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**Pagani**

*Setting the pace since 1953*

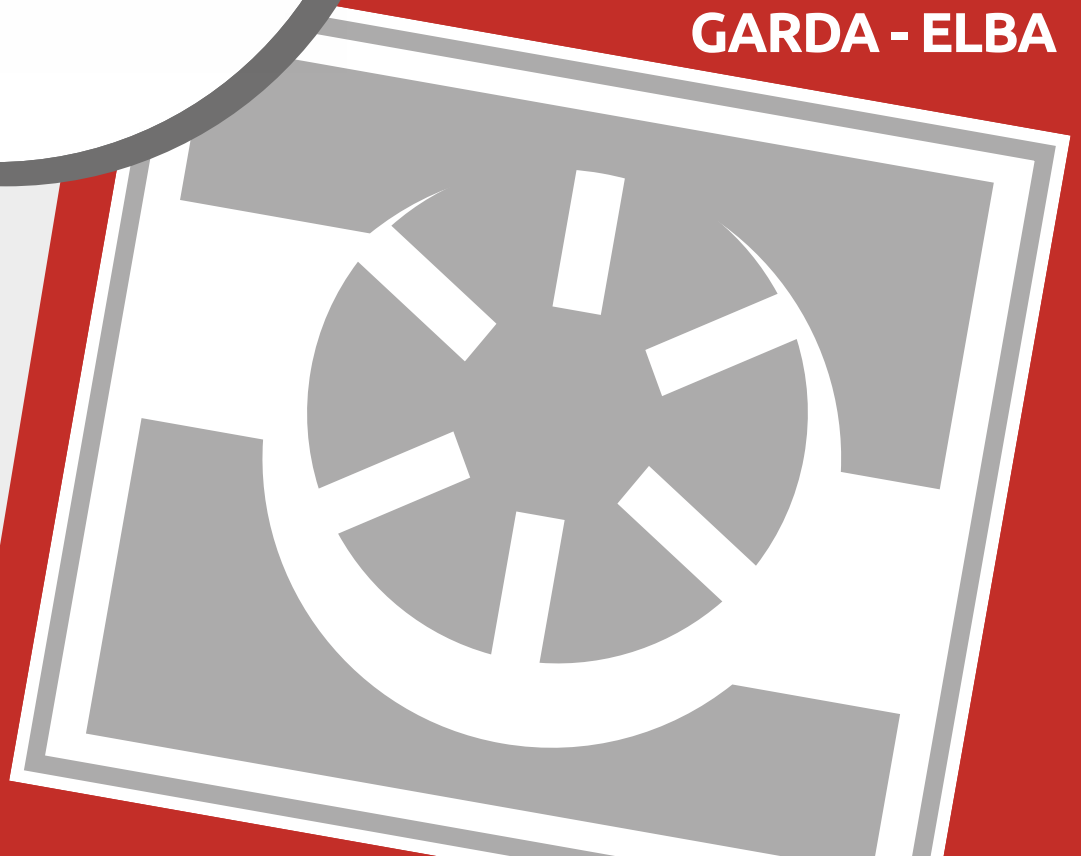


**Technical Catalogue**  
Catalogo Tecnico  
Technischer Katalog

**2020**

**COMBINED  
GROUP**

**GARDA EVO  
GARDA - ELBA**



**[www.bapag.it](http://www.bapag.it)**

rev. 2 del 15/10/2020



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**Exit A: centrifuge pump / high pressure pump / outlet splined shaft**

