





**Operators cabin** with large windows for a better visibility. The front window, with double wiper, opens, completely disappearing under the top of the cab.

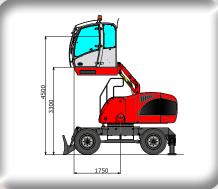
The rotating orange light is standard. Working light standard fitted on the top of the cab guarantee a good visibility also during the darker hours of the day. It is possible, as option, to fit extra working halogen/xenon lights.

The clear visual instrumentation panel allows monitoring of all machines functions: engine rpm, engine liquid temperature, fuel level, engine oil pressure light, batteries voltage indicator, lights for air filter and hydraulic oil filter clogging, total an partial hour counter. There are also controls dedicated to auxiliary functions.









**As option:** Operators cabin with hydraulic parallelogramme elevation has a 4,50 m high reach (operator's eye).

The new EXP 5015 is a machine specifically developed for the material handling activities and with a new eye-catching design.

The new EXP5015 is available from 7 to 9 meters reach and all the possible attachments for the material handling sectors: grabs for scrap, orange peel grabs, magnet plates, grab for logs, clamshell grabs etc.

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**As standard:** Operators cabin with hydraulic vertical elevation has a 4 m high reach (operator's eye).

The new EXP5015 is the most equipped machine in its sector, the standard configuration is almost complete: working lights over the cabin, handrails and safety steps, front window screen protection, overload warning device, break valves on all the cylinders.

The other optional available, are also useful for a comfortable and safe use of the machine: radio cd player, anti-theft, automatic

greasing system, air conditioning, total cabin protection, rear camera on counterweight with 7" coloured display into the cabin, host cylinder's rod protection, protection for the transmission on undercarriage, generator system, etc...



**As option:** Rear camera on counterweight with 7" color display into the cabin. It's also possible to fit a camera on the secondary stick.





Large radiators, in aluminium with large-meshes and a the new thermostatic controlled cooling fan with (as option) automatic reversible rotation, increase the radiators cleanness, reduce fuel consumption and noises. It also speeds up the heating of the engine and hydraulic oil, and it anticipates the cabin heating.

**Wide anti-slip steps** and handles provide ergonomic position to ensure an easy climb.

The new EXP 5015 is environmentally friendly. The new engine 3.6L4T4i (Tier 4i) with catalyst DVERT®, ensures low environmental impact, reduced noise and vibration, low maintenance costs and low fuel consumption.

The **new cooling fan** with thermostatic control, reduces noises considerably and keeps the fluids always at the ideal temperature for a significant

decrease in fuel consumption
As option, it is possible to install
a device that reverses the rotation of the fan to "blow"
on the radiators and
keep them clean.

The new EXP5 015 was designed for making easier as possible all the operations of maintenance. The large bonnets, with gas struts, can be easily raised and opened to make a quick and effective maintenance, all while preserving the safety of the operator.

The intervals of maintenance and support of the new EXP 5015 have been extended to reduce maintenance time, increase machine availability and reduce operating costs.

The majority of the grease points are easily accessible from the ground.



**Anti-skid** plates to prevent slipping during maintenance work, improving safety.

**The step** is manually removable for easy access and cleaning of the radiators.







For the slew ring and arms is available (as option) a programmable automatic greasing system.

The new EXP 5015 is more secure; wide anti-slip plates covering the upper structure to prevent slipping during maintenance work and for improving safety. Non-slip steps and handrails loose facilitate the ascent and descent of the operator from the machine.

The new EXP 5015 (in accordance with EU directive 2006/42/EC) comes standard with the "OWD" (Overload Warning Device) system that alerts the operator with a visual and acoustic signal on the dashboard when the machine has exceeded



