600X350 MM 23,62X13,77 IN	OPZIONAL	-	-	-	-	-	-	-	-
<b>D x E</b>	600X400 MM 23,62X15,74 IN	OPZIONAL	-	-	-	-	-	-	-	-
<b>D x E</b>	600X450 MM 23,62X17,71 IN	OPZIONAL	-	-	-	-	-	-	-	-
<b>D x E</b>	600X500 MM 23,62X19,68 IN	OPZIONAL	-	-	-	-	-	-	-	-
<b>D x E</b>	700X400 MM 27,55X15,74 IN	-	OPZIONAL	-	-	-	-	-	-	-
<b>D x E</b>	700X450 MM 27,55X17,71 IN	-	OPZIONAL	OPZIONAL	-	-	-	-	-	-
<b>D x E</b>	700X480 MM 27,55X18,89 IN	-	-	-	-	-	OPZIONAL	-	-	-
<b>D x E</b>	700X500 MM 27,55X19,68 IN	-	OPZIONAL	OPZIONAL	-	-	OPZIONAL	-	-	-
<b>D x E</b>	700X600 MM 27,55X23,62 IN	-	OPZIONAL	OPZIONAL	-	-	OPZIONAL	-	-	-
<b>D x E</b>	800X500 MM 31,49X19,68 IN	-	-	-	OPZIONAL	-	-	OPZIONAL	-	-
<b>D x E</b>	800X600 MM 31,49X23,62 IN	-	-	-	OPZIONAL	OPZIONAL	-	OPZIONAL	-	-
<b>D x E</b>	800X700 MM 31,49X27,55 IN	-	-	-	OPZIONAL	OPZIONAL	-	OPZIONAL	-	-
<b>D x E</b>	800X800 MM 31,49X31,49 IN	-	-	-	OPZIONAL	OPZIONAL	-	OPZIONAL	-	-
<b>D x E</b>	800X1000 MM 31,49X39,37 IN	-	-	-	OPZIONAL	OPZIONAL	-	OPZIONAL	-	-
<b>D x E</b>	1200X600 MM 47,24X23,62 IN	-	-	-	-	-	-	-	OPZIONAL	OPZIONAL
<b>D x E</b>	1200X700 MM 47,24X27,55 IN	-	-	-	-	-	-	-	-	OPZIONAL
<b>D x E</b>	1200X800 MM 47,24X31,49 IN	-	-	-	-	-	-	-	-	OPZIONAL
<b>D x E</b>	1200X1000 MM 47,24X39,37 IN	-	-	-	-	-	-	-	-	OPZIONAL
<b>D x E</b>	1200X1200 MM 47,24X47,24 IN	-	-	-	-	-	-	-	-	OPZIONAL
<b>D x E</b>	1200X1500 MM 47,24X59,05 IN	-	-	-	-	-	-	-	-	OPZIONAL

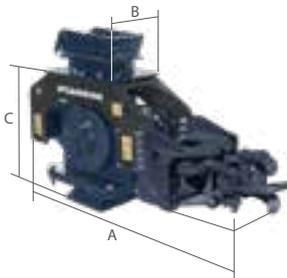


# PILE DRIVER WITH CLAMP PB-PM



COMPACTING PLATES CAN BE EQUIPPED WITH KITS FOR THE VIBRATORY DRIVING OF POLES – POLE-CENTRING COLLAR– AND CLAMP FOR GRIPPING WOOD OR CONCRETE-STEEL POLES. THIS COMPOUND TOOL IS IDEAL FOR LANDSLIP CONTAINMENT WORKS, FOR LAYING FENCES, IN AGRICULTURE FOR PLANTING VINEYARDS AND ORCHARDS, FOR PREPARING A SOLID FOUNDATION FOR PAVINGS, AND FOR MANY SIMILAR USES. THE ATTACHMENT IS COMPLETE WITH FIXED COUPLING TO THE MACHINE.