Uscita A: Pompa centrifuga / Pompa alta pressione / Albero calettato in uscita

Ausgang A: Zentrifugalpumpe / Hochdruckpumpe / Kardanwelle am Ausgang



**Two levers for alternated and combined use of EXIT A and EXIT B**

Due leve per utilizzo alternato o combinato in uscita A e uscita B

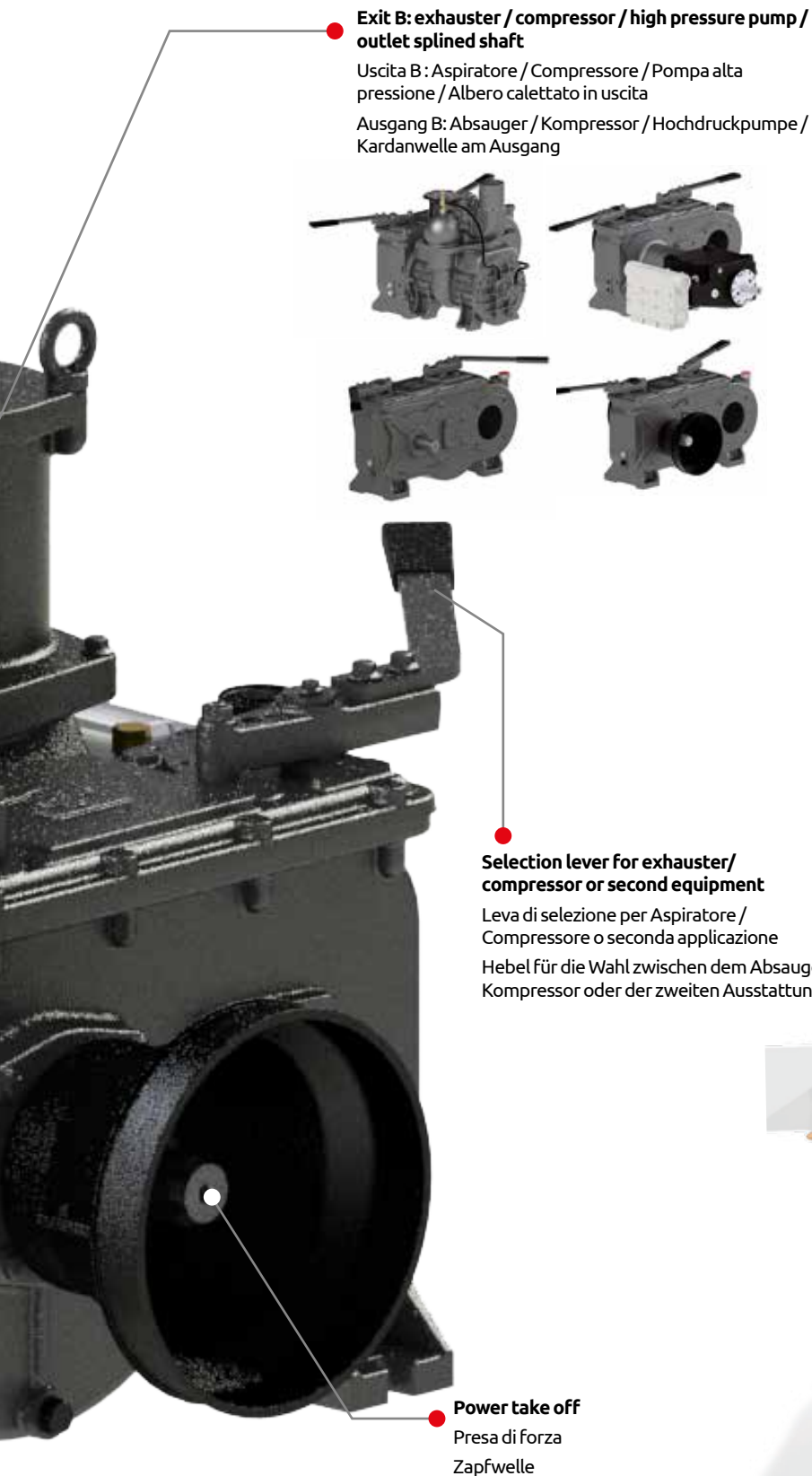
Zwei Hebel, für alternative oder kombinierte verwendung im Ausgang A und Ausgang B

**GARDA EVO Gearbox**  
Cambio GARDA EVO  
Getriebegehäuse



# COMBINED GROUPS

## GARDA EVO - GARDA - ELBA



### VERSIONS



GARDA EVO - D



GARDA EVO - P



GARDA EVO - H



ELBA



GARDA



Combined Group -  
Centrifugal Pump

The picture is only for informative purpose.



