



Quando nel 1966 abbiamo iniziato a progettare e produrre pompe a pressione per acqua, il mercato aveva bisogno di qualsiasi cosa e l'offerta di prodotti era ampiamente inferiore alla loro domanda. Con il passare degli anni e dei decenni, la produzione generale di beni è notevolmente aumentata e la proporzione tra domanda ed offerta è molto cambiata. Il tasso di crescita di UDOR non ha conosciuto soste nel tempo, nemmeno negli ultimi anni di fortissima competizione internazionale; questa è la migliore prova della competitività dei nostri prodotti e dei nostri processi.

When in 1966 we started manufacturing water pressure pumps, the market was in desperate need of everything and the offer of products was much lower than their demand. After years and decades, the general production of goods has widely increased and the proportion between offer and demand has changed a lot. The UDOR growth rate, in all these years of strong international competition, has never slowed down and this is the best proof of how competitive our product and our process are.

Franco Lomori



la nostra azienda

our company

1 Parte del reparto
interno di montaggio
Part of assembly
department

2 Baie di carico/scarico
del magazzino automatico
Loading/unloading
zones of automatic
storage system

3 Magazzino automatizzato
Automatic storage

4 Ricerca e Sviluppo
(Test sperimentali)
Research and Development
(Lab. test)

5 Alcune stazioni di collaudo
Some test benches

6 Uno dei Robot di carico
One of the Robots

7 Lavorazione dei carter pompa
Machining of pump casing

8 Uno dei centri
di lavoro
One of the machining
center

9 Controllo qualità
Quality control

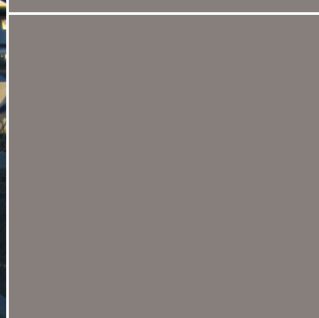
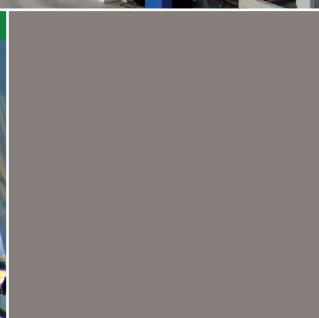
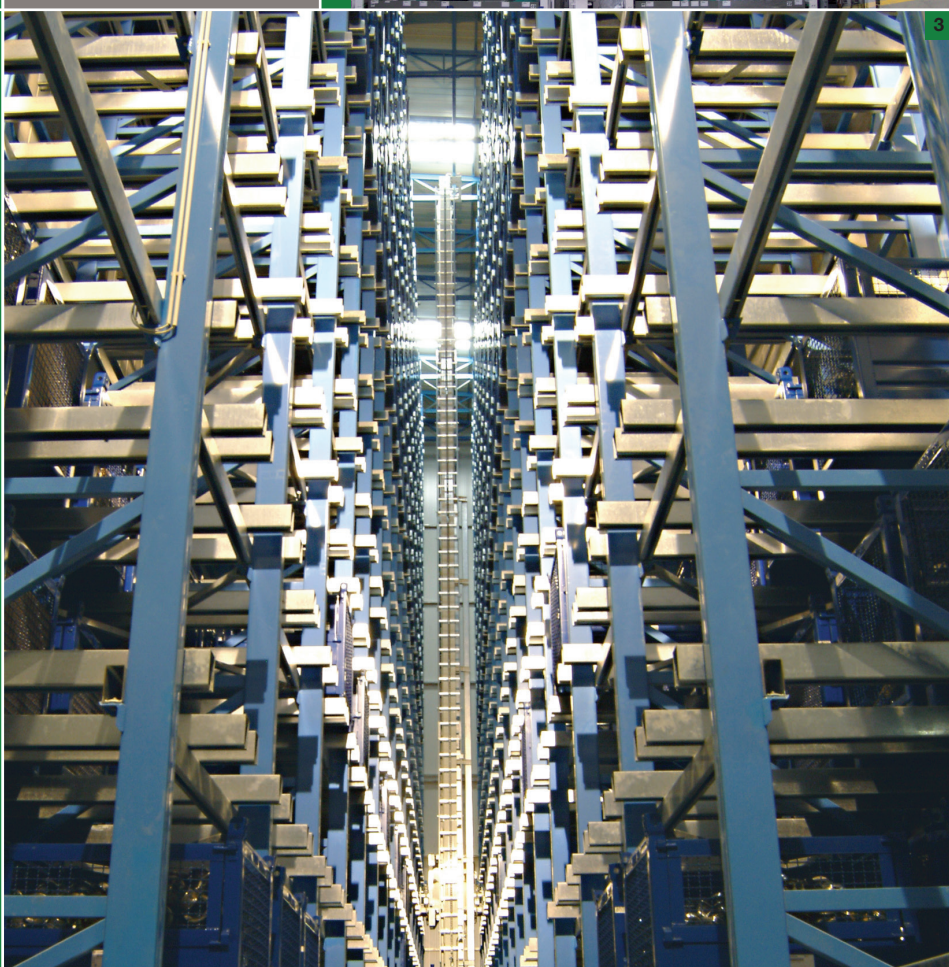
10 Reparto imballaggio
Packing department

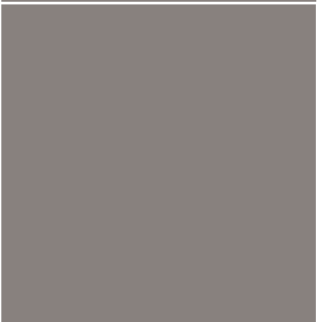
11 Prodotti pronti per
la spedizione
Packing department

12 Collaborazione
con la Facoltà di
Ingegneria (DIEM)
dell'Università di Bologna.
Cooperation
with the Engineering
Department (DIEM)
of the University of Bologna

13 Particolare
dell'ufficio tecnico
Part of
engineering department

14 Reparti produttivi
Production areas





MISSIONE E CRESCITA

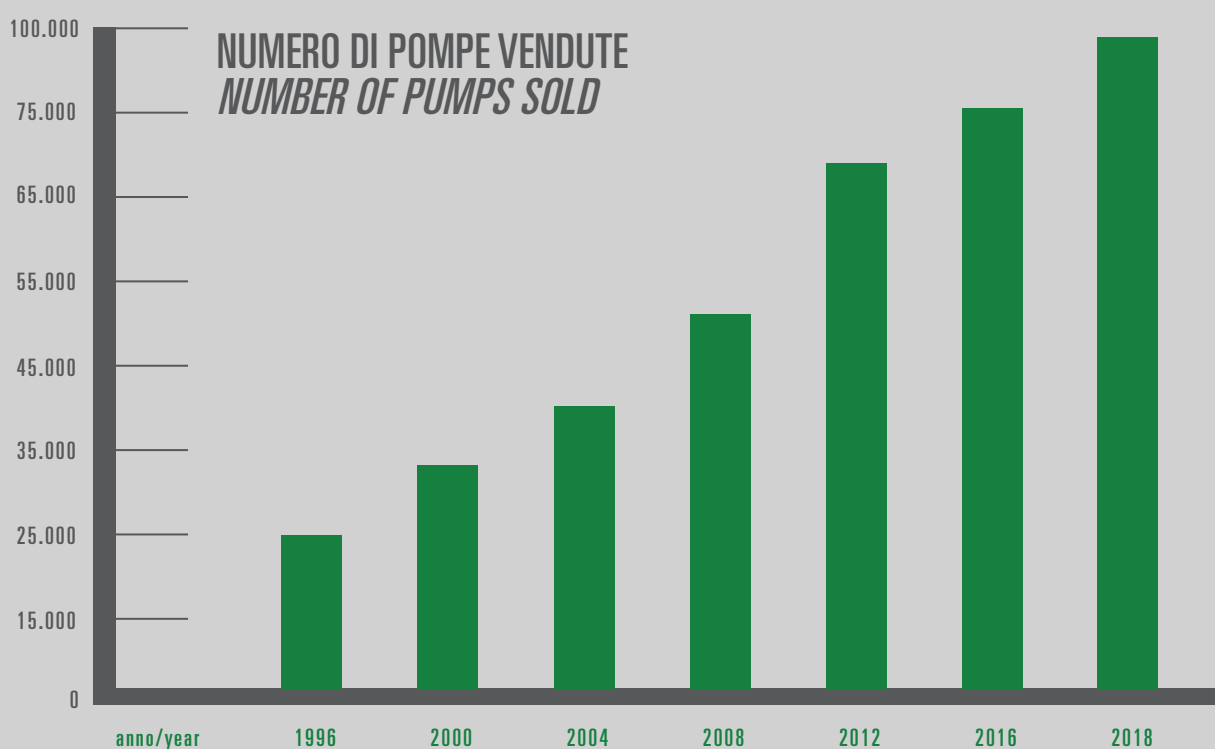
MISSION AND GROWTH

La nostra missione è quella di essere riconosciuti nel nostro mercato mondiale di riferimento come un'azienda competitiva, innovativa ed affidabile.

La nostra organizzazione soddisfa le direttive ISO-9001 e siamo continuamente impegnati nel miglioramento delle prestazioni aziendali in tutti i reparti. Crediamo nel lavorare in modo etico e attento ai bisogni dei clienti.

Our Mission is to be recognized in our world-wide industry as a competitive, innovative and reliable company.

Our organization complies with the requirements of ISO-9001 and we are committed to continuous improvement of the performance of all company departments and functions. We strongly believe in conducting business with ethics and in listening to customer needs.



INDICE INDEX

Pompe a Membrana *Diaphragm Pumps*

serie/series ZETA	6/13
serie/series IOTA	14
serie/series KAPPA	15/18
serie/series DELTA	19/24
serie/series OMEGA	25/27
serie/series BETA	28/31

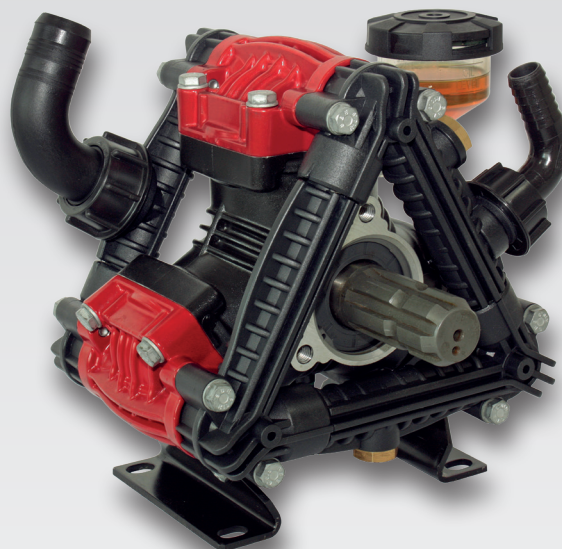
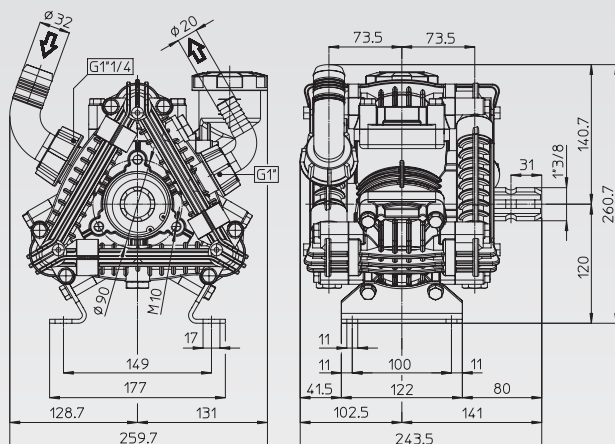
Gruppi, Applicazioni, Accessori *Units, Drive Options, Accessories*

Alberi presa di forza pompe a membrana / <i>Diaphragm Pumps p.t.o. shafts</i>	32
Gruppi di regolazione pressione per bassa pressione / <i>Low pressure control units</i>	33/35
Gruppi di regolazione pressione per media ed alta pressione / <i>Medium and high pressure control units</i>	36/37
Riduttori / <i>Gear reductions</i>	38/39
Gruppi motopompa / <i>Pump and engine units</i>	40/41
Gruppi pompa con motore idraulico / <i>Pump and hydraulic motor units</i>	41
Gruppi elettropompa / <i>Pump and motor units</i>	42
Accessori / <i>Accessories</i>	43
Tabella di scelta ugelli per lance / <i>Nozzle selection chart for spray guns</i>	44
Esempi di utilizzi / <i>Some field images</i>	45/46
UDOR nel mondo / <i>UDOR in the world</i>	47



ZETA 70

max. 71 l/min - 19 GPM • 20 bar - 290 PSI • 550 RPM



Alberi P. di F. disponibili *Available P.T.O. Shaft*



2 - 13



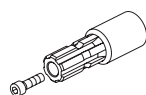
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13

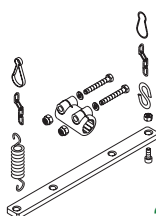
Per le dimensioni
degli Alberi P. di F.
vedi pag. 32

For P.T.O.
Shaft dimensions
see page 32

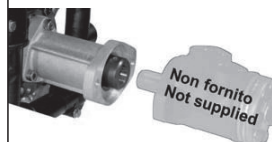
Applicazioni *Shaft Adaptors*



1



2



13

MOD.	RPM	0 bar / 0 PSI				5 bar / 72 PSI				10 bar / 145 PSI				15 bar / 217 PSI				20 bar / 290 PSI					
ZETA 70		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight	
		l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	Kg	
	400	51.5	13.6	0.5	0.4	49.1	13.0	1.0	0.7	48.8	12.9	1.4	1.0	48.4	12.8	1.9	1.4	48.1	12.7	2.5	1.9	9.0	
	450	57.6	15.2	0.6	0.4	55.1	14.6	1.1	0.8	54.6	14.4	1.6	1.1	54.1	14.3	2.2	1.6	53.8	14.2	2.8	2.1		
	500	63.5	16.8	0.6	0.5	61.2	16.2	1.2	0.9	60.8	16.1	1.7	1.6	60.4	16.0	2.4	1.8	60.0	15.9	3.2	2.3		
	550	71.0	19.0	0.7	0.5	66.6	17.6	1.3	1.0	66.2	17.5	1.9	1.4	65.8	17.4	2.6	1.9	65.5	17.3	3.4	2.5		

ZETA-P 40

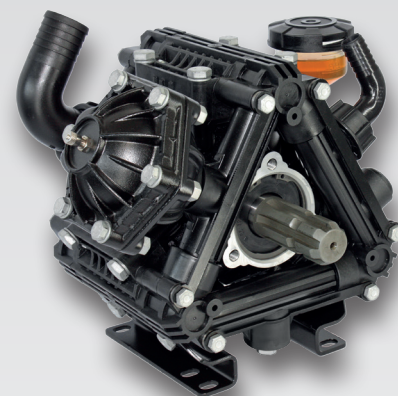
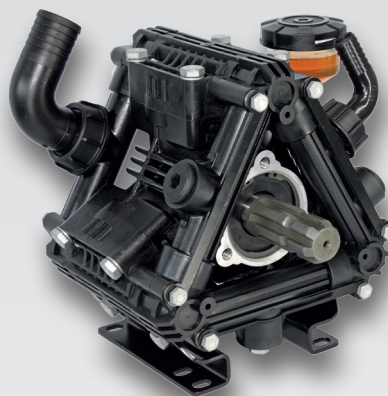
max. 44 l/min - 12 GPM - 20 bar - 290 PSI • 550 RPM

ZETA-P 85

max. 85 l/min - 23 GPM - 20 bar - 290 PSI • 550 RPM

ZETA-P 100

max. 98 l/min - 26 GPM - 20 bar - 290 PSI • 550 RPM



ZETA-P 40 ZETA-P 85

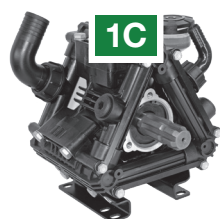
DISEGNO ZETA-P 40 E ZETA-P 85:
VEDI PAG.8
ZETA-P 40 AND ZETA-P 85 DRAWING:
SEE PAGE 8

ZETA-P 100

DISEGNO ZETA-P 100:
VEDI PAG.9
ZETA-P 100 DRAWING:
SEE PAGE 9

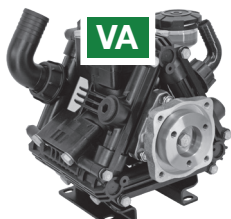
TESTATE a base di resina poliesteri
Polyester resin-based HEADS

Alberi P. di F. disponibili Available P.T.O. Shaft



2-13

Solo/Only ZETA-P85 / ZETA-P100



4-13-15



Solo/Only ZETA-P40 / ZETA-P85



1

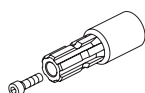
13

Solo/Only ZETA-P85 / ZETA-P100

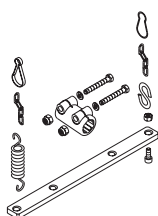
Per le dimensioni
degli Alberi P. di F.
vedi pag. 32

For P.T.O.
Shaft dimensions
see page 32

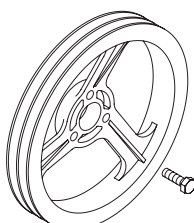
Applicazioni Shaft Adaptors



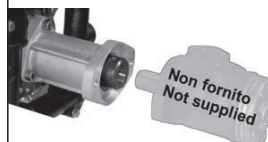
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2

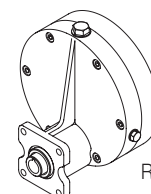


4



13

Non fornito
Not supplied



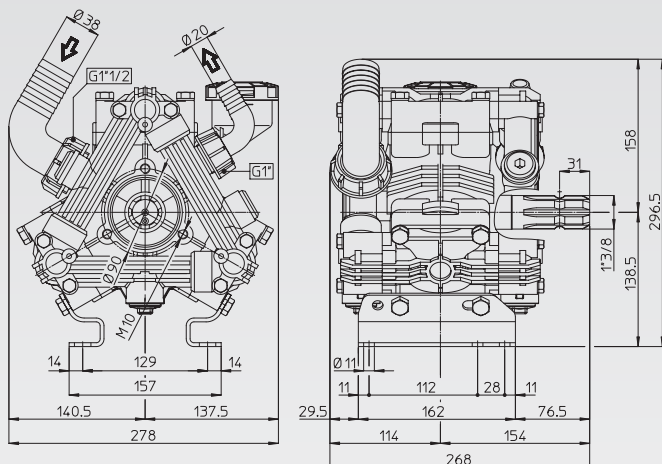
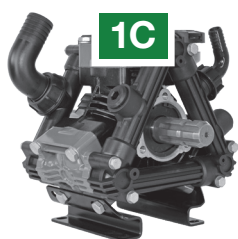
RIDUTTORI **15**
Vedi pag. 38

GEAR REDUCTIONS **15**
See page 38

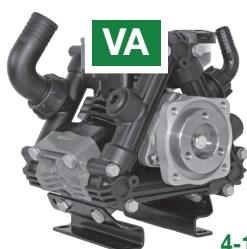
MOD.	RPM	0 bar / 0 PSI				5 bar / 72 PSI				10 bar / 145 PSI				15 bar / 217 PSI				20 bar / 290 PSI				Peso Weight
ZETA-P 40		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Kg
		l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	
	400	33.0	8.7	0.3	0.2	30.0	7.9	0.6	0.4	29.3	7.7	0.8	0.6	28.8	7.6	1.2	0.8	28.5	7.5	1.5	1.1	
	450	36.5	9.6	0.4	0.3	33.5	8.9	0.7	0.5	32.8	8.7	0.9	0.7	32.3	8.5	1.3	0.9	32.0	8.5	1.7	1.2	
	500	40.2	10.6	0.4	0.3	37.2	9.8	0.7	0.5	36.5	9.6	1.0	0.8	36.0	9.5	1.4	1.1	35.7	9.4	1.9	1.4	
ZETA-P 85	550	44.0	12.0	0.4	0.3	41.0	10.8	0.8	0.6	40.3	10.6	1.2	0.8	39.8	10.5	1.6	1.2	39.5	10.4	2.1	1.5	12
	400	62.2	16.4	0.6	0.5	58.6	15.5	1.2	0.9	58.2	15.4	1.7	1.2	57.5	15.2	2.3	1.7	57.3	15.1	3.0	2.2	
	450	69.7	18.4	0.7	0.5	65.9	17.4	1.3	1.0	65.5	17.3	1.9	1.4	64.9	17.1	2.6	1.9	64.6	17.1	3.4	2.5	
	500	77.2	20.4	0.8	0.6	73.2	19.3	1.5	1.1	72.7	19.2	2.1	1.5	72.2	19.1	2.9	2.1	71.8	19.0	3.8	2.8	
	550	84.6	23.0	0.8	0.6	80.4	21.2	1.6	1.2	79.9	21.1	2.3	1.7	79.4	21.0	3.2	2.3	79.0	20.9	4.2	3.1	
ZETA-P 100	400	72.8	19.2	0.7	0.5	69.2	18.3	1.4	1.0	68.8	18.2	2.0	1.4	68.4	18.1	2.7	2.0	68.2	18.0	3.6	2.6	13
	450	81.6	21.6	0.8	0.6	77.6	20.5	1.6	1.1	77.2	20.4	2.2	1.6	75.5	19.9	3.0	2.2	76.4	20.2	4.0	3.0	
	500	90.4	23.9	0.9	0.7	86.0	22.7	1.7	1.3	85.6	22.6	2.4	1.8	82.5	21.8	3.3	2.4	84.6	22.4	4.5	3.3	
	550	98.0	26.0	1.0	0.7	92.7	24.5	1.9	1.4	92.2	24.4	2.6	1.9	91.7	24.2	3.7	2.7	91.3	24.1	4.8	3.5	

ZETA 85

max. 85 l/min - 23 GPM • 20 bar - 290 PSI • 550 RPM

**Alberi P. di F. disponibili** *Available P.T.O. Shaft*

2-13



4-13-15



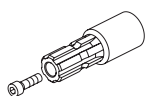
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13

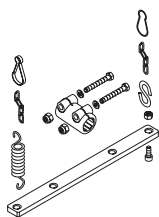
Per le dimensioni
degli Alberi P. di F.
vedi pag. 32

For P.T.O.
Shaft dimensions
see page 32

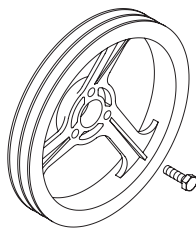
Applicazioni *Shaft Adaptors*



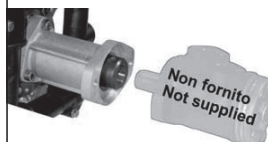
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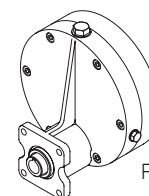
2