THE DOWNWARD PRESSURE APPLIED BY THE MACHINE PROVIDES THE FORCE NECESSARY FOR PILE-DRIVING. A SINGLE OPERATOR, WORKING FROM THE CAB OF THE EXCAVATOR, IS ABLE TO PICK UP THE POLE WITH THE HYDRAULIC CLAMP, POSITION IT, AND THEN DRIVE IT INTO THE GROUND USING THE VIBRATING SYSTEM, WITH UNBEATABLE SAFETY AND EFFICIENCY.



		TONS (LB)	3,5 - 5 (7716 - 11023)	5-7 (11023 - 15432)	6 - 12 (13227-26455)	10 - 20 (22046 - 44092)	4 - 10 (8818 - 22046)	10 - 20 (22046 - 44092)	15 - 28 (33069 - 61729)	20 - 35 (44092 - 77161)
		MOD.	PB 301B	PB 301.5B	PB 401B	PB 501B	PM 202B	PM 502B	PM 602B	PM 702B
<b>A</b>	MM		1300	1300	1400	1500	880	1500	1700	1800
	(IN)		(51,18)	(51,18)	(55,11)	(59,05)	(34,64)	(59,05)	(66,92)	(70,86)
	MM		550	550	550	750	780	750	750	750
<b>B</b>	(IN)		(21,65)	(21,65)	(21,65)	(29,52)	(23,62)	(29,52)	(29,52)	(29,52)
	MM		700	700	730	800	500	750	800	880
<b>C</b>	(IN)		(27,55)	(27,55)	(28,74)	(31,49)	(19,68)	(29,52)	(31,49)	(34,64)
	KG		350	360	470	800	400	850	1200	1400
	(LB)		(771,61)	(793,66)	(1036,17)	(1763,7)	(881,84)	(1873,93)	(2645,54)	(3086,47)
W/O COUPLER										
VIBRATING UNIT	MAX.	L/MIN (GAL/MIN)	45 (11,88)	45 (11,88)	65 (17,17)	90 (23,77)	45 (11,88)	90 (23,77)	100 (26,41)	130 (34,34)
GRAPPLE	MAX.	L/MIN (GAL/MIN)	10 (2,64)	10 (2,64)	10 (2,64)	15 (3,96)	10 (2,64)	15 (3,96)	15 (3,96)	15 (3,96)
CENTRIFUGAL FORCE		KG (LB)	3.000 (6613,86)	4.500 (9920,80)	6.000 (13227,74)	9.000 (19841,6)	6.000 (13227,74)	10.000 (22046,23)	12.000 (26455,47)	24.000 (52910,94)
VIBRATING UNIT		BAR (PSI)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	250 (3625,94)
GRAPPLE		BAR (PSI)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)
VIBRATION RATE		RPM R/MIN	2.000	2.000	2.000	2.000	2.200	2.200	2.200	2.200
BACKPRESSURE	MAX.	BAR (PSI)	7 (101,52)	7 (101,52)	7 (101,52)	7 (101,52)	7 (101,52)	7 (101,52)	7 (101,52)	7 (101,52)
CLAMP OPENING	MAX.	MM (IN)	250 (9,84)	250 (9,84)	250 (9,84)	420 (16,53)	220 (8,66)	420 (16,53)	420 (16,53)	420 (16,53)
CLAMP CLOSURE	MAX.	MM (IN)	0 (0)	0 (0)	0 (0)	100 (3,93)	0 (0)	100 (3,93)	100 (3,93)	100 (3,93)

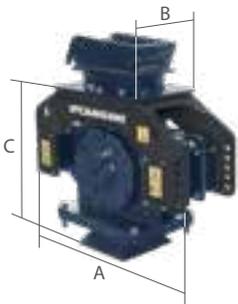
	PB 301B	PB 301.5B	PB 401B	PB 501B	PM 202B	PM 502B	PM 602B	PM 702B
OIL FLOW THROTTLE AND PRESSURE RELIEF VALVE	OPTIONAL	OPTIONAL	OPTIONAL	STANDARD	OPTIONAL	STANDARD	STANDARD	STANDARD