**Centralized automatic greasing system** (as option), to make easier service operations.

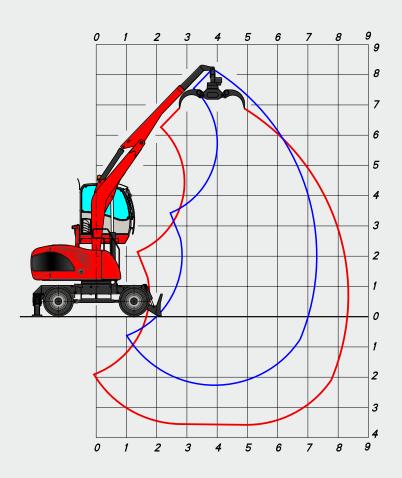


**Generator** for electromagnet driven by a hydraulic motor and mounted on silent blocks





### All technology at operator's service



**AT7:** Gooseneck boom 4,00 m

**Telescopic stick** 2,50 - 3,40 m

#### **OPERATING WEIGHT:**

16.500 kg

OPERATING WEIGHT WITH, FRONT BLADE OUTRIGGERS, FULL RUBBER TYRES, GOOSENECK BOOM 4,00 m, TELESCOPIC STICK 2,5 - 3,4 m, R 190 logs grab and rotator.

### LIFTING CAPACITIES TONS

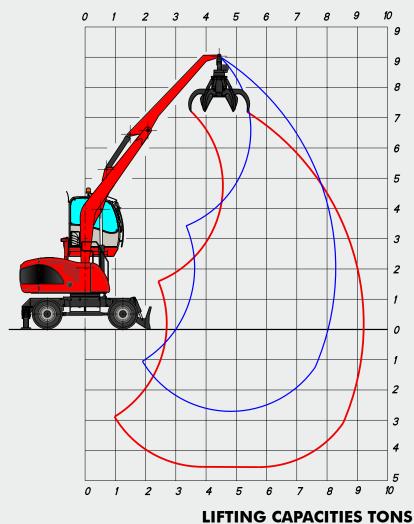
LIFTING RANGE (m)

HEIGHT	CONF.		3,00			4,00			5.00			6,00			7,30	
METRES	,	≱	0	0	≱	0	0	≱	0	0	≱	0	0	≱	0	0
6.0	00							3,55*	3,55*	3,09	3,63*	3,45	2,59			
6,0	工口							3,55*	3,55*	3,09	3,63*	3,63*	3,16			
4,5	00				4,59*	4,59*	3,99	3,65*	3,65*	3,18	3,53*	3,47	2,60			
4,3	工口				4,59*	4,59*	3,99	3,65*	3,65*	3,18	3,53*	3,53*	3,07			
2.0	00	6,64*	6,64*	5,78	4,60*	4,60*	4,00	4,09*	4,09*	3,31	3,74*	3,37	2,53			
3,0	工口	6,64*	6,64*	5,78	4,60*	4,60*	4,00	4,09*	4,09*	3,56	3,74*	3,74*	3,25			
1.5	00	7,34*	7,34*	6,38	5,61*	5,61*	4,30	4,65*	4,19	3,15	4,03*	3,25	2,44	3,29	2,48	1,86
1,5	工口	7,34*	7,34*	6,38	5,61*	5,61*	4,88	4,65*	4,65*	4,04	4,03*	4,03*	3,50	3,40*	3,40*	2,96
0,0	00	8,44*	8,17	6,13	6,26*	5,42	4,06	5,01*	4,01	3,01	4,17*	3,15	2,36			
0,0	工口	8,44*	8,44*	7,34	6,26*	6,26*	5,45	5,01*	5,01*	4,36	4,17*	4,17*	3,63			
-1,5	00	8,19*	8,00	6,00	6,17*	5,30	3,97	4,84*	3,93	2,95	3,75*	3,12	2,34			
-1,5	工口	8,19*	8,19*	7,13	6,17*	6,17*	5,36	4,84*	4,84*	4,21	3,75*	3,75*	3,26			

ightharpoonup lifting capacities on Longitudinal axis ightharpoonup lifting capacities on 360° without safety factor ightharpoonup lifting capacities on 360° according with ISO 10567

LIFTING CAPACITIES ARE ON HOOK WITHOUT GRABS, MACHINE STATIC, LEVEL SOLID GROUND, WITH AXLE LOCKED.