# COMBINED GROUPS

## GARDA EVO

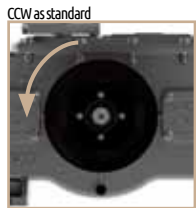
Garda Evo is a combined group that drives two outputs (rotary blade pumps, blowers, centrifugal pumps, high pressure pumps and rotating shafts) either alternated (1 lever version) or in the same time (2 levers version).



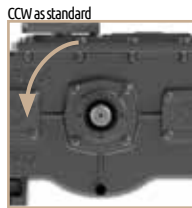
### STANDARD FEATURES

- PTO 1000 Rpm

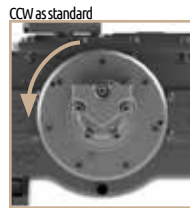
### VERSIONS



**Version D**  
Splined shaft  
1"3/4 - Z6 ISO 500



**Version P**  
Smooth Cylindrical shaft, Ø 40,  
length 79 mm Parallel key UNI 6604



**Version H**  
129 cc/rev - Pmax 400 bar - In G 1" - Out G 1" - Max 70 Kw  
240 cc/rev - Pmax 350 bar - In G 1" - Out G 1" - Max 120 Kw  
Not available with high pressure pumps with 1500-2300 rpm

### HOW TO CHOOSE YOUR CORRECT VERSION IN 3 STEPS

1° DEFINE PTO. Available options are:

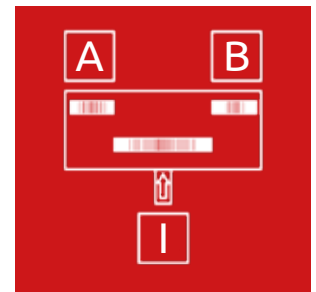
- D** Splined shaft 1"3/4 - Z6 ISO 500 - **1 lever**  
**DT** Splined shaft 1"3/4 - Z6 ISO 500 - **2 levers**
- P** smooth cylindrical shaft Ø40, length 79 mm, Parallel key UNI 6604 - **1 lever**  
**PT** smooth cylindrical shaft Ø40, length 79 mm, Parallel key UNI 6604 - **2 levers**
- H** hydraulic motor 129cc/rev-Pmax 400bar-In 1"G-Out 1"G - **1 lever**  
**HT** hydraulic motor 240cc/rev-Pmax 350bar-In 1"G-Out 1"G - **2 levers**

2° DEFINE EXIT A. Available options are:

- CENTR** CENTRIFUGAL PUMPS  
**GK** ROTATING SHAFT  
**JET** HIGH PRESSURE PUMP. 2 LEVERS ONLY

3° DEFINE EXIT B. Available options on pages 68-69-70, depending on your choice in step 2.

### GARDA EVO EXITS



GARDA EVO PTO

### OPTIONALS FOR ALL VERSION



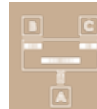
**Hydraulic  
Changeover**  
central lever Code 509000019  
lateral lever Code 5090000107