# PILE DRIVER WITHOUT CLAMP PB-PM



COMPACTING PLATES CAN BE EQUIPPED WITH KITS FOR THE VIBRATORY DRIVING OF POLES – POLE-CENTRING COLLAR. THIS TOOL IS IDEAL FOR LANDSLIP CONTAINMENT WORKS, FOR LAYING FENCES, AND IN AGRICULTURE FOR PLANTING VINEYARDS AND ORCHARDS. THE ATTACHMENT IS COMPLETE WITH FIXED COUPLING TO THE MACHINE. THE DOWNWARD PRESSURE APPLIED BY THE MACHINE PROVIDES THE FORCE NECESSARY FOR PILE-DRIVING.



		TONS	3,5 - 5 (7716 - 11023)	5-7 (11023 - 15432)	6 - 12 (13227-26455)	10 - 20 (22046 - 44092)	4 - 10 (8818 - 22046)	10 - 20 (22046 - 44092)	15 - 28 (33069 - 61729)	20 - 35 (44092 - 77161)
		MOD.	PB 301D	PB 301.5D	PB 401D	PB 501D	PM 202D	PM 502D	PM 602D	PM 702D
<b>A</b>	MM		720	720	800	880	600	840	850	1000
	(IN)		(28,34)	(28,34)	(31,49)	(34,64)	(23,62)	(33,07)	(33,46)	(39,37)
	MM		400	400	500	500	600	550	600	600
<b>B</b>	(IN)		(15,74)	(15,74)	(19,68)	(19,68)	(23,62)	(21,65)	(23,62)	(23,62)
	MM		580	700	700	800	480	700	800	880
<b>C</b>	(IN)		(22,83)	(27,55)	(27,55)	(31,49)	(31,49)	(27,55)	(31,49)	(34,64)
	KG		240	250	350	650	300	650	1000	1200
	(LB)		(529,10)	(551,15)	(771,61)	(1433)	(661,38)	(1433)	(2204,62)	(2645,54)
	W/O COUPLER									
	VIBRATING UNIT	MAX.	L/MIN	40	40	60	90	40	90	100
	(GAL/MIN)		(10,56)	(10,56)	(15,85)	(23,77)	(10,56)	(23,77)	(26,41)	(34,64)
	CENTRIFUGAL FORCE		KG	3.000	4.500	6.000	9.000	6.000	10.000	12.000
	(LB)		(6613,86)	(9920,80)	(13227,74)	(19841,6)	(13227,74)	(22046,23)	(26455,47)	(52910,94)
	VIBRATING UNIT		BAR	150	150	150	150	150	150	250
	(PSI)		(2175,57)	(2175,57)	(2175,57)	(2175,57)	(2175,57)	(2175,57)	(2175,57)	(3625,94)
	VIBRATION RATE		GIRI/MIN	2.000	2.000	2.000	2.000	2.200	2.200	2.200
	(RPM R/MIN)									
	BACKPRESSURE	MAX.	BAR	7	7	7	7	7	7	7
	(PSI)		(101,52)	(101,52)	(101,52)	(101,52)	(101,52)	(101,52)	(101,52)	(101,52)

		PB 301D	PB 301.5D	PB 401D	PB 501D	PM 202D	PM 502D	PM 602D	PM 702D
	OIL FLOW THROTTLE AND PRESSURE RELIEF VALVE	OPTIONAL	OPTIONAL	OPTIONAL	STANDARD	OPTIONAL	STANDARD	STANDARD	STANDARD

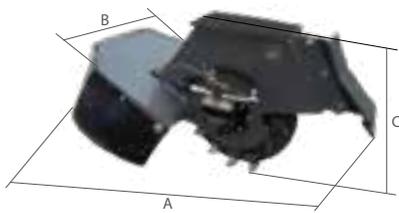


# STUMP GRINDER FC



FAST AND EFFECTIVE, THIS ATTACHMENT GRINDS STUMPS AND WOOD EVEN IN DEPTH; THE SHREDDING WHEEL SWINGS FROM SIDE TO SIDE AND GRADUALLY EATS INTO THE STUMP UNTIL IT HAS BEEN COMPLETELY ELIMINATED. THE DIRECT DRIVE WITH PISTON MOTOR DELIVERS THE HIGHEST CUTTING SPEED AND THUS OPTIMAL PRODUCTIVITY AND EFFICIENCY. THE TUNGSTEN CARBIDE TEETH ARE EXTREMELY TOUGH.