4



13



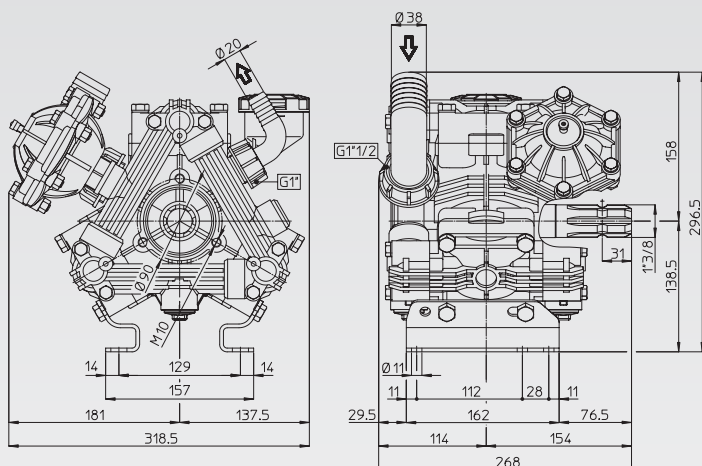
RIDUTTORI **15**
Vedi pag. 38

GEAR REDUCTIONS **15**
See page 38

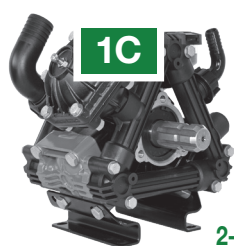
MOD.	RPM	0 bar / 0 PSI				5 bar / 72 PSI				10 bar / 145 PSI				15 bar / 217 PSI				20 bar / 290 PSI				
ZETA 85		Portata <i>Flow rate</i>		Potenza <i>Power</i>		Portata <i>Flow rate</i>		Potenza <i>Power</i>		Portata <i>Flow rate</i>		Potenza <i>Power</i>		Portata <i>Flow rate</i>		Potenza <i>Power</i>		Portata <i>Flow rate</i>		Potenza <i>Power</i>		Peso <i>Weight</i>
		l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	Kg
	400	62.2	16.4	0.6	0.5	58.6	15.5	1.2	0.9	58.2	15.4	1.7	1.2	57.5	15.2	2.3	1.7	57.3	15.1	3.0	2.2	12
	450	69.7	18.4	0.7	0.5	65.9	17.4	1.3	1.0	65.5	17.3	1.9	1.4	64.9	17.1	2.6	1.9	64.6	17.1	3.4	2.5	
	500	77.2	20.4	0.8	0.6	73.2	19.3	1.5	1.1	72.7	19.2	2.1	1.5	72.2	19.1	2.9	2.1	71.8	19.0	3.8	2.8	
	550	84.6	23	0.8	0.6	80.4	21.2	1.6	1.2	79.9	21.1	2.3	1.7	79.4	21.0	3.2	2.3	79.0	20.9	4.2	3.1	

ZETA 100

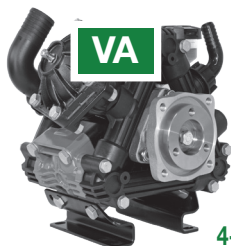
max. 98 l/min - 26 GPM • 20 bar - 290 PSI • 550 RPM



Alberi P. di F. disponibili *Available P.T.O. Shaft*



2-13



4-13-15

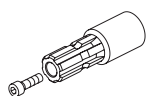


13

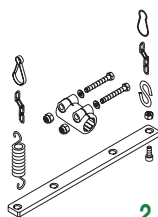
Per le dimensioni degli Alberi P. di F. vedi pag. 32

For P.T.O. Shaft dimensions see page 32

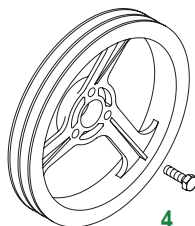
Applicazioni *Shaft Adaptors*



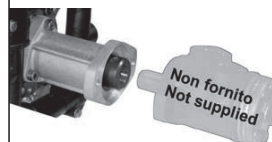
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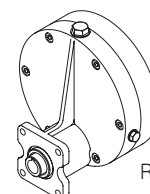
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4



13



RIDUTTORI 15
Vedi pag. 38

GEAR REDUCTIONS 15
See page 38

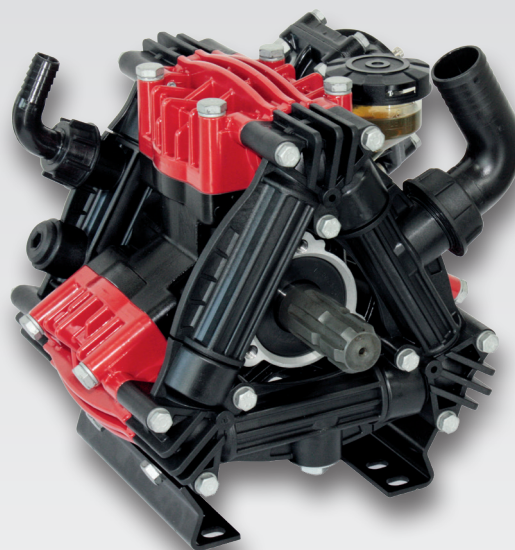
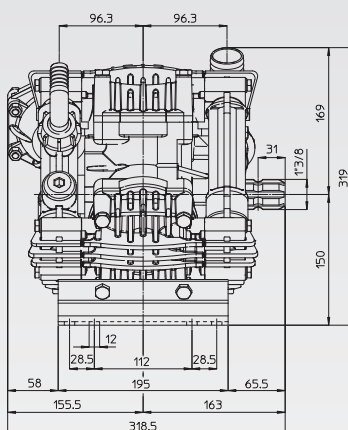
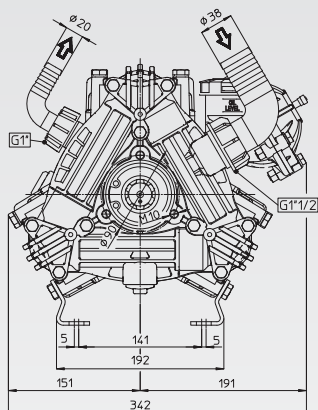
MOD.	RPM	0 bar / 0 PSI				5 bar / 72 PSI				10 bar / 145 PSI				15 bar / 217 PSI				20 bar / 290 PSI					
ZETA 100		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight	
		l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	Kg	
	400	72.8	19.2	0.7	0.5	69.2	18.3	1.4	1.0	68.8	18.2	2.0	1.4	68.4	18.1	2.7	2.0	68.2	18.0	3.6	2.6	13	
	450	81.6	21.6	0.8	0.6	77.6	20.5	1.6	1.1	77.2	20.4	2.2	1.6	75.5	19.9	3.0	2.2	76.4	20.2	4.0	3.0		
	500	90.4	23.9	0.9	0.7	86.0	22.7	1.7	1.3	85.6	22.6	2.4	1.8	82.5	21.8	3.3	2.4	84.6	22.4	4.5	3.3		
	550	98.0	26.0	1.0	0.7	92.7	24.5	1.9	1.4	92.2	24.4	2.6	1.9	91.7	24.2	3.7	2.7	91.3	24.1	4.8	3.5		

ZETA 120

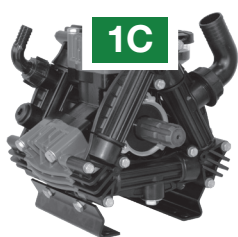
max. 116 l/min - 31 GPM • 20 bar - 290 PSI • 550 RPM

ZETA 140

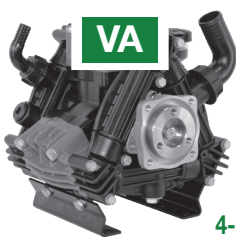
max. 135 l/min - 36 GPM • 20 bar - 290 PSI • 550 RPM



Alberi P. di F. disponibili *Available P.T.O. Shaft*



2-13



Solo/Only **ZETA 120**



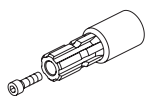
1

13

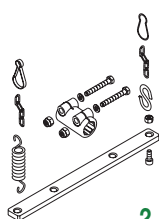
Per le dimensioni
degli Alberi P. di F.
vedi pag. 32

For P.T.O.
Shaft dimensions
see page 32

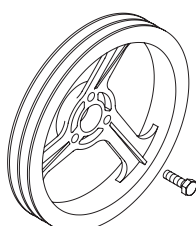
Applicazioni *Shaft Adaptors*



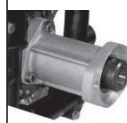
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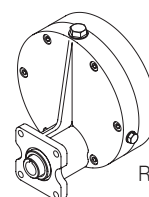
2



4



13



RIDUTTORI **15**
Vedi pag. 38

GEAR REDUCTIONS **15**
See page 38

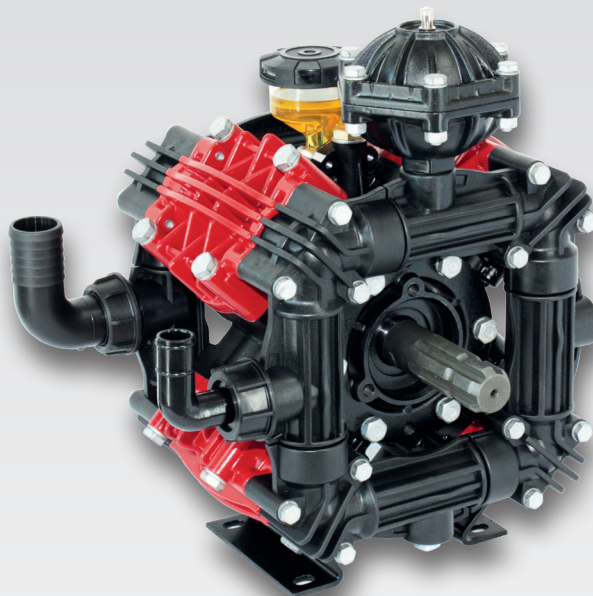
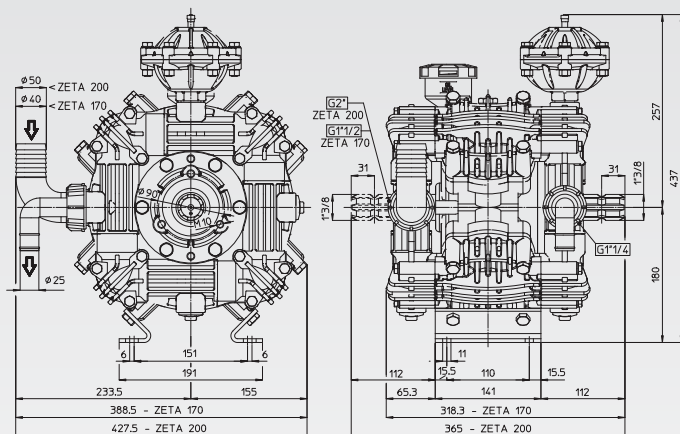
MOD.	RPM	0 bar / 0 PSI				5 bar / 72 PSI				10 bar / 145 PSI				15 bar / 217 PSI				20 bar / 290 PSI					
ZETA 120		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight	
		I/min	GPM	HP	KW	I/min	GPM	HP	KW	I/min	GPM	HP	KW	I/min	GPM	HP	KW	I/min	GPM	HP	KW	Kg	
	400	86.9	23.0	0.9	0.6	83.7	22.1	1.1	0.8	82.8	21.9	2.1	1.6	82.2	21.7	3.2	2.3	81.9	21.6	4.2	3.1	18	
	450	96.6	25.5	1.0	0.7	93.4	24.7	1.2	0.9	92.5	24.4	2.4	1.7	91.9	24.3	3.5	2.6	91.6	24.2	4.7	3.5		
	500	106.3	28.1	1.1	0.8	103.1	27.2	1.3	1.0	102.2	27.0	2.6	1.9	101.6	26.8	3.9	2.9	101.3	26.8	5.2	3.8		
550	116.0	31.0	1.2	0.9	112.8	29.8	1.4	1.1	111.9	29.6	2.9	2.1	111.3	29.4	4.3	3.1	111.0	29.3	5.7	4.2			
ZETA 140	400	101.7	26.6	1.0	0.7	97.6	25.8	1.3	0.9	97.2	25.7	2.5	1.8	96.9	25.6	3.7	2.7	96.7	25.5	5.0	3.6	18	
	450	119.8	31.4	1.2	0.9	108.7	28.7	1.4	1.0	108.3	28.6	2.8	2.0	108.0	28.5	4.2	3.1	107.8	28.5	5.5	4.1		
	500	123.9	32.5	1.2	0.9	119.8	31.7	1.5	1.1	119.4	31.5	3.1	2.3	119.1	31.5	4.6	3.4	118.9	31.4	6.1	4.5		
	550	135.0	36.0	1.3	1.0	130.9	34.6	1.7	1.2	130.5	34.5	3.3	2.5	130.2	34.4	5.0	3.7	130.0	34.3	6.7	4.9		

ZETA 170

max. 170 l/min - 45 GPM • 20 bar - 290 PSI • 550 RPM

ZETA 200

max. 198 l/min - 53 GPM • 20 bar - 290 PSI • 550 RPM



Alberi P. di F. disponibili *Available P.T.O. Shaft*



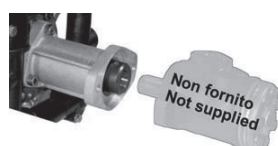
Solo/Only **ZETA 170**



Per le dimensioni
degli Alberi P. di F.
vedi pag. 32

For P.T.O.
Shaft dimensions
see page 32

Applicazioni *Shaft Adaptors*



13

MOD.	RPM	0 bar / 0 PSI				5 bar / 72 PSI				10 bar / 145 PSI				15 bar / 217 PSI				20 bar / 290 PSI				
ZETA 170		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight
		I/min	GPM	HP	KW	I/min	GPM	HP	KW	I/min	GPM	HP	KW	I/min	GPM	HP	KW	I/min	GPM	HP	KW	Kg
	400	125.9	33.3	1.3	0.9	121.0	32.0	1.6	1.1	120.3	31.8	3.1	2.3	119.6	31.6	4.6	3.4	118.9	31.4	6.1	4.5	24
	450	140.6	37.1	1.4	1.0	135.7	35.9	1.7	1.3	135.0	35.7	3.5	2.5	134.3	35.5	5.2	3.8	133.6	35.3	6.9	5.0	
	500	155.3	41.0	1.6	1.1	150.4	39.7	1.9	1.4	149.7	39.6	3.8	2.8	149.0	39.4	5.7	4.2	148.3	39.2	7.6	5.6	
550	170.0	45.0	1.7	1.2	165.1	43.6	2.1	1.6	164.4	43.4	4.2	3.1	163.7	43.2	6.3	4.6	163.0	43.1	8.4	6.1		
ZETA 200	400	145.8	38.5	1.5	1.1	140.9	37.2	1.8	1.3	140.2	37.0	3.6	2.6	139.5	36.9	5.4	3.9	138.8	36.7	7.1	5.2	26
	450	163.2	43.1	1.6	1.2	158.3	41.8	2.0	1.5	157.6	41.6	4.0	3.0	156.9	41.5	6.0	4.4	156.2	41.3	8.0	5.9	
	500	180.6	47.7	1.8	1.3	175.7	46.4	2.3	1.7	175.0	46.2	4.5	3.3	174.3	46.1	6.7	4.9	173.6	45.9	8.9	6.5	
	550	198.0	53.0	2.0	1.5	193.1	51.0	2.5	1.8	192.4	50.8	4.9	3.6	191.7	50.6	7.4	5.4	191.0	50.5	9.8	7.2	

ZETA 230

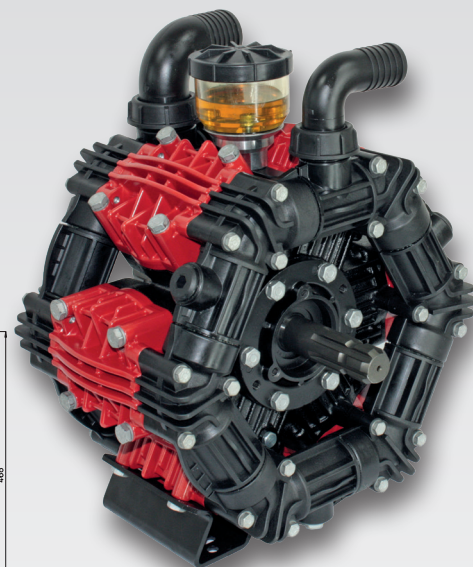
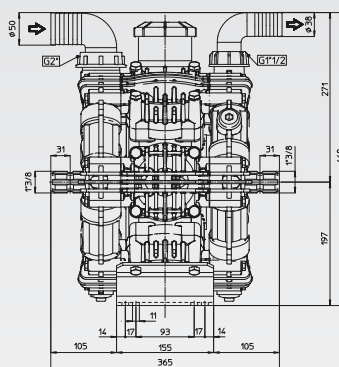
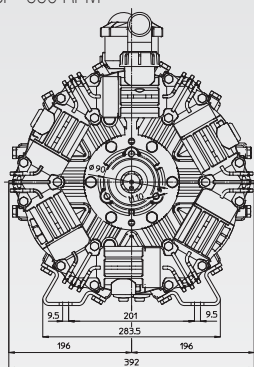
max. 228 l/min - 61 GPM • 20 bar - 290 PSI • 550 RPM

ZETA 260

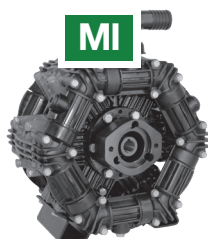
max. 256 l/min - 68 GPM • 20 bar - 290 PSI • 550 RPM

ZETA 300

max. 295 l/min - 78 GPM • 20 bar - 290 PSI • 550 RPM



Alberi P. di F. disponibili *Available P.T.O. Shaft*



Per le dimensioni
degli Alberi P. di F.
vedi pag. 32

For P.T.O.
Shaft dimensions
see page 32

Applicazioni *Shaft Adaptors*



13

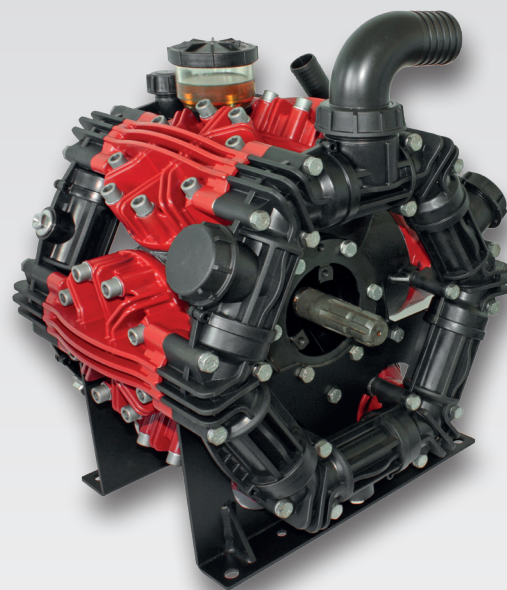
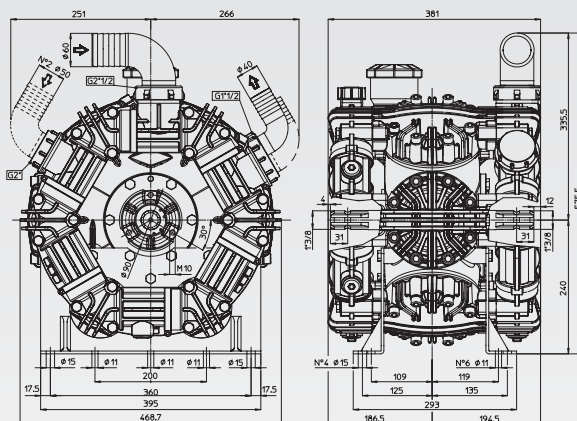
MOD.	RPM	0 bar / 0 PSI				5 bar / 72 PSI				10 bar / 145 PSI				15 bar / 217 PSI				20 bar / 290 PSI					
ZETA 230		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight	
		I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	Kg	
	400	169.5	44.8	1.7	1.2	164.1	43.4	2.1	1.5	162.8	43.0	4.2	3.1	161.6	42.7	6.2	4.6	160.5	42.4	8.2	6.0	36	
	450	189.0	49.9	1.9	1.4	183.6	48.5	2.4	1.7	182.3	48.2	4.7	3.4	181.1	47.8	7.0	5.1	180.0	47.6	9.2	6.8		
	500	208.5	55.1	2.1	1.5	203.1	53.7	2.6	1.9	201.6	53.3	5.2	3.8	200.6	53.0	7.7	5.7	199.5	52.7	10.2	7.5		
550	228.0	61.0	2.3	1.7	222.6	58.8	2.9	2.1	221.3	58.5	5.7	4.2	220.1	58.2	8.5	6.2	219.0	57.9	11.2	8.3			
ZETA 260	400	190.9	50.4	1.9	1.4	185.5	49.0	2.4	1.7	184.2	48.7	4.7	3.5	183.0	48.3	7.0	5.2	181.9	48.1	9.3	6.9	36	
	450	212.6	56.2	2.1	1.6	207.2	54.7	2.7	2.0	205.9	54.4	5.3	3.9	204.7	54.1	7.9	5.8	203.6	53.8	10.4	7.7		
	500	234.3	61.9	2.3	1.7	228.9	60.5	2.9	2.2	227.6	60.1	5.8	4.3	226.4	59.8	8.7	6.4	225.3	59.5	11.6	8.5		
	550	256.0	68.0	2.6	1.9	250.6	66.2	3.2	2.4	249.3	65.9	6.4	4.7	248.1	65.5	9.5	7.0	247.0	65.3	12.7	9.3		
ZETA 300	400	215.5	56.9	2.2	1.6	213.3	56.4	2.7	2.0	212.2	56.1	5.4	4.0	211.1	55.8	8.1	6.0	210.0	55.5	10.8	7.9	37	
	450	242.0	63.9	2.4	1.8	239.3	63.2	3.1	2.3	238.2	62.9	6.1	4.5	237.1	62.6	9.1	6.7	236.0	62.4	12.1	8.9		
	500	268.5	70.9	2.7	2.0	265.3	70.1	3.4	2.5	264.2	69.8	6.8	5.0	263.1	69.5	10.1	7.4	262.0	69.2	13.4	9.9		
	550	295.0	78.0	3.0	2.2	291.3	77.0	3.7	2.7	290.2	76.7	7.4	5.5	289.1	76.4	11.1	8.2	288.0	76.1	14.8	10.9		

ZETA 350

max. 345 l/min - 92 GPM • 20 bar - 290 PSI • 550 RPM

ZETA 400

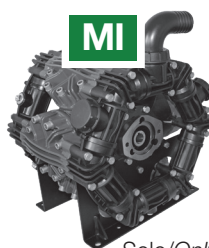
max. 400 l/min - 106 GPM • 20 bar - 290 PSI • 550 RPM



Alberi P. di F. disponibili *Available P.T.O. Shaft*



13

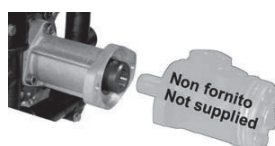


Solo/Only ZETA 350

Per le dimensioni
degli Alberi P. di F.
vedi pag. 32

*For P.T.O.
Shaft dimensions
see page 32*

Applicazioni *Shaft Adaptors*

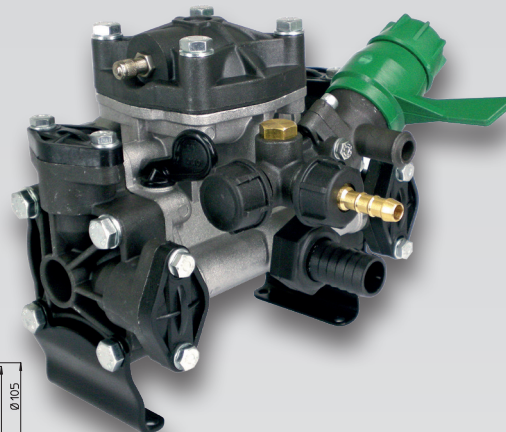
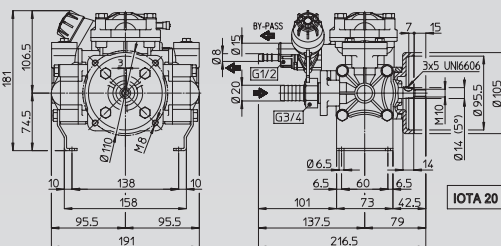