**Pneumatic  
Changeover**  
central lever Code 6080200300  
lateral lever Code 6080200301



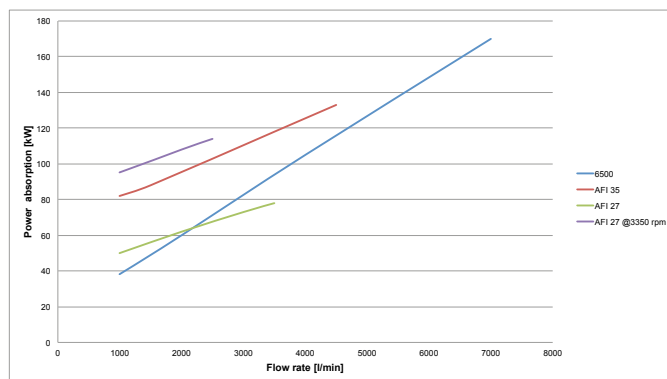
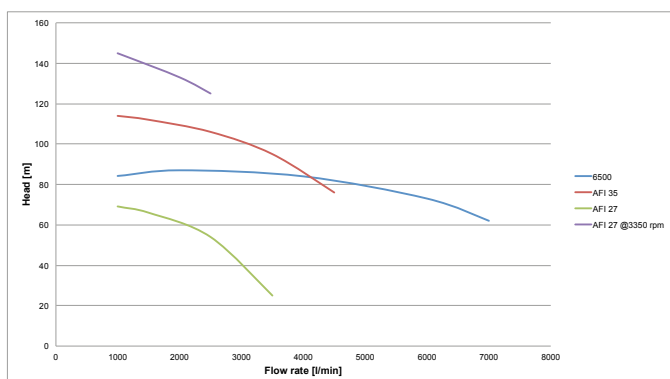
**Lever Catch M16**  
Code 5060010025



### EXIT A: CENTRIFUGAL PUMPS ("CENTR")

#### TECHNICAL DATA FOR AVAILABLE OPTIONS

	Geometrical capacity				PTO Speed (r/min)	Pump Speed (r/min)	Max abs pressure		Power		Weight (kg)
	m³/h	l/min	US gpm	cfm			Bar	PSI	kW	hp	
CENTRIFUGE DODA AFI-27	210	3500	924,6	123	1000	2300	6,5	94	70	94	153
CENTRIFUGE DODA AFI-27 HS	132	2200	581	77	1000	3350	14	202	105	141	153
CENTRIFUGE DODA AFI-35	270	4500	1188,8	159	1000	2300	11	160	130	174	165
CENTRIFUGE GARDA 6500	390	6500	1717	229	1000	2400	7	101	60	80,4	132



Garda-Evo with centrifugal pumps CENTR can be equipped with 1 or 2 levers on the top cover of the gearbox.

#### Garda-Evo CENTR with 1 lever available options for exit B are the following:

CENTR /D /P /H	C6500	AFI27	AFI27 HIGH SPEED	AFI35
EXIT B options:				
MEC 9000-11000-13500	●	●	●	●
BALLAST 9000-11000-13500-16000	●	●	●	●
KPS	●	●	●	●
KTS	●	-	-	-
BLW 280 - 360	●	●	-	●
D540-D800-D1000-D1500-D2380	●	●	-	●
P540-P800-P1000-P1500-P2380	●	●	-	●

● As standard

- Not available

#### Garda-Evo CENTR with 2 levers available options for exit B are the following:

CENTR /DT /PT /HT	C6500	AFI27	AFI27 HIGH SPEED	AFI35
EXIT B options:				
MEC 9000-11000-13500	●	●	●	●
BALLAST 9000-11000-13500-16000	●	●	●	●
KPS	●	●	●	●
KTS	●	-	-	-
D2380	●	●	-	●
P2380	●	●	-	●

● As standard

- Not available

### OPTIONALS FOR CENTRIFUGAL PUMPS VERSIONS



**Cutting device**  
**C6500 Ø 100**  
**C6500 Ø 140**  
 Code 6080200398  
**AFI 27**  
**AFI 35**  
 Code 6100400001



**C6500 Ø 140 mm scroll**  
 Code 4011101004



# COMBINED GROUPS

## GARDA EVO

### EXIT A: ROTATING SHAFT ("GK")

Available options are:

D540rpm-D800rpm-D1000rpm-D1500rpm-D2380rpm

**DT** Splined shaft 1"3/4-Z6 ISO 500 - **2 levers**

P540rpm-P800rpm-P1000rpm-P1500rpm-P2380rpm

**PT** smooth cylindrical shaft Ø40, length 79 mm, Parallel key UNI 6604 - **2 levers**

**HT** hydraulic motor 240cc/rev-Pmax 350bar-In 1"G-Out 1"G - **2 levers**



Garda-Evo with rotating shaft GK are all with 2 levers on the top cover of the gearbox.

