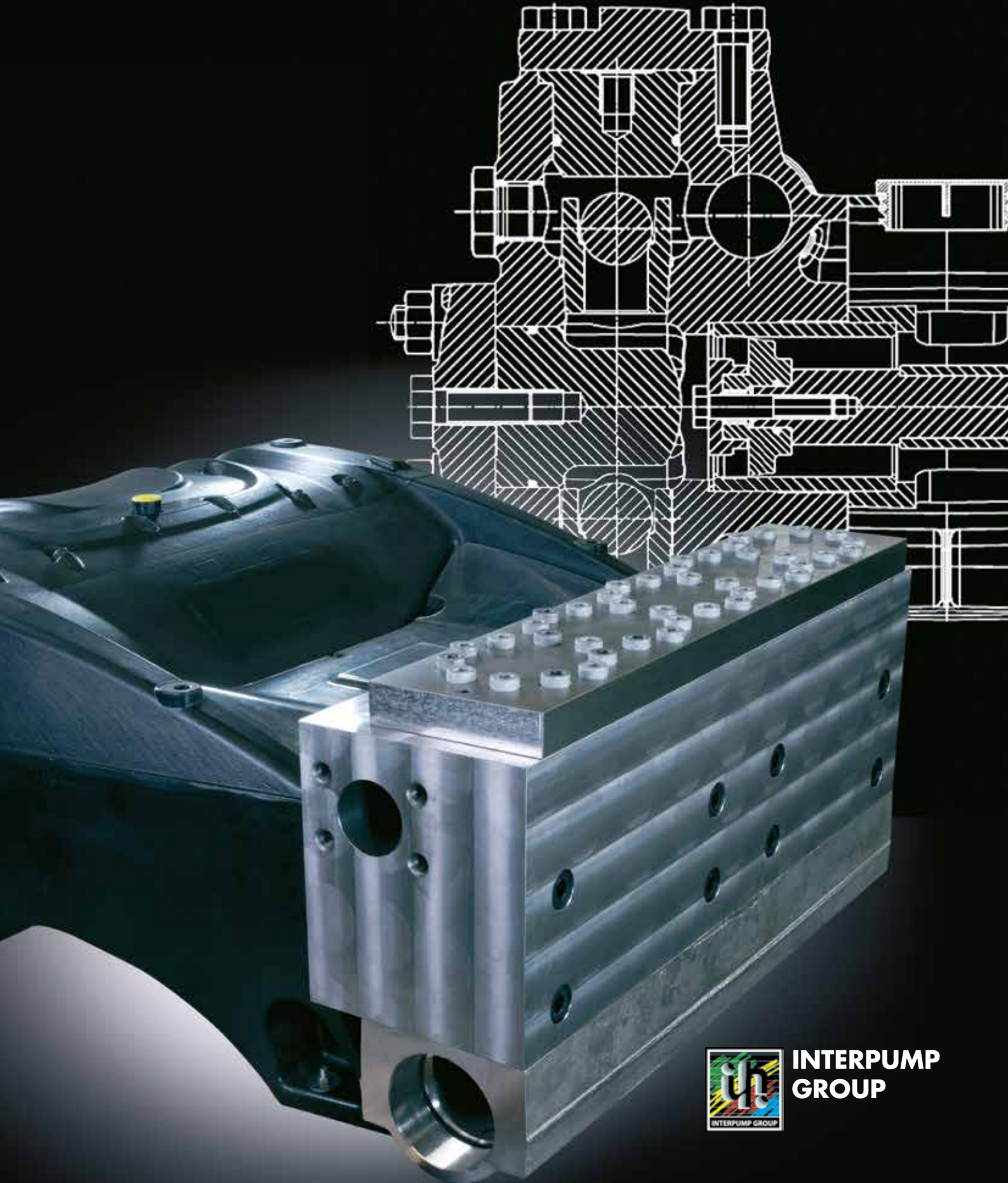
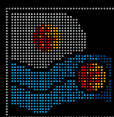


# Pratissoli

Pompe volumetriche alternative  
*Positive displacement reciprocating pumps*



**INTERPUMP  
GROUP**



# Pratissoli

In ogni industria esiste un potenziale compito per una pompa a pistoni. Le applicazioni sono innumerevoli e spaziano dalla petrolchimica alla siderurgia, dall'edilizia al trattamento acque, dalla manutenzione industriale al settore ecologia.

Pratissoli Pompe si confronta con questa difficile ma affascinante realtà fin dal 1947 e si colloca oggi, a pieno titolo e con orgoglio, tra i maggiori costruttori mondiali di pompe a pistoni.

*In any industry there is a potential task for high pressure plunger pumps.*

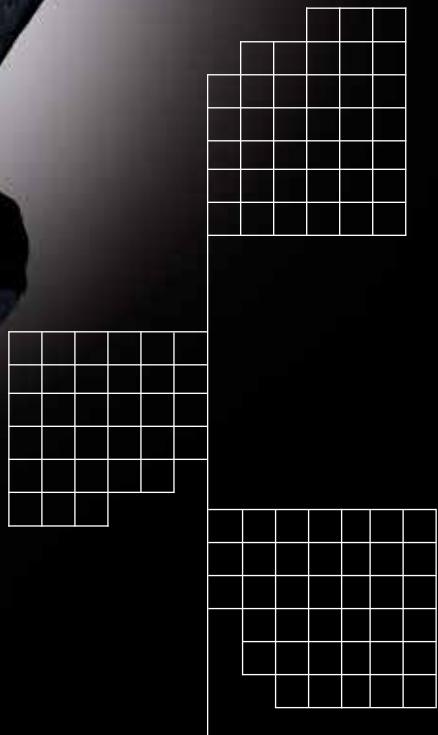
*Applications are a multitude and range from petrolchemical to the siderurgy, from the building industry to the water treatment, from the industrial maintenance to the environment protection.*

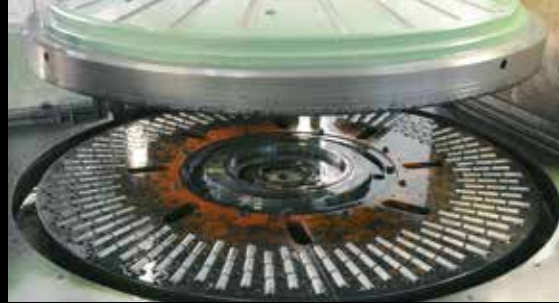
*Pratissoli Pompe has been dealing with this hard but fascinating reality since 1947, proud today to be recognized among the worldwide leaders in high pressure water pump technology.*

Directives & Standards:  
Machine directive 2006/42/EC  
PED 97/23/CE  
ATEX 94/9/EC  
DIN ISO EN 9001  
EAC



**INTERPUMP  
GROUP**



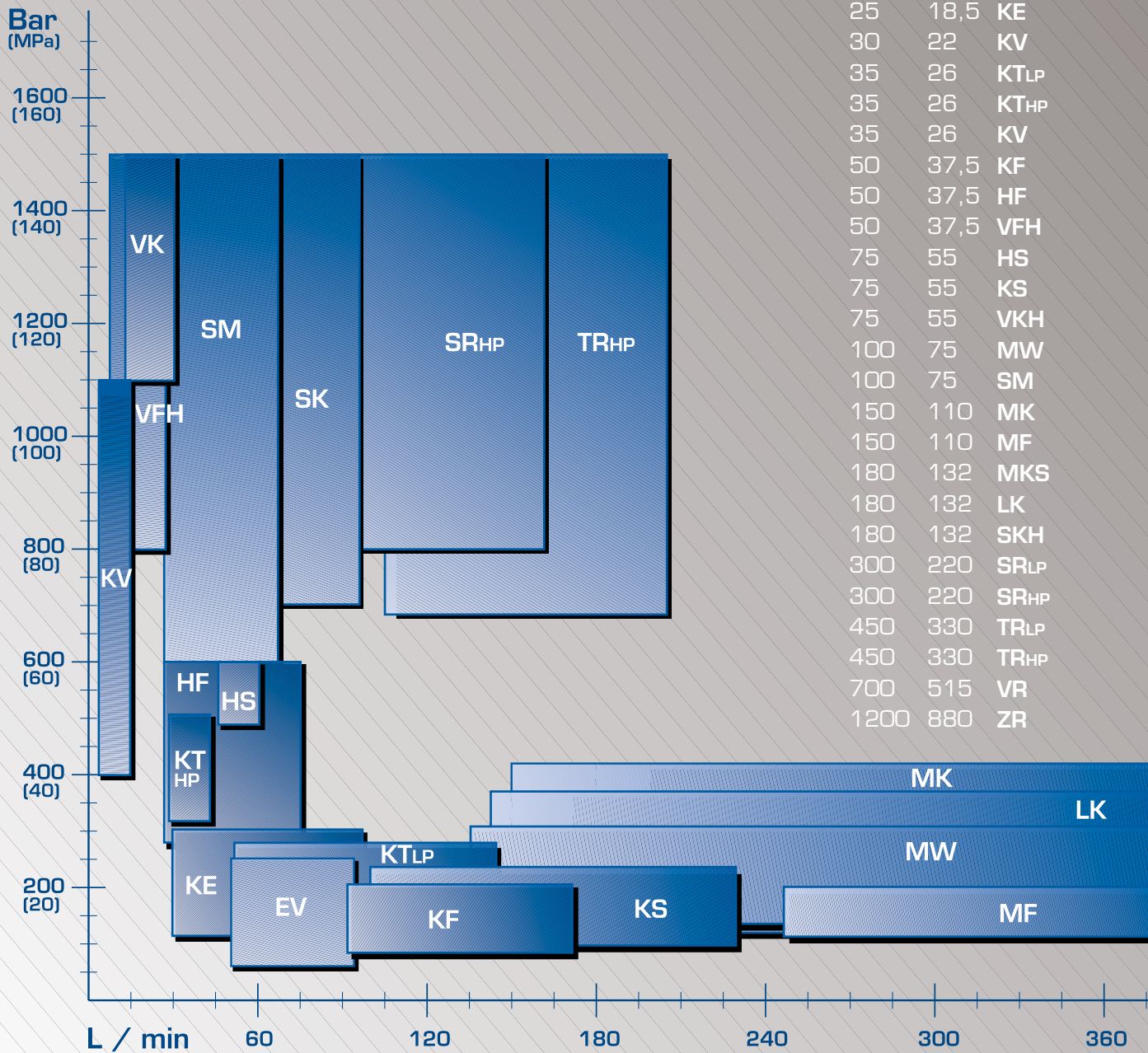


# Indice - Index

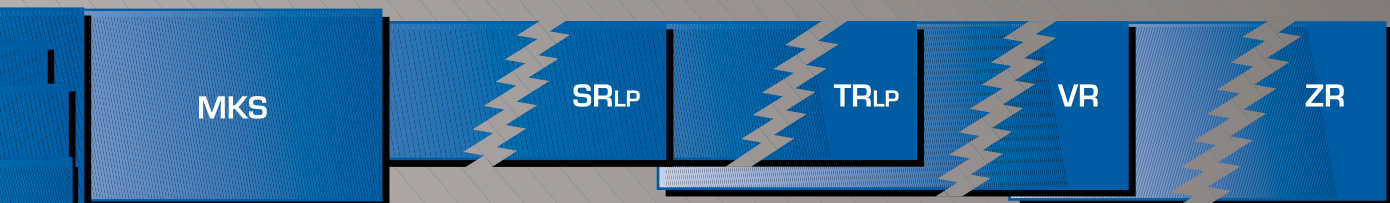
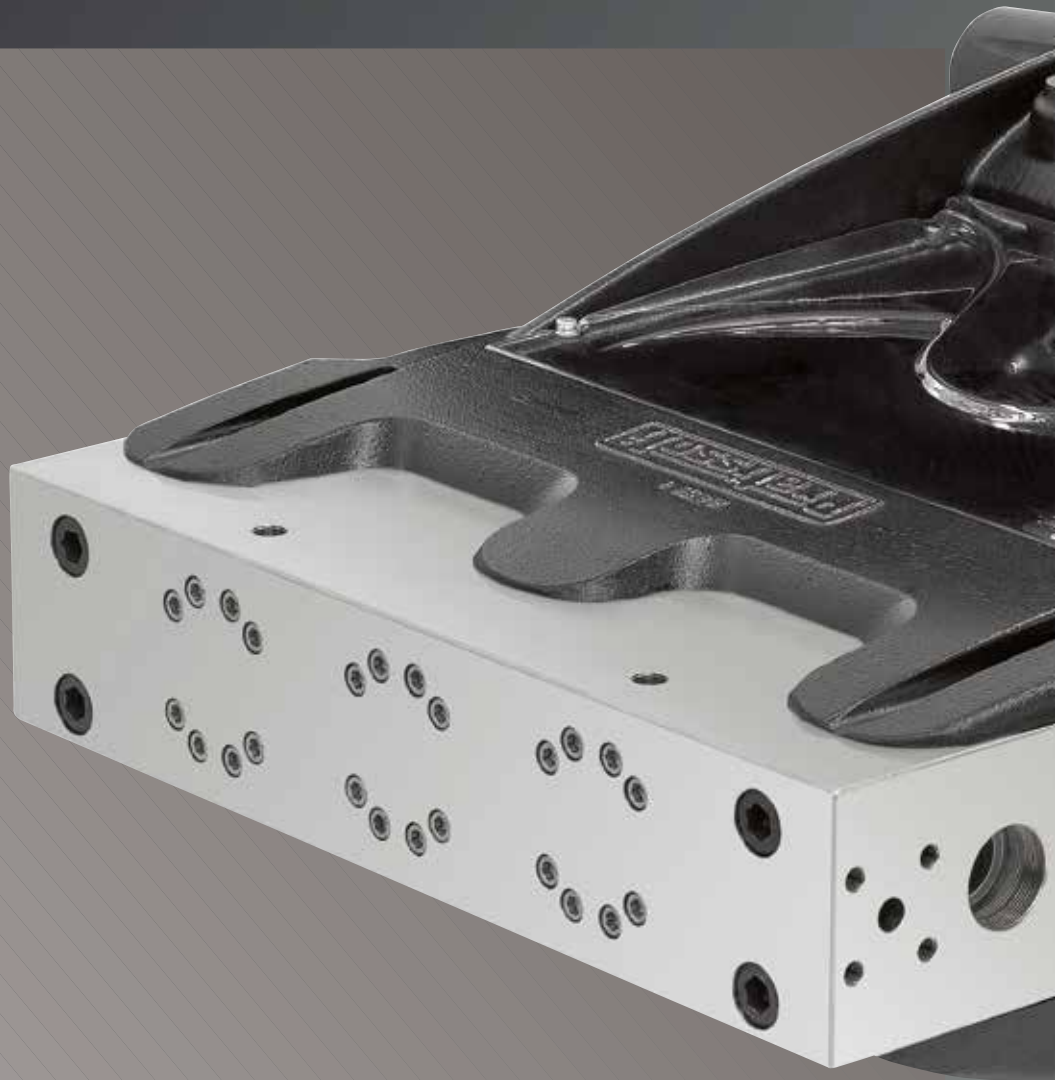
<i>Plunger pump series</i>	pag.	8 - 53
<i>Piston pump series</i>	pag.	54 - 59
<i>Hy-Pach IP</i>	pag.	60 - 61
<i>Accessories</i>	pag.	62 - 73
<i>GL power units</i>	pag.	74 - 77

## Guida alla scelta delle pompe - Pumps selection guide

Gamma potenze  
Power chart



<b>KE</b>	pag. 8 - 9
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<b>KT<sub>HP</sub></b>	pag. 14 - 15
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<b>KF</b>	pag. 18 - 19
<b>HF</b>	pag. 20 - 21
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<b>KS</b>	pag. 24 - 25
<b>HS</b>	pag. 26 - 27
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<b>MK2</b>	pag. 36 - 39
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<b>MK2S</b>	pag. 42 - 45
<b>LK</b>	pag. 46
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<b>ZR</b>	pag. 53



420

480

600

880

1100

1600

2660

# Plunger Pump series

Una gamma di pompe articolata in più di 200 versioni realizzate per le più impegnative applicazioni nell'INDUSTRIA CHIMICA, PETROLCHIMICA, ALIMENTARE, MINERARIA, EDILE, NAVALE, TESSILE, ELETTRONICA, MECCANICA, ENERGETICA:

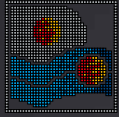
- Osmosi inversa
- Iniezione in pozzo
- Test idrostatici
- Iniezione chimica
- Rimozione rivestimenti
- Alimentazione presse
- Carotaggio
- Umidificazione
- Idrodemolizione
- Disidratazione gas
- Discagliatura
- Taglio ad acqua
- Pulizia reti acque reflue
- Lavaggio strade
- Rimozione vernice
- Preparazione superfici
- Lavaggio serbatoi
- Stimolazione pozzi
- Pulizia scambiatori
- Pulizia torri raffreddamento
- Percussori ad acqua
- Pulizia filtri pressa
- Antincendio

*A line of pumps made of more than 200 models designed for the most Demanding Applications in the CHEMICAL, PETROLCHEMICAL, OIL & GAS, FOOD, MINING, BUILDING, NAVAL, TEXTILE, POWER GENERATION, ELECTRONIC, MECHANICAL INDUSTRIES:*

- *Reverse osmosis*
- *Waste water injection*
- *Hydrostatic testing*
- *Chemical injection*
- *Coating removal*
- *Presse machine*
- *Core sampling*
- *Misting*
- *Hydrodemolition*
- *Gas dehydration*
- *Metal descaling*
- *Water cutting*
- *Sewer jetting*
- *Street cleaning*
- *Paint stripping*
- *Surface preparation*
- *Tank cleaning*
- *Well stimulation*
- *Heat exchanger cleaning*
- *Cooling tower cleaning*
- *Water hammering*
- *Filter press cleaning*
- *Fire suppression*



**INTERPUMP  
GROUP**



**Pratissoli**



# 25HP

# KE series



**ATEX**  
II 2GD ck T4/T135°C  
ON REQUEST



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	70
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	S.S / ALU / CER

**CARTER SIMMETRICO** per conversione rapida sporgenza albero dx o sx.  
**SYMMETRICAL POWER END** for easy and quick right left side shaft conversion.