13

MOD.	RPM	0 bar / 0 PSI				5 bar / 72 PSI				10 bar / 145 PSI				15 bar / 217 PSI				20 bar / 290 PSI					
ZETA 350		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight	
		l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	Kg	
	400	251	66.3	2.5	1.8	247	65.3	4.9	3.6	244	64.5	7.0	5.1	242	63.9	9.7	7.1	240	63.4	12.6	9.3	70	
	450	282	74.5	2.8	2.1	278	73.4	5.6	4.1	275	72.7	7.9	5.8	272	71.9	10.9	8.0	270	71.3	14.2	10.4		
	500	314	83.0	3.1	2.3	310	81.9	6.2	4.6	306	80.8	8.7	6.4	303	80.1	12.1	8.9	301	79.5	15.8	11.6		
550	345	92.0	3.5	2.5	340	89.8	6.8	5.0	336	88.8	9.6	7.1	333	88.0	13.3	9.8	331	87.5	17.4	12.8			
ZETA 400	400	292	77.1	2.9	2.1	289	76.4	5.8	4.2	286	75.6	8.2	6.0	284	75.0	11.4	8.3	283	74.8	14.9	10.9	70	
	450	328	86.7	3.3	2.4	324	85.6	6.5	4.8	321	84.8	9.2	6.7	319	84.3	12.8	9.4	318	84.0	16.7	12.3		
	500	364	96.2	3.6	2.7	360	95.1	7.2	5.3	357	94.3	10.2	7.5	355	93.8	14.2	10.4	354	93.5	18.6	13.7		
	550	400	106.0	4.0	2.9	396	104.6	7.9	5.8	393	103.8	11.2	8.3	391	103.3	15.6	11.5	390	103.0	20.5	15.1		

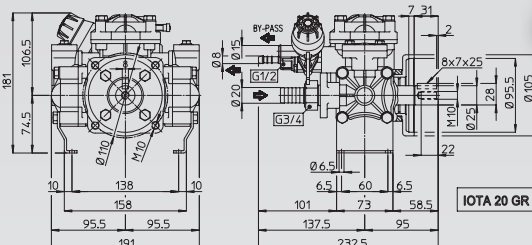
IOTA 20

max. 19 l/min - 5 GPM • 20 bar - 290 PSI • 600 RPM



IOTA 25

max. 24 l/min - 7 GPM • 20 bar - 290 PSI • 600 RPM



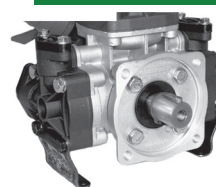
Alberi P. di F. disponibili *Available P.T.O. Shaft*

IOTA 20



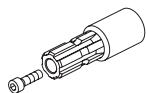
3-9-10-15

IOTA 25 GR

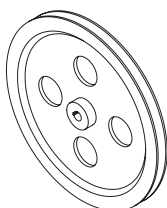


1-4-14-15

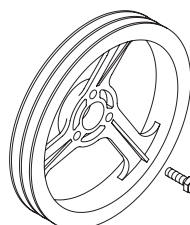
Applicazioni *Shaft Adaptors*



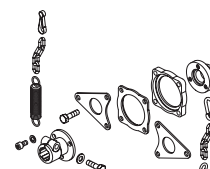
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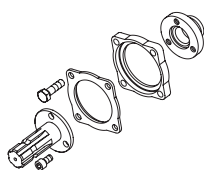
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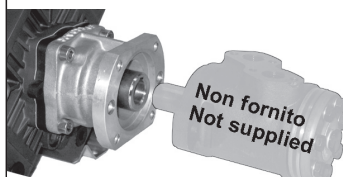
4



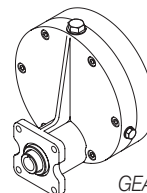
9



10



14

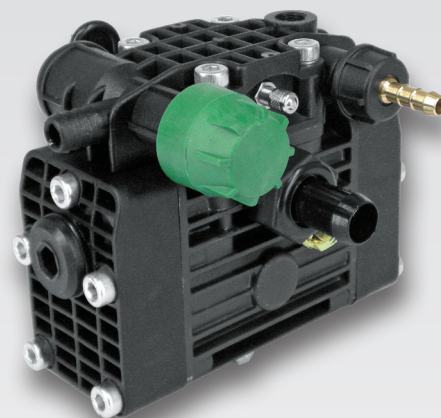
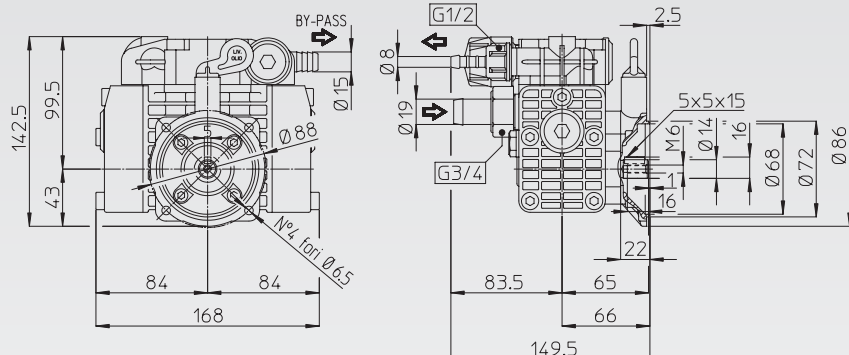


RIDUTTORI **15**
Vedi pag. 38
GEAR REDUCTIONS **15**
See page 38

MOD.	RPM	0 bar / 0 PSI				5 bar / 72 PSI				10 bar / 145 PSI				15 bar / 217 PSI				20 bar / 290 PSI					
IOTA 20		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight	
		l/min	GPM	HP	KW	l/min	GPM	HP	KW	l/min	GPM	HP	KW	l/min	GPM	HP	KW	l/min	GPM	HP	KW	Kg	
	450	15.9	4.9	0.2	0.1	12.6	3.3	0.3	0.2	12.2	3.2	0.3	0.3	11.9	3.1	0.5	0.3	11.7	3.1	0.6	0.5	3.9	
	500	16.8	4.4	0.2	0.1	14.1	3.7	0.3	0.2	13.7	3.6	0.4	0.3	13.4	3.5	0.5	0.4	13.2	3.5	0.7	0.5		
	550	17.6	4.6	0.2	0.1	15.3	4.0	0.3	0.2	14.9	3.9	0.4	0.3	14.6	3.9	0.6	0.4	14.4	3.8	0.8	0.6		
600	19.0	5.0	0.2	0.1	16.9	4.5	0.3	0.2	16.5	4.4	0.5	0.3	16.2	4.3	0.6	0.5	16.0	4.2	0.8	0.6			
IOTA 25	450	18.5	4.9	0.2	0.1	16.8	4.4	0.3	0.2	16.4	4.3	0.5	0.3	16.1	4.3	0.6	0.5	15.9	4.2	0.8	0.6	4.2	
	500	20.9	5.5	0.2	0.2	18.5	4.9	0.4	0.3	18.1	4.8	0.5	0.4	17.8	4.7	0.7	0.5	17.6	4.6	0.9	0.7		
	550	22.5	5.9	0.2	0.2	20.2	5.3	0.4	0.3	19.8	5.2	0.6	0.4	19.5	5.2	0.8	0.6	19.3	5.1	1.0	0.7		
	600	24.0	7.0	0.2	0.2	22.1	5.8	0.4	0.3	21.7	5.7	0.6	0.5	21.4	5.7	0.9	0.6	21.2	5.6	1.1	0.8		

KAPPA 15 A

max. 16 l/min - 5 GPM • 20 bar - 290 PSI • 1450 RPM

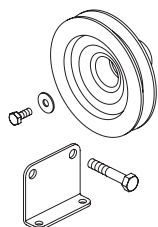


Alberi P. di F. disponibili *Available P.T.O. Shaft*

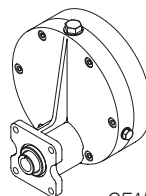


11-15

Applicazioni *Shaft Adaptors*



11



RIDUTTORI 15
Vedi pag. 38
GEAR REDUCTIONS 15
See page 38

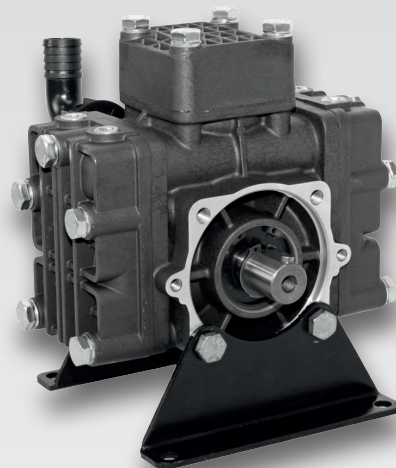
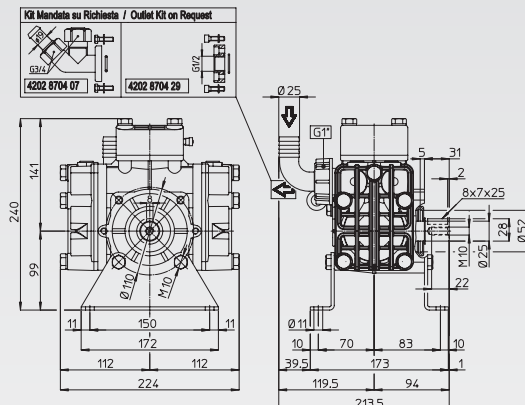
MOD.	RPM	0 bar / 0 PSI				5 bar / 72 PSI				10 bar / 145 PSI				15 bar / 217 PSI				20 bar / 290 PSI				
KAPPA 15 A		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight
		l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	Kg
	1300	14.0	3.7	0.1	0.1	11.2	3.0	0.2	0.2	10.5	2.8	0.3	0.2	10.2	2.7	0.4	0.3	10.0	2.6	0.5	0.4	2.5
	1350	14.5	3.8	0.1	0.1	11.5	3.0	0.2	0.2	10.7	2.8	0.3	0.2	10.4	2.7	0.4	0.3	10.2	2.7	0.5	0.4	
	1400	15.0	4.0	0.2	0.1	11.8	3.1	0.2	0.2	10.9	2.9	0.3	0.2	10.6	2.8	0.4	0.3	10.4	2.7	0.5	0.4	
	1450	16.0	5.0	0.2	0.1	12.1	3.2	0.2	0.2	11.1	2.9	0.3	0.2	10.8	2.9	0.4	0.3	10.6	2.8	0.6	0.4	

KAPPA 25

max. 30 l/min - 8 GPM • 30 bar - 435 PSI • 550 RPM

KAPPA 32

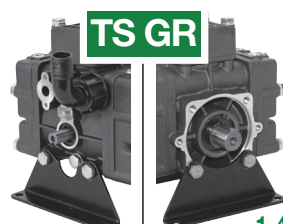
max. 36 l/min - 10 GPM • 30 bar - 435 PSI • 550 RPM



Alberi P. di F. disponibili Available P.T.O. Shaft



1-4-14-15

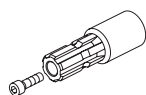


1-4-14-15

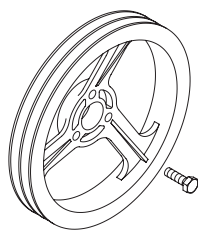
Per le dimensioni
degli Alberi P. di F.
vedi pag. 32

For P.T.O.
Shaft dimensions
see page 32

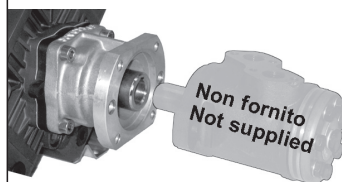
Applicazioni Shaft Adaptors



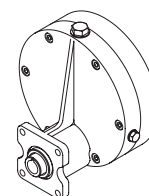
1



4



14



RIDUTTORI **15**
Vedi pag. 38

GEAR REDUCTIONS **15**
See page 38

MOD.	RPM	0 bar / 0 PSI				5 bar / 72 PSI				10 bar / 145 PSI				20 bar / 290 PSI				30 bar / 435 PSI					
KAPPA 25		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight	
		l/min	GPM	HP	KW	l/min	GPM	HP	KW	l/min	GPM	HP	KW	l/min	GPM	HP	KW	l/min	GPM	HP	KW	Kg	
	400	21.2	5.6	0.2	0.2	19.2	5.1	0.4	0.3	18.6	4.9	0.5	0.4	18.1	4.8	1.0	0.7	17.6	4.6	1.4	1.0	7.5	
	450	24.0	6.3	0.2	0.2	21.2	5.6	0.4	0.3	20.5	5.4	0.6	0.4	19.9	5.3	1.0	0.8	19.4	5.1	1.5	1.1		
	500	26.8	7.1	0.3	0.2	23.2	6.1	0.5	0.3	22.4	5.9	0.6	0.5	21.7	5.7	1.1	0.8	21.2	5.6	1.7	1.2		
550	30.0	8.0	0.3	0.2	25.2	6.7	0.5	0.4	24.3	6.4	0.7	0.5	23.5	6.2	1.2	0.9	23.0	6.1	1.8	1.3			
KAPPA 32	400	28.6	7.6	0.3	0.2	22.2	5.9	0.4	0.3	21.6	5.7	0.6	0.5	21.1	5.6	1.1	0.8	20.7	5.5	1.6	1.2	7.5	
	450	31.0	8.2	0.3	0.2	24.6	6.5	0.5	0.4	24.0	6.3	0.7	0.5	23.5	6.2	1.2	0.9	23.1	6.1	1.8	1.3		
	500	33.4	8.8	0.3	0.2	27.0	7.1	0.5	0.4	26.4	7.0	0.8	0.6	25.9	6.8	1.4	1.0	25.5	6.7	2.0	1.5		
	550	36.0	10.0	0.4	0.3	29.6	7.8	0.6	0.4	28.8	7.6	0.8	0.6	28.3	7.5	1.5	1.1	28.0	7.4	2.2	1.6		

KAPPA 33

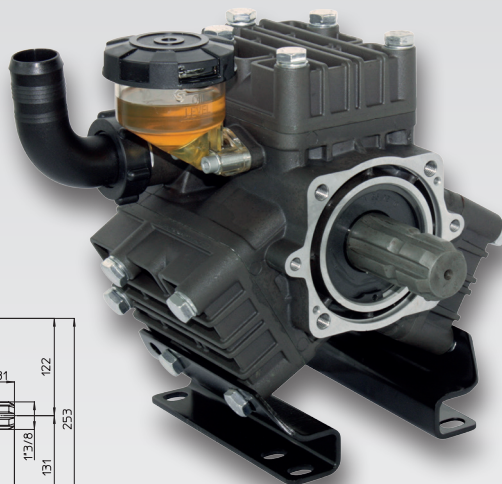
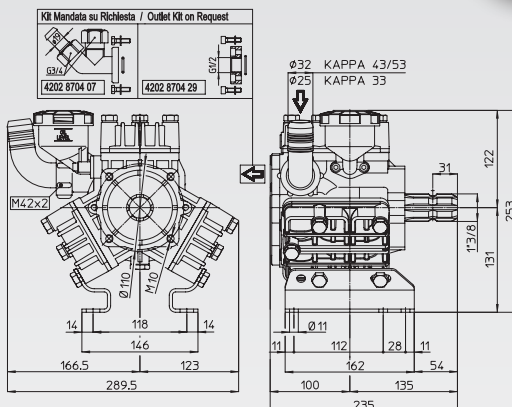
max. 33 l/min - 9 GPM • 40 bar - 580 PSI • 550 RPM

KAPPA 43

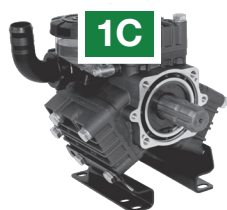
max. 46 l/min - 13 GPM • 40 bar - 580 PSI • 550 RPM

KAPPA 53

max. 55 l/min - 15 GPM • 40 bar - 580 PSI • 550 RPM



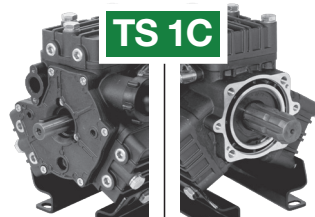
Alberi P. di F. disponibili Available P.T.O. Shaft



2



1-4-14-15



1

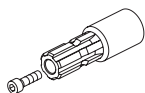
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Solo/Only KAPPA 43/KAPPA 53

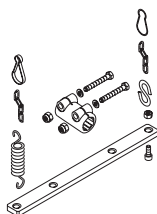
Per le dimensioni
degli Alberi P. di F.
vedi pag. 32

For P.T.O.
Shaft dimensions
see page 32

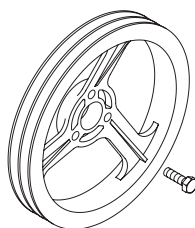
Applicazioni Shaft Adaptors



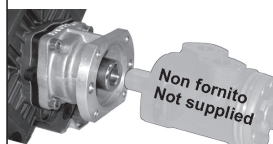
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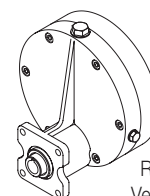
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4



14



RIDUTTORI 15
Vedi pag. 38/39

GEAR REDUCTIONS 15
See page 38/39

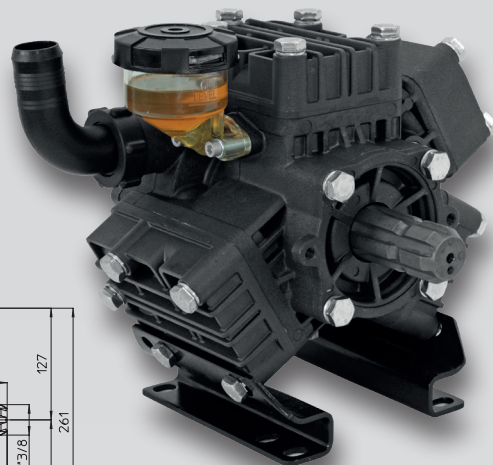
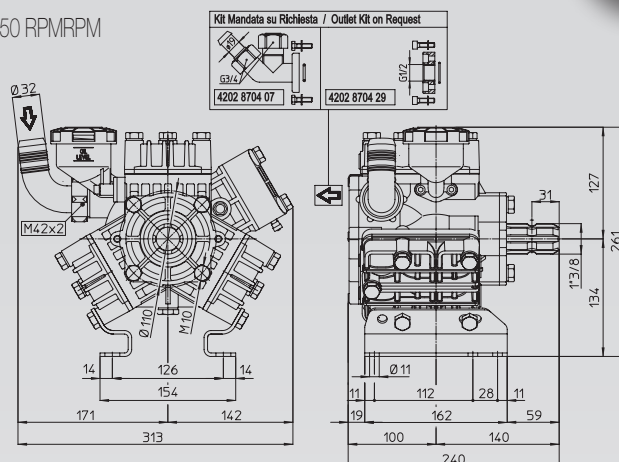
MOD.	RPM	0 bar / 0 PSI				10 bar / 145 PSI				20 bar / 290 PSI				30 bar / 435 PSI				40 bar / 580 PSI				Peso Weight
KAPPA 33		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Kg
		l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	
	400	24.1	6.4	0.2	0.2	21.9	5.8	0.6	0.5	21.3	5.6	1.1	0.8	20.9	5.5	1.6	1.2	20.5	5.4	2.1	1.5	
	450	27.0	7.1	0.3	0.2	24.7	6.5	0.7	0.5	24.1	6.4	1.3	0.9	23.7	6.3	1.8	1.4	23.3	6.2	2.4	1.8	
KAPPA 43	500	29.8	7.9	0.3	0.2	27.5	7.3	0.8	0.6	26.9	7.1	1.4	1.0	26.5	7.0	2.1	1.5	26.1	6.9	2.7	2.0	11
	550	33.0	9.0	0.3	0.2	30.2	8.0	0.9	0.6	29.6	7.8	1.6	1.1	29.2	7.7	2.3	1.7	28.8	7.6	3.0	2.2	
	400	33.7	8.9	0.3	0.2	31.8	8.4	0.9	0.7	31.4	8.3	1.7	1.2	31.1	8.2	2.4	1.8	30.8	8.1	3.2	2.3	
	450	38.0	10.0	0.4	0.3	36.0	9.5	1.0	0.8	35.6	9.4	1.9	1.4	35.3	9.3	2.7	2.0	35.0	9.2	3.6	2.6	
KAPPA 53	500	42.2	11.1	0.4	0.3	40.1	10.6	1.1	0.8	39.7	10.5	2.1	1.5	39.4	10.4	3.1	2.3	39.1	10.3	4.0	2.9	11
	550	46.0	13.0	0.5	0.3	43.5	11.5	1.2	0.9	43.1	11.4	2.3	1.7	42.7	11.3	3.3	2.4	42.3	11.2	4.3	3.2	
	400	40.2	10.6	0.4	0.3	38.2	10.1	1.1	0.8	37.8	10.0	2.0	1.5	37.4	9.9	2.9	2.1	37.0	9.8	3.8	2.8	
	450	45.0	11.9	0.4	0.3	42.9	11.3	1.2	0.9	42.4	11.2	2.2	1.6	42.0	11.1	3.3	2.4	41.6	11.0	4.3	3.1	
KAPPA 53	500	49.7	13.1	0.5	0.4	47.5	12.5	1.4	1.0	47.0	12.4	2.5	1.8	46.6	12.3	3.6	2.7	46.2	12.2	4.7	3.5	11
	550	55.0	15.0	0.5	0.4	52.4	13.8	1.5	1.1	51.9	13.7	2.7	2.0	51.4	13.6	4.0	2.9	50.8	13.4	5.2	3.8	

KAPPA 55

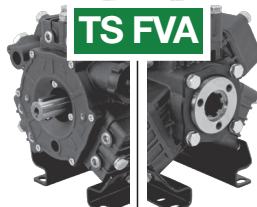
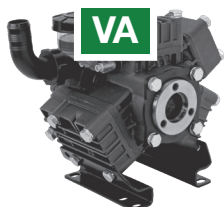
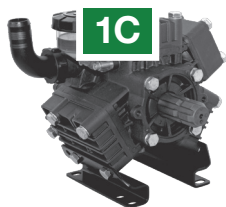
max. 57 l/min - 15 GPM • 40 bar - 580 PSI • 550 RPM

KAPPA 65

max. 67 l/min - 18 GPM • 40 bar - 580 PSI • 550 RPMRPM



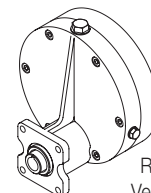
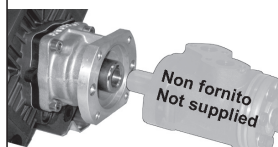
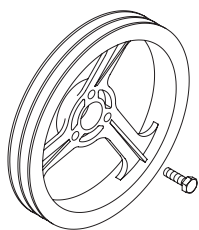
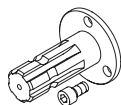
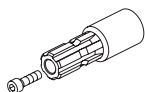
Alberi P. di F. disponibili *Available P.T.O. Shaft*