**Garda-Evo GK with 2 levers available options for exit B are the following:**

<b>GK /DT /PT /HT</b>	<b>D540-D800-D1000-D1500</b>	<b>P540-P800-P1000-P1500</b>
EXIT B options:		
MEC 9000-11000-13500	●	●
BALLAST 9000-11000-13500-16000	●	●
KPS	●	●
KTS	●	●
BLW 280 - 360	●	●
D540-D800-D1000-D1500-D2380	●	●
P540-P800-P1000-P1500-P2380	●	●

● As standard

- Not available



### EXIT A: HIGH PRESSURE PUMP (“JET”)

Available high pressure pump ordered for rpm are:

**800 rpm:**

**Pratissoli** KF 40

HPP EL 128/120 – EL152/100 – ELS 162/110 – GL 109/290 –  
GL 135/235 – GL 171/185 – GL 212/150 – GL 256/125

**1000 rpm:**

**Pratissoli** KF 28 – KF30 – KF30 – KF36 – KT18 – KT20 – KT22 –  
KT24 – KT28 – KT30 – KT32 – KT36

HPP EL 84/190 - EL 102/160 - EL 122/130

**Annovi Reverberi** RTD 100.200 N – RTD 130.160 N – RTD 160.130 N

**1500 rpm:**

**Pratissoli** KT18 – KT20 – KT22 – KT24 – KT28 – KT30 – KT32 – KT36



Garda-Evo with high pressure pump JET are all with 2 levers on the top cover of the gearbox.

Garda-Evo JET with 2 levers available options for exit B are the following:

Combined Group -  
Centrifugal Pump

JET /DT /PT /HT	High Pressure Pump
EXIT B options:	
MEC 9000-11000-13500	●
BALLAST 9000-11000-13500-16000	●
KPS	●
KTS	●
BLW 280 -360	●
D540-D800-D1000-D1500-D2380	●
P540-P800-P1000-P1500-P2380	●

● As standard

- Not available



# COMBINED GROUPS

## GARDA



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### GARDA

The GARDA group is composed of an exhauster/compressor used to fill agricultural tanks and of a centrifuge pump used for sewage spreading.



### VERSIONS

CCW as standard



**Version D**  
Splined shaft  
1 3/8 - Z6 ISO 500

### AVAILABLE VERSIONS

		EXIT A	
		CENTRIFUGAL PUMP 3500	CENTRIFUGAL PUMP 6500
EXIT B	MEC 2000 - 3000 - 4000	●	●
	MEC 5000 - 6500 - 8000	●	●
	MEC II 9000 - 11000 - 13500	●	●
	BALLAST 9000 - 11000 - 13500	-	●
	BALLAST 16000	-	●
OPTIONALS	MECHANICAL SEAL	●	●
	PRESHAPED RINGS	○	○
	Ø 140 SCROLL	-	○
	CUTTING DEVICE	-	○
	HYDRAULIC CHANGEOVER	○	○
	PNEUMATIC CHANGEOVER	-	-
	TURBO VERSION	-	-