### Standard

Pompa Pump	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
KE 20	30	7.9	300	30	4350	1450	25	18,4	37
KE 22	37	9.8	250	25	3630	1450	25	18,4	37
KE 24	45	11.9	210	21	3050	1450	25	18,4	37
KE 28H	61	16.1	150	15	2170	1450	25	18,4	37
KE 30H	70	18.5	130	13	1885	1450	25	18,4	37
KE 36H	100	26.4	100	10	1450	1450	25	18,4	37

## NEW UNLOADER VALVE



H1520

H168/H288

### AISI 316L s.s. - Hi Temp. 85°C

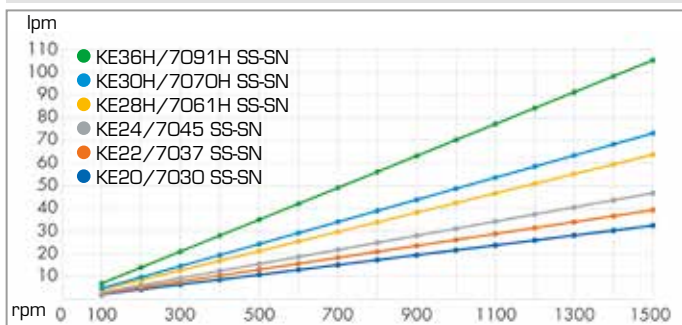
Pompa Pump	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
SS70 30	30	7.9	200	20	2900	1450	16	11,7	37
SS70 37	37	9.8	200	20	2900	1450	19	14,0	37
SS70 45	45	11.9	200	20	2900	1450	24	17,6	37
SS70 61H	61	16.1	150	15	2175	1450	24	17,6	37
SS70 70H	70	18.5	130	13	1885	1450	24	17,6	37
SS70 91H	100	26.4	100	10	1450	1450	26	19,1	37

### AISI 420 s.s. - Hi Temp. 85°C

Pompa Pump	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
SN70 30	30	8.0	300	30	4350	1450	25	18,4	37
SN70 37	37	10.0	250	25	3650	1450	25	18,4	37
SN70 45	45	11.9	210	21	3045	1450	25	18,4	37
SN70 61H	61	16.1	150	15	2170	1450	25	18,4	37
SN70 70H	70	18.5	130	13	1880	1450	25	18,4	37
SN70 91H	100	26.4	100	10	1450	1450	26	19,1	37

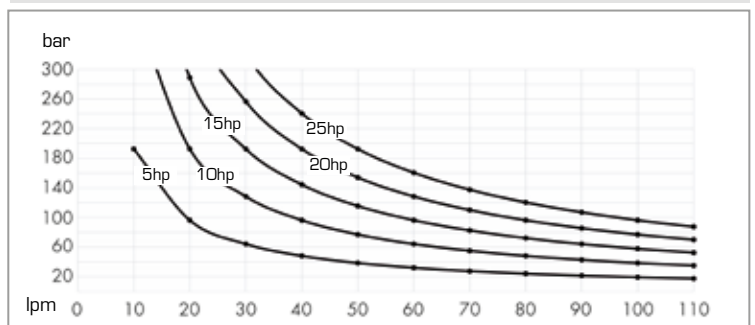
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

### FLOW GRAPH (crankshaft speed)



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.

### POWER GRAPH



### OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-B albero scanalato 13T 16/32 DP  
 Hydraulic motor mount SAE J744-B spline shaft 13T 16/32 DP

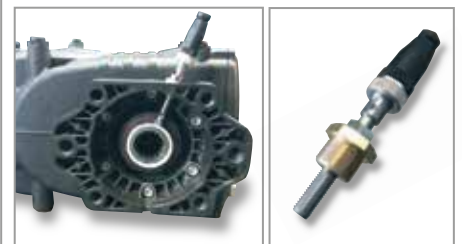


Flangia supporto per azionamenti diretti 1450rpm  
 Flange for direct drive mount 1450 rpm



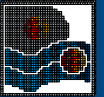
Predisposizione presa di forza ausiliaria opposta albero moto  
 Auxiliary P.T.O. opposite to shaft side

### LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER



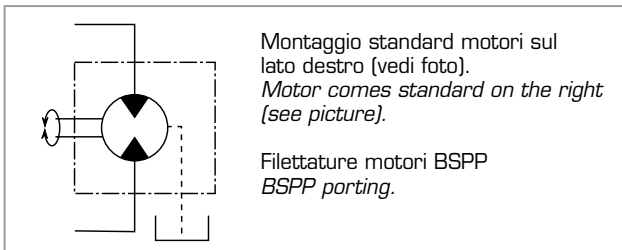
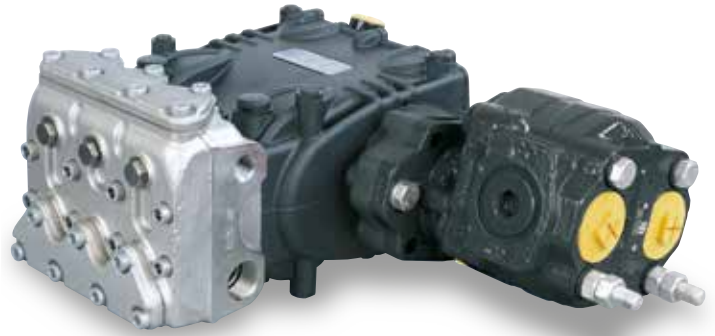
Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC  
 Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC





# HY-PACK HYDRAULIC POWERED PUMPS

Mod.	Volume		Pressure		Speed r.p.m.	Gear 48 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.
KE 20	30	7.9	300	4350	1450	70	18.4	190	2760
KE 22	37	9.8	250	3630	1450	70	18.4	190	2760
KE 24	45	11.9	210	3050	1450	70	18.4	190	2760
KE 28H	61	16.1	150	2180	1450	70	18.4	180	2610
KE 30H	70	18.5	130	1890	1450	70	18.4	180	2610
KE 36H	100	26.4	100	1450	1450	70	18.4	200	2900



Mod.	Volume		Pressure		Speed r.p.m.	Piston IPH 34 cc.		Piston IPH 47 cc.		Piston IPH 64 cc.							
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.				
KE 20	30	7.9	300	4350	1450	49	13.0	260	3770	68	18.0	190	2760	93	24.5	140	2030
KE 22	37	9.8	250	3630	1450	49	13.0	260	3770	68	18.0	190	2760	93	24.5	140	2030
KE 24	45	11.9	210	3050	1450	49	13.0	260	3770	68	18.0	190	2760	93	24.5	140	2030
KE 28H	61	16.1	150	2180	1450	49	13.0	260	3770	68	18.0	190	2760	93	24.5	140	2030
KE 30H	70	18.5	130	1890	1450	49	13.0	260	3770	68	18.0	190	2760	93	24.5	140	2030
KE 36H	100	26.4	100	1450	1450	49	13.0	280	4060	68	18.0	210	3050	93	24.5	150	2180



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

## TUBI ALTA PRESSIONE SPURGO - HIGH PRESSURE SEWER CLEANING HOSES

PILOTFLEX 120			SEWERJET 280		
Ø	Max bar/psi	L (mts)	Ø	Max bar/psi	L (mts)
3/16"	120 - 17500	10 - 15 - 20 - 120	3/8"	280 - 4000	40 - 50 - 60 - 80 - 100
1/4"		10 - 15 - 20 - 120	1/2"		50 - 60 - 80 - 100 - 120
5/16"		10 - 15 - 20 - 120	3/4"		50 - 60 - 80 - 100 - 120
		1"	60 - 80 - 100 - 120 - 150		
			1" 1/4"		60 - 80 - 100 - 120 - 150

# 30HP

# EV series



**ATEX**  
II 2GD ck T4/T135°C  
ON REQUEST



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	64
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	CAST / ALU / CER

**CARTER SIMMETRICO** per conversione rapida sporgenza albero dx o sx.  
**SYMMETRICAL POWER END** for easy and quick right left side shaft conversion.

### Standard

Pompa Pump	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
EV 20	48	12.6	250	25	3625	1450	31,2	22,9	31
	58	15.3	250	25	3625	1750	38,0	27,6	
EV 22	58	15.3	180	18	2610	1450	27,0	19,9	31
	70	18.4	180	18	2610	1750	33,0	24,1	
EV 25	75	19.8	150	15	2175	1450	29,0	21,5	31
	90	23.8	150	15	2175	1750	35,0	25,8	
EV 26	81	21.4	130	13	1885	1450	27,0	20,1	31
	98	25.8	130	13	1885	1750	33,0	24,3	
EV 28	94	24.8	120	12	1740	1450	29,0	21,5	31

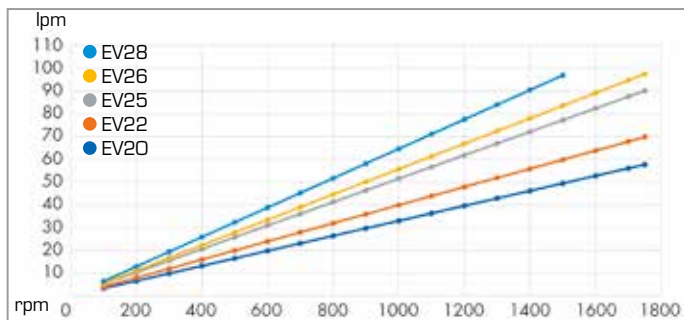
Portate teoriche con rendimento volumetrico 100%  
 Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura  
 Technical data rounded for ease in readability

## NEW UNLOADER VALVE

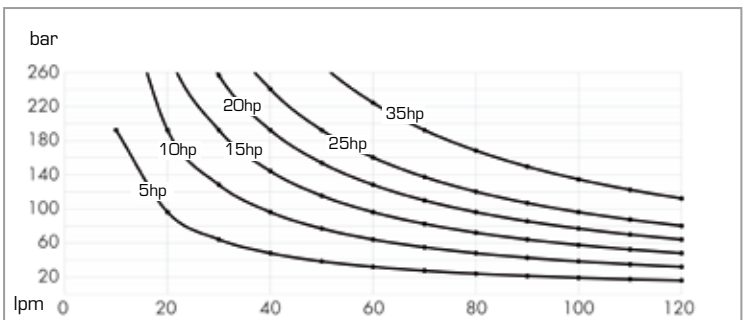


H168/H288

### FLOW GRAPH (crankshaft speed)



### POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso/ Datas are indicative not binding subject to change without notice.

### OPZIONI TRASMISSIONI - DRIVE OPTIONS

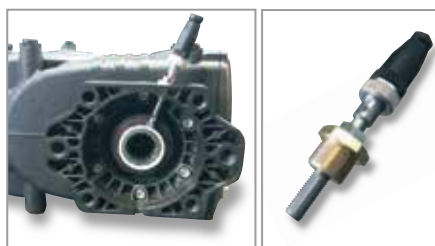


Predisposizione per motore idraulico SAE J744-B albero scanalato 13T 16/32 DP  
 Hydraulic motor mount SAE J744-B spline shaft 13T 16/32 DP

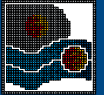


Flangia supporto per azionamenti diretti 1450 rpm  
 Flange for direct drive mount 1450 rpm

### LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER

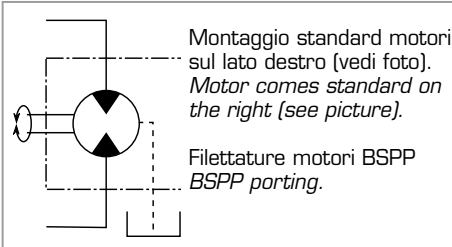


Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC  
 Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC



# HY-PACK

## HYDRAULIC POWERED PUMPS



Mod.	Volume		Pressure		Speed r.p.m.	Gear Galtech 53 cc.		Gear Galtech 62 cc.		Gear Galtech 70 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
EV 20	48	12.6	250	3625	1450					102	26.8	160	2320
EV 22	58	15.3	180	2610	1450	77	20.3	190	2760	90	23.8	160	2320
EV 25	75	19.8	150	2175	1450	77	20.3	200	2900	90	23.8	170	2470
EV 26	81	21.4	130	1885	1450	77	20.3	190	2760	90	23.8	160	2320
EV 28	94	24.8	120	1740	1450	77	20.3	200	2900	90	23.8	170	2470
EV 20	58	15.3	250	3625	1750					123	32.4	160	2320
EV 22	70	18.4	180	2610	1750	93	24.5	190	2760	109	28.7	160	2320
EV 25	90	23.8	150	2175	1750	93	24.5	200	2900	109	28.7	170	2470
EV 26	98	25.8	130	1885	1750	93	24.5	190	2760	109	28.7	160	2320

Mod.	Volume		Pressure		Speed r.p.m.	Piston IPH 34 cc.		Piston IPH 47 cc.		Piston IPH 64 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
EV 20	48	12.6	250	3625	1450	49	13.0	330	4790	68	18.0	240	3480
EV 22	58	15.3	180	2610	1450	49	13.0	290	4210	68	18.0	210	3050
EV 25	75	19.8	150	2175	1450	49	13.0	310	4500	68	18.0	230	3340
EV 26	81	21.4	130	1885	1450	49	13.0	290	4210	68	18.0	210	3050
EV 28	94	24.8	120	1740	1450	49	13.0	310	4500	68	18.0	230	3340
EV 20	58	15.3	250	3625	1750	60	15.7	330	4790	82	21.7	240	3480
EV 22	70	18.4	180	2610	1750	60	15.7	290	4210	82	21.7	210	3050
EV 25	90	23.8	150	2175	1750	60	15.7	310	4500	82	21.7	230	3340
EV 26	98	25.8	130	1885	1750	60	15.7	290	4210	82	21.7	210	3050



**ACCESSORIES** VEDI Pag. 62 - SEE pag. 62

PILOTFLEX 120			SEWERJET 280		
Ø	Max bar/psi	L (mts)	Ø	Max bar/psi	L (mts)
3/16"	120 - 17500	10 - 15 - 20 - 120	3/8"	280 - 4000	40 - 50 - 60 - 80 - 100
1/4"		10 - 15 - 20 - 120	1/2"		50 - 60 - 80 - 100 - 120
5/16"		10 - 15 - 20 - 120	3/4"		50 - 60 - 80 - 100 - 120
		1"	60 - 80 - 100 - 120 - 150		
			1" 1/4		60 - 80 - 100 - 120 - 150



# 35HP

# KT LP series



Scheda tecnica, esplosi, manuali uso e manutenzione  
Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	70
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	CAST / ALU / CER

**CARTER SIMMETRICO** per conversione rapida sporgenza albero dx o sx.  
**SYMMETRICAL POWER END** for easy and quick right left side shaft conversion.