Per le dimensioni
degli Alberi P. di F.
vedi pag. 32

For P.T.O.
Shaft dimensions
see page 32

Applicazioni *Shaft Adaptors*



RIDUTTORI **15**
Vedi pag. 38/39

GEAR REDUCTIONS **15**
See page 38/39

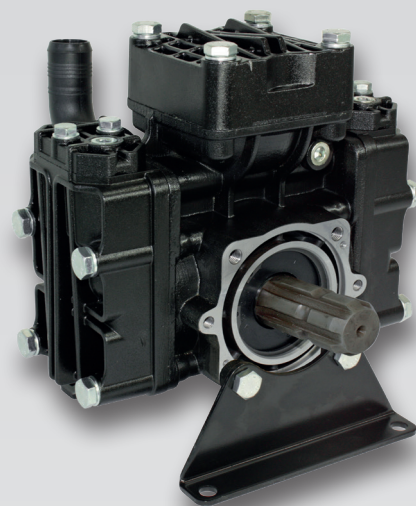
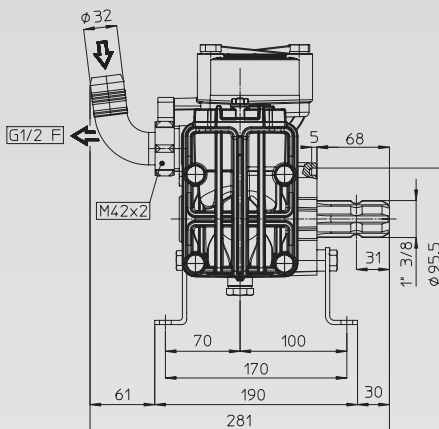
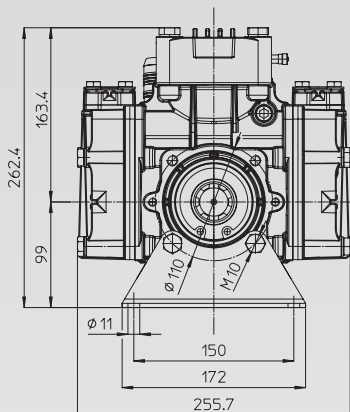
MOD.	RPM	0 bar / 0 PSI				10 bar / 145 PSI				20 bar / 290 PSI				30 bar / 435 PSI				40 bar / 580 PSI				
KAPPA 55		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight
		l/min	GPM	HP	KW	l/min	GPM	HP	KW	l/min	GPM	HP	KW	l/min	GPM	HP	KW	l/min	GPM	HP	KW	Kg
	400	41.5	11.0	0.4	0.3	39.1	10.3	1.1	0.8	38.6	10.2	2.0	1.5	38.4	10.1	3.0	2.2	38.2	10.1	3.9	2.9	13
	450	46.5	12.3	0.5	0.3	43.7	11.5	1.2	0.9	43.2	11.4	2.3	1.7	43.0	11.4	3.4	2.5	42.8	11.3	4.4	3.2	
	500	51.5	13.6	0.5	0.4	48.6	12.8	1.4	1.0	47.9	12.7	2.5	1.9	47.7	12.6	3.7	2.7	47.5	12.5	4.9	3.6	
550	57.0	15.0	0.6	0.4	53.6	14.2	1.5	1.1	53.0	14.0	2.8	2.1	52.8	13.9	4.1	3.0	52.6	13.9	5.4	4.0		
KAPPA 65	400	48.4	12.8	0.5	0.4	47.0	12.4	1.3	1.0	46.4	12.3	2.4	1.8	46.1	12.2	3.6	2.6	45.8	12.1	4.7	3.5	13
	450	54.4	14.4	0.5	0.4	53.0	14.0	1.5	1.1	52.4	13.8	2.8	2.0	52.1	13.8	4.1	3.0	51.8	13.7	5.3	3.9	
	500	60.3	15.9	0.6	0.4	58.8	15.5	1.7	1.2	58.3	15.4	3.1	2.3	58.0	15.3	4.5	3.3	57.7	15.2	5.9	4.3	
	550	67.0	18.0	0.7	0.5	64.8	17.1	1.9	1.4	64.2	17.0	3.4	2.5	63.9	16.9	5.0	3.7	63.6	16.8	6.5	4.8	

DELTA 40

max. 49 l/min - 13 GPM • 40 bar - 580 PSI • 550 RPM

DELTA 50

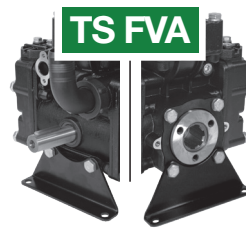
max. 54 l/min - 15 GPM • 40 bar - 580 PSI • 550 RPM



Alberi P. di F. disponibili Available P.T.O. Shaft


1C
2

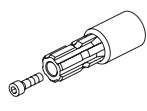
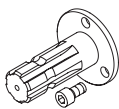
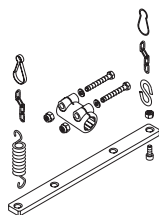
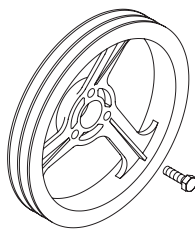
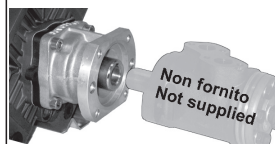
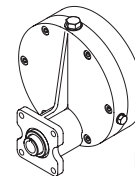
GR
1-4-14-15

TS 1C
1

TS FVA
2
1
4-5-14-15

Per le dimensioni degli Alberi P. di F. vedi pag. 32

For P.T.O. Shaft dimensions see page 32

Applicazioni Shaft Adaptors


1

5

2

4

14


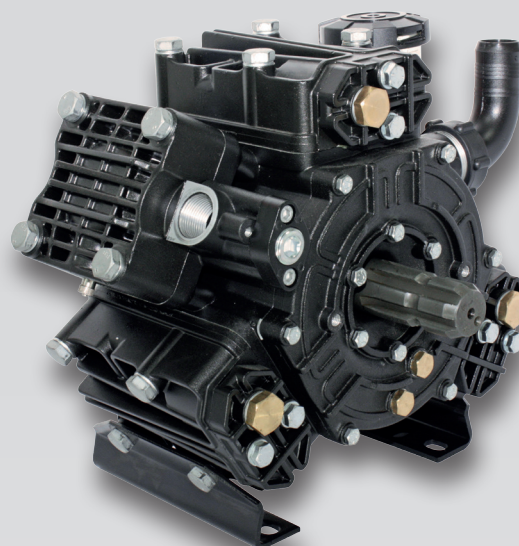
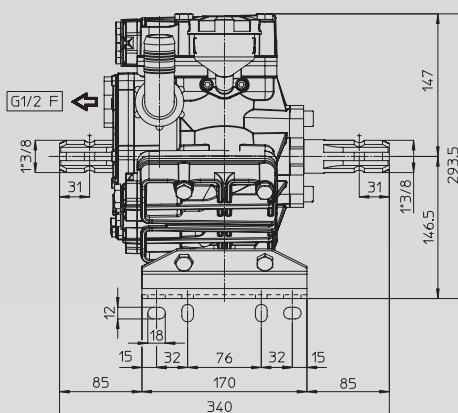
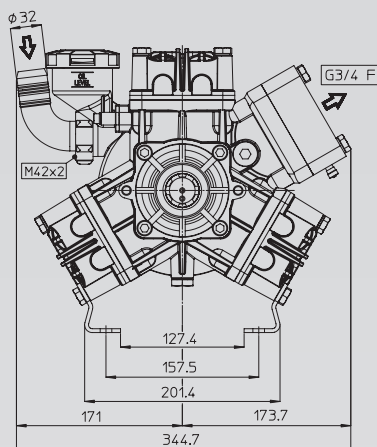
RIDUTTORI 15
Vedi pag. 38/39

GEAR REDUCTIONS 15
See page 38/39

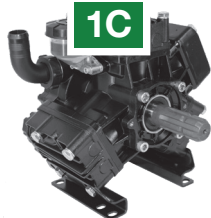
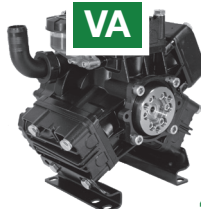
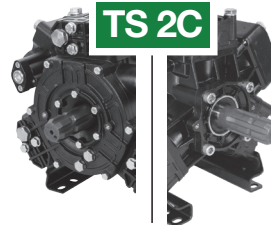
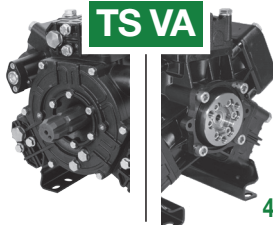
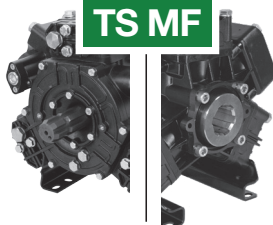
MOD.	RPM	0 bar / 0 PSI				10 bar / 145 PSI				20 bar / 290 PSI				30 bar / 435 PSI				40 bar / 580 PSI					
DELTA 40	400 450 500 550	Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight	
		l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	Kg	
		37.8	10.0	0.4	0.3	26.8	7.1	0.8	0.6	26.3	6.9	1.4	1.0	25.9	6.8	2.0	1.5	25.6	6.8	2.6	1.9	11	
		41.2	10.9	0.4	0.3	30.2	8.0	0.9	0.6	29.7	7.8	1.6	1.1	29.3	7.7	2.3	1.7	29.0	7.7	3.0	2.2		
		44.7	11.8	0.4	0.3	33.6	8.9	1.0	0.7	33.1	8.7	1.7	1.3	32.7	8.6	2.5	1.9	32.4	8.6	3.3	2.4		
49.0	13.0	0.5	0.4	36.9	9.7	1.1	0.8	36.4	9.6	1.9	1.4	36.0	9.5	2.8	2.1	35.7	9.4	3.7	2.7				
DELTA 50	400 450 500 550	41.6	11.0	0.4	0.3	31.7	8.4	0.9	0.7	31.1	8.2	1.6	1.2	30.6	8.1	2.4	1.8	30.2	8.0	3.1	2.3	11	
		46.1	12.2	0.5	0.3	36.2	9.6	1.0	0.8	35.6	9.4	1.9	1.4	35.1	9.3	2.7	2.0	34.7	9.2	3.6	2.6		
		50.0	13.2	0.5	0.4	40.1	10.6	1.1	0.8	39.5	10.4	2.1	1.5	39.0	10.3	3.0	2.2	38.6	10.2	4.0	2.9		
		54.0	15.0	0.5	0.4	43.4	11.5	1.2	0.9	42.8	11.3	2.3	1.7	42.3	11.2	3.3	2.4	42.0	11.1	4.3	3.2		

DELTA 75

max. 79 l/min - 21 GPM • 40 bar - 580 PSI • 550 RPM



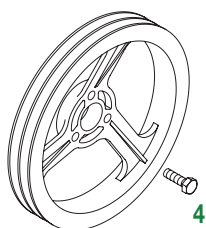
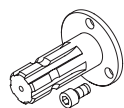
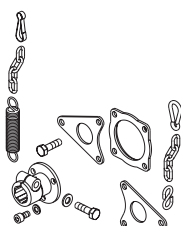
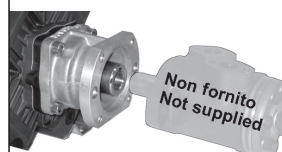
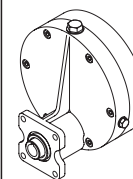
Alberi P. di F. disponibili Available P.T.O. Shaft

1C

VA

4-5-6-14-15
TS 2C

TS VA

4-5-6-14-15
TS MF


Per le dimensioni
degli Alberi P. di F.
vedi pag. 32

For P.T.O.
Shaft dimensions
see page 32

Applicazioni Shaft Adaptors

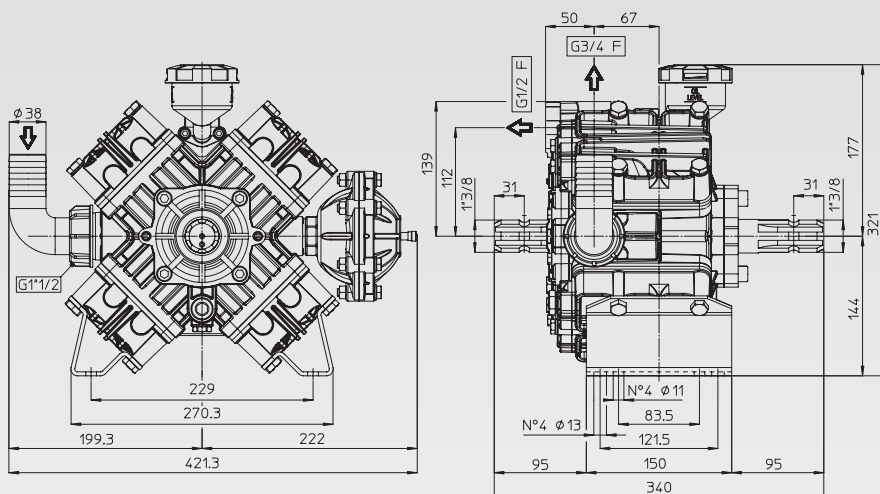

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6

14


RIDUTTORI 15
Vedi pag. 38/39
GEAR REDUCTIONS 15
See page 38/39

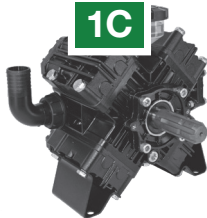
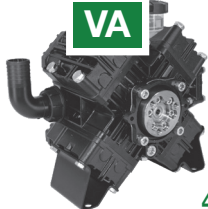
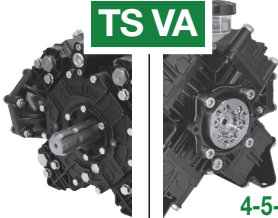
MOD.	RPM	0 bar / 0 PSI				10 bar / 145 PSI				20 bar / 290 PSI				30 bar / 435 PSI				40 bar / 580 PSI					
DELTA 75		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight	
		l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	Kg	
	400	60.4	16.0	0.6	0.4	58.9	15.6	1.7	1.2	58.5	15.5	3.1	2.3	58.1	15.4	4.5	3.3	57.7	15.2	5.9	4.3	19	
	450	67.2	17.8	0.7	0.5	65.7	17.4	1.9	1.4	65.2	17.2	3.4	2.5	64.7	17.1	5.0	3.7	64.2	17.0	6.6	4.8		
	500	73.7	19.5	0.7	0.5	72.2	19.1	2.1	1.5	71.6	18.9	3.8	2.8	71.0	18.8	5.5	4.1	70.4	18.6	7.2	5.3		
	550	79.0	21.0	0.8	0.6	77.1	20.4	2.2	1.6	76.4	20.2	4.0	3.0	75.7	20.0	5.9	4.3	75.0	19.8	7.7	5.7		

DELTA 100

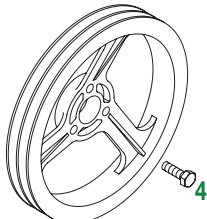
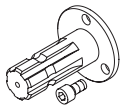
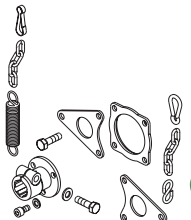
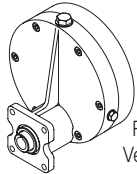
max. 104 l/min - 28 GPM • 40 bar - 580 PSI • 550 RPM



Alberi P. di F. disponibili *Available P.T.O. Shaft*

 1C	 VA 4-5-6-14-15	 TS 2C
 TS VA 4-5-6-14-15	 TS MF	Per le dimensioni degli Alberi P. di F. vedi pag. 32 <i>For P.T.O. Shaft dimensions see page 32</i>

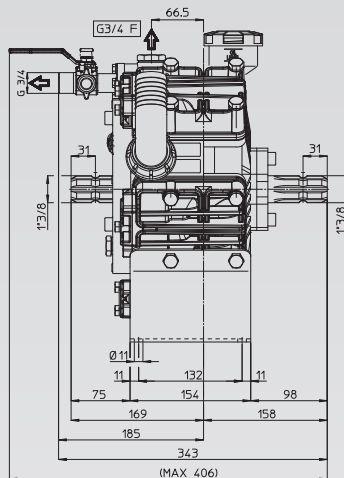
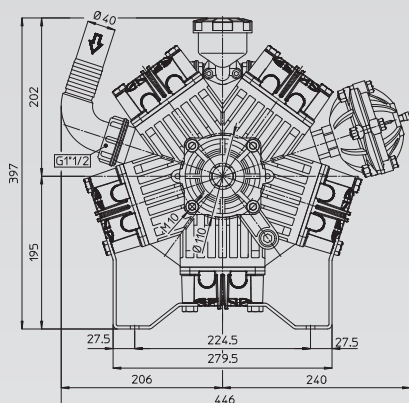
Applicazioni *Shaft Adaptors*

 4	 5	 6	 14 Non fornito Not supplied	 15 RIDUTTORI Vedi pag. 38/39 GEAR REDUCTIONS See page 38/39
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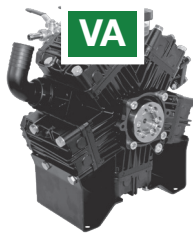
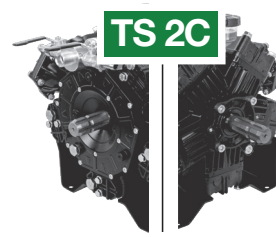
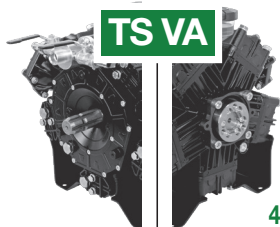
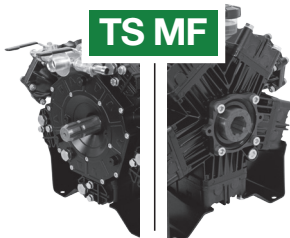
MOD.	RPM	0 bar / 0 PSI				10 bar / 145 PSI				20 bar / 290 PSI				30 bar / 435 PSI				40 bar / 580 PSI					
DELTA 100		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight	
		I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	Kg	
	400	80.3	21.2	0.8	0.6	75.7	20.0	2.2	1.6	74.8	19.8	3.9	2.9	73.9	19.5	5.8	4.2	73.0	19.3	7.5	5.5	22	
	450	90.2	23.8	0.9	0.7	85.2	22.5	2.4	1.8	84.8	22.4	4.5	3.3	84.0	22.2	6.5	4.8	83.2	22.0	8.5	6.3		
	500	99.1	26.2	1.0	0.7	94.5	25.0	2.7	2.0	93.7	24.8	4.9	3.6	92.9	24.5	7.2	5.3	92.1	24.3	9.4	6.9		
550	104.0	28.0	1.0	0.8	101.0	26.7	2.9	2.1	100.4	26.5	5.3	3.9	99.7	26.3	7.8	5.7	99.0	26.2	10.2	7.5			

DELTA 125

max. 126 l/min - 34 GPM • 40 bar - 580 PSI • 550 RPM



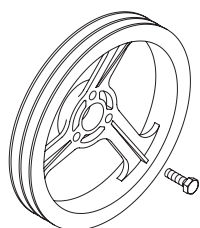
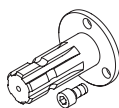
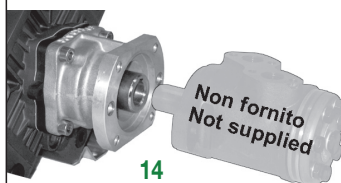
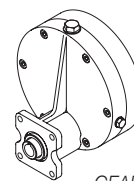
Alberi P. di F. disponibili Available P.T.O. Shaft


1C

VA
4-5-14-15

TS 2C

TS VA
4-5-14-15

TS MF

Per le dimensioni
degli Alberi P. di F.
vedi pag. 32

For P.T.O.
Shaft dimensions
see page 32

Applicazioni Shaft Adaptors

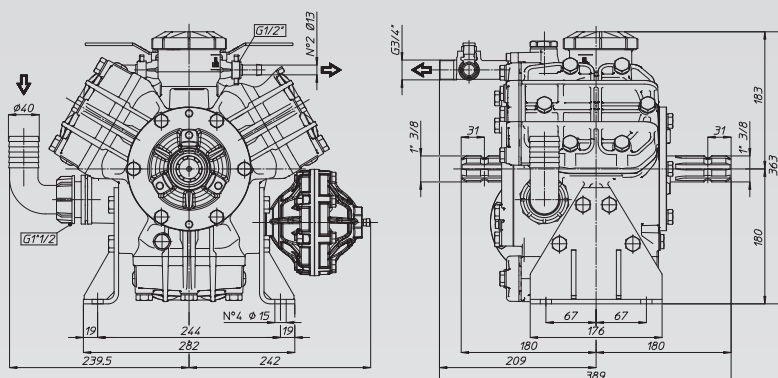
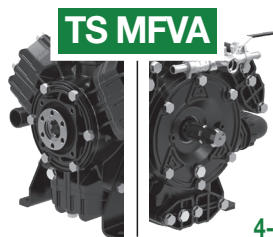

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14


RIDUTTORI **15**
Vedi pag. 39

GEAR REDUCTIONS **15**
See page 39

MOD.	RPM	0 bar / 0 PSI				10 bar / 145 PSI				20 bar / 290 PSI				30 bar / 435 PSI				40 bar / 580 PSI					
DELTA 125		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight	
		I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	Kg	
	400	95.6	25.3	1.0	0.7	92.0	24.3	2.6	1.9	91.2	24.1	4.8	3.5	90.4	23.9	7.0	5.2	89.7	23.7	9.2	6.8	29	
	450	107.2	28.3	1.1	0.8	103.5	27.3	3.0	2.2	102.5	27.1	5.4	4.0	101.5	26.8	7.9	5.8	100.7	26.6	10.3	7.6		
	500	117.6	31.1	1.2	0.9	113.8	30.1	3.3	2.4	112.7	29.8	5.9	4.4	111.7	29.5	8.7	6.4	110.9	29.3	11.4	8.4		
	550	126.0	34.0	1.3	0.9	121.3	32.0	3.5	2.5	120.2	31.8	6.3	4.6	119.2	31.5	9.3	6.8	118.4	31.3	12.1	8.9		

max. 138 l/min - 36,4 GPM • 50 bar - 725 PSI • 550 RPM

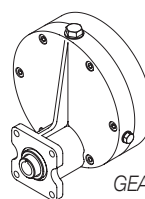
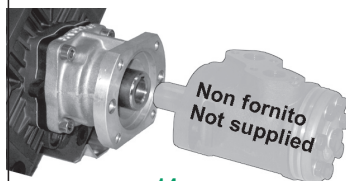
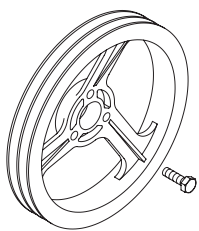
**Alberi P. di F. disponibili** *Available P.T.O. Shaft*