AF8: Gooseneck boom 5,00 m

**Industrial stick** 3,40 m

#### **OPERATING WEIGHT:**

17.400 kg

OPERATING WEIGHT WITH FRONT BLADE, OUTRIGGERS, FULL RUBBER TYRES, GOOSENECK BOOM 5.00 M, INDUSTRIAL STICK 3.40 M, RV 320 ORANGE PEEL GRAB WITH ROTATOR.

LIFTING RANGE (m)

HEIGH	T CONF.		4,00			5,00			6.00			7,00			8,00			8,30	
METRES	5	≱	0	0	≱	0	0	≱	0	0	≱	0	0	≱	0	0	≱	0	0
6,0	Д 00							-	3,09* 3,09*	•	3,04* 3,04*	-	2,10 2,65						
4,5	Д ОО							-	3,24* 3,24*	•	3,06* 3,06*	-	2,08 2,66						
3,0	Д 00				4,03* 4,03*	4,03* 4,03*		-	3,55* 3,55*	•	3,22* 3,22*	-	2,02 2,80	2,92 2,99*	•	1,66 2,60			
1,5	Д 00		5,50 5,69*	•	4,57* 4,57*			3,87* 3,87*	3,21 3,87*		3,40* 3,40*		1,95 2,96	2,87 3,04*	2,16 3,04*		-	2,06 2,93*	1,55 2,53
0,0	ТГ 00		5,22 6,17*	•	4,90* 4,90*	•	•		3,08 4,07*		3,49* 3,49*		1,90 3,03		2,13 2,93*	1,60 2,55			
-1,5	Т <u>Г</u>	-	5,11 6,06*	•	4,85* 4,85*	•	•	3,99* 3,99*	3,03 3,99*	•	3,28* 3,28*	-	1,88 2,86						

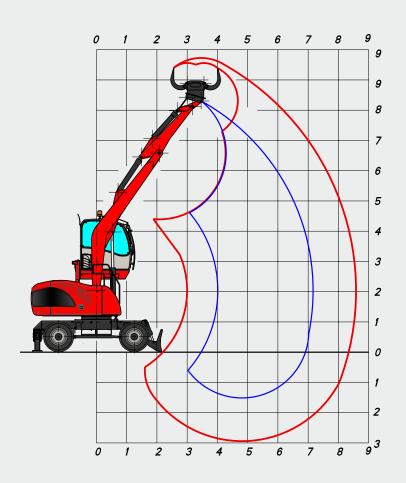
LIFTING CAPACITIES ON LONGITUDINAL AXIS O LIFTING CAPACITIES ON 360° WITHOUT SAFETY FACTOR O LIFTING CAPACITIES ON 360° ACCORDING WITH ISO 10567

LIFTING CAPACITIES ARE ON HOOK WITHOUT GRABS, MACHINE STATIC, LEVEL SOLID GROUND, WITH AXLE LOCKED.

<sup>\*=</sup> HYDRAULIC LIMIT



### All technology at operator's service



**AS8: Gooseneck boom** 5,00 m

**Selector arm** 2,2 m

#### **OPERATING WEIGHT:**

17.200 kg

OPERATING WEIGHT WITH, FRONT BLADE, OUTRIGGERS, FULL RUBBER TYRES, GOOSE-NECK BOOM 5,00 m, SELECTOR ARM 2,20 m, RSG 450F SELECTOR GRAB AND ROTATOR.

### LIFTING CAPACITIES TONS WITH "HD" UNDERCARRIAGE

LIFTING RANGE (m)