**ATEX**  
II 2GD ck T4/T135°C  
ON REQUEST

## Standard

Pompa Pump	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
KT 24	51	13.5	250	25	3625	1450	33	24,4	40
	62	16.3	200	20	2900	1750	32	23,6	
KT 26	60	15.8	250	25	3625	1450	39	28,6	40
	70	18.4	200	20	2900	1450	36	26,7	
KT 28	84	22.2	175	17,5	2540	1750	38	28,0	40
	80	21.1	140	14	2030	1750	35	26,0	
KT 30	96	25.5	175	17,5	2540	1450	36	26,7	40
	91	24.0	150	15	2175	1450	35	26,0	
KT 32	103	27.2	150	15	2175	1450	40	29,5	40
	115	30.4	120	12	1740	1450	36	26,7	
KT 34	125	33.1	125	12,5	1810	1580	41	29,9	40
	142	37.5	100	10	1450	1450	37	27,1	

Portate teoriche con rendimento volumetrico 100%  
Volumes are theoretical at 100% volumetric efficiency  
Dati tecnici arrotondati per facilità di lettura  
Technical data rounded for ease in readability

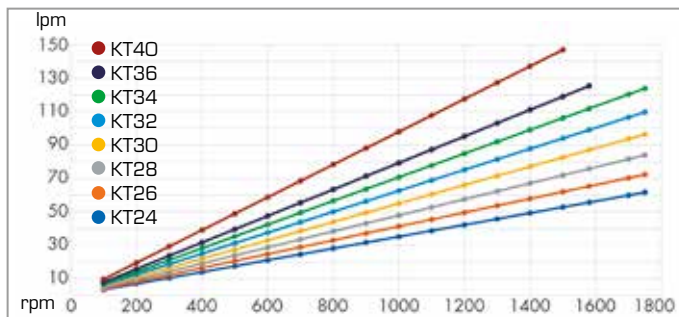
## NEW UNLOADER VALVE



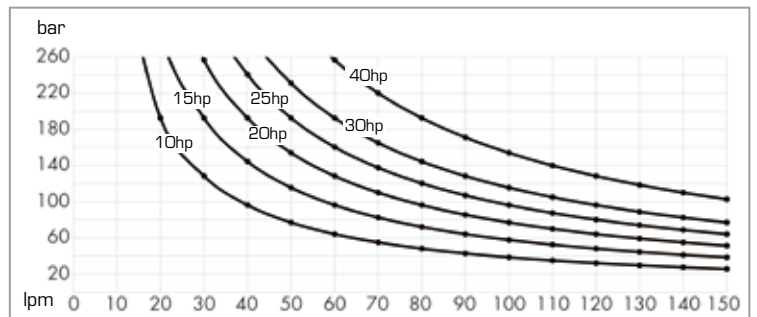
H1520

H168/H288

## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso/ Datas are indicative not binding subject to change without notice.

## OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-B albero scanalato 13T 16/32 DP  
Hydraulic motor mount SAE J744-B spline shaft: 13T 16/32 DP

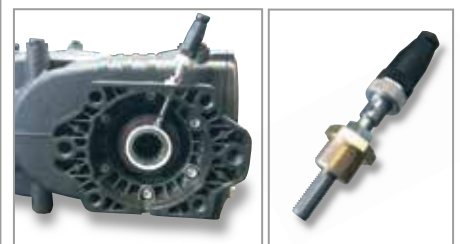


Flangia supporto per azionamenti diretti 1450 rpm  
Flange for direct drive mount 1450 rpm

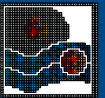


Predisposizione presa di forza ausiliaria opposta albero moto  
Auxiliary P.T.O. opposite to shaft side

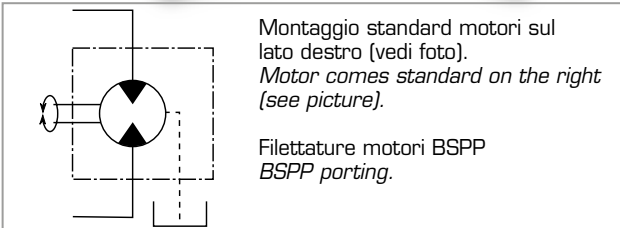
## LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER



Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC  
Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC



# HY-PACK HYDRAULIC POWERED PUMPS



Mod.	Volume		Pressure		Speed r.p.m.	Gear IPH 48 cc.				Piston IPH 34 cc.				Piston IPH 47 cc.				Piston IPH 64 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
KT 24	51	13.5	250	3625	1450	70	18.4	250	3630	49	13.0	350	5080	68	18.0	260	3770	93	24.5	190	2760
KT 26	60	15.8	250	3625	1450	70	18.4	300	4350					68	18.0	300	4350	93	24.5	220	3190
KT 28	70	18.4	200	2900	1450	70	18.4	270	3920	49	13.0	390	5660	68	18.0	280	4060	93	24.5	210	3050
KT 30	80	21.1	175	2540	1450	70	18.4	280	4060	49	13.0	390	5660	68	18.0	280	4060	93	24.5	210	3050
KT 32	91	24.0	150	2175	1450	70	18.4	270	3920	49	13.0	380	5510	68	18.0	270	3920	93	24.5	200	2900
KT 34	103	27.2	150	2175	1450	70	18.4	300	4350	49	13.0	430	6240	68	18.0	310	4500	93	24.5	230	3340
KT 36	115	30.4	120	1740	1450	70	18.4	270	3920	49	13.0	380	5510	68	18.0	280	4060	93	24.5	210	3050
KT 40	142	37.5	100	1450	1450	70	18.4	280	4060	49	13.0	390	5660	68	18.0	290	4210	93	24.5	210	3050
KT 24	62	16.3	200	2900	1750	84	22.2	200	2900	60	15.7	280	4060	82	21.7	210	3050	112	29.6	150	2180
KT 28	84	22.2	175	2540	1750	84	22.2	240	3480	60	15.7	340	4930	82	21.7	250	3630	112	29.6	180	2610
KT 30	96	25.5	140	2030	1750	84	22.2	220	3190	60	15.7	310	4500	82	21.7	230	3340	112	29.6	170	2470
KT 36	125	33.1	125	1810	1580	76	20.0	280	4060	54	14.2	400	5800	74	19.6	290	4210	101	26.7	210	3050

Mod.	Volume		Pressure		Speed r.p.m.	Gear Galtech 53 cc.				Gear Galtech 62 cc.				Gear Galtech 70 cc.			
	L/min	Gpm	bar*	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
KT 24	62	16.3	200	2900	1750	93	24.5	180	2610	109	28.7	160	2320	123	32.4	140	2030
KT 30	96	25.5	140	2030	1750	93	24.5	200	2900	109	28.7	170	2470	123	32.4	150	2180



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

### TUBI ALTA PRESSIONE SPURGO - HIGH PRESSURE SEWER CLEANING HOSES

PILOTFLEX 120			SEWERJET 280		
Ø	Max bar/psi	L (mts)	Ø	Max bar/psi	L (mts)
3/16"	120-17500	10-15-20-120	3/8"	280-4000	40-50-60-80-100
1/4"		10-15-20-120	1/2"		50-60-80-100-120
5/16"		10-15-20-120	3/4"		50-60-80-100-120
		1"	60-80-100-120-150		
			1" 1/4		60-80-100-120-150

# 35HP KT HP series



Scheda tecnica, esplosi, manuali uso e manutenzione  
 Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	70
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	S.S. / ALU / CER

CARTER SIMMETRICO per conversione rapida sporgenza albero dx o sx.  
 SYMMETRICAL POWER END for easy and quick right left side shaft conversion.



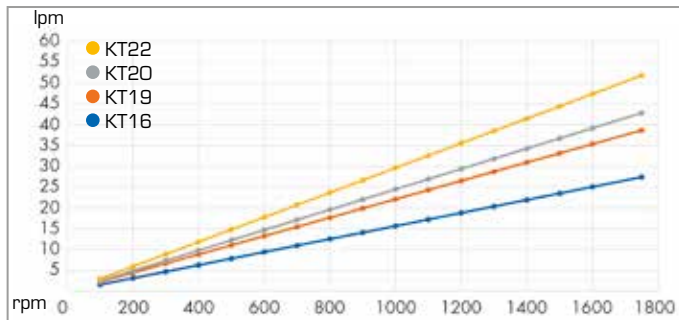
**ATEX**  
 II 2GD ck T4/T135°C  
 ON REQUEST

## Standard

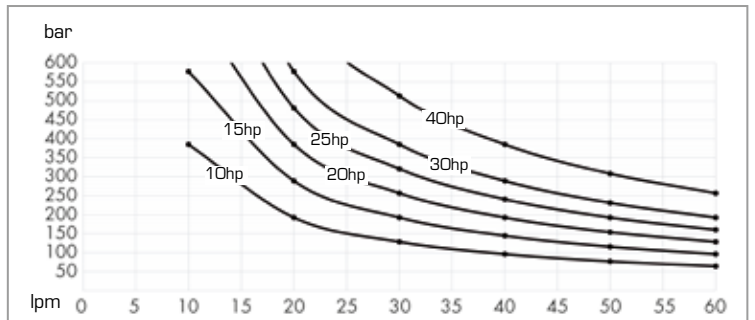
Pompa Pump	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
KT 16	27	7.2	500	50	7250	1750	36	26,2	41
KT 19	30	7.9	500	50	7250	1450	39	29,0	41
	36	9.5	400	40	5800	1750	37	27,5	
KT 20	36	9.5	400	40	5800	1450	37	27,1	41
	43	11.4	320	32	4640	1750	36	26,2	
KT 22	43	11.4	320	32	4640	1450	36	26,3	40
	52	13.7	250	25	3625	1750	34	24,8	

Portate teoriche con rendimento volumetrico 100%  
 Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura  
 Technical data rounded for ease in readability

## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.

## OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-B albero scanalato 13T 16/32 DP  
 Hydraulic motor mount SAE J744-B spline shaft: 13T 16/32 DP

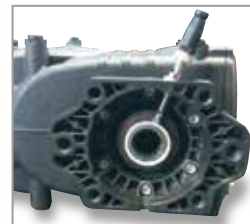


Flangia supporto per azionamenti diretti 1450 rpm  
 Flange for direct drive mount 1450 rpm

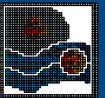


Predisposizione presa di forza ausiliaria opposta albero moto  
 Auxiliary P.T.O. opposite to shaft side

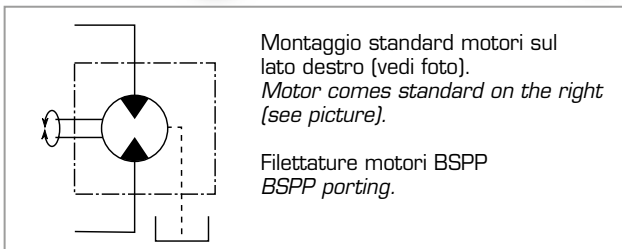
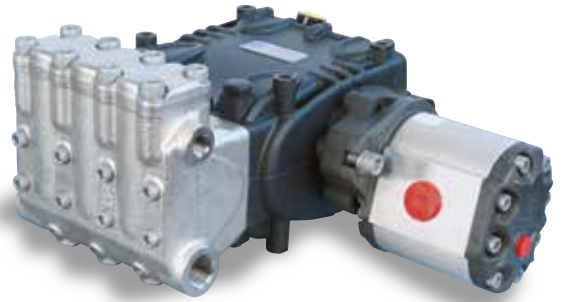
## LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER



Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC  
 Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC



# HY-PACK HYDRAULIC POWERED PUMPS



Mod.	Volume		Pressure		Speed r.p.m.	Gear IPH 48 cc.				Piston IPH 34 cc.				Piston IPH 47 cc.				Piston IPH 64 cc.			
	L/min	Gpm	bar	p.s.i.		Oil volume L/min Gpm	Oil press bar p.s.i.	Oil volume L/min Gpm	Oil press bar p.s.i.	Oil volume L/min Gpm	Oil press bar p.s.i.	Oil volume L/min Gpm	Oil press bar p.s.i.	Oil volume L/min Gpm	Oil press bar p.s.i.						
KT 19	30	7.9	500	7250	1450	70	18.4	320	4640			68	18.0	320	4640	93	24.5	240	3480		
KT 20	36	9.4	400	5800	1450	70	18.4	280	4060	49	13.0	390	5660	68	18.0	290	4210	93	24.5	210	3050
KT 22	43	11.4	320	4640	1450	70	18.4	270	3920	49	13.0	380	5510	68	18.0	280	4060	93	24.5	200	2900
KT 16	27	7.2	500	7250	1750	84	22.2	220	3190	60	15.7	320	4640	82	21.7	230	3340	112	29.6	170	2470
KT 19	36	9.5	400	5800	1750	84	22.2	250	3630	60	15.7	360	5220	82	21.7	260	3770	112	29.6	190	2760
KT 20	43	11.4	320	4640	1750	84	22.2	220	3190	60	15.7	320	4640	82	21.7	230	3340	112	29.6	170	2470
KT 22	52	13.7	250	3625	1750	84	22.2	210	3050	60	15.7	300	4350	82	21.7	220	3190	112	29.6	160	2320

Mod.	Volume		Pressure		Speed r.p.m.	Gear Galtech 53 cc.				Gear Galtech 62 cc.				Gear Galtech 70 cc.			
	L/min	Gpm	bar	p.s.i.		Oil volume L/min Gpm	Oil press bar p.s.i.	Oil volume L/min Gpm	Oil press bar p.s.i.	Oil volume L/min Gpm	Oil press bar p.s.i.	Oil volume L/min Gpm	Oil press bar p.s.i.				
KT 16	27	7.2	500	7250	1750	93	24.5	200	2900			123	32.4	160	2320		
KT 20	43	11.4	320	4640	1750	93	24.5	200	2900			123	32.4	160	2320		
KT 22	52	13.7	250	3625	1750	93	24.5	190	2760	109	28.7	170	2470	123	32.4	150	2180



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

### TUBI ALTA PRESSIONE SPURGO - HIGH PRESSURE SEWER CLEANING HOSES

PILOTFLEX 120			SEWERJET 280		
Ø	Max bar/psi	L (mts)	Ø	Max bar/psi	L (mts)
3/16"	120 - 17500	10 - 15 - 20 - 120	3/8"	280 - 4000	40 - 50 - 60 - 80 - 100
1/4"		10 - 15 - 20 - 120	1/2"		50 - 60 - 80 - 100 - 120
5/16"		10 - 15 - 20 - 120	3/4"		50 - 60 - 80 - 100 - 120
			1"		60 - 80 - 100 - 120 - 150
			1" 1/4"		60 - 80 - 100 - 120 - 150

# 35HP

# KV series



COSTRUZIONE / CONSTRUCTION	
POWER FRAME	70
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	S.S. / ALU / CER

Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

**CARTER SIMMETRICO** per conversione rapida sporgenza albero dx o sx.  
**SYMMETRICAL POWER END** for easy and quick right left side shaft conversion.