Per le dimensioni
degli Alberi P. di F.
vedi pag. 32

For P.T.O.
Shaft dimensions
see page 32

4-14-15

Applicazioni *Shaft Adaptors*



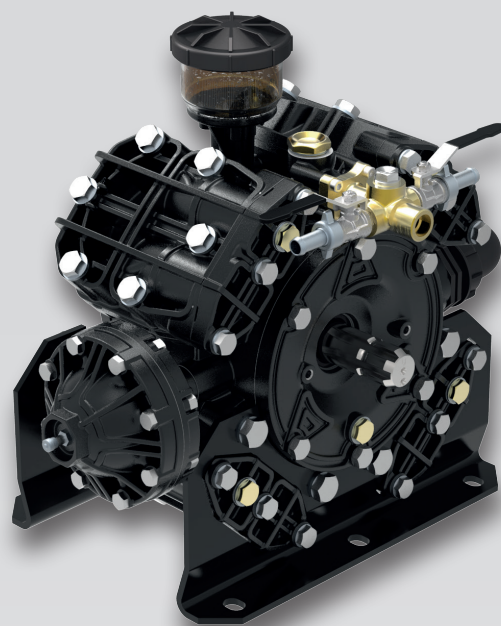
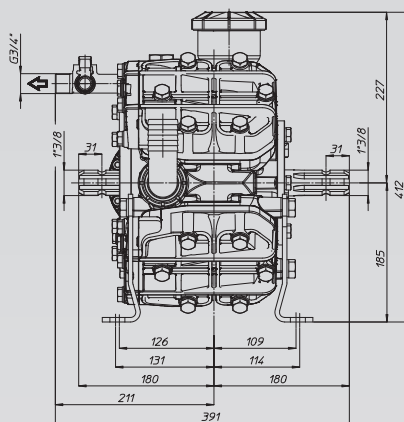
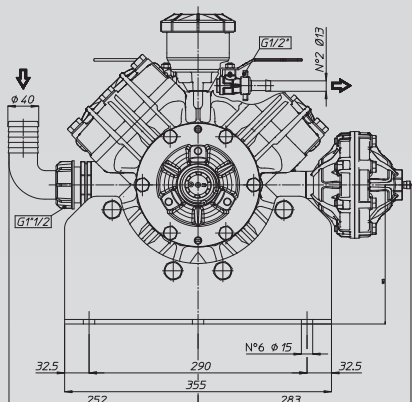
RIDUTTORI **15**
Vedi pag. 39

GEAR REDUCTIONS **15**
See page 39

MOD.	RPM	0 bar / 0 PSI				20 bar / 290 PSI				30 bar / 435 PSI				40 bar / 580 PSI				50 bar / 725 PSI					
DELTA 140		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight	
		I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	Kg	
	400	102,4	27,1	1,0	0,7	99,1	26,2	5,2	3,9	98,0	25,9	7,6	5,6	96,9	25,6	10,0	7,3	95,9	25,3	12,4	9,1	36	
	450	114,3	30,2	1,1	0,8	110,7	29,2	5,8	4,3	109,6	28,9	8,5	6,3	108,4	28,7	11,1	8,2	107,4	28,4	13,8	10,1		
	500	127,6	33,7	1,2	0,9	121,9	32,2	6,2	4,6	120,8	31,9	9,2	6,9	119,7	31,6	12,0	8,9	118,7	31,4	14,9	11,0		
	550	137,8	36,4	1,4	1,0	133,0	35,1	6,7	5,0	131,9	34,8	9,8	7,3	130,8	34,6	12,9	9,5	129,8	34,3	16,0	11,7		

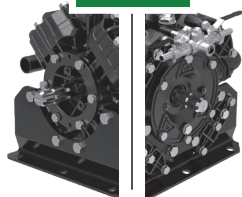
DELTA 170

max. 179,2 l/min - 47,3 GPM • 50 bar - 725 PSI • 550 RPM

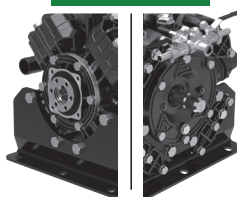


Alberi P. di F. disponibili *Available P.T.O. Shaft*

TS 2C



TS MFVA

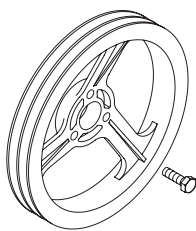


4-14-15

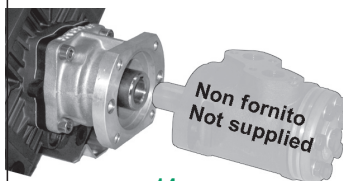
Per le dimensioni
degli Alberi P. di F.
vedi pag. 32

For P.T.O.
Shaft dimensions
see page 32

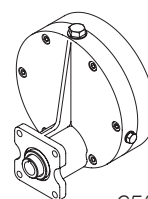
Applicazioni *Shaft Adaptors*



4



14



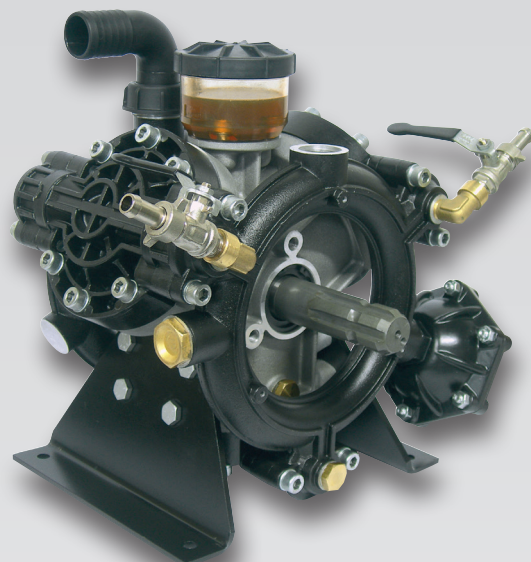
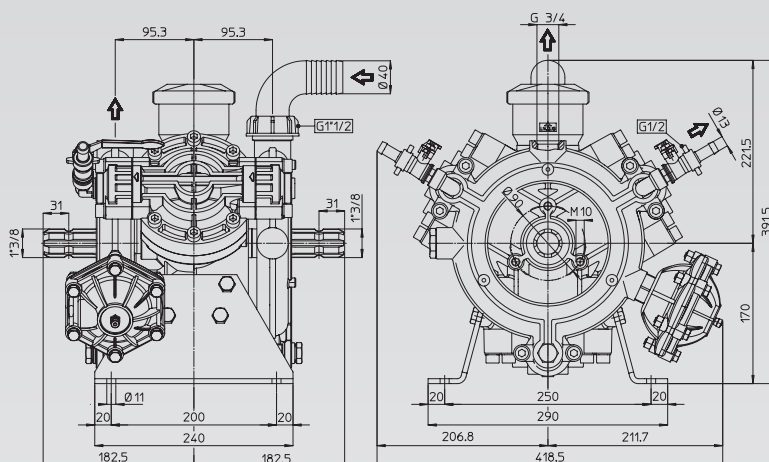
RIDUTTORI **15**
Vedi pag. 39

GEAR REDUCTIONS **15**
See page 39

MOD.	RPM	0 bar / 0 PSI				20 bar / 290 PSI				30 bar / 435 PSI				40 bar / 580 PSI				50 bar / 725 PSI					
DELTA 170		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight	
		I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	Kg	
	400	136,0	35,9	1,3	1,0	132,3	35,0	6,9	5,1	131,6	34,8	10,1	7,5	130,9	34,6	13,3	9,7	130,2	34,4	16,5	12,1	43	
	450	152,4	40,3	1,5	1,1	148,0	39,1	7,7	5,7	147,1	38,9	11,3	8,4	146,2	38,6	14,8	10,9	145,3	38,4	18,4	13,5		
	500	166,8	44,1	1,6	1,2	160,5	42,4	8,3	6,2	159,3	42,1	12,3	9,2	158,2	41,8	16,0	11,8	157,1	41,5	19,9	14,6		
	550	179,2	47,3	1,8	1,3	172,0	45,4	8,9	6,6	170,7	45,1	13,1	9,8	169,4	44,7	17,2	12,6	168,0	44,4	21,3	15,6		

OMEGA 135

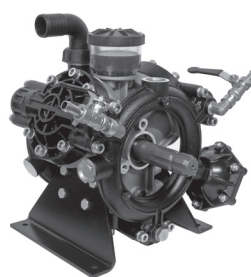
max. 137 l/min - 37 GPM • 40 bar - 580 PSI • 550 RPM



Alberi P. di F. disponibili *Available P.T.O. Shaft*



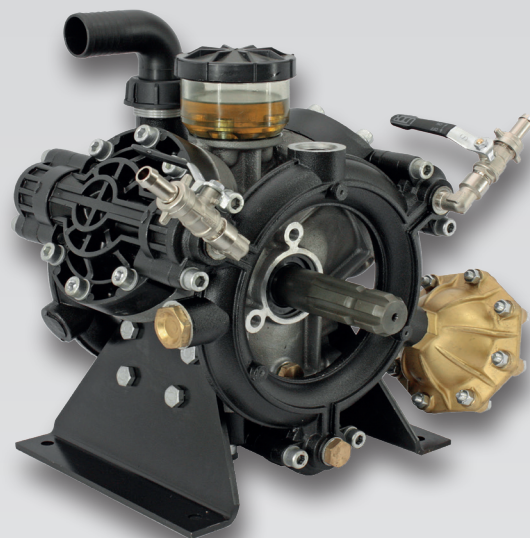
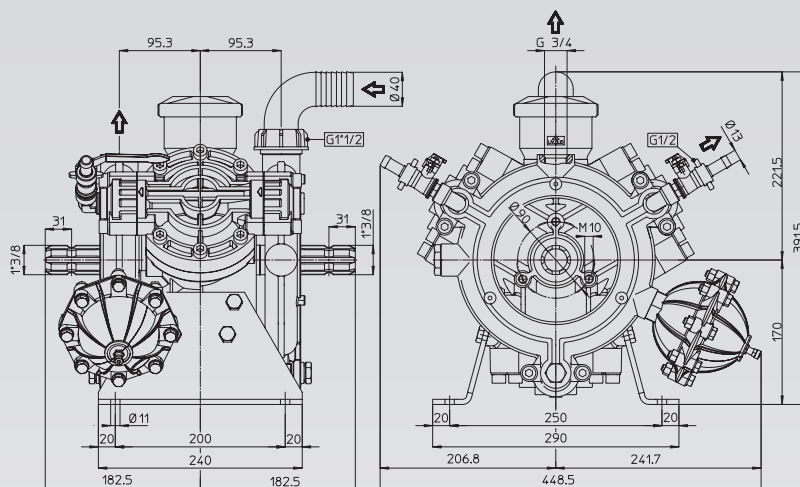
TS 2C



MOD.	RPM	0 bar / 0 PSI				10 bar / 145 PSI				20 bar / 290 PSI				30 bar / 435 PSI				40 bar / 580 PSI				Peso
OMEGA 135		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso
		l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	Kg
	400	101.8	26.9	1.0	0.7	99.6	26.3	2.8	2.1	98.5	26.0	5.2	3.8	97.4	25.7	7.6	5.6	96.3	25.4	9.9	7.3	29
	450	113.6	30.0	1.1	0.8	111.1	29.4	3.2	2.3	110.0	29.1	5.8	4.3	108.9	28.8	8.5	6.2	107.8	28.5	11.1	8.1	
	500	126.8	33.5	1.3	0.9	122.3	32.3	3.5	2.6	121.2	32.0	6.4	4.7	120.1	31.7	9.4	6.9	119.0	31.4	12.2	9.0	
	550	137.0	37.0	1.4	1.0	133.3	35.6	3.8	2.8	132.2	34.9	7.0	5.1	131.1	34.6	10.2	7.5	130.0	34.3	13.3	9.8	

OMEGA 139

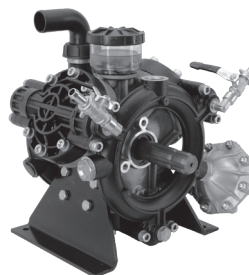
max. 137 l/min - 37 GPM • 50 bar - 725 PSI • 550 RPM



Alberi P. di F. disponibili *Available P.T.O. Shaft*



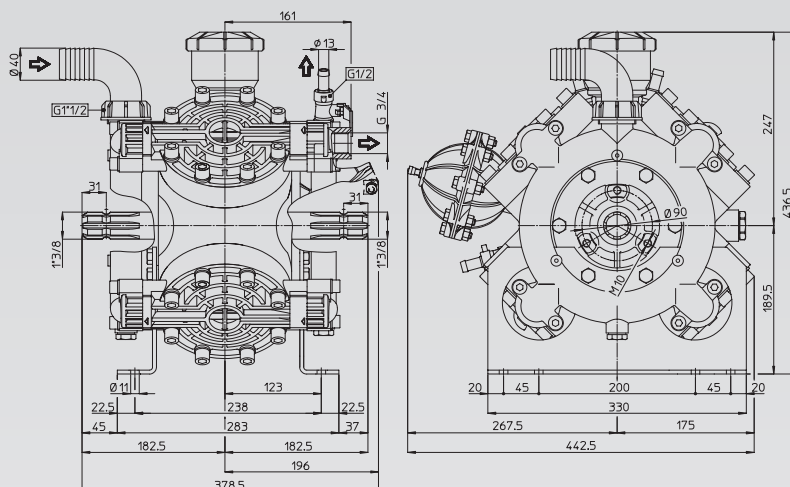
TS 2C



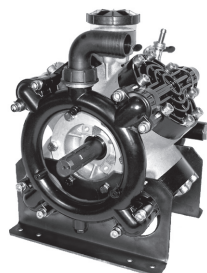
MOD.	RPM	0 bar / 0 PSI				20 bar / 290 PSI				30 bar / 435 PSI				40 bar / 580 PSI				50 bar / 725 PSI				Peso
OMEGA 139		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Kg
		l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	
	400	101.8	26.9	1.0	0.7	98.5	26.0	5.2	3.8	97.4	25.7	7.6	5.6	96.3	25.4	9.9	7.3	95.3	25.2	12.2	9.0	
	450	113.6	30.0	1.1	0.8	110.0	29.1	5.8	4.3	108.9	28.8	8.5	6.2	107.8	28.5	11.1	8.1	106.8	28.2	13.7	10.1	
	500	126.8	33.5	1.3	0.9	121.2	32.0	6.4	4.7	120.1	31.7	9.4	6.9	119.0	31.4	12.2	9.0	118.0	31.2	15.1	11.1	
	550	137.0	37.0	1.4	1.0	132.2	34.9	7.0	5.1	131.1	34.6	10.2	7.5	130.0	34.3	13.3	9.8	129.0	34.1	16.5	12.2	29

OMEGA 170

max. 177 l/min - 47 GPM • 50 bar - 725 PSI • 550 RPM



Alberi P. di F. disponibili *Available P.T.O. Shaft*



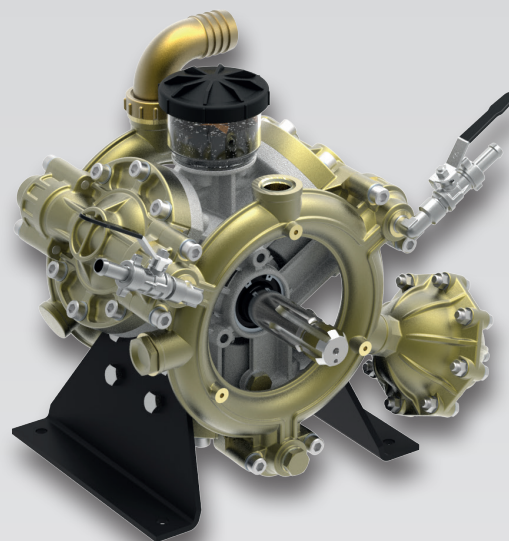
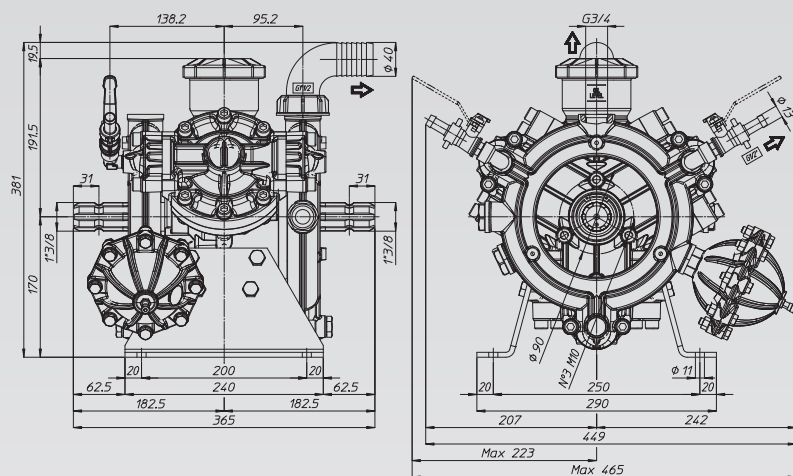
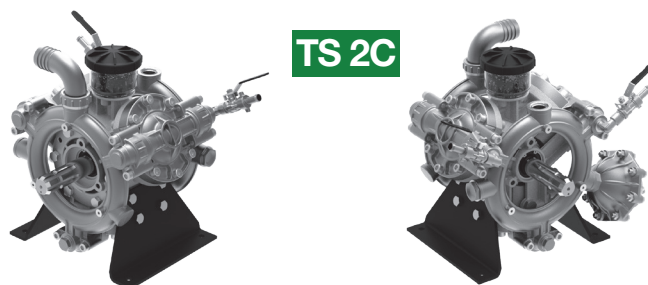
TS 2C



MOD.	RPM	0 bar / 0 PSI				20 bar / 290 PSI				30 bar / 435 PSI				40 bar / 580 PSI				50 bar / 725 PSI				Peso Weight
OMEGA 170		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		46
		l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	
	400	134.3	35.5	1.3	1.0	130.7	34.5	6.9	5.1	130.0	34.3	10.1	7.4	129.3	34.2	13.3	9.7	128.6	34.0	16.5	12.1	
	450	150.5	39.8	1.5	1.1	146.2	38.6	7.7	5.7	145.3	38.4	11.3	8.3	144.4	38.2	14.8	10.9	143.5	37.9	18.4	13.5	
	500	164.8	43.5	1.6	1.2	158.5	41.9	8.3	6.1	157.4	41.6	12.3	9.0	156.3	41.3	16.0	11.8	155.2	41.0	19.9	14.6	
	550	177.0	47.0	1.8	1.3	169.9	44.9	8.9	6.6	168.6	44.5	13.1	9.7	167.3	44.2	17.2	12.6	166.0	43.9	21.3	15.6	

BETA-S 135

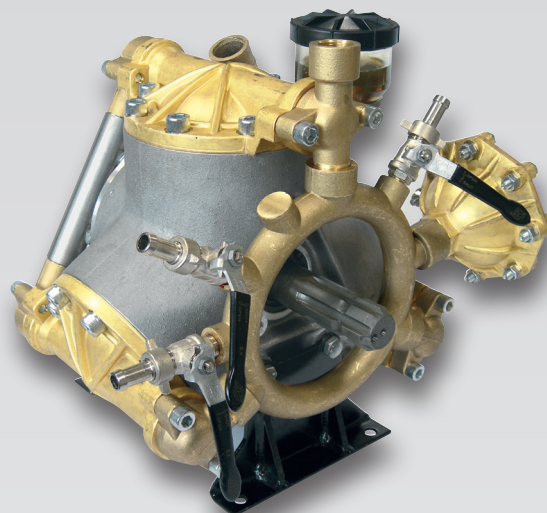
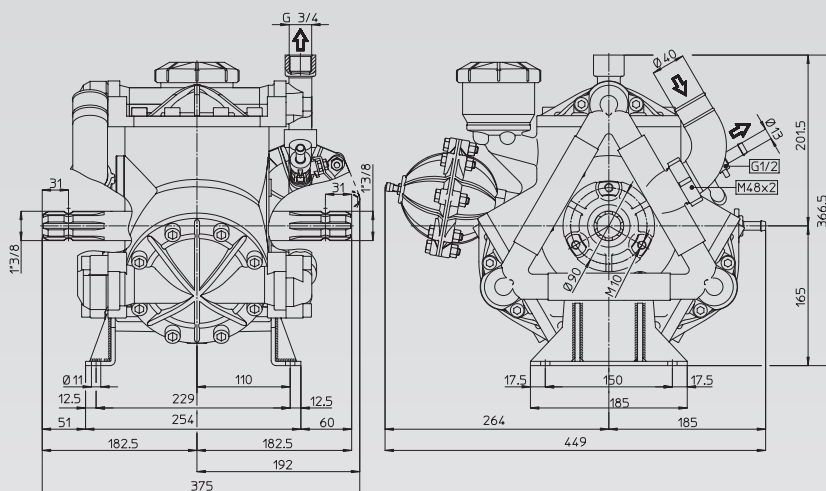
max. 137 l/min - 37 GPM • 50 bar - 725 PSI • 550 RPM

**Alberi P. di F. disponibili** *Available P.T.O. Shaft*

MOD.	RPM	0 bar / 0 PSI				20 bar / 290 PSI				30 bar / 435 PSI				40 bar / 580 PSI				50 bar / 725 PSI				
BETA-S 135		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight
		l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	Kg
	400	101.8	26.9	1.0	0.7	98.5	26.0	5.2	3.8	97.4	25.7	7.6	5.6	96.3	25.4	9.9	7.3	95.3	25.2	12.2	9.0	29
	450	113.6	30.0	1.1	0.8	110.0	29.1	5.8	4.3	108.9	28.8	8.5	6.2	107.8	28.5	11.1	8.1	106.8	28.2	13.7	10.1	
	500	126.8	33.5	1.3	0.9	121.2	32.0	6.4	4.7	120.1	31.7	9.4	6.9	119.0	31.4	12.2	9.0	118.0	31.2	15.1	11.1	
	550	137.0	37.0	1.4	1.0	132.2	34.9	7.0	5.1	131.1	34.6	10.2	7.5	130.0	34.3	13.3	9.8	129.0	34.1	16.5	12.2	

BETA 110

max. 128 l/min - 34 GPM • 50 bar - 725 PSI • 550 RPM



Alberi P. di F. disponibili *Available P.T.O. Shaft*

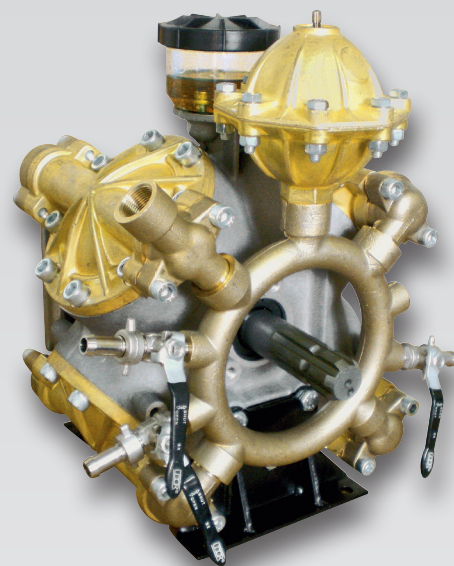
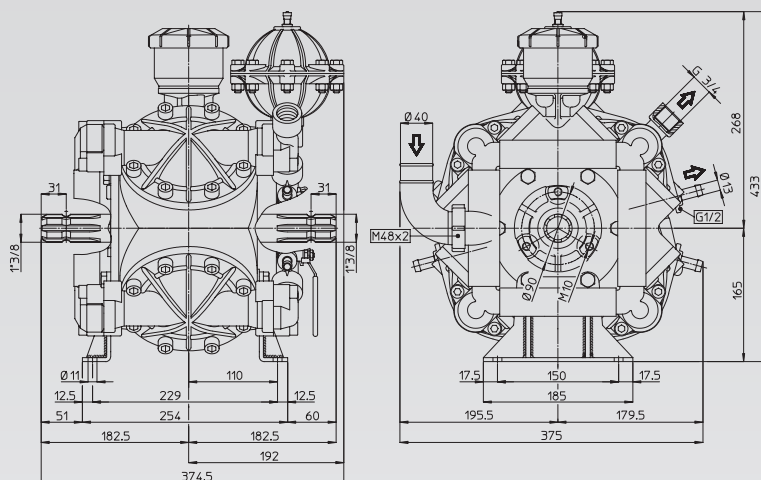
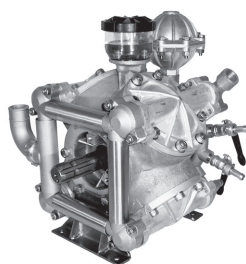