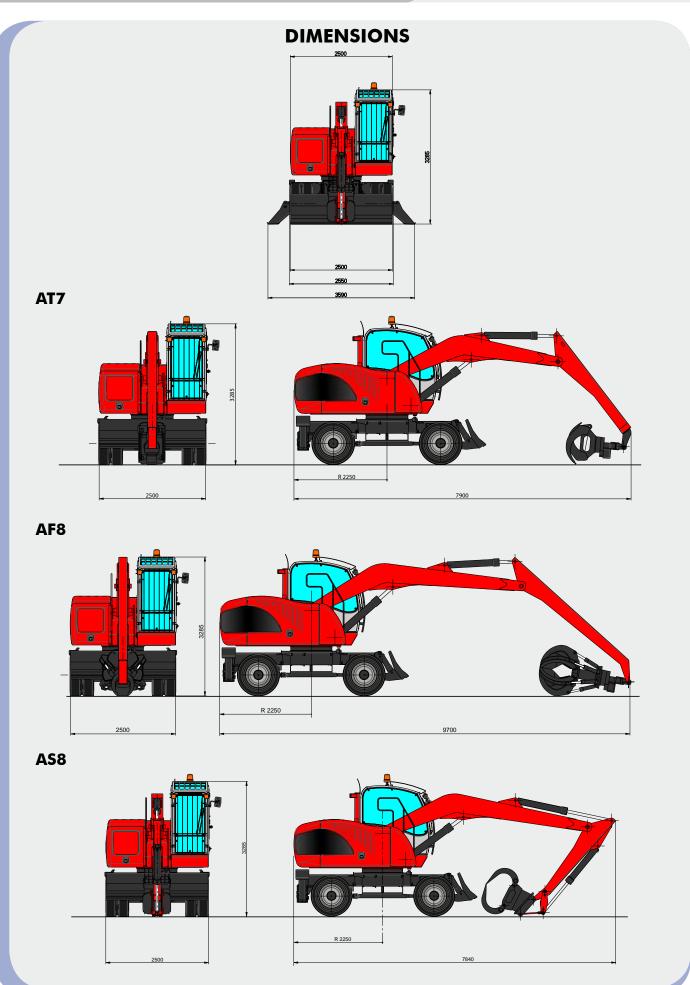
	T CONF.		4,00			5,00			6.00			7,00			7,20	
METRE	ES .	≱	0	0	≱	0	0	≱	0	0	≱	0	0	≱	0	0
7,0	00				3,46*	3,46*	2,78									
-,0	工口				3,46*	3,46*	3,01									
6,0	00				3,33*	3,33*	2,81									
0,0	上 □				3,33*	3,33*	2,90									
F 0	00	3,75*	3,75*	3,26	3,43*	3,43*	2,77	3,24*	2,92	2,19						
5,0	_ Т Г	3,75*	3,75*	3,26	3,43*	3,43*	2,99	3,24*	3,24*	2,82						
4.0	00	4,19*	4,19*	3,53	3,65*	3,60	2,70	3,32*	2,88	2,16						
4,0		4,19*	4,19*	3,64	3,65*	3,65*	3,17	3,32*	3,32*	2,89						
2.0	00	4,81*	4,81*	3,50	3,93*	3,51	2,63	3,46*	2,81	2,11	3,05	2,32	1,74			
3,0		4,81*	4,81*	4,18	3,93*	3,93*	3,42	3,46*	3,46*	3,01	3,16*	3,16*	2,75			
2.0	00	5,42*	4,71	3,53	4,21*	3,44	2,58	3,58*	2,75	2,06	3,02	2,29	1,72	2,94	2,23	1,67
2,0	一工口	5,42*	5,42*	4,72	4,21*	4,21*	3,66	3,58*	3,58*	3,12	3,17*	3,17*	2,76	3,10*	3,10*	2,70
10	00	5,78*	4,76	3,57	4,41*	3,41	2,56	3,66*	2,70	2,03	3,00	2,26	1,70			
1,0	一工 口	5,78*	5,78*	5,03	4,41*	4,41*	3,83	3,66*	3,66*	3,18	3,12*	3,12*	2,72			
	00	5,77*	4,76	3,57	4,42*	3,39	2,54	3,57	2,68	2,01						
0,0	一工口	5,77*	5,77*	5,02	4,42*	4,42*	3,85	3,62*	3,62*	3,15						

 $\stackrel{>}{\Rightarrow}$  lifting capacities on longitudinal axis  $\stackrel{\frown}{\bigcirc}$  lifting capacities on 360° without safety factor  $\stackrel{\frown}{\bigcirc}$  lifting capacities on 360° according with ISO 10567

LIFTING CAPACITIES ARE ON HOOK WITHOUT GRABS, MACHINE STATIC, LEVEL SOLID GROUND, WITH AXLE LOCKED.