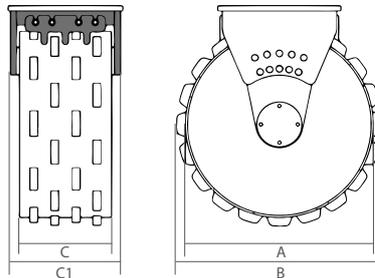
SPECIALLY DESIGNED FOR EXCAVATORS FROM 1.5 TO 13 TONNES IN THREE DIFFERENT MODELS, THIS STUMP GRINDER CAN ALSO BE USED ON DIFFICULT GRADIENTS. IDEAL FOR GRINDING EVEN STUMPS WITH PROBLEMATIC ACCESS, SUCH AS THOSE IN GARDENS AND PARKS. AN AGILE SOLUTION FOR GRINDING STUMPS OF ANY SIZE.



	TONS (LB)	1,5 - 4 (3306 - 8818)	4 - 8 (8818 - 17637)	8 - 13 (17637 - 28660)
<b>MOD.</b>		<b>FC11</b>	<b>FC21</b>	<b>FC31</b>
<b>A</b>	MM (IN)	650 (25,59)	800 (31,49)	1300 (51,18)
<b>B</b>	MM (IN)	500 (19,68)	550 (21,65)	650 (25,59)
<b>C</b>	MM (IN)	500 (19,68)	750 (29,52)	880 (34,64)
	KG (LB)	80 (176,37)	120 (264,55)	150 (330,69)
W/O COUPLER	BAR (PSI)	250 (3625,94)	250 (3625,94)	250 (3625,94)
PRESSURE	BAR (PSI)	7 (101,52)	7 (101,52)	7 (101,52)
BACKPRESSURE MAX.	L/MIN (GAL/MIN)	25 (6,60)	40 (10,56)	80 (21,13)
OIL FLOWRATE	MM (IN)	360 (14,17)	450 (17,71)	600 (23,62)
WHEEL DIAMETER	TEETH	16	20	28



DESIGNED FOR COMPACTING THE BOTTOMS AND INFILLS OF TRENCHES, THIS ATTACHMENT PROVIDES A SOLID, UNIFORM SURFACE THAT LASTS OVER TIME. FITTED WITH TAPERED ROLLER BEARINGS, WHEEL COMPACTORS ARE DESIGNED TO ENSURE UNIFORM OPERATION, FAVOURING A HIGH DEGREE OF COMPACTING. AVAILABLE IN 4 VARIANTS FROM A MINIMUM OF 1.5 TONNES UP TO A MAXIMUM OF 20 TONNES. THE HIGH STRENGTH STEEL AND HARDWEARING BEARINGS ENSURE A LONG ATTACHMENT LIFETIME. THE ATTACHMENT IS COMPLETE WITH FIXED COUPLING TO THE MACHINE.