TS 2C

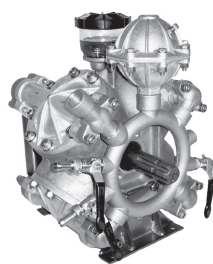
MOD.	RPM	0 bar / 0 PSI				20 bar / 290 PSI				30 bar / 435 PSI				40 bar / 580 PSI				50 bar / 725 PSI				Peso Weight
BETA 110		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Kg
		l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	
	400	96.0	25.4	1.0	0.7	93.0	24.6	4.9	3.6	92.6	24.5	7.2	5.3	92.2	24.4	9.5	7.0	91.8	24.3	11.8	8.7	
	450	107.5	28.4	1.1	0.8	104.3	27.6	5.5	4.0	103.8	27.4	8.1	5.9	103.3	27.3	10.6	7.8	102.8	27.2	13.2	9.7	
	500	118.2	31.2	1.2	0.9	114.5	30.3	6.0	4.4	114.0	30.1	8.9	6.5	113.5	30.0	11.6	8.6	113.0	29.9	14.5	10.6	
	550	128.0	34.0	1.3	0.9	123.0	32.5	6.5	4.8	122.5	32.4	9.5	7.0	122.0	32.2	12.5	9.2	121.5	32.1	15.6	11.4	45

BETA 170

max. 170 l/min - 45 GPM • 50 bar - 725 PSI • 550 RPM

**Alberi P. di F. disponibili** *Available P.T.O. Shaft*

TS 2C



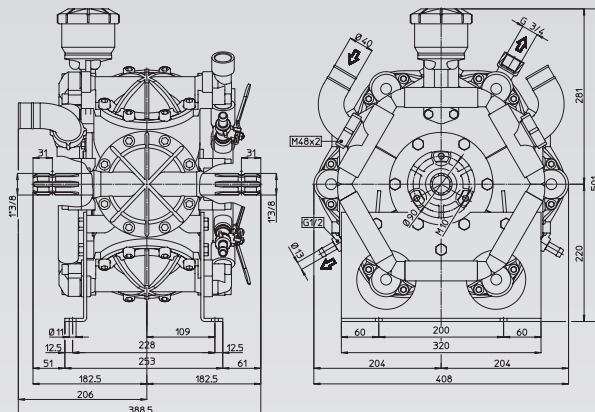
MOD.	RPM	0 bar / 0 PSI				20 bar / 290 PSI				30 bar / 435 PSI				40 bar / 580 PSI				50 bar / 725 PSI					
BETA 170		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight	
		I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	I/min	GPM	HP	kW	Kg	
	400	127.5	33.7	1.3	0.9	123.9	32.7	6.5	4.8	123.0	32.5	9.6	7.0	122.1	32.3	12.5	9.2	121.2	32.0	15.5	11.4	52	
	450	143.2	37.8	1.4	1.1	139.2	36.8	7.3	5.4	138.2	36.5	10.8	7.9	137.2	36.2	14.1	10.3	136.2	36.0	17.5	12.8		
	500	157.5	41.6	1.6	1.2	151.8	40.1	8.0	5.9	150.6	39.8	11.7	8.6	149.4	39.5	15.3	11.3	148.2	39.2	19.0	14.0		
	550	170.0	45.0	1.7	1.2	162.7	43.0	8.6	6.3	161.3	42.6	12.6	9.2	159.9	42.2	16.4	12.1	158.5	41.9	20.3	14.9		

BETA 200

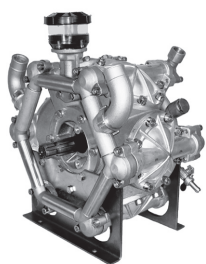
max. 218 l/min - 58 GPM • 50 bar - 725 PSI • 550 RPM

BETA 240

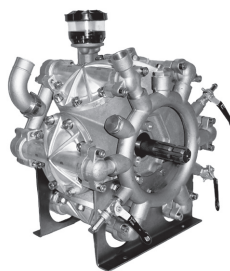
max. 243 l/min - 65 GPM • 50 bar - 725 PSI • 550 RPM



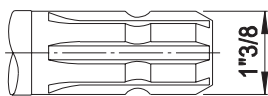
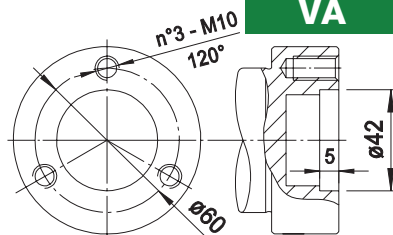
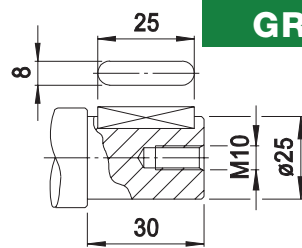
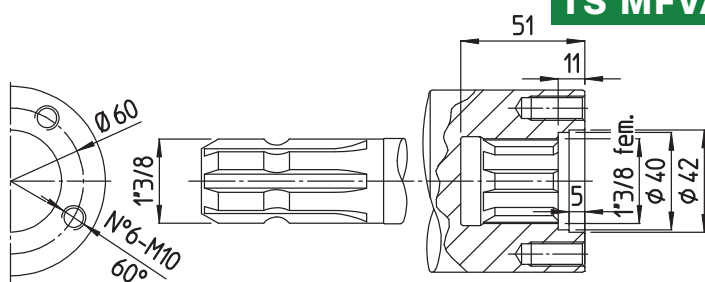
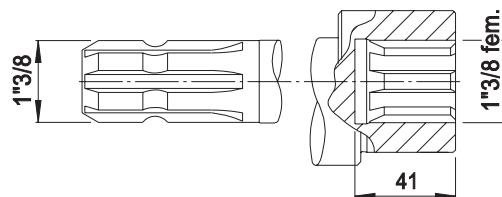
Alberi P. di F. disponibili *Available P.T.O. Shaft*

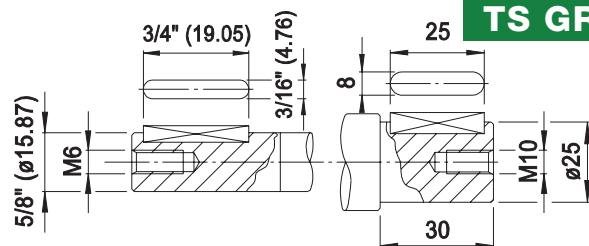
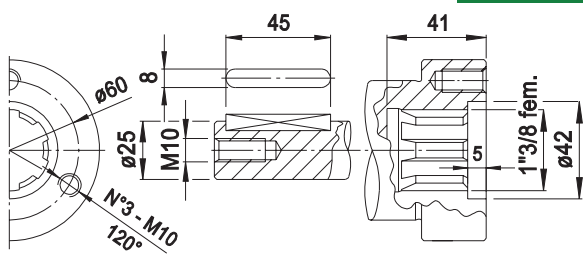
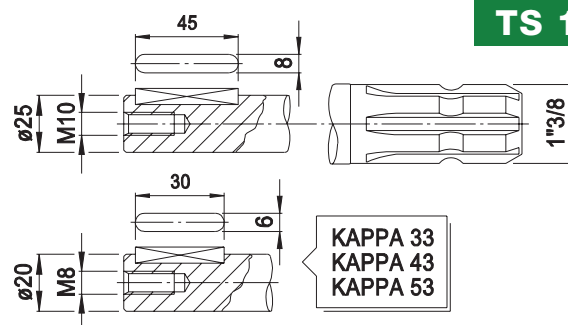
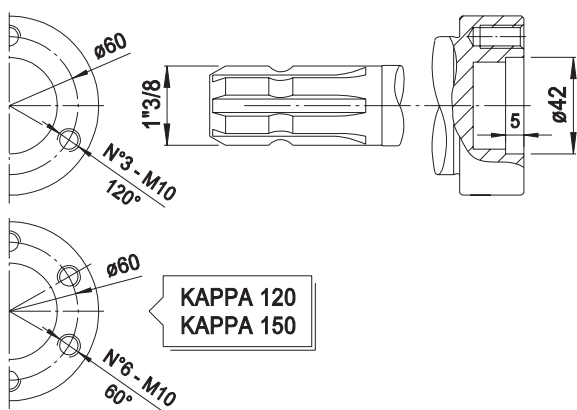
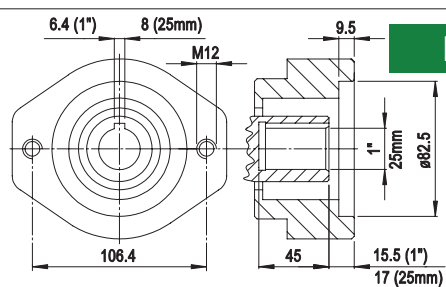


TS 2C

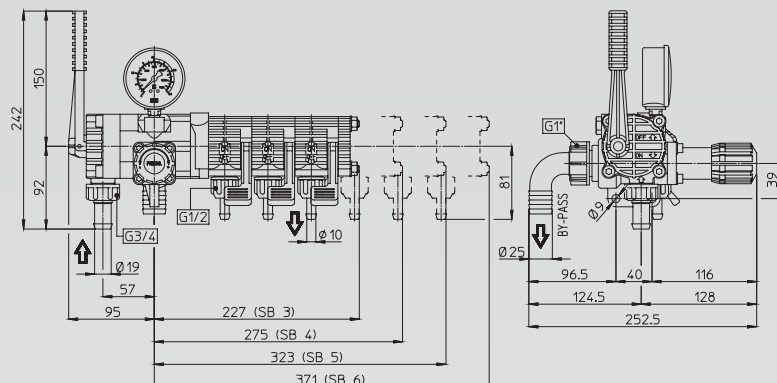


MOD.	RPM	0 bar / 0 PSI				20 bar / 290 PSI				30 bar / 435 PSI				40 bar / 580 PSI				50 bar / 725 PSI				
BETA 200		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Portata Flow rate		Potenza Power		Peso Weight
		l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	l/min	GPM	HP	kW	Kg
	400	162.7	43.0	1.6	1.2	155.6	41.1	8.2	6.0	153.8	40.6	12.0	8.8	152.0	40.2	15.6	11.5	150.2	39.7	19.3	14.2	72
	450	182.0	48.1	1.8	1.3	174.9	46.2	9.2	6.8	173.0	45.7	13.5	9.9	171.1	45.2	17.5	12.9	169.2	44.7	21.7	15.9	
	500	200.5	53.0	2.0	1.5	193.4	51.1	10.2	7.5	191.4	50.6	14.9	11.0	189.4	50.0	19.4	14.3	187.4	49.5	24.0	17.7	
550	218.0	58.0	2.2	1.6	210.9	55.7	11.1	8.2	208.8	55.2	16.3	12.0	206.7	54.6	21.2	15.6	204.6	54.1	26.2	19.3		
BETA 240	400	189.2	50.0	1.9	1.4	183.2	48.4	9.6	7.1	181.6	48.0	14.2	10.4	180.0	47.6	18.5	13.6	178.4	47.1	22.9	16.8	72
	450	211.3	55.8	2.1	1.6	205.3	54.2	10.8	7.9	203.7	53.8	15.9	11.7	202.1	53.4	20.7	15.2	200.5	53.0	25.7	18.9	
	500	230.1	60.8	2.3	1.7	224.1	59.2	11.8	8.7	222.5	58.8	17.3	12.7	220.9	58.4	22.7	16.7	219.3	57.9	28.1	20.7	
	550	243.0	65.0	2.4	1.8	237.0	62.9	12.5	9.2	235.4	62.2	18.3	13.5	233.8	61.8	24.0	17.6	232.2	61.3	29.8	21.9	

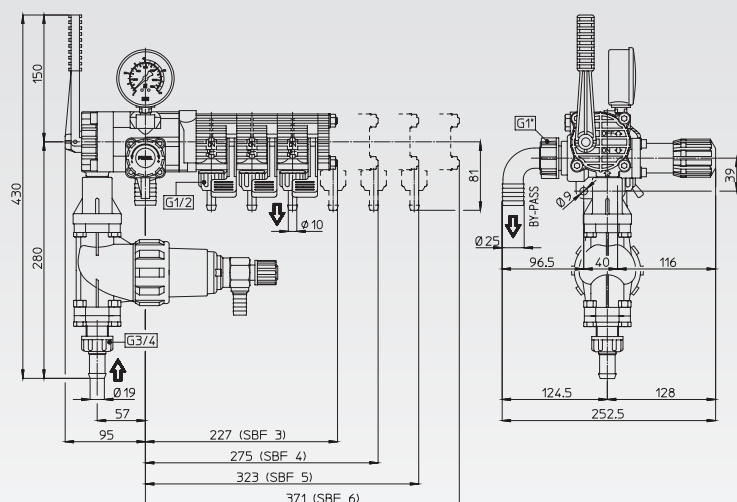
1C

VA

GR

TS MFVA

TS MF

TS 2C

TS GR

TS FVA

TS 1C

TS VA

MI


SB



SB	Portata Flow rate		Pressione Pressure		N° mandate Nbr. of outlets	Risucchio Suck. Back	Volumetrico Volum. Valve	Rub. Compens Compen. Outlet	Filtro 50 mesh Press. Filter	Indicato per modello pompa Suggested for Pump models
	l/min	GPM	bar	PSI						
	120	32	20	290	3 / 4 / 5 / 6					ZETA-P ZETA 70 - 85 - 100 - 120 - 140

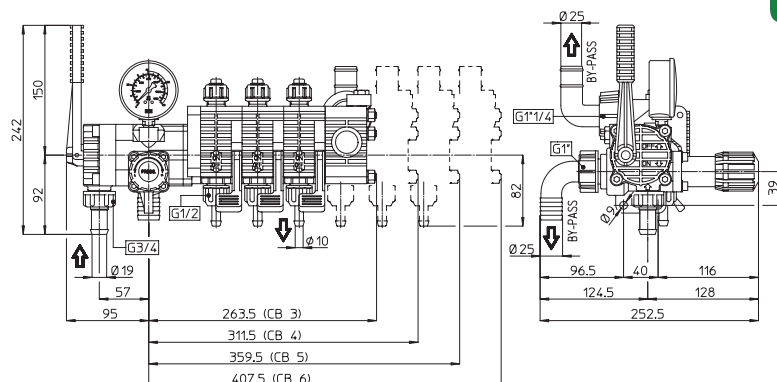


SBF



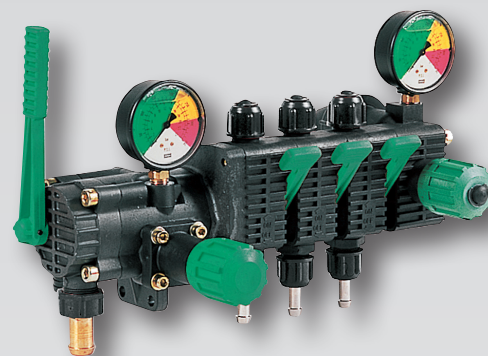
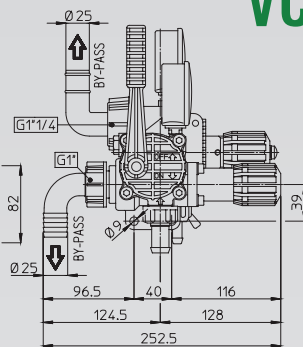
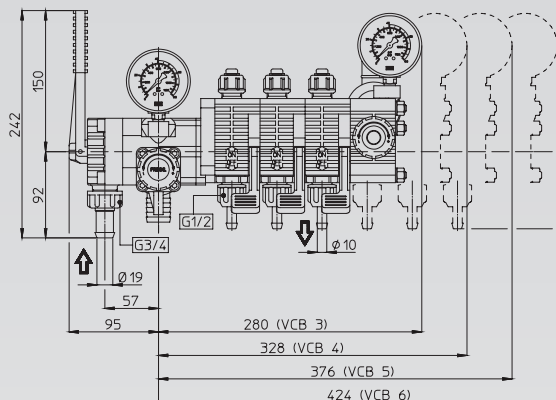
SBF	Portata Flow rate		Pressione Pressure		N° mandate Nbr. of outlets	Risucchio Suck. Back	Volumetrico Volum. Valve	Rub. Compens Compen. Outlet	Filtro 50 mesh Press. Filter	Indicato per modulo pompa Suggested for Pump models
	l/min	GPM	bar	PSI						
	120	32	20	290	3 / 4 / 5 / 6				●	ZETA-P ZETA 70 - 85 - 100 - 120 - 140

CB



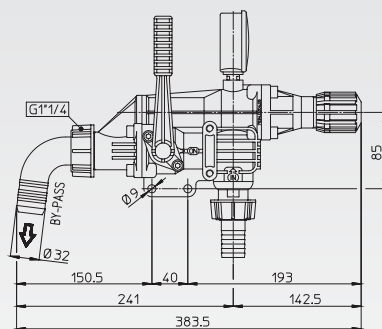
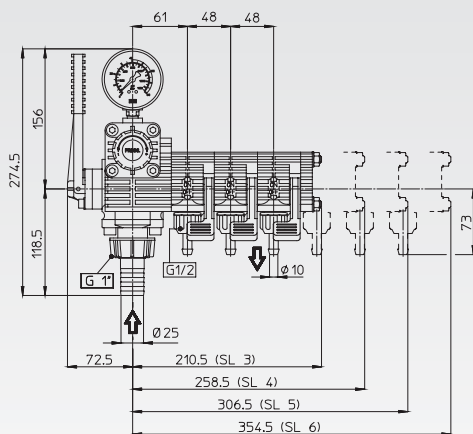
CB	Portata Flow rate		Pressione Pressure		N° mandate Nbr. of outlets	Risucchio Suck. Back	Volumetrico Volum. Valve	Rub. Compens Compen. Outlet	Filtro 50 mesh Press. Filter	Indicato per modulo pompa Suggested for Pump models
	l/min	GPM	bar	PSI						
	120	32	20	290	3 / 4 / 5 / 6			●		ZETA-P ZETA 70 - 85 - 100 - 120 - 140

VCB



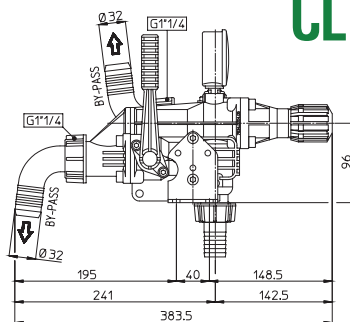
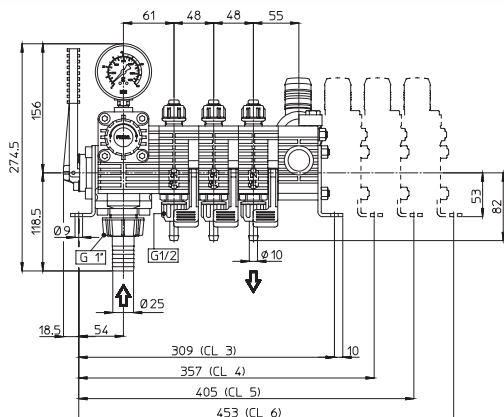
VCB	Portata Flow rate		Pressione Pressure		N° mandate Nbr. of outlets	Risucchio Suck. Back	Volumetrico Volum. Valve	Rub. Compens Compen. Outlet	Filtro 50 mesh Press. Filter	Indicato per modello pompa Suggested for Pump models
	l/min	GPM	bar	PSI						
	120	32	20	290	3 / 4 / 5 / 6		●	●		ZETA-P ZETA 70 - 85 - 100 - 120 - 140

SL



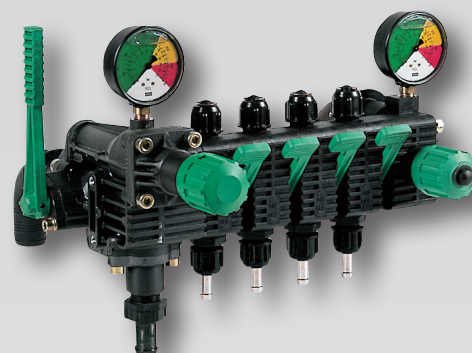
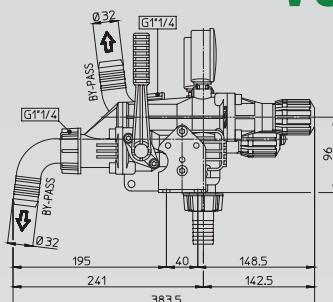
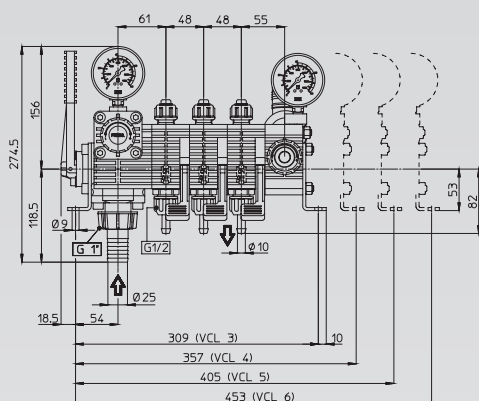
SL	Portata Flow rate		Pressione Pressure		N° mandate Nbr. of outlets	Risucchio Suck. Back	Volumetrico Volum. Valve	Rub. Compens Compen. Outlet	Filtro 50 mesh Press. Filter	Indicato per modulo pompa Suggested for Pump models
	l/min	GPM	bar	PSI						
	250	66	20	290	3 / 4 / 5 / 6	●				ZETA-P - ZETA 70 - 85 - 100 - 120 - 140 ZETA 170 - 200 - 230 - 260

CL



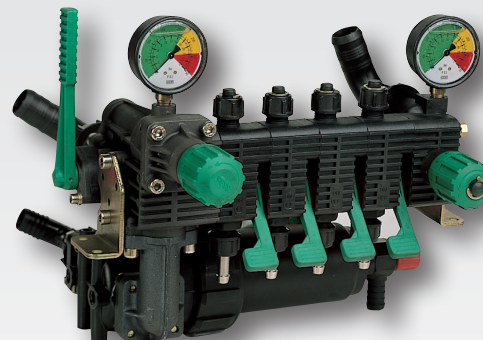
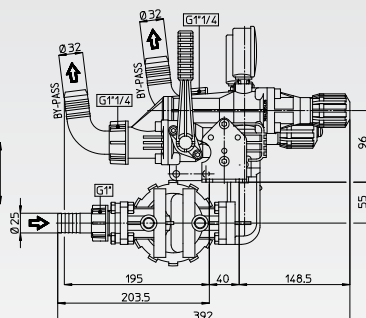
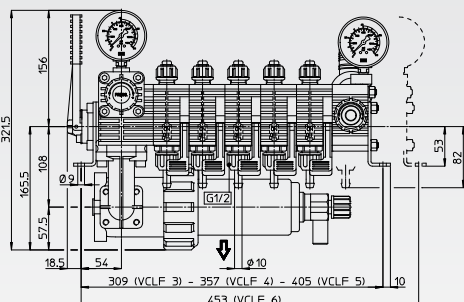
CL	Portata Flow rate		Pressione Pressure		N° mandate Nbr. of outlets	Risucchio Suck. Back	Volumetrico Volum. Valve	Rub. Compens Compen. Outlet	Filtro 50 mesh Press. Filter	Indicato per modello pompa Suggested for Pump models
	l/min	GPM	bar	PSI						
	250	66	20	290	3 / 4 / 5 / 6	●		●		ZETA-P - ZETA 70 - 85 - 100 - 120 - 140 ZETA 170 - 200 - 230 - 260