<sup>\*=</sup> HYDRAULIC LIMIT







#### **TECHNICAL DATA EXP 5015**

#### **DIESEL ENGINE**

TCD 3.6 L4 T4i – TIER 4i – Ecological with catalytic converter DVERT® and emissions controlled with electronically controlled injection - 4 cylinders in-line - turbocharged with intercooler air/air - common rail - direct injection - water cooled - electric starting system 24 V -

displacement 3600 cm3

Power: 74 kW (101 CV) @ 2300 rpm

Max torque: 410 Nm @ 1600 rpm

Tank capacity: 220 l

#### **HYDRAULIC SYSTEM**

Open "LOAD SENSING" circuit constituted by a variable displacement axial pump, with automatic flow setting, connected to the Diesel engine, feeding a distributor block composed by 7 elements, with high pressure control valves and anti-choc valves on each element.

Max. flow: 163 l/min
Max. hydraulic pressure: 280 bar
Hydraulic tank capacity: 200 l
Hydraulic circuit capacity: 250 l

Additional pumps for auxiliary services. Hydraulic oil cooling by means aluminium large mesh heat exchanger combined with engine and intercooler radiator. Automatic reversible fan for radiator cleaning (as option).

LOAD SENSING system distributor block with simultaneous movements independent of the load and without interaction with synchronised control of all functions.

#### **TRAVEL**

Hydrostatic with 4 wheel drive by means of a variable displacement hydraulic axial piston motor mounted on a two speed gearbox hydraulically operated from the cab coupled to the rear axle

Travel controlled by two separate pedals (one for each travelling direction).

Travel speed (in both directions)

Working speed: from 0 to 5 km/h Travel speed: from 0 to 12 km/h

Differential axles 2,50 m wide with planetary reduction gears on the hubs.

Braking valve integrated on the hydraulic motor.

#### **STEERING**

Hydraulic steering system powered by an independent pump. The front floating steering axle can be hydraulically locked from the cabin in any position.

#### **BRAKES**

SERVICE BRAKES: disk brake on the driveshaft.
PARKING AND EMERGENCY BRAKES: hydraulically released disk-type brake mounted on driveshaft.

#### **TYRES**

Nr 8 "Superelastic" full rubber tyres with rubber spacer rings

- 9.00x20

On request twinned tyres

- 9.00x20 - 14P.R.

#### **SWING SYSTEM**

Unlimited rotation in both directions by means of an axial piston hydraulic motor with integrated control valve, splined to a double stage reduction gear with oil bath gears. - Anti-shock valves protect the system.

High diameter double row ball bearing ring with internal teeth.

Automatic greasing system

Max rotation speed: 9 rpm Overall dimensions of rotating turret: 2,25 m

#### **OPERATOR'S CAB**

Hydraulically vertical raising operated driver's cab installed on silent block with large windows of tinted heat resistant safety glass; front sliding window, and lateral opening window. Winter heating and summer ventilation installed as standard; on request can be installed an air conditioning system. Radio preset. Double windscreen wiper with washer.

Adjustable operator's seat in its entirety with hydraulic joysticks incorporated in its arms.

#### **CONTROLS**

 $N^{\circ}$  2 hydraulically controlled joysticks to carry out four operations each with electric pushbuttons incorporated. Electro switch for front blade, outriggers, grab rotator, dipper telescopic extension. Electro hydraulic devices for controlling gear box, parking brakes, hydraulic raising of the cab, front axle oscillation lock.

Analogical instruments for checking all the functions as fuel level, engine temperature, hour counter, engine speed indicator, ecc...

#### **ARMS**

With reach from 7 to 9 metres.

#### **SOUND LEVELS**

SOUND LEVELS (EEC Directive 2000/14/CE) Inside cab LpA 76 dB (A)

#### **ELECTROMAGNETIC COMPATIBILITY**

In accordance with CE Directive (Dir. 2004/108/CE)

#### **OVERLOAD WARNING DEVICE**

In accordance with CE directive (Dir 2006/42/CE) this device provides to check the crane stability while loading in accordance with loads and distances (as standard). When the stability limits are reached, acoustical and optical warning advise danger conditions before the automatic lock of movements.