● As standard

○ On request

- Not available

### OPTIONALS



**Cutting device**  
**GARDA 6500 Ø 100**  
Code 6080200009  
**GARDA 6500 Ø 140**  
Code 6080200433



**Ø 140 mm scroll**  
**GARDA 6500**  
Code 4011101004



**Hydraulic  
Changeover**  
Code 5090000011



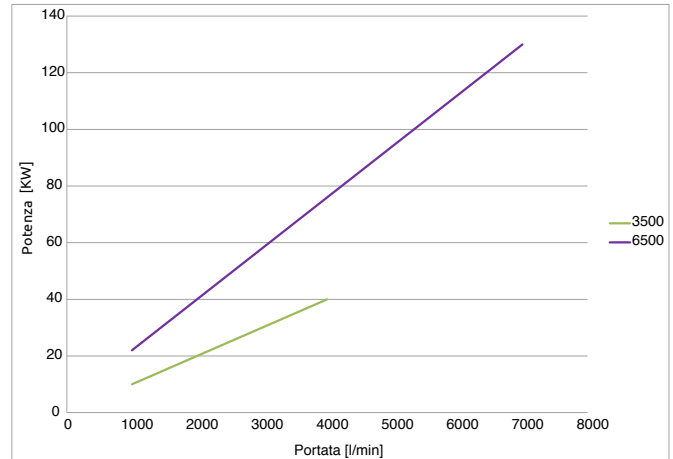
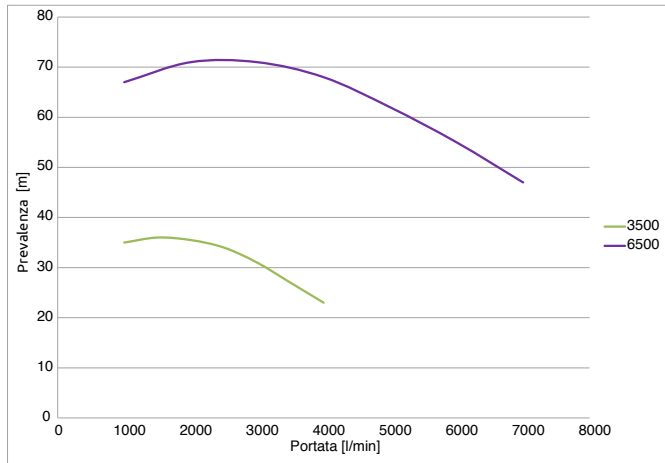
**Preshaped Ring**  
**GARDA 3500**  
Code 4030111002 (1 pcs)  
**4 pieces needed**  
**GARDA 6500**  
Code 4030111001 (1 pcs)  
**6 pieces needed**





### TECHNICAL DATA

	centrifugal pump max flow rate			Max rpm	Head m	Power max kW (HP)	Weight kg
	m³/h	l/min	cfm				
GARDA 3500	210	3500	123	540	38	24 (32,2)	104
GARDA 6500	390	6500	229	540	70	60 (80,4)	132



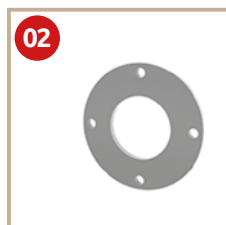
### ACCESSORIES



Tank with swivel gun and Gardapump



**Rubber coupling joint**  
Code 6090200004 - Ø150  
Code 6090200005 - Ø200



**Coupling Flange**  
Code 5010401009  
GARDA 3500  
Code 5010401008  
GARDA 6500



## ELBA – The Perfect Combination

The ELBA pump series is made up by combining a gearbox and a centrifugal pump.

The ELBA group is utilized for farm lands irrigation, sewage spreading and umbilical systems.

### STANDARD FEATURES

- Mechanical seal



### VERSIONS

CCW as standard



**ELBA 6500**  
**Ratio 1:2**  
 Splined shaft  
 1"3/8 - Z6 ISO 500

CCW as standard



**ELBA 3500 - 6500**  
**Ratio 1:3**  
 Splined shaft  
 1"3/8 - Z6 ISO 500

CCW as standard



**ELBA 3500 - 6500**  
**Ratio 1:4**  
 Splined shaft  
 1"3/8 - Z6 ISO 500

CCW as standard



**ELBA 6500 / H**  
 129 cc/rev - Pmax 400 bar  
 In G 1" - Out G 1" - Max 70 Kw

### TECHNICAL DATA

	centrifugal pump max flow rate			Max rpm			Head m	Power max kW (HP)	Weight kg
	m <sup>3</sup> /h	l/min	cfm	1:2	1:3	1:4			
ELBA 3500	210	3500	123	-	750	540	38	24 (32,2)	59
ELBA 6500	390	6500	229	1000	750	540	70	60 (80,4)	90
ELBA 6500 / H	390	6500	229	1000	-	-	70	60 (80,4)	115