VCL



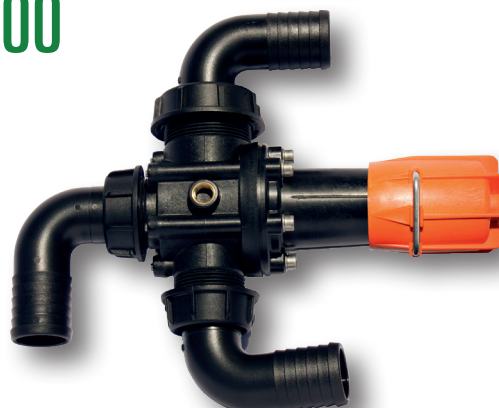
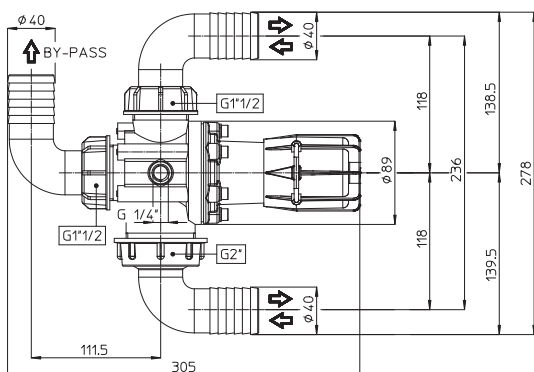
VCL	Portata Flow rate		Pressione Pressure		N° mandate Nbr. of outlets	Risucchio Suck. Back	Volumetrico Volum. Valve	Rub. Compens Compen. Outlet	Filtro 50 mesh Press. Filter	Indicato per modulo pompa Suggested for Pump models
	l/min	GPM	bar	PSI						
	250	66	20	290	3 / 4 / 5 / 6	●	●	●		ZETA-P - ZETA 70 - 85 - 100 - 120 - 140 ZETA 170 - 200 - 230 - 260

VCLF



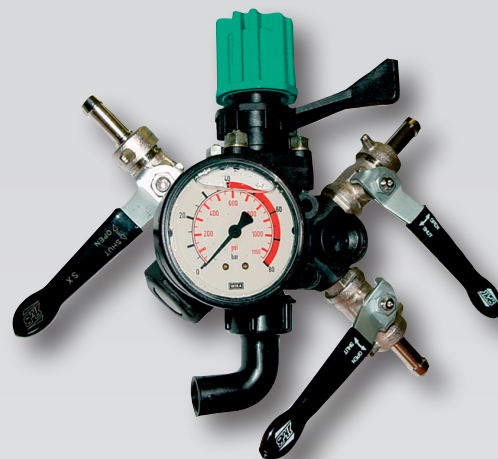
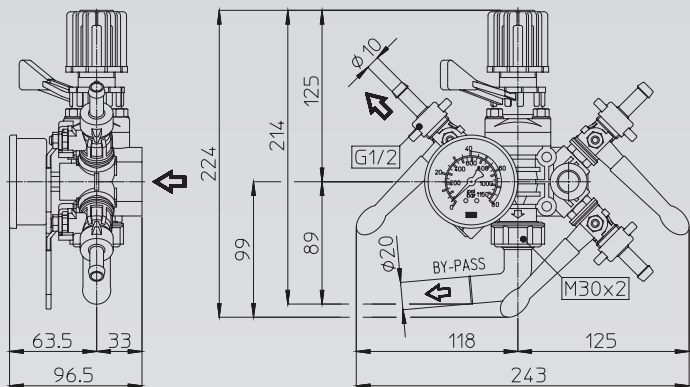
VCLF	Portata Flow rate		Pressione Pressure		N° mandate Nbr. of outlets	Risucchio Suck. Back	Volumetrico Volum. Valve	Rub. Compens Compen. Outlet	Filtro 50 mesh Press. Filter	Indicato per modulo pompa Suggested for Pump models
	l/min	GPM	bar	PSI						
	250	66	20	290	3 / 4 / 5 / 6	●	●	●	●	ZETA-P - ZETA 70 - 85 - 100 - 120 - 140 ZETA 170 - 200 - 230 - 260

VRG 400



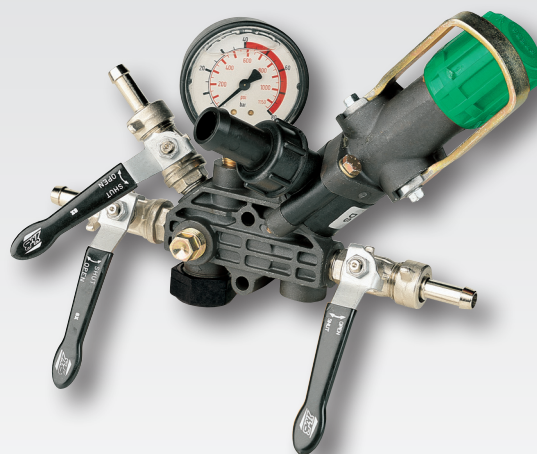
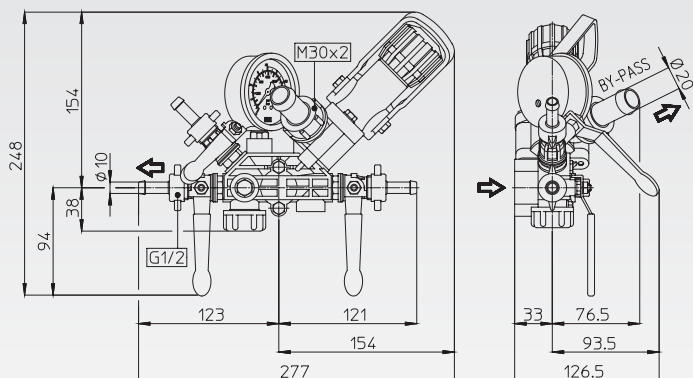
VRG 400	Portata Flow rate		Pressione Pressure		Indicato per modello pompa Suggested for Pump models
	l/min	GPM	bar	PSI	
	400	106	20	290	ZETA 170 - 200 - 230 - 260 ZETA 350 - 400

DL



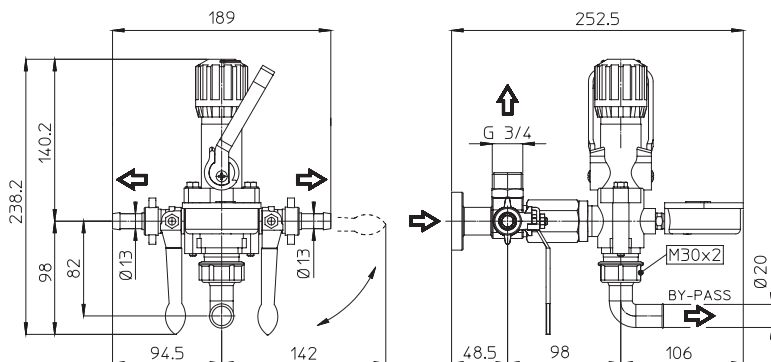
DL	Portata Flow rate		Pressione Pressure		N° mandate Nbr. of outlets	Indicato per modello pompa Suggested for Pump models
	l/min	GPM	bar	PSI		
	100	27	20/30/40	290/435/580	2 / 3 / 4	

DS

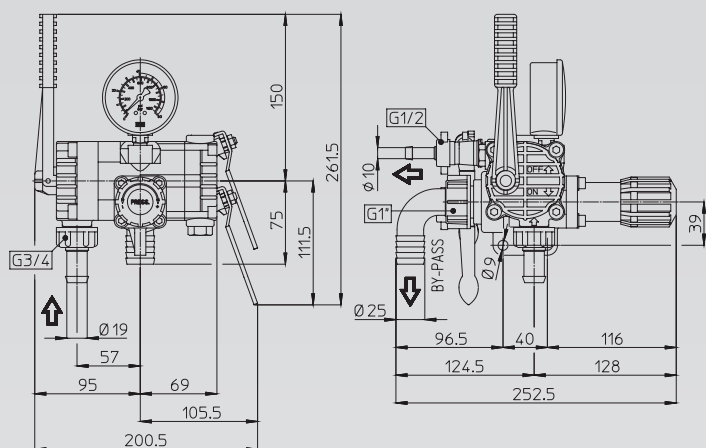


DS	Portata Flow rate		Pressione Pressure		N° mandate Nbr. of outlets	Indicato per modello pompa Suggested for Pump models
	l/min	GPM	bar	PSI		
	100	27	20/30/40	290/435/580	2 / 3 / 4	

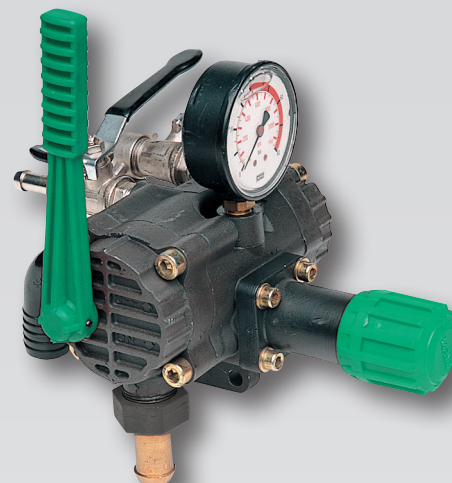
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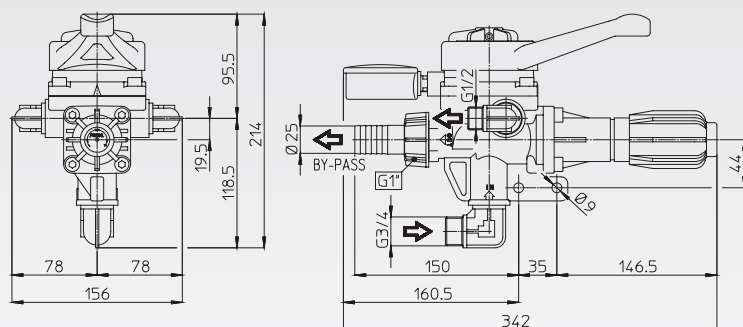
HF	Portata Flow rate		Pressione Pressure		N° mandate Nbr. of outlets	Indicato per modello pompa Suggested for Pump models
	l/min	GPM	bar	PSI		
	120	32	40	580	3	



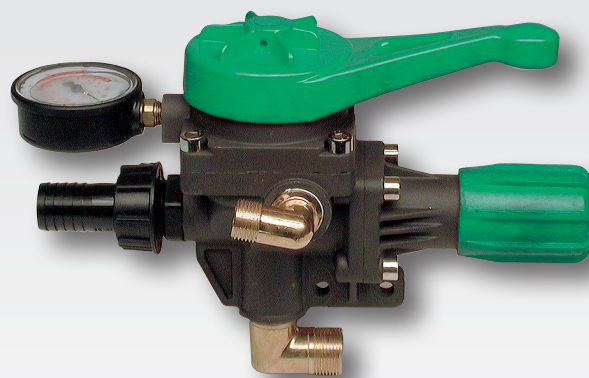
ZX



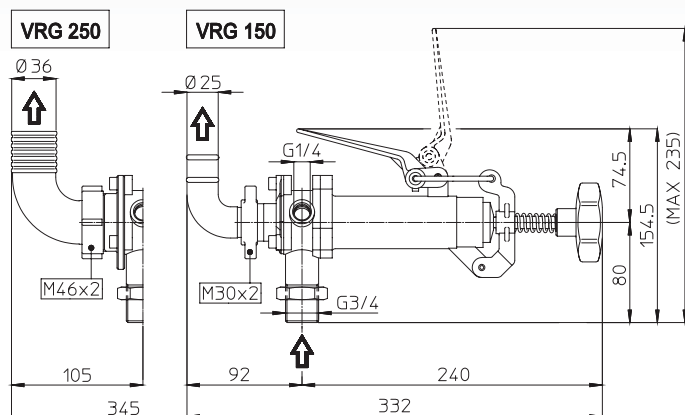
ZX	Portata Flow rate		Pressione Pressure		N° mandate Nbr. of outlets	Indicato per modello pompa Suggested for Pump models
	l/min	GPM	bar	PSI		
	120	32	20/40/50/60	290/580/725/870	3 / 4	ZETA-P – ZETA 70 – 85 – 100 – 120 – 140 – KAPPA 25 – 32 – 33 – 43 – 53 – 55 – 65 DELTA 40 – 50 – 75 – 100 – 125 – 140 – 170 – OMEGA 135 – BETA 110 – 170



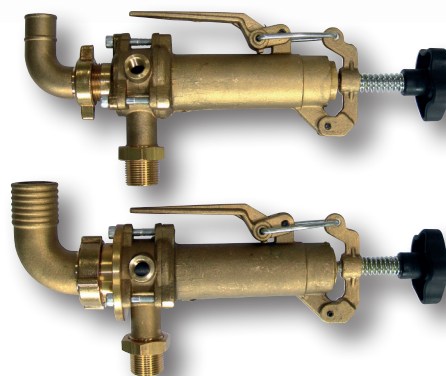
UHP



UHP	Portata Flow rate		Pressione Pressure		N° mandate Nbr. of outlets	Indicato per modello pompa Suggested for Pump models
	l/min	GPM	bar	PSI		
	170	45	50	725	2	DELTA 125 – 140 – 170 – OMEGA 135 – 139 – 170 BETA-S 135 – BETA 110 – 170



VRG 150 VRG 250



VRG VRG 150 VRG 250	Portata Flow rate		Pressione Pressure		Indicato per modello pompa Suggested for Pump models
	l/min	GPM	bar	PSI	
	150	40	80	1200	DELTA 125 – 140 – 170 – OMEGA 135 – 139 – 170 BETA-S 135 – BETA 110 – 170
	250	66	80	1200	BETA 200 – 240

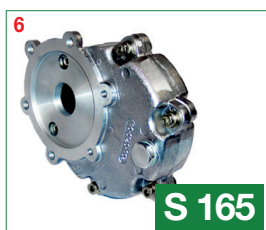
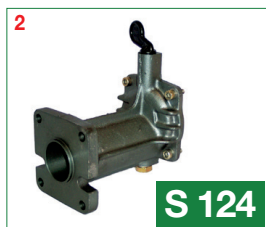
Modello Pompa / Pump Model

		Tipo di Riduttore Gear reductions type	Rapporto Riduzione Reduction Ratio	ZETA-P40 VA	ZETA-P85 VA	ZETA-P100 VA	ZETA 85 VA	ZETA 100 VA	ZETA 120 VA	IOTA 20	IOTA 25 GR	KAPPA 15	KAPPA 25 GR KAPPA 25 TS GR	KAPPA 32 GR KAPPA 32 TS GR	KAPPA 33 GR	KAPPA 43 GR	KAPPA 53 GR	KAPPA 55 VA KAPPA 55 TS FVA	KAPPA 65 VA KAPPA 65 TS FVA	DELTA 40 GR	DELTA 50 GR	DELTA 75 VA DELTA 75 TS VA	DELTA 100 VA DELTA 100 TS VA
Per motori elettrici For electric motors	1	E127-24GR 507453 HP2÷2.5 - D=24 mm	2.778:1								☺		☺	☺									
		E127-28VA 503153 HP3÷5.5 - D=28 mm	2.778:1															☺	☺			☺	☺
		E127-28VAZ 5100G1 HP3÷5.5 - D=28 mm	2.778:1	☺	☺	☺	☺	☺	☺	☺												☺	☺
		E127-28GR 507053 HP3÷5.5 - D=28 mm	2.778:1						☺						☺	☺	☺			☺	☺		
Per motori a scoppio benzina e diesel For diesel and gasoline engines	2	S124-15H 5049E1 Honda GX 100 HP3 - D=15 mm	2.375:1									☺											
		S124-5/8" 5050E2 B&S HP2 - D=5/8"	2.375:1									☺											
		S124-5/8"Q 5065D9 Honda HP2 - D=5/8" (Q)	2.375:1									☺											
		S124-3/4" 5047D7 B&S HP3 - D=3/4"	2.375:1									☺											
	3	S135 5046D0 CM 46 - HP2	3.5:1									☺											
	4	S162 501432 CM 46 - HP2	6.25:1							☺													
	5	S151-15H 5090B0 Honda GX 100 HP3 - D=15 mm	5:1							☺													
		S151-15GRH 5089F7 Honda GX 100 HP3 - D=15 mm	5:1								☺		☺	☺									
		S151-18GRH 5114G7 Honda GX 120 HP4 - D=18 mm	5:1								☺		☺	☺									
		S151-5/8" 509274 HP3 - D=5/8"	5:1							☺													
		S151-5/8" GR 5088F7 HP3 - D=5/8"	5:1								☺		☺	☺									
		S151-5/8"H 5091D9 Honda GX 100 HP3 - D=5/8"	5:1							☺													
		S151-5/8"GRH 5093D9 Honda GX 100 HP3 - D=5/8"	5:1								☺		☺	☺									
		S151-3/4" 509476 HP3.5 - D=3/4"	5:1							☺													
		S151-3/4"GR 5085F7 HP3.5 - D=3/4"	5:1								☺		☺	☺									
	6	S165-GR 507256 CM90 - HP 3.5	6.555:1								☺		☺										
	7	S160-3/4"VA 502775 HP5.5 - D=3/4"	6:1															☺	☺			☺	☺
		S160-3/4"GR 507175 HP5.5 - D=3/4"	6:1												☺	☺	☺			☺	☺		
		S160-3/4"VAZ 508275 HP5.5 - D=3/4"	6:1	☺	☺	☺	☺	☺	☺	☺													
		S160-20VAZ 511375 HP6.5 - D=20	6:1	☺	☺	☺	☺	☺	☺	☺													

Modello Pompa / Pump Model

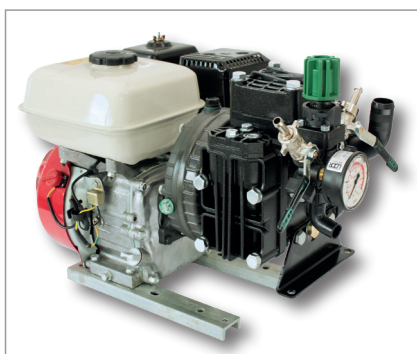
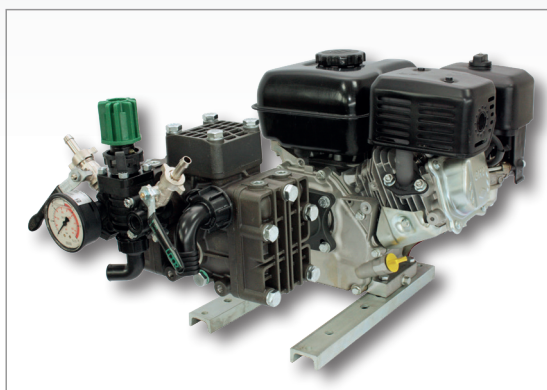
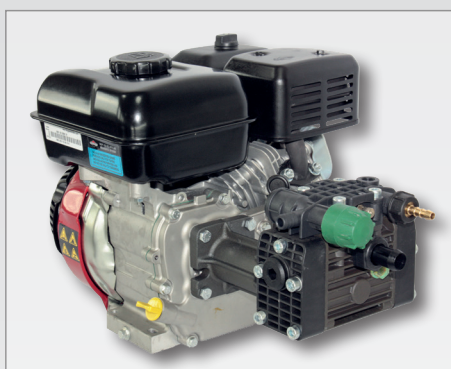
		Tipo di Riduttore <i>Gear reductions type</i>	Rapporto Riduzione <i>Reduction Ratio</i>	KAPPA 33 GR	KAPPA 43 GR	KAPPA 53 GR	KAPPA 55 VA KAPPA 55 TS FVA	KAPPA 65 VA KAPPA 65 TS FVA	DELTA 40 GR	DELTA 50 GR	DELTA 75 VA DELTA 75 TS VA	DELTA 100 VA DELTA 100 TS VA	DELTA 125 VA DELTA 125 TS VA	DELTA 130 TS MFVA	DELTA 160 TS MFVA						
Per motori a scoppio benzina e diesel <i>For diesel and gasoline engines</i>	7	S160-20VA 506975 HP6.5 – D=20 mm	6:1				!	!			!	!									
		S160-20GR 507575 HP6.5 – D=20 mm	6:1	☺	☺	!			☺	☺											
		S160-VAC 5106G4 HP5.5 – D=23 mm Conic.	6:1				!	!			!	!									
		S160-GRC 5081F6 HP5.5 – D=23 mm Conic.	6:1	☺	☺	!			☺	☺											
	8	M164-1"VA 5033A4 HP8÷16 – D=1"	6.4:1				☺	☺				☺	☺	☺							
		M164-1"GR 5086F6 HP8÷16 – D=1"	6.4:1			☺															
		M164-1"L 5084A5 Lomb. 6LD400 HP8÷16 – D=1"	6.4:1				☺	☺				☺	☺	☺							
		M164-C 5032A5 HP8÷16 – D=23 mm Conic.	6.4:1				☺	☺				☺	☺	☺							
9	M162-1"VA 5034B5 B&S HP18-D=1" Corto/Short	6.25:1												!	!						

Da non utilizzare alla pressione massima di targa della pompa. Non superare il limite di assorbimento del motore.
Not to be used at max. pump tag pressure. Do not overload engine or motor power.