ATEX  
II 2GD ck T4/T135°C  
ON REQUEST

**NEW**  
RELIEF VALVE



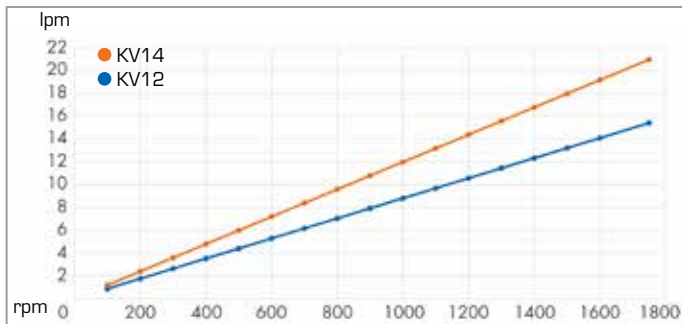
R1102

### Standard

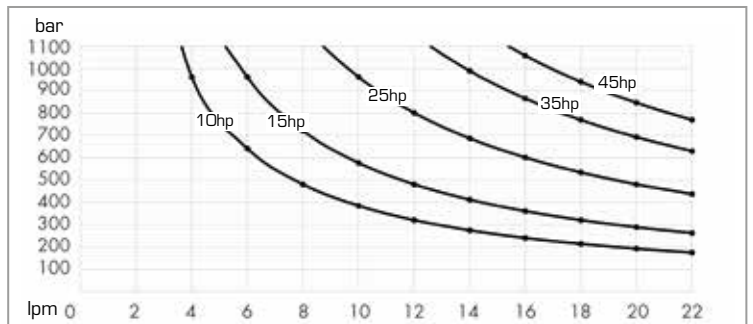
Pompa Pump	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power		Peso Weight
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
KV 12	12,8	3.4	1100	110	16000	1450	36,5	26,9	40
	15,4	4.1	1100	110	16000	1750	44,0	32,4	
KV 14	17,4	4.6	800	80	11600	1450	36,1	26,6	40
	21,0	5.5	800	80	11600	1750	43,6	32,0	

Portate teoriche con rendimento volumetrico 100%  
 Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura  
 Technical data rounded for ease in readability

### FLOW GRAPH (crankshaft speed)



### POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.

### OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-B albero scanalato 13T 16/32 DP  
 Hydraulic motor mount SAE J744-B spline shaft: 13T 16/32 DP



Flangia supporto per azionamenti diretti 1450 rpm  
 Flange for direct drive mount 1450 rpm



Predisposizione presa di forza ausiliaria opposta albero moto  
 Auxiliary P.T.O. opposite to shaft side

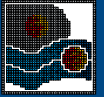
### LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER



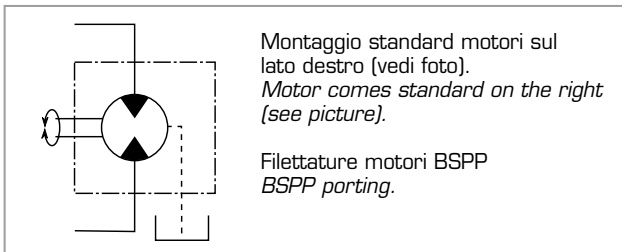
Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC

Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC





# HY-PACK HYDRAULIC POWERED PUMPS



Mod.	Volume		Pressure		Speed r.p.m.	Gear IPH 48 cc.				Piston IPH 34 cc.				Piston IPH 47 cc.				Piston IPH 64 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
<b>KV 12</b>	12,8	3.4	1100	16000	1450	70	18.4	280	4060	49	13.0	390	5660	68	18.0	280	4060	93	24.5	210	3050
<b>KV 12</b>	15,4	4.1	1100	16000	1750	84	22.2	280	4060	60	15.7	390	5660	82	21.7	280	4060	112	29.6	210	3050
<b>KV 14</b>	17,4	4.6	800	11600	1450	70	18.4	270	3920	49	13.0	390	5660	68	18.0	280	4060	93	24.6	210	3050
<b>KV 14</b>	21,0	5.5	800	11600	1750	84	22.2	270	3920	60	15.7	390	5660	82	21.7	280	4060	112	29.6	210	3050



**ACCESSORIES** VEDI Pag. 62 - SEE pag. 62

# 50HP

# KF series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	71
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	S.S. / ALU / CER

CARTER SIMMETRICO per conversione rapida sporgenza albero dx o sx.  
 SYMMETRICAL POWER END for easy and quick right left side shaft conversion.

## NEW UNLOADER VALVE



H1520



H2820



ATEX  
II 2GD ck T4/T1 35°C  
ON REQUEST

### Standard

Pompa Pump	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
KF 28	93	24.5	210	21	3050	1000	50	37,0	72
KF 30	106	28.0	200	20	2900	1000	55	40,0	72
KF 32	120	31.7	180	18	2610	1000	56	41,2	72
KF 36	122	32.2	160	16	2320	800	51	37,5	72
	137	36.2	140	14	2030	900	50	37,5	
	153	40.4	130	13	1890	1000	52	38,2	
KF 40	170	45.0	110	11	1600	900	49	36,0	72

### Run dry - Hi Temp.

Pompa Pump	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
KFR 28	93	24.5	210	21	3050	1000	50	37,0	72
KFR 30	106	28.0	200	20	2900	1000	55	40,0	72
KFR 32	120	31.7	180	18	2610	1000	56	41,2	72
KFR 36	122	32.2	160	16	2320	800	51	37,5	72
	137	36.2	140	14	2030	900	50	37,5	
	153	40.4	130	13	1890	1000	52	38,2	
KFR 40	170	45.0	110	11	1600	900	49	36,0	72

### AISI 316L s.s. - Hi Temp. 85°C

Pompa Pump	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
SS71 93	93	24.5	210	21	3050	1000	48	35,3	72
SS71 106	106	28.0	200	20	2900	1000	55	40,0	72
SS71 153	122	32.2	160	16	2320	800	51	37,5	72
	137	36.2	140	14	2030	900	50	37,5	
	153	40.4	130	13	1890	1000	52	38,2	
SS71 170	170	44.9	100	10	1900	1000	44	36,0	72

### AISI 420 s.s. - Hi Temp. 85°C

Pompa Pump	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
SN71 93	93	24.5	210	21	3050	1000	50	37,0	72
SN71 106	106	28.0	200	20	2900	1000	55	40,0	72
SN71 153	122	32.2	160	16	2320	800	51	37,5	72
	137	36.2	140	14	2030	900	50	37,5	
	153	40.4	130	13	1890	1000	52	38,2	
SN71 170	170	44.9	100	10	1600	900	49	36,0	72

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

### OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP  
 Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP



Flangia supporto per azionamenti diretti 1000 rpm  
 Flange for direct drive mount 1000 rpm



Predisposizione presa di forza ausiliaria opposta albero moto  
 Auxiliary P.T.O. opposite to shaft side



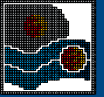
Riduttore - Gearbox  
 Disponibile riduttore laterale rapporti 1:1,25 - 1,5 - 1,83  
 Optional gear box available ratios 1:1,25 - 1,5 - 1,83

### LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER

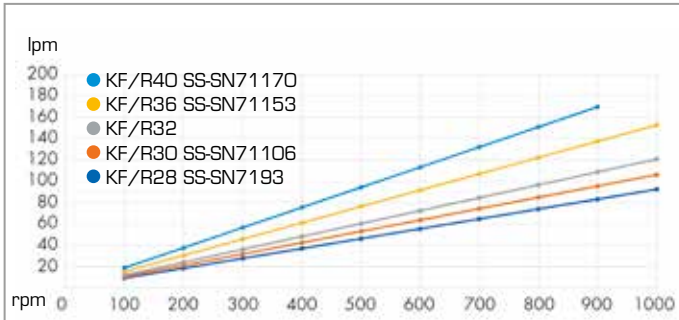


Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC  
 Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC

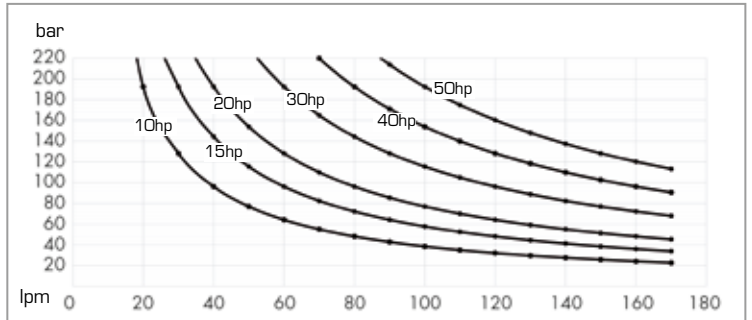




### FLOW GRAPH (crankshaft speed)

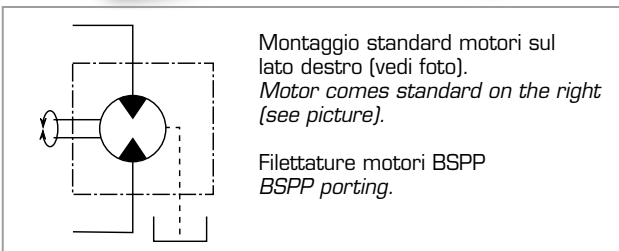
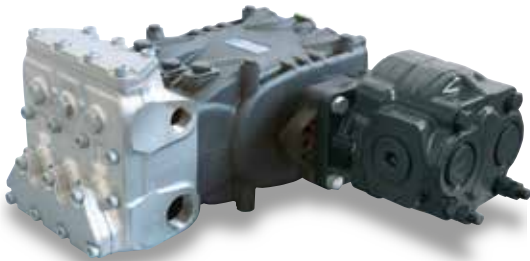


### POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso/ *Datas are indicative not binding subject to change without notice.*

# HY-PACK HYDRAULIC POWERED PUMPS



Mod.	Volume		Pressure		Speed	Gear IPH 117 cc.				Piston IPH 84 cc.				Piston IPH 110 cc.			
	L/min	Gpm	bar	p.s.i.	r.p.m.	L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
KF 28	93	24.5	210	3050	1000	117	30.9	230	3340	84	22.2	320	4640	110	29.1	240	3480
KF 30	106	28.0	200	2900	1000	117	30.9	250	3630	84	22.2	340	4930	110	29.1	260	3770
KF 32	120	31.7	180	2610	1000	117	30.9	250	3630	84	22.2	350	5080	110	29.1	270	3920
KF 36	153	40.0	130	1890	1000	117	30.9	230	3340	84	22.2	320	4640	110	29.1	250	3630
KF 40	170	45.0	110	1600	900	105	27.8	240	3480	76	20.0	340	4930	99	26.2	260	3770



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

### TUBI ALTA PRESSIONE SPURGO - HIGH PRESSURE SEWER CLEANING HOSES

PILOTFLEX 120			SEWERJET 280		
Ø	Max bar/psi	L (mts)	Ø	Max bar/psi	L (mts)
3/16"	120 - 17500	10 - 15 - 20 - 120	3/8"	280 - 4000	40 - 50 - 60 - 80 - 100
1/4"		10 - 15 - 20 - 120	1/2"		50 - 60 - 80 - 100 - 120
5/16"		10 - 15 - 20 - 120	3/4"		50 - 60 - 80 - 100 - 120
		1"	60 - 80 - 100 - 120 - 150		
			1" 1/4		60 - 80 - 100 - 120 - 150

# 50HP

# HF series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	71
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	S.S. / ALU / CER

CARTER SIMMETRICO per conversione rapida sporgenza albero dx o sx.  
 SYMMETRICAL POWER END for easy and quick right left side shaft conversion.



ATEX  
 II 2GD ck T4/T135°C  
 ON REQUEST

### Standard

Pompa Pump	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
HF 18	30	8.1	600	60	8700	800	48	35,5	65
	38	10.1	500	50	7250		50	36,8	
HF 20	47	12.4	400	40	5800	1000	50	36,8	65
HF 22	57	15.0	350	35	5075	1000	50	36,8	65
HF 25	73	19.3	280	28	4060	1000	50	36,8	64

**NEW**  
 UNLOADER VALVE



H2820

### ASTM F51 s.s. - Hi Temp. 85°C

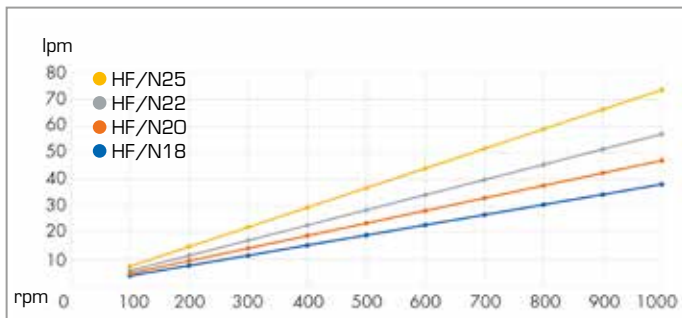
Pompa Pump	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
HFN 22	57	15.0	350	35	5075	1000	50	36,8	65
HFN 25	73	19.3	280	28	4060	1000	50	36,8	64

Portate teoriche con rendimento volumetrico 100%  
 Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura  
 Technical data rounded for ease in readability

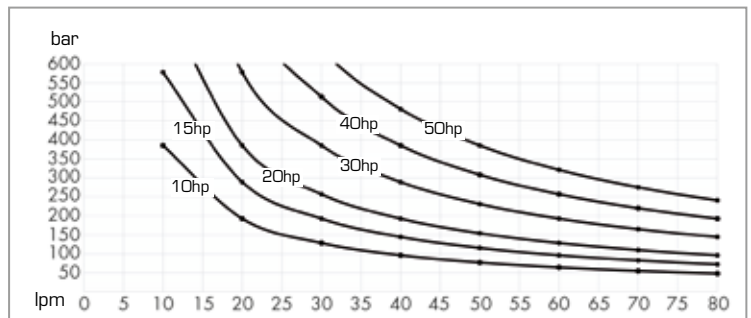


HFN

### FLOW GRAPH (crankshaft speed)



### POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.

### OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP  
 Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP



Flangia supporto per azionamenti diretti 1000 rpm  
 Flange for direct drive mount 1000 rpm

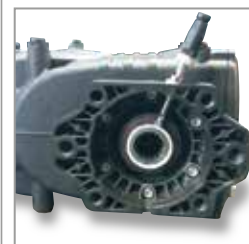


Predisposizione presa di forza ausiliaria opposta albero moto  
 Auxiliary P.T.O. opposite to shaft side



Riduttore - Gearbox  
 Disponibile riduttore laterale rapporti 1:1,25 - 1,5 - 1,83  
 Optional gear box available ratios 1:1,25 - 1,5 - 1,83

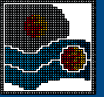
### LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER



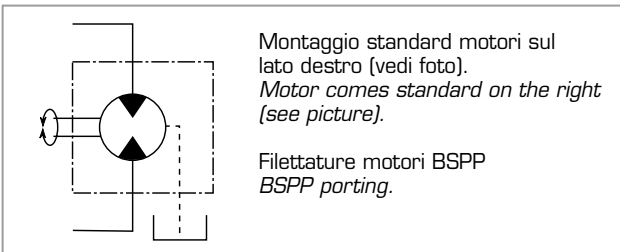
Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC



Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC



# HY-PACK HYDRAULIC POWERED PUMPS



Mod.	Volume		Pressure		Speed	Gear IPH 117 cc.				Piston IPH 84 cc.				Piston IPH 110 cc.			
	L/min	Gpm	bar	p.s.i.	r.p.m.	Oil volume	Oil press	Oil volume	Oil press	Oil volume	Oil press	Oil volume	Oil press				
HF 18	30	7.9	600	8700	800	94	24.7	270	3920	67	17.8	370	5370	88	23.2	290	4210
	38	10.1	500	7250	1000	117	30.9	220	3190	84	22.2	310	4500	110	29.1	240	3480
HF 20	47	12.4	400	5800	1000	117	30.9	220	3190	84	22.2	310	4500	110	29.1	240	3480
HF 22	57	15.0	350	5075	1000	117	30.9	230	3340	84	22.2	320	4640	110	29.1	250	3630
HF 25	73	19.3	280	4060	1000	117	30.9	230	3340	84	22.2	340	4930	110	29.1	260	3770



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

### TUBI ALTA PRESSIONE SPURGO - HIGH PRESSURE SEWER CLEANING HOSES

PILOTFLEX 120			SEWERJET 280		
Ø	Max bar/psi	L (mts)	Ø	Max bar/psi	L (mts)
3/16"	120 - 17500	10 - 15 - 20 - 120	3/8"	280 - 4000	40 - 50 - 60 - 80 - 100
1/4"		10 - 15 - 20 - 120	1/2"		50 - 60 - 80 - 100 - 120
5/16"		10 - 15 - 20 - 120	3/4"		50 - 60 - 80 - 100 - 120
			1"		60 - 80 - 100 - 120 - 150
			1" 1/4"		60 - 80 - 100 - 120 - 150

# 50HP

# VFH series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	71
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	S.S. / ALU / CER

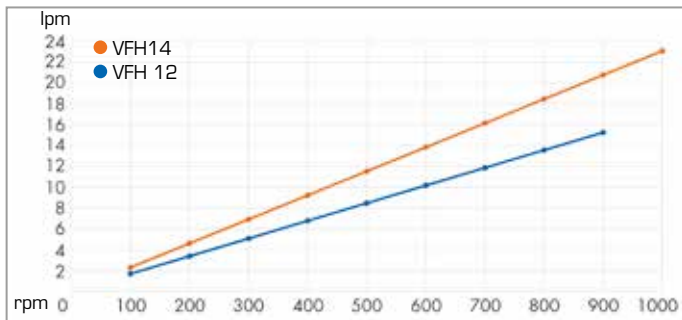
**CARTER SIMMETRICO** per conversione rapida sporgenza albero dx o sx.  
**SYMMETRICAL POWER END** for easy and quick right left side shaft conversion.