TONS (LB)		1,5 - 4 (3306,93 - 8818,49)				4 - 8 (8818,49 - 17637,00)				8 - 14 (17637,00 - 30864,70)				14 - 20 (30864,70 - 44092,50)							
MOD.		RC1				RC2				RC3				RC4							
<b>A</b>	MM	400				500				600				900							
	(IN)	(15,74)				(19,68)				(23,62)				(35,43)							
<b>B</b>	MM	500				600				700				1000							
	(IN)	(19,68)				(23,62)				(27,55)				(39,37)							
<b>C</b>	MM	200	400	500	300	400	500	600	800	300	400	500	600	800	1.000	300	400	500	600	800	1.000
	(IN)	(7,87)	(15,74)	(19,6)	(11,8)	(15,7)	(19,6)	(23,6)	(31,4)	(11,8)	(15,74)	(19,68)	(23,6)	(31,4)	(39,3)	(11,8)	(15,74)	(19,6)	(23,6)	(31,4)	(39,3)
<b>C1</b>	MM	290	490	590	390	490	590	690	890	390	490	590	690	890	1.090	390	490	590	690	890	1.090
	(IN)	(11,4)	(19,2)	(23,2)	(15,3)	(19,2)	(23,2)	(27,1)	(35,0)	(15,3)	(19,2)	(23,2)	(27,1)	(35,0)	(42,91)	(15,3)	(19,2)	(23,2)	(27,1)	(35,0)	(42,9)
<b>Kg</b> W/O COUPLER	KG	280	300	320	310	320	330	340	360	310	320	330	340	360	700	650	700	750	800	900	1.000
	(LB)	(617,2)	(661,3)	(705,4)	(683,4)	(705,4)	(727,5)	(749,5)	(793,6)	(683,4)	(705,4)	(727,5)	(749,5)	(793,6)	(1543,2)	(143)	(1543,2)	(1653,4)	(1763,7)	(1984,1)	(2204,6)



# FRONT-MOUNTED PLATE COMPACTOR



SKID LOADER



MINI SKID  
LOADER



WHEEL LOADER



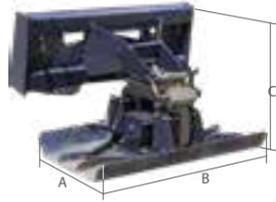
BACKHOE LOADER



TELEHANDLER



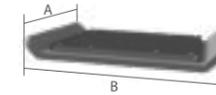
DESIGNED TO COMPACT ANY SURFACE, THE PLATE COMPACTOR IS PARTICULARLY USEFUL FOR COMPACTING ROAD PAVING MATERIAL AND FOUNDATIONS AND FOR CREATING CYCLE TRACKS AND PAVEMENTS. IT PROVIDES A SOLID, UNIFORM SURFACE THAT LASTS OVER TIME.



	MOD.	PB201F	PB301F	PB301.5F	PB401F	PM202F	PM502F		
	W/O COUPLER	KG (LB)	420 (925,94)	470 (1036,17)	500 (1102,31)	600 (1322,77)	500 (1102,31)	970 (2138,48)	
		OIL FLOWRATE	L/MIN (GAL/MIN)	20 (5,28)	45 (11,88)	45 (11,88)	65 (17,17)	45 (11,88)	90 (23,77)
			CENTRIFUGAL FORCE	KG (LB)	1.500 (3306,94)	3.000 (6613,86)	4.500 (9920,80)	6.000 (13227,74)	6.000 (13227,74)
	PRESSURE	BAR (PSI)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	150 (2175,57)	
		BACKPRESSURE	BAR (PSI)	7 (101,52)	7 (101,52)	7 (101,52)	7 (101,52)	7 (101,52)	
	VIBRATION RATE	GIRI/MIN (RPM R/MIN)	2.000	2.000	2.000	2.000	2.200	2.200	

	PB201F	PB301F	PB301.5F	PB401F	PM202F	PM502F
OIL FLOW THROTTLE AND PRESSURE RELIEF VALVE	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	STANDARD
COUPLING SYSTEM FOR WHEEL LOADERS, BACKHOE LOADERS AND TELEHANDLERS	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL

## OPTIONAL PLATES



	MM	PB201F	PB301F	PB301.5F	PB401F	PM202F	PM502F
<b>B x A</b>	600X300 MM 23,62X11,81 IN	OPTIONAL					
	600X350 MM 23,62X13,77 IN	OPTIONAL					
<b>B x A</b>	600X400 MM 23,62X15,74 IN	OPTIONAL					
	600X450 MM 23,62X17,71 IN	OPTIONAL					
<b>B x A</b>	600X500 MM 23,62X19,68 IN	OPTIONAL					
	700X400 MM 27,55X15,74 IN		OPTIONAL				
<b>B x A</b>	700X450 MM 27,55X17,71 IN		OPTIONAL	OPTIONAL			
	700X480 MM 27,55X18,89 IN					OPTIONAL	
<b>B x A</b>	700X500 MM 27,55X19,68 IN		OPTIONAL	OPTIONAL		OPTIONAL	
	700X600 MM 27,55X23,62 IN		OPTIONAL	OPTIONAL		OPTIONAL	
<b>B x A</b>	700X700 MM 27,55X27,55 IN		OPTIONAL	OPTIONAL		OPTIONAL	
	700X800 MM 27,55X31,49 IN			OPTIONAL		OPTIONAL	
<b>B x A</b>	700X1000 MM 27,55X39,37 IN					OPTIONAL	
	700X1100 MM 27,55X43,30 IN					OPTIONAL	
<b>B x A</b>	800X500 MM 31,49X19,68 IN				OPTIONAL		OPTIONAL
	800X600 MM 31,49X23,62 IN				OPTIONAL		OPTIONAL
<b>B x A</b>	800X700 MM 31,49X27,55 IN				OPTIONAL		OPTIONAL
	800X800 MM 31,49X31,49 IN				OPTIONAL		OPTIONAL
<b>B x A</b>	800X1000 MM 31,49X39,37 IN				OPTIONAL		OPTIONAL
	800X1100 MM 31,49X43,30 IN				OPTIONAL		OPTIONAL
<b>B x A</b>	800X1200 MM 31,49X47,24 IN						OPTIONAL



# VIBRATING ROLLER COMPACTOR



SKID LOADER



MINI SKID LOADER



WHEEL LOADER



BACKHOE LOADER



TELEHANDLER



IN ROADWORKS, ON DEMOLITION AND CONSTRUCTION SITES AND IN PAVING WORKS, THE VIBRATING ROLLER COMPACTOR DOES THE JOB QUICKLY BUT WITH LASTING RESULTS. EXCEPTIONAL COMPACTING FORCE, HIGH PRECISION AND EASE OF USE ARE THE KEY FEATURES OF THIS COMPACT, VERSATILE ATTACHMENT. ITS ROLLER MECHANISM COMPACTS SOIL, ASPHALT OR CONCRETE WITH HIGH PERFORMANCE AND POWER, THANKS TO ITS SMOOTH DRUM, PARTICULARLY SUITABLE FOR COMPACTING PRIOR TO ROAD SURFACING. AVAILABLE IN 4 DIFFERENT WIDTHS TO MEET ALL REQUIREMENTS.



	MOD.	MR160	MR170	MR180	MR200	
A	MM	1600	1700	1800	2000	
	(IN)	(62,9)	(66,9)	(70,86)	(78,7)	
	MM	600	600	600	600	
B	(IN)	(23,62)	(23,62)	(23,62)	(23,62)	
	MM	700	700	700	700	
C	(IN)	(27,55)	(27,55)	(27,55)	(27,55)	
	KG	620	660	700	800	
Kg	(LB)	(1366,87)	(1455,05)	(1543,24)	(1763,70)	
	W/O COUPLER					
((t-))	VIBRATION RATE	GIRI/MIN (RPM R/MIN)	2000	2000	2000	2000
	⊙	CENTRIFUGAL FORCE	KG (LB)	1500 (3306,9)	1500 (3306,9)	1500 (3306,9)
⚙️		OIL FLOWRATE	L/MIN (GAL/MIN)	45 (11,88)	45 (11,88)	45 (11,88)

	MR160	MR170	MR180	MR200
COUPLING SYSTEM FOR WHEEL LOADERS, BACKHOE LOADERS AND TELEHANDLERS	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL

# 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.