**Modello Pompa / Pump Model**

		Tipo di Moltiplicatore <i>Multiplier Gear Box type</i>	Rapporto di Moltiplic. <i>Multiplic. Ratio</i>	ZETA 170 TS 2C	ZETA 200 TS 2C	ZETA 230 TS 2C	ZETA 260 TS 2C	ZETA 300 TS 2C	ZETA 350 TS 2C	ZETA 400 TS 2C								
*	10	MTP 138 5103G3 HP 13.6 - Conic. 1:8	1:3,8	☺	☺	☺	☺	☺	☺	☺								

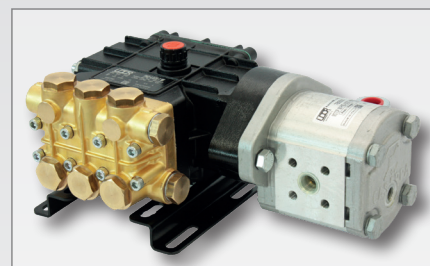
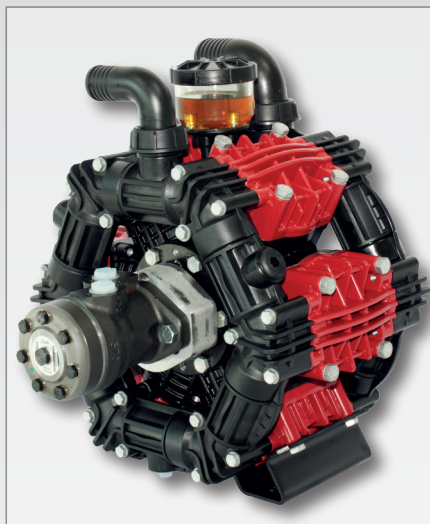
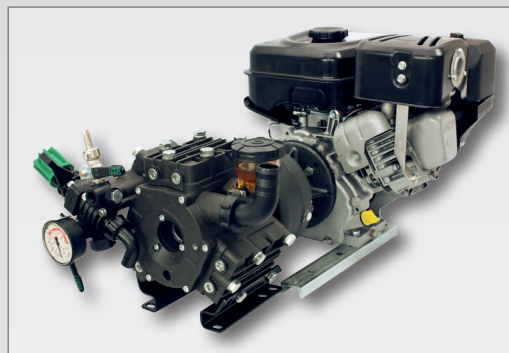
* Per pompa idraulica Gr.2 con albero cavo conico 1:8 / *For hydraulic pump Gr.2 with 1:8 conical hollow shaft*


Motori disponibili - Available engines

Modello Pompa Pump Model	Tipo Motore Engine Type	Potenza Motore Engine Power	Alimentazione Fuel Type
KAPPA 15/A	CM CM 46	2 HP 1.5 kW	MISCELA GASOL. + OIL
	B & S 550 SERIES	4 HP 3 kW	BENZINA GASOLINE
IOTA 20	CM CM 46	2 HP 1.5 kW	MISCELA GASOL. + OIL
	B & S 550 SERIES	4 HP 3 kW	BENZINA GASOLINE
IOTA 25	B & S 550 SERIES	4 HP 3 kW	BENZINA GASOLINE
KAPPA 25	B & S 550 SERIES	4 HP 3 kW	BENZINA GASOLINE
KAPPA 32	B & S VANGUARD	6.5 HP 4.8 kW	BENZINA GASOLINE
KAPPA 33	HONDA GX 120	4 HP 3 kW	BENZINA GASOLINE
	B & S VANGUARD	6.5 HP 4.8 kW	BENZINA GASOLINE
KAPPA 43	B & S VANGUARD	6.5 HP 4.8 kW	BENZINA GASOLINE
KAPPA 65	B & S VANGUARD	9 HP 6.6 kW	BENZINA GASOLINE
	LOMBARDINI 15LD 400	10 HP 7.3 kW	DIESEL

Motori disponibili - Available engines

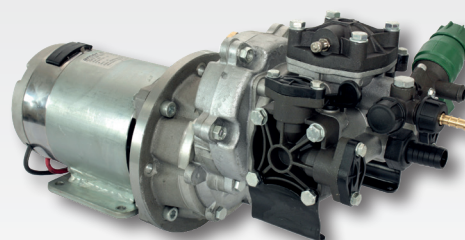
Modello Pompa <i>Pump Model</i>	Tipo Motore <i>Engine Type</i>	Potenza Motore <i>Engine Power</i>	Alimentazione <i>Fuel Type</i>
DELTA 40	HONDA GX 160	5.5 HP 4 kW	BENZINA GASOLINE
	B & S VANGUARD	6.5 HP 4.8 kW	BENZINA GASOLINE
DELTA 75	B & S VANGUARD	11 HP 8.1 kW	BENZINA GASOLINE
	HONDA GX 270	9 HP 6.6 kW	BENZINA GASOLINE
DELTA 100	B & S VANGUARD	13 HP 9.6 kW	BENZINA GASOLINE
	HONDA GX 340	11 HP 8.1 kW	BENZINA GASOLINE



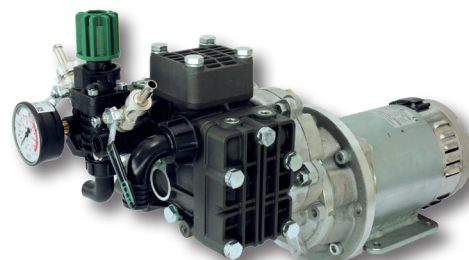
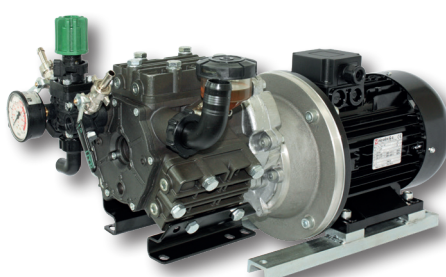
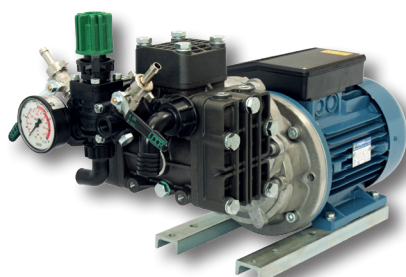
Modello pompa Pump Model	Tipo Motore Engine Type	Forma Motore Motor Flange	Potenza Motore Engine Power	Alimentazione Voltage	Gruppo comando Control Unit	Trasmissione Coupling System
KAPPA 15	MONOFASE / SINGLE PHASE 4 Poli 50 Hz / 4 poles 50 Hz	SPECIALE SPECIAL	0.8 HP 0.6 kW	220 V	INTEGRATO sulla POMPA MOUNTED on PUMP	DIRETTA DIRECT
	TRIFASE / THREE PHASES 4 Poli 50 Hz / 4 poles 50 Hz	SPECIALE SPECIAL	0.8 HP 0.6 kW	220 / 380 V		
	Corrente Continua Direct Current	GR 71 B3/B14	220 W (max. 4 bar) 26 A	12 V		



Modello pompa Pump Model	Tipo Motore Engine Type	Forma Motore Motor Flange	Potenza Motore Engine Power	Alimentazione Voltage	Gruppo comando Control Unit	Trasmissione Coupling System
IOTA 20	MONOFASE / SINGLE PHASE 2 Poli 50 Hz / 2 poles 50 Hz	SPECIALE SPECIAL	1 HP 0.74 kW	220 V	INTEGRATO sulla POMPA MOUNTED on PUMP	RIDUTTORE GEAR BOX
	TRIFASE / THREE PHASES 2 Poli 50 Hz / 2 poles 50 Hz	SPECIALE SPECIAL	1 HP 0.74 kW	220 / 380 V		
IOTA 25	Corrente Continua Direct Current	SPECIALE SPECIAL	500 W (max. 5 bar) 43 A	12 V		



Modello pompa Pump Model	Tipo Motore Engine Type	Forma Motore Motor Flange	Potenza Motore Engine Power	Alimentazione Voltage	Gruppo comando Control Unit	Trasmissione Coupling System
KAPPA 25	MONOFASE / SINGLE PHASE 4 Poli 50 Hz / 4 poles 50 Hz	GR.90 – B3/B5	2.5 HP 1.85 kW	220 V	DL2/30	RIDUTTORE GEAR BOX
KAPPA 32/33	MONOFASE / SINGLE PHASE 4 Poli 50 Hz / 4 poles 50 Hz	GR.100 - B3/B5	3 HP 2.2 kW	220 V		
KAPPA 32/33	TRIFASE / THREE PHASES 4 Poli 50 Hz / 4 poles 50 Hz	GR.100 - B3/B5	3 HP 2.2 kW	220-380 V		
KAPPA 32	Corrente Continua Direct Current	SPECIALE SPECIAL	500 W (max. 5 bar) 55 A	12 V	DL2/5	
KAPPA 43/53 DELTA 40/50	TRIFASE / THREE PHASES 4 Poli 50 Hz / 4 poles 50 Hz	GR.100 - B3/B5	5.5 HP 4 kW	220 / 380 V	DL2/40	
KAPPA 65	TRIFASE / THREE PHASES 4 Poli 50 Hz / 4 poles 50 Hz	GR.112 - B3/B5	7.5 HP 5.5 kW	220 / 380 V		



Lancia manopola (con protezione)
Knob spray gun (with safety shield)
 P max = 40 bar / 580 PSI - Entrata / Inlet = 8/10 mm



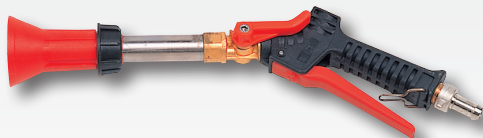
Lancia leva (con protezione)
Trigger spray gun (with safety shield)
 P max = 40 bar / 580 PSI - Entrata / Inlet = 8/10 mm



Lancia mitra a getto regolabile
Double handle trigger gun with adjust.spray
 P max = 60 bar / 870 PSI - Entrata / Inlet = 10/13 mm



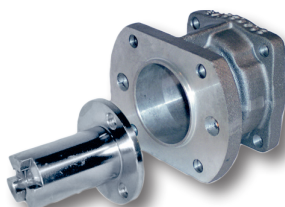
Lancia turbo 400
Turbo gun 400
 P max = 50 bar / 725 PSI - Entrata / Inlet = 10/13 mm



Lancia Hydra
Hydra gun
 P max = 50 bar / 725 PSI - Entrata / Inlet = 10/13 mm



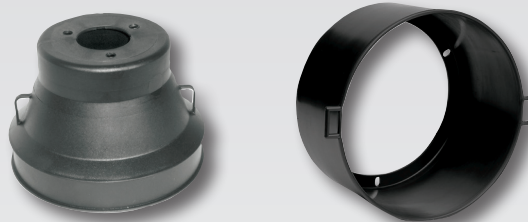
Flangiate per motocoltivatori
Flanges for hand-tractors



Valvola di sicurezza
Safety valve
 Pressione / Pressure: Da/From 10 bar 145 PSI a/ to 50 bar 725 PSI
 Portata / Delivery: Max. 280 l/min 74 GPM



Protezione P.D.F. - *Shaft protection shield*
 Per tutte le pompe / all pump series



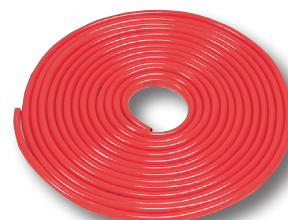
Cappuccio protezione totale P.D.F.
Shaft total protection cap
 Per tutte le pompe / all pump series



Manometri
Gauges



Tubo pressione PVC - *PVC Hose*
 Pressione / Pressure: Da / From 20 bar 290 PSI a / to 80 bar 1160 PSI
 Diametri / Diameters: Ø 8 / 10 / 13 mm



Foro Ø mm	Prestazioni	Pressione															
		15 bar		25 bar		35 bar		40 bar		45 bar		50 bar		60 bar			
		cono	spillo	cono	spillo	cono	spillo	cono	spillo	cono	spillo	cono	spillo	cono	spillo	cono	spillo
1.0	Portata l/min	2.45	2.50	3.0	3.10	3.40	3.50	3.55	3.65	3.75	3.85	4.0	4.10	4.4	4.55		
	Angolo di spruzzo	18°	-	18°	-	20°	-	20°	-	22°	-	22°	-	22°	-		
	Gittata max. m.	2.5	5.0	2.8	5.5	3.0	6.0	3.0	6.5	3.0	7.0	3.5	7.5	3.5	8.0		
1.2	Portata l/min	3.60	3.80	4.25	4.60	4.70	5.40	5.20	5.90	5.35	6.10	5.60	6.30	6.20	7.0		
	Angolo di spruzzo	22°	-	22°	-	24°	-	24°	-	26°	-	26°	-	28°	-		
	Gittata max. m.	2.9	5.8	3.0	6.2	3.2	6.5	3.4	6.9	3.4	7.5	3.6	8.0	3.7	9.0		
1.5	Portata l/min	4.80	5.10	5.70	6.50	6.60	7.40	6.80	7.80	7.30	8.20	7.70	8.60	8.30	9.50		
	Angolo di spruzzo	25°	-	28°	-	28°	-	28°	-	30°	-	30°	-	30°	-		
	Gittata max. m.	3.0	7.0	3.2	7.8	3.4	8.5	3.5	9.2	3.6	9.6	3.8	10.0	4.0	10.5		
1.8	Portata l/min	5.90	7.30	7.20	8.30	8.80	10.8	9.20	11.7	9.70	12.2	10.5	12.7	11.6	13.5		
	Angolo di spruzzo	28°	-	30°	-	33°	-	33°	-	35°	-	35°	-	35°	-		
	Gittata max. m.	3.2	7.9	3.5	8.5	3.7	9.0	3.9	9.7	4.2	10.4	4.5	11.0	4.7	12.0		
2.0	Portata l/min	6.90	8.80	8.10	11.7	10.2	13.4	10.9	14.3	11.7	15.2	12.5	15.8	13.5	17.1		
	Angolo di spruzzo	30°	-	32°	-	35°	-	35°	-	35°	-	37°	-	37°	-		
	Gittata max. m.	3.5	8.5	3.8	9.5	4.0	10.5	4.3	11.0	4.8	11.5	4.8	12.0	5.1	13.0		
2.3	Portata l/min	6.10	10.8	10.2	14.1	12.9	15.8	13.7	17.9	14.3	18.8	14.9	19.7	15.9	22.1		
	Angolo di spruzzo	40°	-	40°	-	42°	-	42°	-	45°	-	45°	-	45°	-		
	Gittata max. m.	3.7	9.5	4.0	10.5	4.5	11.5	4.8	12.0	5.1	12.5	5.5	13.0	5.8	14.0		
2.5	Portata l/min	9.20	13.0	11.4	16.4	14.0	19.1	14.5	21.0	15.4	22.0	16.4	23.0	18.2	25.4		
	Angolo di spruzzo	42°	-	42°	-	45°	-	45°	-	50°	-	50°	-	50°	-		
	Gittata max. m.	3.0	9.0	3.8	9.8	4.0	10.8	4.5	11.5	4.8	12.0	5.0	12.5	5.4	13.2		
3.0	Portata l/min	11.5	18.4	14.4	24.1	18.0	28.2	18.8	30.1	19.6	31.5	20.9	33.0	22.8	36.3		
	Angolo di spruzzo	48°	-	48°	-	52°	-	52°	-	55°	-	55°	-	55°	-		
	Gittata max. m.	3.8	9.5	4.0	10.5	4.2	11.0	4.5	11.8	4.8	12.2	5.0	13.0	5.2	13.5		
3.5	Portata l/min	13.1	24.2	16.8	30.5	20.0	36.0	21.4	38.5	23.0	41.5	24.5	44.0	27.6	50.0		
	Angolo di spruzzo	55°	-	55°	-	60°	-	60°	-	60°	-	60°	-	60°	-		
	Gittata max. m.	3.8	9.5	4.0	10.8	4.2	11.2	4.5	12.0	4.8	12.5	5.0	13.2	5.2	14.0		
4.0	Portata l/min	29.0	30.2	37.5	39.0	44.4	46.1	47.4	49.3	50.3	52.3	53.0	55.2	58	60.4		
	Angolo di spruzzo	40°	-	40°	-	40°	-	40°	-	40°	-	45°	-	45°	-		
	Gittata max. m.	5.0	12.5	6.5	13.5	7.5	14.5	8.0	15.5	8.0	16.5	9.0	17.5	9.0	18.5		
4.5	Portata l/min	33.7	36.4	43.5	47.0	51.5	55.6	55.0	58.5	58.4	63.1	61.5	66.5	67.4	72.8		
	Angolo di spruzzo	45°	-	45°	-	50°	-	50°	-	50°	-	50°	-	50°	-		
	Gittata max. m.	6.0	13.0	7.0	14.0	8.0	15.5	9.0	16.0	9.0	17.0	9.5	18.0	9.5	19.5		
5.0	Portata l/min	40.3	41.8	52.0	54.0	61.5	64.0	65.8	68.3	69.8	72.5	73.5	76.4	80.6	83.7		
	Angolo di spruzzo	50°	-	55°	-	55°	-	55°	-	55°	-	55°	-	55°	-		
	Gittata max. m.	6.5	13.5	7.5	15.0	8.5	16.5	9.5	17.5	9.5	18.5	10.0	19.5	10.0	21.0		
5.5	Portata l/min	43.8	47.3	56.5	61.0	67.0	72.2	71.5	77.2	75.8	81.8	80.0	86.3	87.5	94.5		
	Angolo di spruzzo	55°	-	60°	-	60°	-	60°	-	60°	-	60°	-	60°	-		
	Gittata max. m.	5.5	14.0	7.5	16.0	9.0	17.5	10.0	18.5	10.0	19.5	10.5	20.5	10.5	22.0		
6.0	Portata l/min	47.3	52.0	61.0	67.0	72.2	79.3	77.2	84.7	81.8	90.0	86.3	94.8	94.5	104		
	Angolo di spruzzo	60°	-	65°	-	65°	-	65°	-	65°	-	65°	-	65°	-		
	Gittata max. m.	7.0	14.5	8.0	17.0	9.5	18.5	10.5	19.5	10.5	20.5	11.0	21.5	11.0	23.0		
7.0	Portata l/min	47.3	55.9	61.0	72.0	72.2	85.2	77.2	91.1	81.8	96.6	86.3	102	94.5	112		
	Angolo di spruzzo	70°	-	80°	-	80°	-	75°	-	75°	-	75°	-	75°	-		
	Gittata max. m.	7.0	15.5	8.0	18.0	9.5	19.5	11.0	20.5	11.0	21.5	12.0	22.5	12.0	24.0		

Hole	Performances	Pressure															
Ø mm		200 PSI		350 PSI		500 PSI		600 PSI		650 PSI		700 PSI		850 PSI			
		cone	straight	cone	straight	cone	straight	cone	straight	cone	straight	cone	straight	cone	straight		
1.0	Flow rate GPM	0.81	0.82	0.81	0.81	0.90	0.93	0.99	1.02	1.01	1.03	1.04	1.07	1.16	1.20		
	Spray angle	18°	-	18°	-	20°	-	20°	-	22°	-	22°	-	22°	-		
	Max. throw ft.	7.69	15.34	9.04	17.8	9.88	19.2	10.4	22.5	10.4	23.3	11.3	24.2	11.4	26.1		
1.2	Flow rate GPM	0.89	0.94	1.11	1.20	1.25	1.43	1.37	1.57	1.43	1.64	1.53	1.76	1.63	1.84		
	Spray angle	22°	-	22°	-	24°	-	24°	-	26°	-	26°	-	28°	-		
	Max. throw ft.	8.8	17.8	9.63	20.0	10.5	21.4	11.3	23.9	11.3	25.0	11.6	25.9	12.1	29.4		
1.5	Flow rate GPM	1.14	1.28	1.46	1.7	1.8	2.0	1.9	2.2	2.0	2.3	2.1	2.4	2.2	2.5		
	Spray angle	25°	-	28°	-	28°	-	28°	-	30°	-	30°	-	30°	-		
	Max. throw ft.	9.2	21.5	10.3	25.2	11.2	28.0	12.1	31.8	12.1	32.0	12.3	32.3	13.1	34.3		
1.8	Flow rate GPM	1.5	1.8	1.9	2.4	2.3	2.9	2.6	3.3	2.7	3.4	2.8	3.5	3.1	3.6		
	Spray angle	28°	-	30°	-	33°	-	33°	-	35°	-	35°	-	35°	-		
	Max. throw ft.	9.8	24.3	11.3	27.4	12.2	29.7	13.5	33.6	14.0	34.7	14.5	36.5	15.4	39.2		
2.0	Flow rate GPM	1.7	2.2	2.1	3.1	2.7	3.6	3.0	4.0	3.1	4.1	3.3	4.2	3.6	4.5		
	Spray angle	30°	-	32°	-	35°	-	35°	-	35°	-	37°	-	37°	-		
	Max. throw ft.	10.8	26.1	12.3	30.7	13.2	34.6	14.9	38.1	15.3	38.3	15.6	38.8	16.7	42.5		
2.3	Flow rate GPM	2.1	2.7	2.7	3.7	3.4	4.5	3.8	4.8	3.8	5.0	3.9	5.1	4.2	5.8		
	Spray angle	40°	-	40°	-	42°	-	42°	-	45°	-	45°	-	45°	-		
	Max. throw ft.	11.4	28.0	12.9	33.9	14.8	37.9	16.6	41.5	17.0	41.7	17.7	42.0	19.0	45.7		
2.5	Flow rate GPM	2.3	3.2	3.0	4.3	3.7	5.1	4.0	5.9	4.1	5.9	4.3	6.0	4.9	6.9		
	Spray angle	42°	-	42°	-	45°	-	45°	-	50°	-	50°	-	50°	-		
	Max. throw ft.	11.1	27.7	12.3	31.6	13.2	35.6	15.6	38.8	16.0	40.0	16.1	40.4	18.0	44.1		
3.0	Flow rate GPM	2.9	4.5	3.7	6.3	4.8	7.5	5.2	8.4	5.3	8.5	5.4	8.6	6.0	9.6		
	Spray angle	48°	-	48°	-	52°	-	52°	-	55°	-	55°	-	55°	-		
	Max. throw ft.	11.7	22.9	12.9	33.9	13.8	36.2	15.6	40.8	16.0	40.7	16.2	42.0	17.0	44.1		
3.5	Flow rate GPM	3.2	6.0	4.4	7.9	5.3	9.5	6.0	10.7	6.2	11.1	6.4	11.4	7.2	13.2		
	Spray angle	55°	-	55°	-	60°	-	60°	-	60°	-	60°	-	60°	-		
	Max. throw ft.	11.7	29.2	12.9	34.9	13.8	36.9	15.5	41.5	16.0	41.7	18.2	42.6	17.0	14.0		
4.0	Flow rate GPM	7.0	7.3	9.6	9.9	11.6	12.0	12.9	13.5	13.2	13.8	13.6	14.1	15.0	15.6		
	Spray angle	40°	-	40°	-	40°	-	40°	-	40°	-	45°	-	45°	-		
	Max. throw ft.	15.1	37.7	20.6	42.8	24.3	47.0	27.2	53.0	27.2	54.0	28.5	55.0	29.0	59.0		
4.5	Flow rate GPM	8.2	8.9	11.1	12.0	13.4	14.5	15.0	16.3	15.4	16.6	15.7	17.0	17.4	18.9		
	Spray angle	45°	-	45°	-	50°	-	50°	-	50°	-	50°	-	50°	-		
	Max. throw ft.	18.1	39.2	22.2	44.3	26.0	50.1	30.6	54.0	30.6	56.0	31.0	57.0	31.5	62.0		
5.0	Flow rate GPM	9.8	10.2	13.3	13.8	16.0	16.7	18.0	18.7	18.4	19.1	18.9	19.5	20.8	21.6		
	Spray angle	50°	-	55°	-	55°	-	55°	-	55°	-	55°	-	55°	-		
	Max. throw ft.	19.6	40.7	23.8	47.0	27.5	53.3	32.3	59.0	32.3	61.0	32.8	62.0	32.8	21.0		
5.5	Flow rate GPM	10.7	11.5	14.4	15.6	17.4	18.8	19.6	21.0	20.0	21.5	20.4	22.0	22.6	24.4		
	Spray angle	55°	-	60°	-	60°	-	60°	-	60°	-	60°	-	60°	-		
	Max. throw ft.	19.6	42.2	23.8	50.7	28.0	57.0	34.0	63.0	34.0	64.0	34.5	65.0	34.5	70.0		
6.0	Flow rate GPM	11.5	12.6	15.6	17.1	18.8	20.6	21.0	23.2	21.5	23.7	22.0	24.2	24.4	26.9		
	Spray angle	60°	-	65°	-	65°	-	65°	-	65°	-	65°	-	65°	-		
	Max. throw ft.	21.1	43.7	25.3	54.0	30.7	60.0	35.6	66.0	35.6	67.0	36.0	68.0	36.0	74.0		
7.0	Flow rate GPM	11.5	13.5	15.6	18.4	18.8	22.2	21.0	25.0	21.5	25.4	22.0	26.0	24.4	29.0		
	Spray angle	70°	-	80°	-	80°	-	75°	-	75°	-	75°	-	75°	-		
	Max. throw ft.	21.1	46.8	25.3	57.0	30.7	63.0	37.4	70.0	37.4	71.0	38.0	72.0	38.0	24.0		





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