## Standard

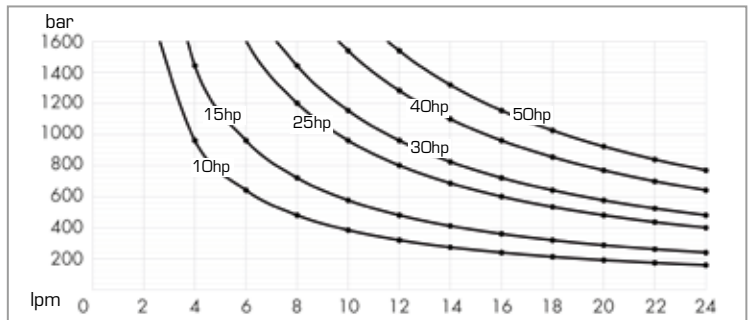
Pompa Pump	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power		Peso Weight
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
VFH 12	12,5	3.3	1500	150	21750	750	50	36,8	65
	15	4.0	1200	120	17400	900	50	36,8	
VFH 14	17	4.5	1100	110	16000	750	50	36,8	65
	23	6.0	800	80	11600	1000	50	36,8	

Portate teoriche con rendimento volumetrico 100%  
 Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura  
 Technical data rounded for ease in readability

## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso/ Datas are indicative not binding subject to change without notice.

## OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP  
 Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP



Flangia supporto per azionamenti diretti 1000 rpm  
 Flange for direct drive mount 1000 rpm

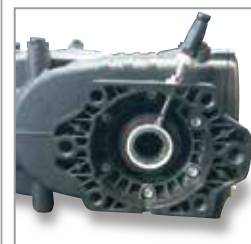


Predisposizione presa di forza ausiliaria opposta albero moto  
 Auxiliary P.T.O. opposite to shaft side



Riduttore - Gearbox  
 Disponibile riduttore laterale rapporti 1:1,25 - 1,5 - 1,83  
 Optional gear box available ratios 1:1,25 - 1,5 - 1,83

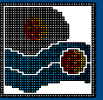
## LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER



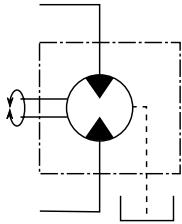
Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC



Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC



# HY-PACK HYDRAULIC POWERED PUMPS

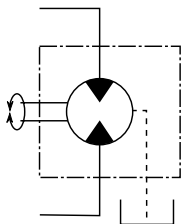


Montaggio standard motori sul lato destro (vedi foto).  
Motor comes standard on the right (see picture).

Filettature motori BSPP  
BSPP porting



Mod.	Volume		Pressure		Speed r.p.m.	Gear 117 IPH cc.				Gear IPH 184 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
VFH 12	12,5	3.3	1500	21750	750	88	23.2	300	4350	138	36.5	190	2760
	15,0	4.0	1200	17400		105	27.8	240	3480	166	43.8	150	2180
VFH 14	17,0	4.5	1100	16000	750	88	23.2	300	4350	138	36.5	190	2760
	23,0	6.0	800	11600		117	30.9	220	3190	184	48.6	140	2030



Montaggio standard motori sul lato destro (vedi disegno).  
Motor comes standard on the right (see picture).

Filettature motori BSPP  
BSPP porting.



Mod.	Volume		Pressure		Speed r.p.m.	Piston IPH 110 cc.				Piston IPH 130 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
VFH 12	12,5	3.3	1500	21750	750	83	21.8	320	4640	98	25.8	270	3920
	15,0	4.0	1200	17400		99	26.2	250	3630	117	30.9	220	3190
VFH 14	17,0	4.5	1100	15950	750	83	21.8	320	4640	98	25.8	270	3920
	23,0	6.0	800	11600		110	29.1	230	3340	130	34.3	200	2900



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

# 75HP KS series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	72
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	S.S. / ALU / CER

CARTER SIMMETRICO per conversione rapida sporgenza albero dx o sx.  
 SYMMETRICAL POWER END for easy and quick right left side shaft conversion.



ATEX  
 II 2GD ck T4/T135°C  
 ON REQUEST

## Standard

Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:1,25	1:1,5	1:1,83	hp	kW	
KS 28	110	29.1	250	25	3630	1500 / 1800 / 2200			75	55,0	102
KS 32	145	38.3	200	20	2900	1500 / 1800 / 2200			75	55,0	102
KS 36	183	48.3	160	16	2320	1500 / 1800 / 2200			75	55,0	98
KS 38	204	54.0	150	15	2175	1500 / 1800 / 2200			75	55,0	98
KS 40	226	59.7	140	14	2030	1500 / 1800 / 2200			75	55,0	98

**NEW**  
 UNLOADER VALVE



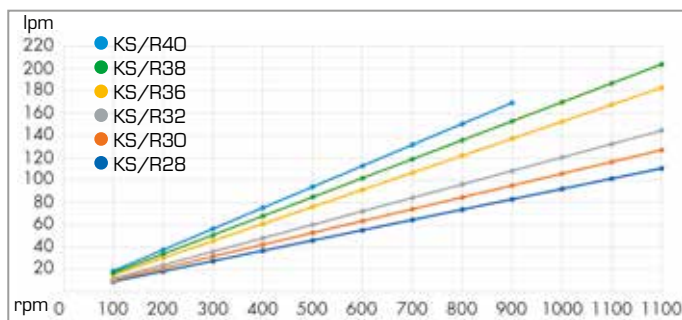
H2820

## Run dry - Hi Temp. 85°C

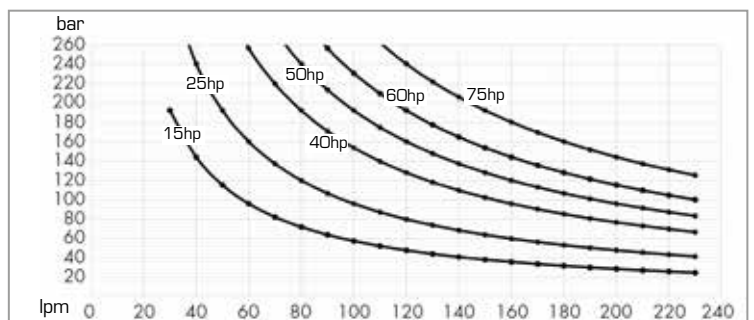
Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:1,25	1:1,5	1:1,83	hp	kW	
KSR 28	110	29.1	250	25	3630	1500 / 1800 / 2200			75	55,0	102
KSR 32	145	38.3	200	20	2900	1500 / 1800 / 2200			75	55,0	102
KSR 36	183	48.3	160	16	2320	1500 / 1800 / 2200			75	55,0	98
KSR 38	204	54.0	150	15	2175	1500 / 1800 / 2200			75	55,0	98
KSR 40	226	59.7	140	14	2030	1500 / 1800 / 2200			75	55,0	98

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.

## OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP 1200 rpm  
 Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP 1200 rpm



Flangia supporto per azionamenti diretti 1200 rpm  
 Flange for direct drive mount 1200 rpm



Predisposizione presa di forza ausiliaria opposta albero moto  
 Auxiliary P.T.O. opposite to shaft side



Presa diretta senza riduttore 1200g/min  
 Direct drive without gearbox 1200 r.p.m.

## LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER

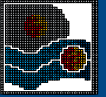


Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC



Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC





# HY-PACK HYDRAULIC POWERED PUMPS

Montaggio standard motori sul lato destro (vedi foto).  
Motor comes standard on the right (see picture).

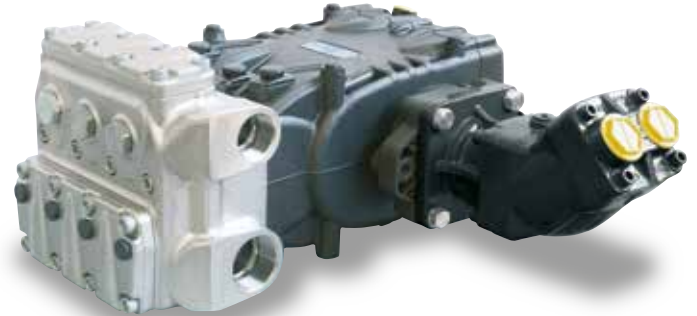
Filettature motori BSPP  
BSPP porting.



Mod.	Volume		Pressure		Speed r.p.m.	Gear IPH 117 cc.				Gear IPH 184 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
KS 28	110	29.1	250	3630	1200	140	37.1	270	3920	221	58.3	170	2470
KS 32	145	38.3	200	2900	1200	140	37.1	280	4060	221	58.3	180	2610
KS 36	183	48.3	160	2320	1200	140	37.1	290	4210	221	58.3	180	2610
KS 40	226	59.7	140	2030	1200	140	37.1	310	4500	221	58.3	200	2900

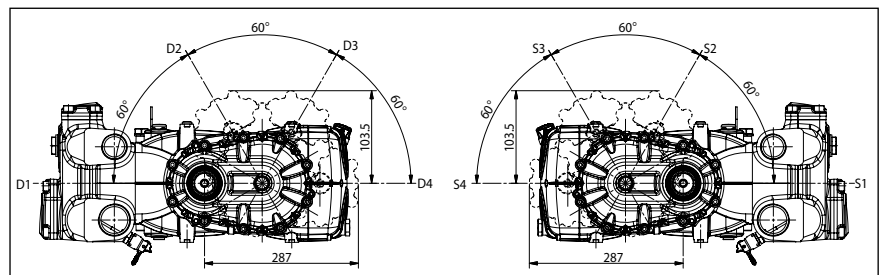
Montaggio standard motori sul lato destro (vedi foto).  
Motor comes standard on the right (see picture).

Filettature motori BSPP  
BSPP porting.



Mod.	Volume		Pressure		Speed r.p.m.	Piston IPH 110 cc.				Piston IPH 130 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
KS 28	110	29.1	250	3630	1200	132	34.9	290	4210	156	41.2	240	3480
KS 32	145	38.3	200	2900	1200	132	34.9	300	4350	156	41.2	250	3630
KS 36	183	48.3	160	2320	1200	132	34.9	300	4350	156	41.2	260	3770
KS 40	226	59.7	140	2030	1200	132	34.9	330	4790	156	41.2	280	4060

### GEARBOX POSITIONING



**ACCESSORIES**  
VEDI Pag. 62  
SEE pag. 62

### TUBI ALTA PRESSIONE SPURGO - HIGH PRESSURE SEWER CLEANING HOSES

PILOTFLEX 120			SEWERJET 280		
Ø	Max bar/psi	L (mts)	Ø	Max bar/psi	L (mts)
3/16"	120 - 17500	10 - 15 - 20 - 120	3/8"	280 - 4000	40 - 50 - 60 - 80 - 100
1/4"		10 - 15 - 20 - 120	1/2"		50 - 60 - 80 - 100 - 120
5/16"		10 - 15 - 20 - 120	3/4"		50 - 60 - 80 - 100 - 120
		1"	60 - 80 - 100 - 120 - 150		
			1" 1/4		60 - 80 - 100 - 120 - 150

# 75HP HS series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	72
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	S.S. / ALU / CER

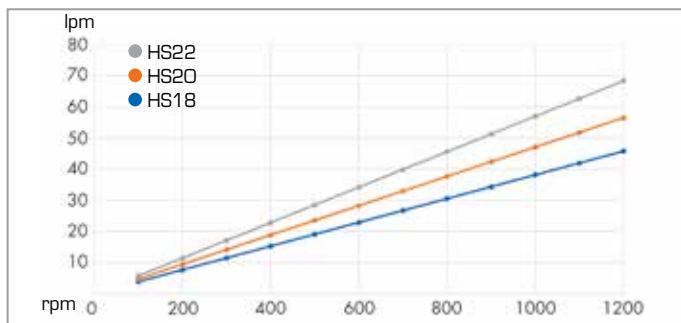
**CARTER SIMMETRICO** per conversione rapida sporgenza albero dx o sx.  
**SYMMETRICAL POWER END** for easy and quick right left side shaft conversion.

## Standard

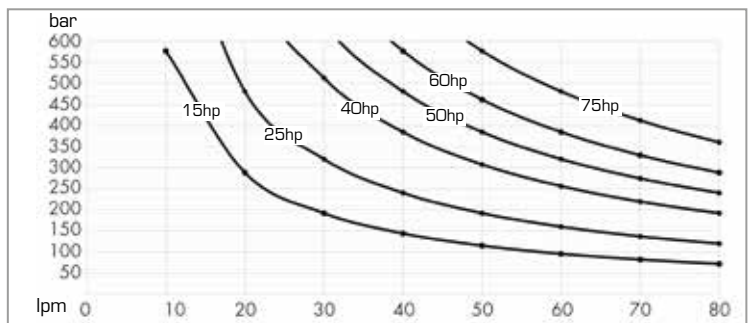
Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.			Potenza Power		Peso Weight
	L/min	US Gpm	bar	MPa	p.s.i.	1:1,25	1:1,5	1:1,83	hp	kW	
HS 18	46	11.9	600	60	8700	1500 / 1800 / 2200			70	51,5	80
HS 20	57	14.8	500	50	7250	1500 / 1800 / 2200			73	53,7	80
HS 22	68	18.0	400	40	5800	1500 / 1800 / 2200			71	52,2	80

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.

## OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP 1200 rpm  
 Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP 1200rpm



Flangia supporto per azionamenti diretti 1200 rpm  
 Flange for direct drive mount 1200 rpm



Predisposizione presa di forza ausiliaria opposta albero moto  
 Auxiliary P.T.O. opposite to shaft side



Presa diretta senza riduttore 1200g/min  
 Direct drive without gearbox 1200 r.p.m.

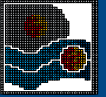
## LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER



Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC



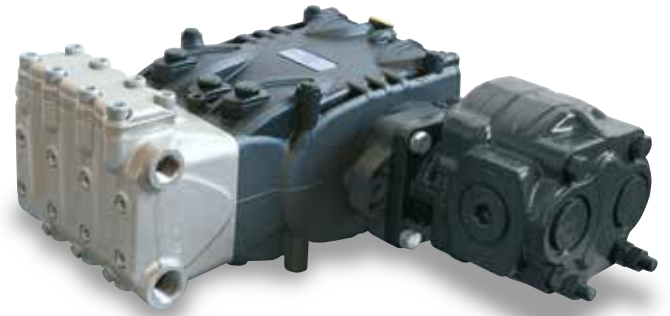
Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC



# HY-PACK HYDRAULIC POWERED PUMPS

Montaggio standard motori sul lato destro (vedi foto).  
Motor comes standard on the right (see picture).

Filettature motori BSPP  
BSPP porting.



Mod.	Volume		Pressure		Speed	Gear IPH 117 cc.				Gear IPH 184 cc.			
	L/min	Gpm	bar	p.s.i.	r.p.m.	L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
HS 18	45	11.9	600	8700	1200	140	37.1	270	3920	221	58.3	170	2470
HS 20	56	14.8	500	7250	1200	140	37.1	280	4060	221	58.3	180	2610
HS 22	68	18.0	400	5800	1200	140	37.1	270	3920	221	58.3	170	2470

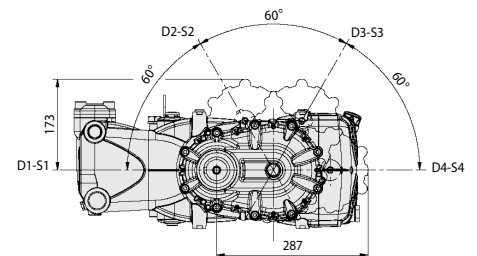
Montaggio standard motori sul lato destro (vedi foto).  
Motor comes standard on the right (see picture).

Filettature motori BSPP  
BSPP porting.