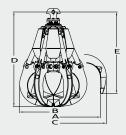


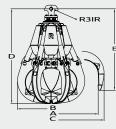
### **ACCESSORIES**

Accessories	As standard	As optional
- $N^{\circ}$ 8 twinned solid rubber tyres with spacer rubber rings	•	
- Gear and cardan joint protection		•
- Hydraulic vertical raising cab	•	
- Hydraulic parrallelogram raising cab		•
- Front window screen protection	•	
- Fixed extension under cabin 500 mm		•
- "Grand comfort" operator seat	•	
- Air-conditioning system		•
- Air-conditioning filter with activated charcoal		•
- Radio cd player		•
- Radio cd player with Bluetooth®		•
- Two working lights over the cabin	•	
- Two working Xenon lights over the cabin		•
- Total protection for the cabin		•
- Automatic greasing system for the upperstructure		•
- Widenings for front dozer blade		•
- Thermostatic fan	•	
- Thermostatic automatic reversible fan		•
- Generator system		•
- Working lights on dipper stick	•	
- Working Xenon lights on dipper stick		•
- Hoist cylinder's rods protection		•
- Safety valves on all the cylinders	•	
- Overload warning device	•	
- Working lights on upperstructure		•
- Towing hook		•
- Locking arch for long logs on boom and/or stick		•
- Steering on joystick		•
- Catalytic muffler	•	
- Additional heating system for cold weather countries		•
- Camera with 7" coloured display into the cabin		•
- Fuel and hydraulic oil refilling pumps		•
- Variable displacement travel motor		•
- Anti-theft "MED" Immobilizer device		•



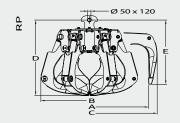
### **ORANGE PEEL GRABS FOR SCRAP**

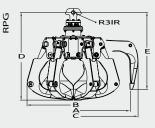






Model	Capacitu	Tines	Weight	Nb of Tines	Dimensions in mm								
Modet	Capacity	rines	weight	ND OF TIMES	Α	В	С	D	E				
RV320	320l	P - PA - S - SL	620 kg	5	1680	1170	1800	1320	1100				
RV320	320l	P - PA - S - SL	680 kg	6	1680	1170	1800	1320	1100				
RVG400	400l	P - PA - S - SL	1000 kg	5	1750	1240	1960	1750	1510				
RVG400	400l	P - PA - S - SL	1090 kg	6	1750	1240	1960	1750	1510				

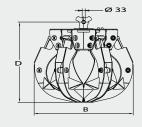


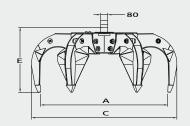




Model	Capacity	Tines	Weight	Nb of Tines		Dimensions in mm							
Model	Сарасісу	Tilles	weight	ND OF TIMES	Α	В	С	D	E				
RP380	380l	P - PA - S - SL	830 kg	6	1780	1370	2015	1145	930				
RP380	380l	P - PA - S - SL	780 kg	5	1780	1370	2015	1145	930				
RPG380	380l	P - PA - S - SL	920 kg	6	1780	1370	2015	1410	1195				
RPG380	380l	P - PA - S - SL	870 kg	5	1780	1370	2015	1410	1195				

### **ORANGE PEEL GRABS FOR WASTE**

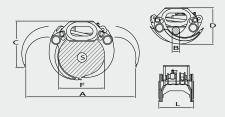




Model	Capacity	Tines	Weight	Nb of Tines		Dime	ensions i	n mm	
Modet	Сарасісу	Tilles	weight	IND OF TIMES	Α	В	С	D	E
RR560	560l	P - PA - S - SL	660 kg	5	200	1310	2110	1460	1110

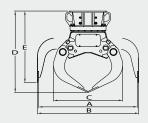


### **LOGS GRAPPLES**

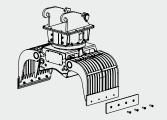


Model	Area	Lifting	Weight			Dimensio	ns in mm		
Model	Aica	capacity	Weight	Α	В	C	D	L	F
R50/401	0,40 m <sup>2</sup>	3000 kg	405 kg	1900	140	810	670	640	800
SG420	0,42 m <sup>2</sup>	5500 kg	320 kg	2075	120	848	649	510	-
SG520S	0,52 m <sup>2</sup>	7000 kg	420 kg	2322	170	886	747	514	-
R50/604	0,60 m²	4000 kg	800 kg	2160	230	890	890	920	900