### OPTIONALS



**Cutting device**  
**ELBA 6500 Ø 100**  
 Code 6080200009  
**ELBA 6500 Ø 140**  
 Code 6080200433



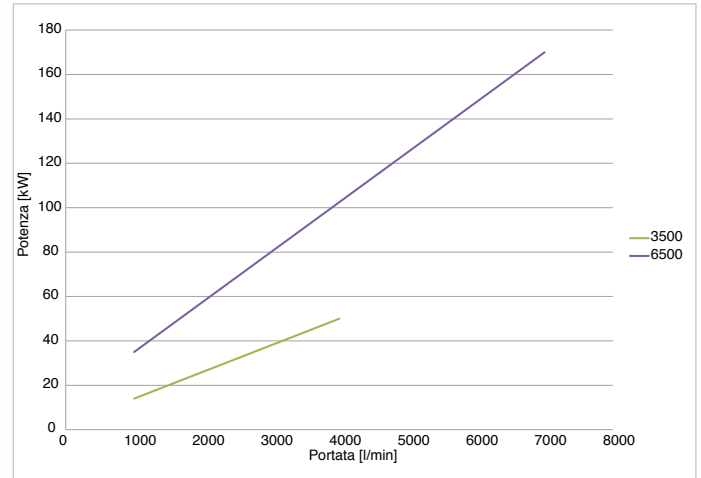
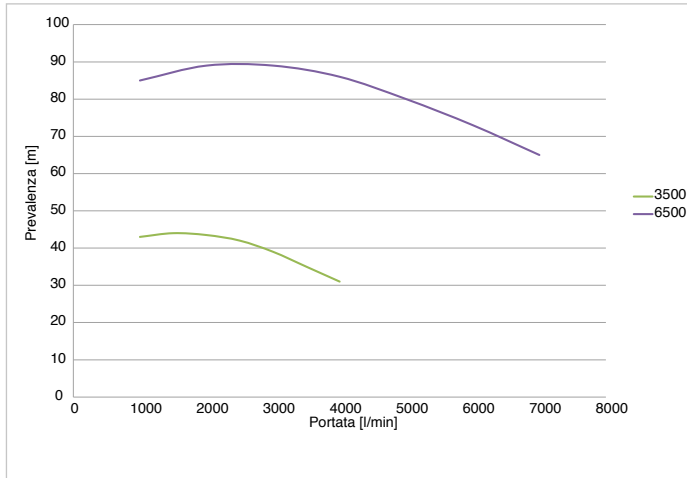
**Heavy duty  
bearings**



**Ø 140 mm scroll**  
**ELBA 6500**  
 Code 4011101004



## CHARTS



## ACCESSORIES

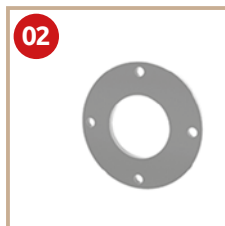


Combined Group -  
Centrifugal Pump

### Top filling tank and Elba pump



**Rubber coupling joint**  
Code 6090200004 - Ø150  
Code 6090200005 - Ø200



**Coupling Flange**  
Code 5010401009  
GARDA 3500  
Code 5010401008  
GARDA 6500







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**Battioni Pagani Pompe S.p.A.**  
Via Ferrari N. 2  
43058 Sorbolo Mezzani (PR) - Italy  
Ph. +39 0521 663203

[www.bapag.it](http://www.bapag.it)  
[info@bapag.it](mailto:info@bapag.it)