### **SELECTOR GRAB**

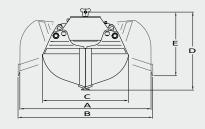


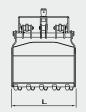




Model	Capacitu	Tipe Force	Weight	Dimensions in mm									
Model	Capacity	Tine Force	weight	Α	В	С	D	Ε	L				
RSG450F	260 l	330 daN	780 kg	1800	1840	1110	1180	960	700				

### **CLAMSHELL BUCKETS**

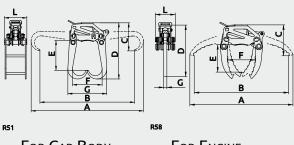




Model	Capacity	Tine Force	Weight	Dimensions in mm									
Model	Capacity	Tille Force	weight	Α	В	C	D	E	L				
R41/500	480 l	3950 daN	465 kg	1650	1740	1140	940	780	1020				
R41/700	500 l	4400 daN	680 kg	1990	2070	1270	1230	1070	840				
R41/1000	750 l	4060 daN	830 kg	2140	2220	1400	1320	1100	1020				



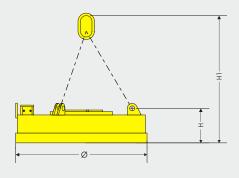
### **SPECIAL BUCKETS**



For Car Body	For Engine

Model	Load	Tooth	Weight				Dimensio	ns in mm			
Model	capacity	Force	weight	Α	В	C	D	Ε	F	G	L
R51	2000 kg	1540 kg	250 kg	2400	2020	600	1200	640	630	830	480
R58	1000 kg	1940 kg	260 kg	1980	1810	590	990	530	520	60	380

### **MAGNET PLATES**

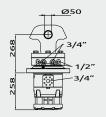


Model	Absorbed power at 20° C	Nominal Voltage	Weight	Ø	н	H1	Hot tear strength (1) Δ= Ø300	Hot Lifting Capacity (2)			Hot Lifting Capacity (3)		
								Slabs or blocks	Drop Ball	Cast Iron Pigs	Scrap		
											3A	24	24 40
	kW	Vcc	kg	mm	mm	mm	kg	kg	kg	kg	kg	kg	kg
ECS 720	3	220	290	720	215	910	5500	2700	950	105	80	70	40
ECS 900	4	220	450	450	225	920	7900	3900	1380	160	150	130	70
MRS 850	4,4	220	480	850	280	975	8200	4100	1700	200	170	160	80

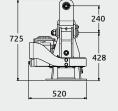
- (1) Determined in accordance with VDE 0580 § 36
- (2) Determined in accordance with VDE 0580 § 36.
   (3) Determined in accordance with VDE 0580 § 44.2-6.

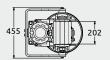


### **HYDRAULIC ROTATORS**

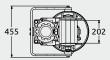














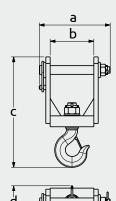
R3IR

**GI 60 AF** 

**GI 60 AR** 

Model	Lifting capacity	Weight	Couple	Pressure	Olio flow
R3IR	7 t	125 kg	210 daN.m	190 bar	25 l/min
GI 60 AF	5 t	200 kg	310 daN.m	100 bar	40 l/min
GI 60 AR	5 t	210 kg	310 daN.m	100 bar	40 l/min

### **LIFTING HOOK**



## Lifting Hook

Model	Lifting capacity	Maiabb	Dimensions in mm					
Model		Weight	a	b	С	d		
7.5 T	7500 kg	50 kg	325	200	510	140		



Viale delle industrie, 9 45100 ROVIGO - ITALY phone +39 0425 474833 fax +39 0425 475548 www.solmec.it solmec@solmec.it