Mod.	Volume		Pressure		Speed	Piston IPH 110 cc.				Piston IPH 130 cc.			
	L/min	Gpm	bar	p.s.i.	r.p.m.	L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
HS 18	45	11.9	600	8700	1200	132	34.9	290	4210	156	41.2	240	3480
HS 20	56	14.8	500	7250	1200	132	34.9	290	4210	156	41.2	250	3630
HS 22	68	18.0	400	5800	1200	132	34.9	280	4060	156	41.2	240	3480

### GEARBOX POSITIONING



**ACCESSORIES VEDI Pag. 62 - SEE pag. 62**

### TUBI ALTA PRESSIONE SPURGO - HIGH PRESSURE SEWER CLEANING HOSES

PILOTFLEX 120			SEWERJET 280		
Ø	Max bar/psi	L (mts)	Ø	Max bar/psi	L (mts)
3/16"	120 - 17500	10 - 15 - 20 - 120	3/8"	280 - 4000	40 - 50 - 60 - 80 - 100
1/4"		10 - 15 - 20 - 120	1/2"		50 - 60 - 80 - 100 - 120
5/16"		10 - 15 - 20 - 120	3/4"		50 - 60 - 80 - 100 - 120
		1"	60 - 80 - 100 - 120 - 150		
			1" 1/4"		60 - 80 - 100 - 120 - 150

# 75HP

# VKH series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	72
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	S.S. / ALU / CER

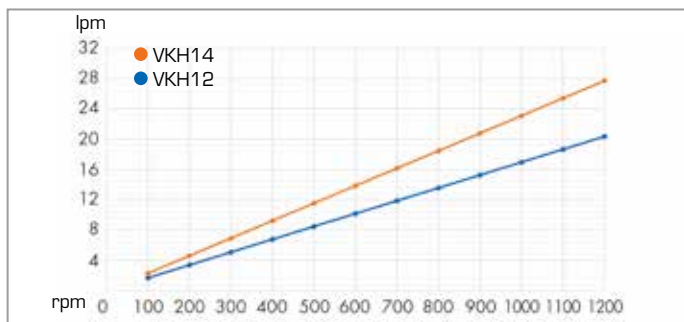
CARTER SIMMETRICO per conversione rapida sporgenza albero dx o sx.  
 SYMMETRICAL POWER END for easy and quick right left side shaft conversion.

## Standard

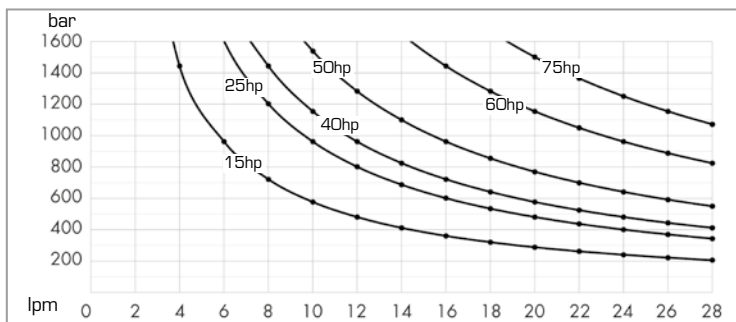
Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:1,25	1:1,5	1:1,83	hp	kW	
VKH 12	20	5.3	1500	150	21750	1500 / 1800 / 2200			75	55,0	82
VKH 14	28	7.4	1100	110	15950	1500 / 1800 / 2200			75	55,0	82

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.

## OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP 1200 rpm  
 Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP 1200 rpm



Flangia supporto per azionamenti diretti 1200 rpm  
 Flange for direct drive mount 1200 rpm

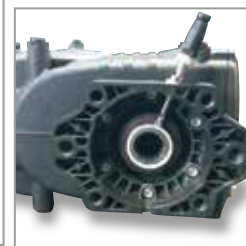


Predisposizione presa di forza ausiliaria opposta albero moto  
 Auxiliary P.T.O. opposite to shaft side



Presa diretta senza ridurre 1200g/min  
 Direct drive without gearbox 1200 r.p.m.

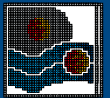
## LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER



Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC



Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC



# HY-PACK HYDRAULIC POWERED PUMPS

Montaggio standard motori sul lato destro (vedi foto).  
*Motor comes standard on the right (see picture).*

Filettature motori BSPP  
*BSPP porting.*



Mod.	Volume		Pressure		Speed	Gear IPH 117 cc.				Gear IPH 184 cc.			
	L/min	Gpm	bar	p.s.i.	r.p.m.	L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
VKH 12	20	5.3	1500	21750	1200	140	37.1	300	4350	221	58.3	190	2760
VKH 14	28	7.4	1100	15950	1200	140	37.1	300	4350	221	58.3	190	2760

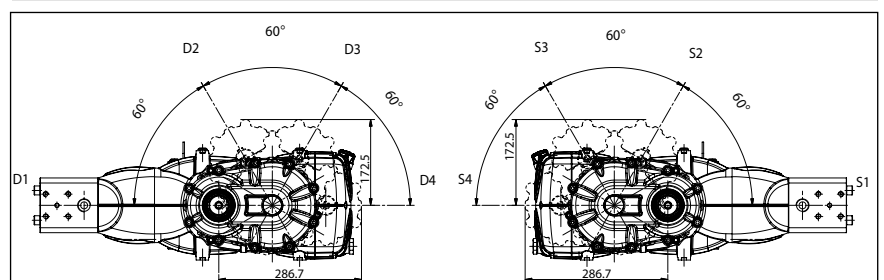
Montaggio standard motori sul lato destro (vedi foto).  
*Motor comes standard on the right (see picture).*

Filettature motori BSPP  
*BSPP porting.*



Mod.	Volume		Pressure		Speed	Piston IPH 110 cc.				Piston IPH 130 cc.			
	L/min	Gpm	bar	p.s.i.	r.p.m.	L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
VKH 12	20	5.3	1500	21750	1200	132	34.9	320	4640	156	41.2	270	3920
VKH 14	28	7.4	1100	15950	1200	132	34.9	320	4640	156	41.2	270	3920

### GEARBOX POSITIONING



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

# 100HP MWLP series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

## Standard

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	73
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	CAST / CAST / CER

CARTER SIMMETRICO per conversione rapida sporgenza albero dx o sx.  
 SYMMETRICAL POWER END for easy and quick right left side shaft conversion.



ATEX  
 II 2GD ck T4/T135°C  
 ON REQUEST

Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.				Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:1,875	1:2,238	1:2,722	1:3,211	hp	kW	
MW 45	267	70.5	155	15,5	2250	1500 / 1800 / 2200 / 2600				108	79	262
MW 50	330	87.2	125	12,5	1820	1500 / 1800 / 2200 / 2600				108	79	262
MW 55	399	105.4	100	10,0	1450	1500 / 1800 / 2200 / 2600				104	76	262

## Run dry - Hi Temp. 85°C

Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.				Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:1,875	1:2,238	1:2,722	1:3,211	hp	kW	
MWR 45	267	70.5	155	15,5	2250	1500 / 1800 / 2200 / 2600				108	79	262
MWR 50	330	87.2	125	12,5	1820	1500 / 1800 / 2200 / 2600				108	79	262
MWR 55	399	105.4	100	10,0	1450	1500 / 1800 / 2200 / 2600				104	76	262

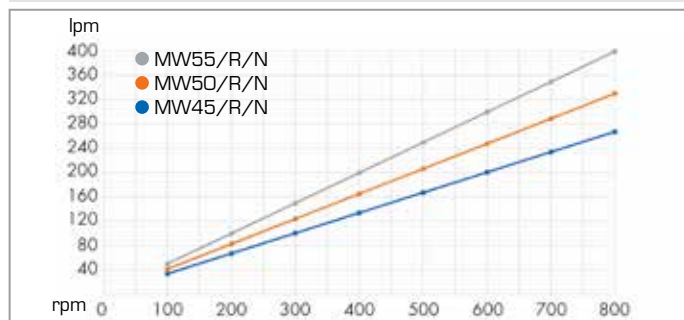
## ASTM F51 s.s.

Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.				Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:1,875	1:2,238	1:2,722	1:3,211	hp	kW	
MWN 45	267	70.5	155	15,5	2250	1500 / 1800 / 2200 / 2600				108	79	262
MWN 50	330	87.2	125	12,5	1820	1500 / 1800 / 2200 / 2600				108	79	262
MWN 55	399	105.4	100	10,0	1450	1500 / 1800 / 2200 / 2600				104	76	262

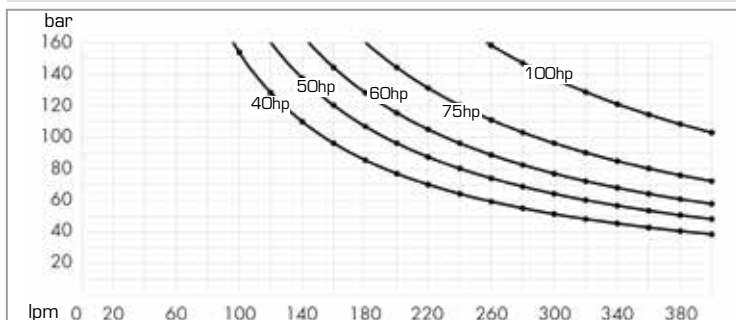
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability



## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.

## OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP 1500-1800-2200 rpm  
 Hydraulic motor mount SAE J744-C spline shaft: 14T 12/24 DP 1500-1800-2200 rpm



Presenza diretta senza riduttore 800g/min  
 Direct drive without gearbox 800 r.p.m.

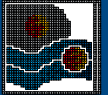


Predisposizione presa di forza ausiliaria opposta albero moto  
 Auxiliary P.T.O. opposite to shaft side

## LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER

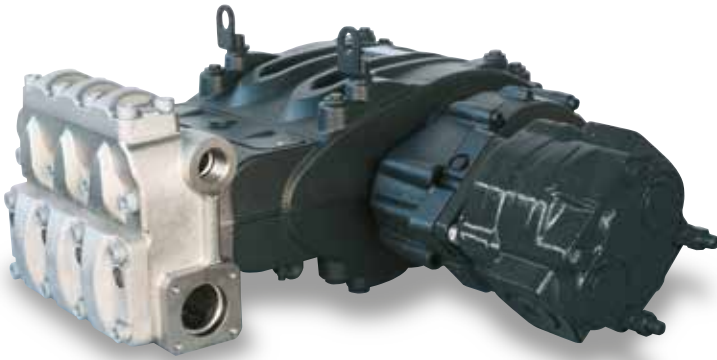


Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC  
 Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC



# HY-PACK

## HYDRAULIC POWERED PUMPS



Montaggio standard motori sul lato destro (vedi foto).  
Motor comes standard on the right (see picture).

Filettature motori BSPP  
BSPP porting.

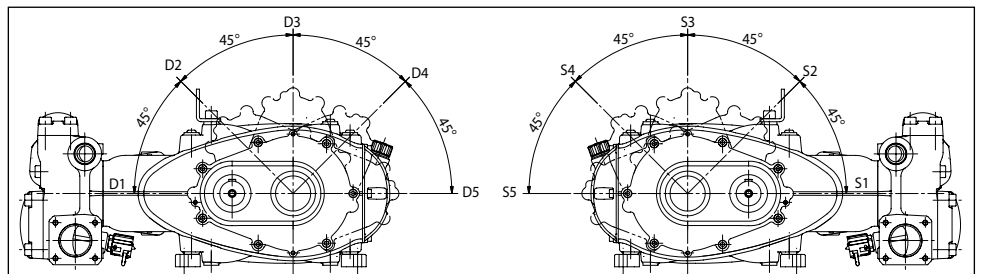
Mod.	Volume		Pressure		Speed r.p.m.	Gear IPH 117 cc.				Gear IPH 184 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
MW 45	267	70.5	155	2250	1800	211	55.6	270	3920	331	87.5	170	2470
					2200	257	68.0	220	3190	405	106.9	140	2030
MW 50	330	87.2	125	1820	1800	211	55.6	270	3920	331	87.5	170	2470
					2200	257	68.0	220	3190	405	106.9	140	2030
MW 55	399	105.4	100	1450	1800	211	55.6	260	3770	331	87.5	170	2470
					2200	257	68.0	220	3190	405	106.9	140	2030

Mod.	Volume		Pressure		Speed r.p.m.	Piston IPH 84 cc.				Piston IPH 110 cc.				Piston IPH 130 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
MW 45	267	70.5	155	2250	1800	151	39.9	380	5510	198	52.3	290	4210	234	61.8	240	3480
					2200	185	48.8	310	4500	242	63.9	240	3480	286	75.6	200	2900
MW 50	330	87.2	125	1820	1800	151	39.9	370	5370	198	52.3	290	4210	234	61.8	240	3480
					2200	185	48.8	310	4500	242	63.9	240	3480	286	75.6	200	2900
MW 55	399	105.4	100	1450	1800	151	39.9	360	5220	198	52.3	280	4060	234	61.8	240	3480
					2200	185	48.8	300	4350	242	63.9	230	3340	286	75.6	190	2760

### GEARBOX POSITIONING



**ACCESSORIES**  
VEDI Pag. 62  
SEE pag. 62

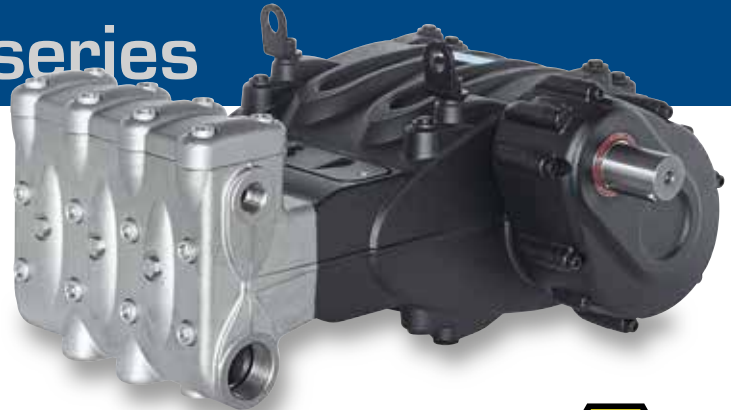


### TUBI ALTA PRESSIONE SPURGO - HIGH PRESSURE SEWER CLEANING HOSES

PILOTFLEX 120			SEWERJET 280		
Ø	Max bar/psi	L (mts)	Ø	Max bar/psi	L (mts)
3/16"	120 - 17500	10 - 15 - 20 - 120	3/8"	280 - 4000	40 - 50 - 60 - 80 - 100
1/4"		10 - 15 - 20 - 120	1/2"		50 - 60 - 80 - 100 - 120
5/16"		10 - 15 - 20 - 120	3/4"		50 - 60 - 80 - 100 - 120
		1"	60 - 80 - 100 - 120 - 150		
			1" 1/4		60 - 80 - 100 - 120 - 150



# 100HP MWHP series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	73
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	CAST / CAST / CER

CARTER SIMMETRICO per conversione rapida sporgenza albero dx o sx.  
 SYMMETRICAL POWER END for easy and quick right left side shaft conversion.



**ATEX**  
 II 2GD ck T4/T135°C  
 ON REQUEST

## Standard

Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.				Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:1,875	1:2,238	1:2,722	1:3,211	hp	kW	
MW 32	135	35.7	300	30	4350	1500	/ 1800	/ 2200	/ 2600	106	78	264
MW 36	171	45.2	240	24	3480	1500	/ 1800	/ 2200	/ 2600	107	79	264
MW 40	211	55.7	210	21	3050	1500	/ 1800	/ 2200	/ 2600	116	85	264

## Run dry - Hi Temp. 85°C

Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.				Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:1,875	1:2,238	1:2,722	1:3,211	hp	kW	
MWR 32	135	35.7	300	30	4350	1500	/ 1800	/ 2200	/ 2600	106	78	264
MWR 36	171	45.2	240	24	3480	1500	/ 1800	/ 2200	/ 2600	107	79	264
MWR 40	211	55.7	210	21	3050	1500	/ 1800	/ 2200	/ 2600	116	85	264

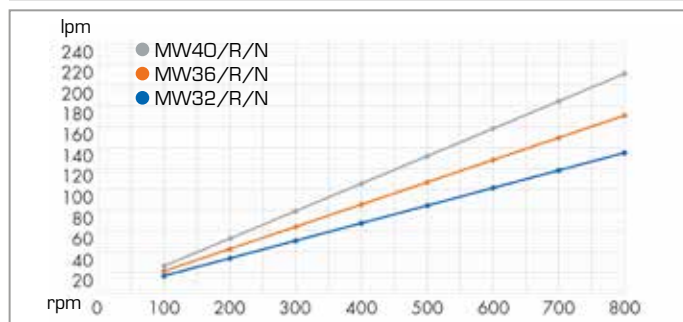
## ASTM F51 s.s.

Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.				Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:1,875	1:2,238	1:2,722	1:3,211	hp	kW	
MWN 32	135	35.7	300	30	4350	1500	/ 1800	/ 2200	/ 2600	106	78	264
MWN 36	171	45.2	240	24	3480	1500	/ 1800	/ 2200	/ 2600	107	79	264
MWN 40	211	55.7	210	21	3050	1500	/ 1800	/ 2200	/ 2600	116	85	264

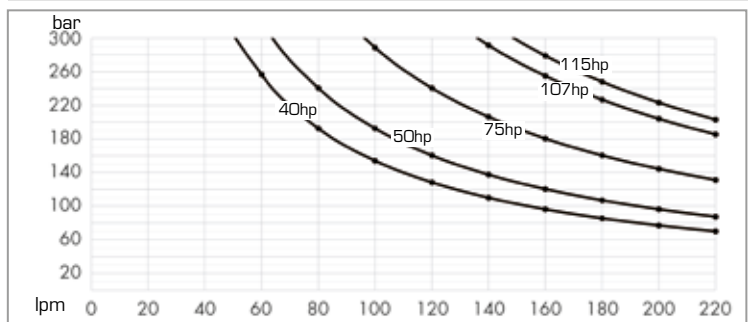
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability



## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.

## OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP 1500-1800-2200 rpm  
 Hydraulic motor mount SAE J744-C spline shaft: 14T 12/24 DP 1500-1800-2200 rpm

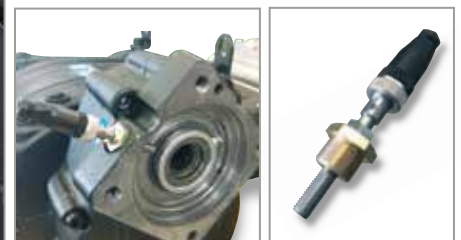


Presenza diretta senza riduttore 800g/min  
 Direct drive without gearbox 800 r.p.m.



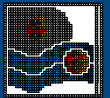
Predisposizione presa di forza ausiliaria opposta albero moto  
 Auxiliary P.T.O. opposite to shaft side

## LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER



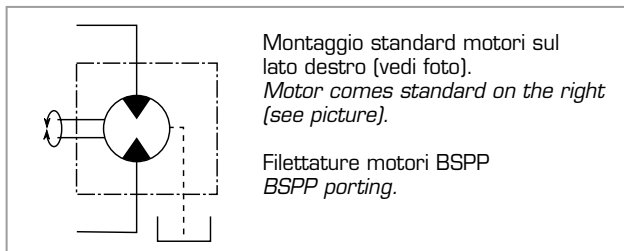
Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC  
 Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC





# HY-PACK

## HYDRAULIC POWERED PUMPS



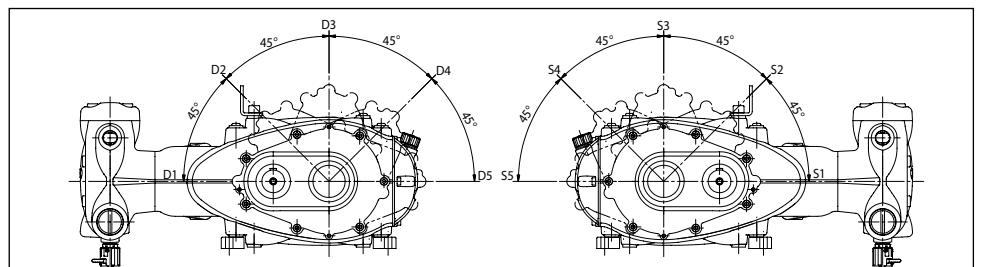
Mod.	Volume		Pressure		Speed r.p.m.	Gear IPH 117 cc.				Gear IPH 184 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
MW 32	135	35.7	300	4350	1800	211	55.6	270	3920	331	87.5	170	2470
					2200	257	68.0	220	3190	405	106.9	140	2030
MW 36	171	45.2	240	3480	1800	211	55.6	270	3920	331	87.5	170	2470
					2200	257	68.0	220	3190	405	106.9	140	2030
MW 40	211	55.7	210	3050	1800	211	55.6	290	4210	331	87.5	190	2760
					2200	257	68.0	240	3480	405	106.9	150	2180

Mod.	Volume		Pressure		Speed r.p.m.	Piston IPH 84 cc.				Piston IPH 110 cc.				Piston IPH 130 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
MW 32	135	35.7	300	4350	1800	151	39.9	370	5370	198	52.3	280	4060	234	61.8	240	3480
					2200	185	48.8	300	4350	242	63.9	230	3340	286	75.6	200	2900
MW 36	171	45.2	240	3480	1800	151	39.9	370	5370	198	52.3	290	4210	234	61.8	240	3480
					2200	185	48.8	310	4500	242	63.9	240	3480	286	75.6	200	2900
MW 40	211	55.7	210	3050	1800	151	39.9	400	5800	198	52.3	310	4500	234	61.8	260	3770
					2200	185	48.8	330	4790	242	63.9	250	3630	286	75.6	220	3190

### GEARBOX POSITIONING



**ACCESSORIES**  
VEDI Pag. 62  
SEE pag. 62



### TUBI ALTA PRESSIONE SPURGO - HIGH PRESSURE SEWER CLEANING HOSES

PILOTFLEX 120			SEWERJET 280		
Ø	Max bar/psi	L (mts)	Ø	Max bar/psi	L (mts)
3/16"	120-17500	10-15-20-120	3/8"	280-4000	40-50-60-80-100
1/4"		10-15-20-120	1/2"		50-60-80-100-120
5/16"		10-15-20-120	3/4"		50-60-80-100-120
		1"	60-80-100-120-150		
			1" 1/4		60-80-100-120-150



# 100HP SMH series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	73
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	S.S. / CAST / CER



ATEX  
II 2GD ck T4/T135°C  
ON REQUEST

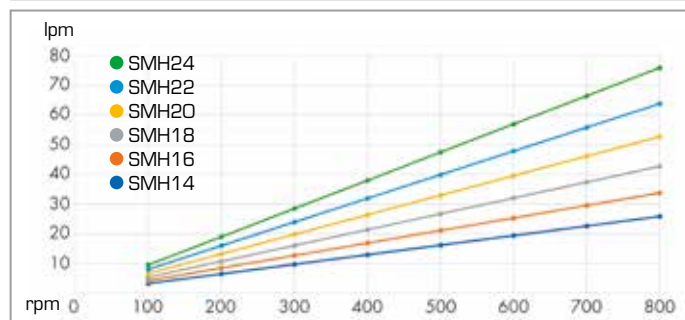
**CARTER SIMMETRICO** per conversione rapida sporgenza albero dx o sx.  
**SYMMETRICAL POWER END** for easy and quick right left side shaft conversion.

## Standard

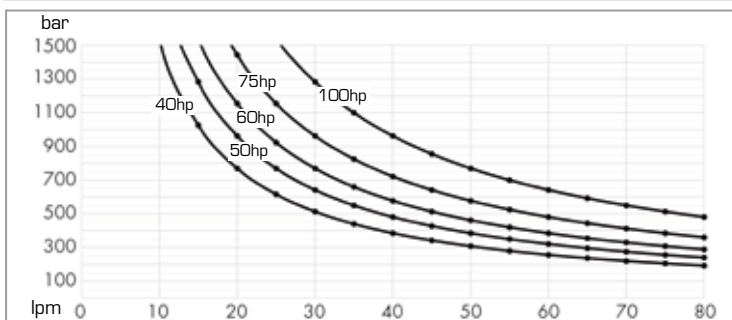
Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.				Potenza Power		Peso Weight
	L/min	US Gpm	bar	MPa	p.s.i.	1:1,875	1:2,238	1:2,722	1:3,211	hp	kW	
SMH 14	26	6.9	1500	150	21750	1500 / 1800 / 2200 / 2600				101	74	265
SMH 16	34	9.0	1200	120	17400	1500 / 1800 / 2200 / 2600				106	78	265
SMH 18	43	11.4	900	90	13050	1500 / 1800 / 2200 / 2600				101	74	265
SMH 20	53	14.0	750	75	10875	1500 / 1800 / 2200 / 2600				103	76	265
SMH 22	64	16.9	600	60	8700	1500 / 1800 / 2200 / 2600				100	74	265
SMH 24	76	20.1	500	50	7250	1500 / 1800 / 2200 / 2600				99	73	265

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

### FLOW GRAPH (crankshaft speed)



### POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.

### OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP 1500-1800-2200 rpm  
 Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP 1500-1800-2200 rpm



Presenza diretta senza riduttore 800g/min  
 Direct drive without gearbox 800 r.p.m.



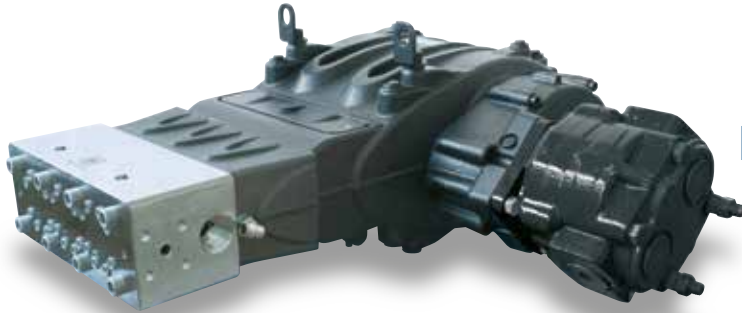
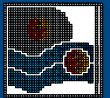
Predisposizione presa di forza ausiliaria opposta albero moto  
 Auxiliary P.T.O. opposite to shaft side

### LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER



Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC

Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC



# HY-PACK

## HYDRAULIC POWERED PUMPS



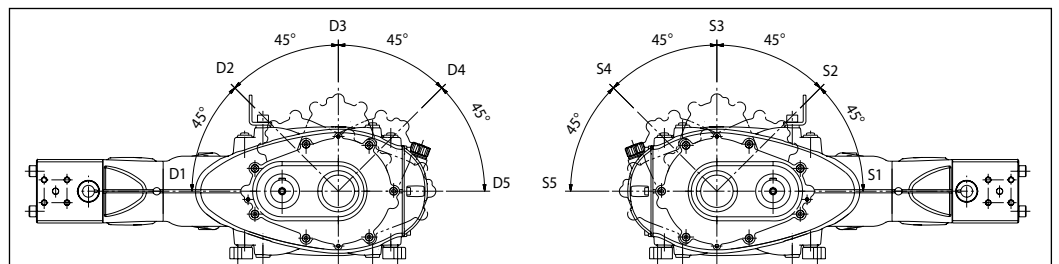
Montaggio standard motori sul lato destro (vedi foto).  
Motor comes standard on the right (see picture).

Filettature motori BSPP  
BSPP porting.

Mod.	Volume		Pressure		Speed r.p.m.	Gear IPH 117 cc.				Gear IPH 184 cc.			
	L/min	Gpm	bar	p.s.i.		Oil volume L/min	Gpm	Oil press bar	p.s.i.	Oil volume L/min	Gpm	Oil press bar	p.s.i.
SMH 14	26	6.9	1500	21750	1800 2200	211	55.6	250	3630	331	87.5	160	2320
						257	68.0	210	3050	405	106.9	140	2030
SMH16	34	9.0	1200	17400	1800 2200	211	55.6	270	3920	331	87.5	170	2470
						257	68.0	220	3190	405	106.9	140	2030
SMH 18	43	11.4	900	13050	1800 2200	211	55.6	250	3630	331	87.5	160	2320
						257	68.0	210	3050	405	106.9	130	1890
SMH 20	53	14.0	750	10875	1800 2200	211	55.6	210	3050	331	87.5	140	2030
						257	68.0	210	3050	405	106.9	140	2030
SMH 22	64	16.9	600	8700	1800 2200	211	55.6	210	3050	331	87.5	130	1890
						257	68.0	210	3050	405	106.9	130	1890
SMH 24	76	20.1	500	7250	1800 2200	211	55.6	210	3050	331	87.5	130	1890
						257	68.0	210	3050	405	106.9	130	1890

Mod.	Volume		Pressure		Speed r.p.m.	Piston IPH 84 cc.				Piston IPH 110 cc.				Piston IPH 130 cc.			
	L/min	Gpm	bar	p.s.i.		Oil volume L/min	Gpm	Oil press bar	p.s.i.	Oil volume L/min	Gpm	Oil press bar	p.s.i.	Oil volume L/min	Gpm	Oil press bar	p.s.i.
SMH 14	26	6.9	1500	21750	1800 2200	151	39.9	350	5880	198	52.3	270	3920	234	61.8	230	3340
						185	48.8	290	4210	242	63.9	220	3190	286	75.6	190	2760
SMH16	34	9.0	1200	17400	1800 2200	151	39.9	370	5370	198	52.3	280	4060	234	61.8	240	3480
						185	48.8	300	4350	242	63.9	230	3340	286	75.6	200	2900
SMH 18	43	11.4	900	13050	1800 2200	151	39.9	350	5880	198	52.3	270	3920	234	61.8	230	3340
						185	48.8	290	4210	242	63.9	220	3190	286	75.6	190	2760
SMH 20	53	14.0	750	10875	1800 2200	151	39.9	300	4350	198	52.3	230	3340	234	61.8	190	2760
						185	48.8	300	4350	242	63.9	230	3340	286	75.6	190	2760
SMH 22	64	16.9	600	8700	1800 2200	151	39.9	290	4210	198	52.3	220	3190	234	61.8	190	2760
						185	48.8	290	4210	242	63.9	220	3190	286	75.6	190	2760
SMH 24	76	20.1	500	7250	1800 2200	151	39.9	280	4060	198	52.3	220	3190	234	61.8	190	2760
						185	48.8	280	4060	242	63.9	220	3190	286	75.6	190	2760

### GEARBOX POSITIONING



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

# 150HP MK2LP series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	74
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	CAST / CAST / CER



## Standard

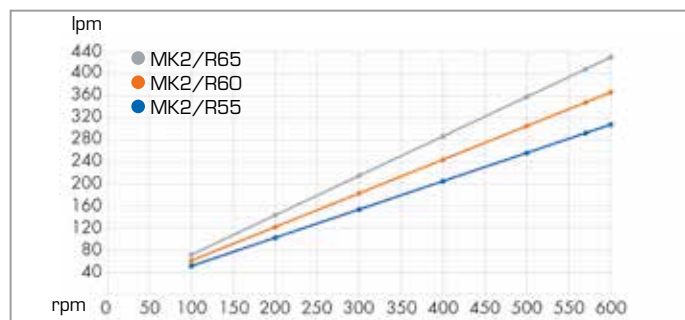
Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.		Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,667	1:3,278	hp	kW	
MK2 55	290	76.6	200	20	2900	1500	/ 1800	151	111	427
MK2 60	346	91.4	170	17	2470	1500	/ 1800	153	112	427
MK2 65	406	107.3	150	15	2180	1500	/ 1800	158	116	427

## Run dry - Hi Temp. 85°C

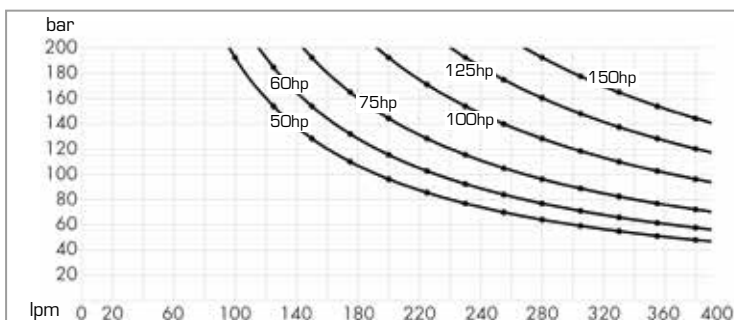
Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.		Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,667	1:3,278	hp	kW	
MK2R 55	290	76.6	200	20	2900	1500	/ 1800	151	111	427
MK2R 60	346	91.4	170	17	2470	1500	/ 1800	153	112	427
MK2R 65	406	107.3	150	15	2180	1500	/ 1800	158	116	427

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.

## OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP 2050 rpm  
 Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP 2050 rpm



Predisposizione per motore idraulico SAE J744-D albero scanalato 13T 30° 8/16 DP 1500 rpm  
 Hydraulic motor mount SAE J744-D spline shaft 13T 30° 8/16 DP 1500 rpm

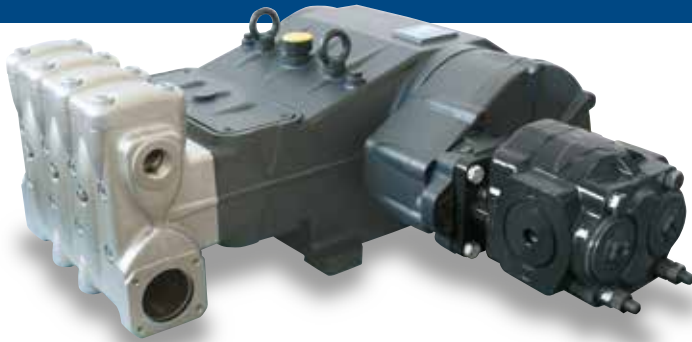
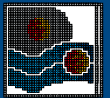
## LETTORE DI GIRI ZRPM1 - ZRPM1 REVOLUTION COUNTER



Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC

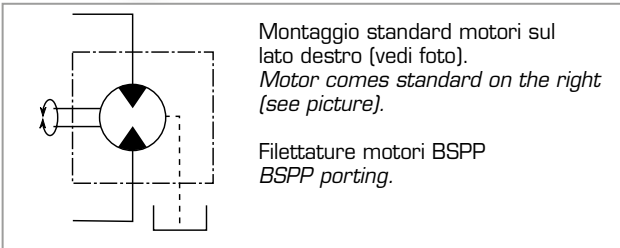


Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC



# HY-PACK

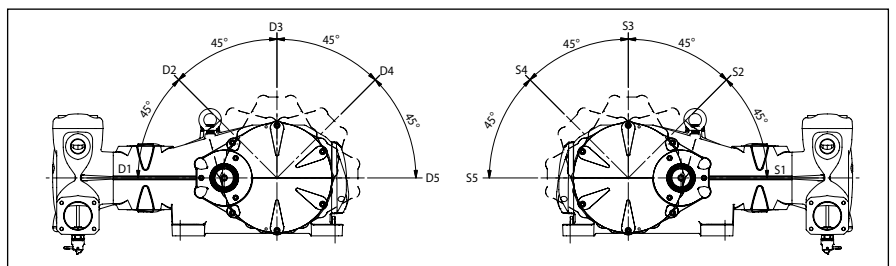
## HYDRAULIC POWERED PUMPS



Mod.	Volume		Pressure		Gearbox r.p.m. 1:3,73	Gear IPH 184 cc.		Oil volume		Oil press	
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.		
MK2 55	290	76.6	200	2900	2050	377	99.7	210	3050		
MK2 60	346	91.4	170	2470	2050	377	99.7	210	3050		
MK2 65	406	107.3	150	2180	2050	377	99.7	220	3190		

Mod.	Volume		Pressure		Gearbox r.p.m. 1:3,73	Piston IPH 110 cc.		Piston IPH 130 cc.		Oil volume		Oil press	
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
MK2 55	290	76.6	200	2900	2050	226	59.6	340	4930	267	70.4	290	4210
MK2 60	346	91.4	170	2470	2050	226	59.6	350	5080	267	70.4	290	4210
MK2 65	406	107.3	150	2180	2050	226	59.6	360	5220	267	70.4	300	4350

### GEARBOX POSITIONING



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

### TUBI ALTA PRESSIONE SPURGO - HIGH PRESSURE SEWER CLEANING HOSES

PILOTFLEX 120			SEWERJET 280		
Ø	Max bar/psi	L (mts)	Ø	Max bar/psi	L (mts)
3/16"	120-17500	10-15-20-120	3/8"	280-4000	40-50-60-80-100
1/4"		10-15-20-120	1/2"		50-60-80-100-120
5/16"		10-15-20-120	3/4"		50-60-80-100-120
		1"	60-80-100-120-150		
			1" 1/4		60-80-100-120-150
					60-80-100-120-150



# 150HP MK2HP series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	74
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	CAST / CAST / CER



## Standard

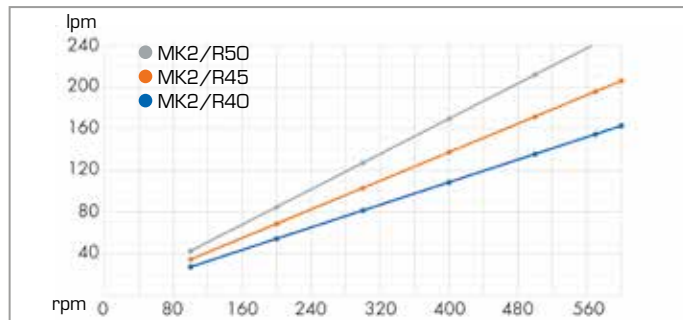
Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.		Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,667	1:3,278	hp	kW	
MK2 40	154	40.5	400	40	5800	1500 / 1800		160	118	409
MK2 45	194	51.3	300	30	4350	1500 / 1800		151	111	409
MK2 50	240	63.4	250	25	3630	1500 / 1800		156	115	409

## Run dry - Hi Temp. 85°C

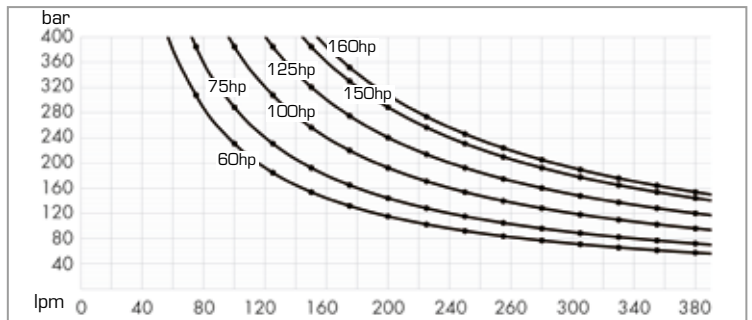
Pompa Pump	Portata Volume		Pressione Pressure			Riduttore r.p.m.		Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,667	1:3,728	hp	kW	
MK2R 40	154	40.5	400	40	5800	1500 / 1800		160	118	409
MK2R 45	194	51.3	300	30	4350	1500 / 1800		151	111	409
MK2R 50	240	63.4	250	25	3630	1500 / 1800		156	115	409

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.

## OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-C albero scanalato  
 14T 12/24 DP 2050 rpm  
 Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP 2050 rpm



Predisposizione per motore idraulico SAE J744-D albero scanalato  
 13T 30° 8/16 DP 1500 rpm  
 Hydraulic motor mount SAE J744-D spline shaft 13T 30° 8/16 DP 1500rpm

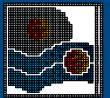
## LETTORE DI GIRI ZRPM1 - ZRPM1 REVOLUTION COUNTER



Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC

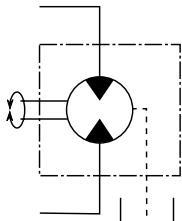


Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC



# HY-PACK

## HYDRAULIC POWERED PUMPS

Montaggio standard motori sul lato destro (vedi foto).  
Motor comes standard on the right (see picture).

Filettature motori BSPP  
BSPP porting.

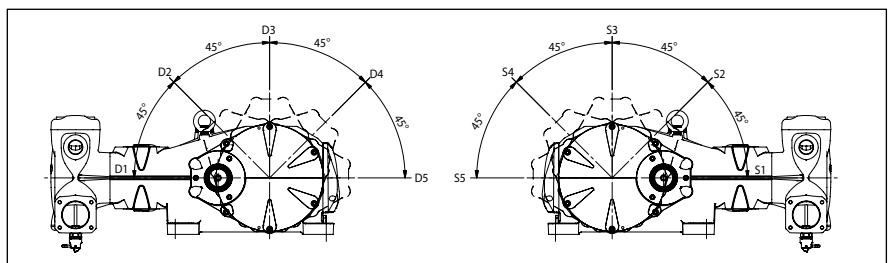
Mod.	Volume		Pressure		Gearbox r.p.m. 1:3,75	Gear 184 cc.		Oil press	
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.
MK2 40	154	40.5	400	5800	2050	377	99.7	220	3190
MK2 45	194	51.3	300	4350	2050	377	99.7	210	3050
MK2 50	240	63.4	250	3630	2050	377	99.7	210	3050

Mod.	Volume		Pressure		Gearbox r.p.m. 1:3,75	Piston 110 cc.		Piston 130 cc.					
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.				
MK2 40	154	40.5	400	5800	2050	226	59.6	360	5220	267	70.4	310	4500
MK2 45	194	51.3	300	4350	2050	226	59.6	340	4930	267	70.4	290	4210
MK2 50	240	63.4	250	3630	2050	226	59.6	350	5080	267	70.4	300	4350




**ACCESSORIES**  
VEDI Pag. 62  
SEE pag. 62

### GEARBOX POSITIONING



### TUBI ALTA PRESSIONE SPURGO - HIGH PRESSURE SEWER CLEANING HOSES

PILOTFLEX 120			SEWERJET 280		
Ø	Max bar / psi	L (mts)	Ø	Max bar / psi	L (mts)
3/16"	120 - 17500	10 - 15 - 20 - 120	3/8"	280 - 4000	40 - 50 - 60 - 80 - 100
1/4"		10 - 15 - 20 - 120	50 - 60 - 80 - 100 - 120		
5/16"		10 - 15 - 20 - 120	50 - 60 - 80 - 100 - 120		
		60 - 80 - 100 - 120 - 150			
			60 - 80 - 100 - 120 - 150		
			1" 1/4"		



# 150HP MF series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	73
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	CAST / CAST / CER

CARTER SIMMETRICO per conversione rapida sporgenza albero dx o sx.  
 SYMMETRICAL POWER END for easy and quick right left side shaft conversion.

## Standard

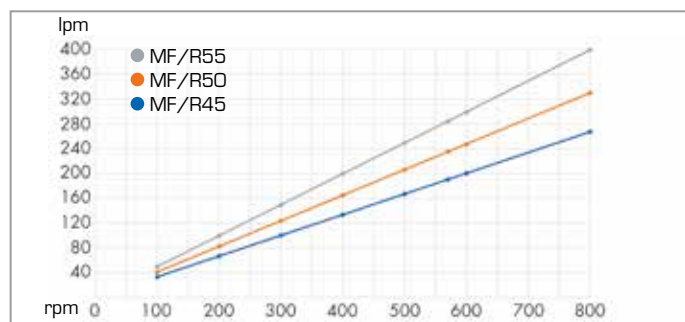
Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.				Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:1,88	1:2,227	1:2,737	1:3,235	hp	kW	
MF 45	268	71	200	20	2900	1500 / 1800 / 2200 / 2600				140	103	287
MF 50	331	87	170	17	2465	1500 / 1800 / 2200 / 2600				147	108	287
MF 55	401	106	140	14	2030	1500 / 1800 / 2200 / 2600				146	108	287

## Run dry - Hi Temp. 85°C

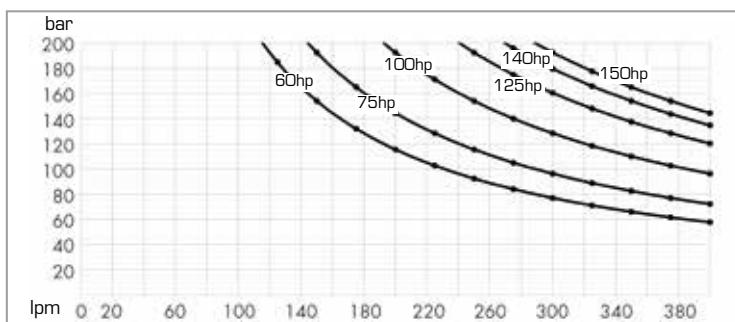
Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.				Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:1,88	1:2,227	1:1,2737	1:1,3235	hp	kW	
MFR 45	268	71	200	20	2900	1500 / 1800 / 2200 / 2600				140	103	287
MFR 50	331	87	170	17	2465	1500 / 1800 / 2200 / 2600				147	108	287
MFR 55	401	106	140	14	2030	1500 / 1800 / 2200 / 2600				146	108	287

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.

## OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-C albero scanalato  
 14T 12/24 DP 1500-1800-2200 rpm  
 Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP 1500-1800-2200 rpm



Presenza diretta senza riduttore 800g/min  
 Direct drive without gearbox 800 r.p.m.



Predisposizione presa di forza ausiliaria opposta albero moto  
 Auxiliary P.T.O. opposite to shaft side

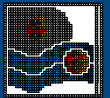
## LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER



Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC

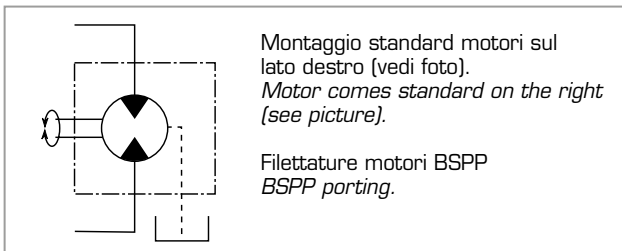
Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC





# HY-PACK

## HYDRAULIC POWERED PUMPS



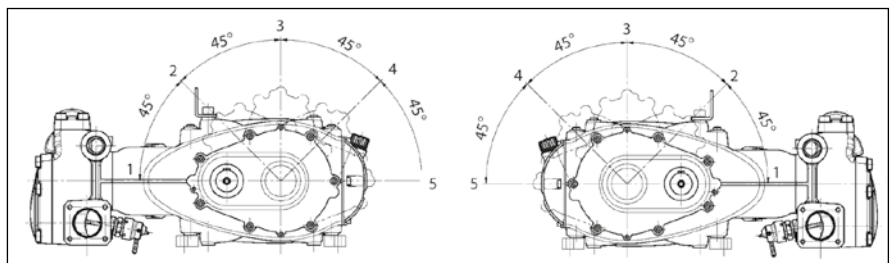
Mod.	Volume		Pressure		Speed r.p.m.	Gear IPH 184 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.
MF 45	268	71	200	2900	1800 2200	331	87.5	220	3190
						405	106.9	180	2610
MF 50	331	87	170	2465	1800 2200	331	87.5	240	3480
						405	106.9	190	2760
MF 55	401	106	140	2030	1800 2200	331	87.5	230	3340
						405	106.9	190	2760

Mod.	Volume		Pressure		Speed r.p.m.	Piston IPH 110 cc.				Piston IPH 130 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.	L/min	Gpm	bar	p.s.i.
MF 45	268	71	200	2900	1800 2200	198	52.3	370	5370	234	61.8	320	4640
						242	63.9	300	4350	286	75.6	260	3770
MF 50	331	87	170	2465	1800 2200	198	52.3	390	5660	234	61.8	330	4790
						242	63.9	320	4640	286	75.6	270	3920
MF 55	401	106	140	2030	1800 2200	198	52.3	390	5660	234	61.8	330	4790
						242	63.9	320	4640	286	75.6	270	3920



**ACCESSORIES**  
VEDI Pag. 62  
SEE pag. 62

### GEARBOX POSITIONING



### TUBI ALTA PRESSIONE SPURGO - HIGH PRESSURE SEWER CLEANING HOSES

PILOTFLEX 120			SEWERJET 280		
Ø	Max bar/psi	L (mts)	Ø	Max bar/psi	L (mts)
3/16"	120 - 17500	10 - 15 - 20 - 120	3/8"	280 - 4000	40 - 50 - 60 - 80 - 100
1/4"		10 - 15 - 20 - 120	1/2"		50 - 60 - 80 - 100 - 120
5/16"		10 - 15 - 20 - 120	3/4"		50 - 60 - 80 - 100 - 120
		1"	60 - 80 - 100 - 120 - 150		
			1" 1/4		60 - 80 - 100 - 120 - 150



# 180HP MK2SLP series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	74
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	CAST / CAST / CER



## Standard

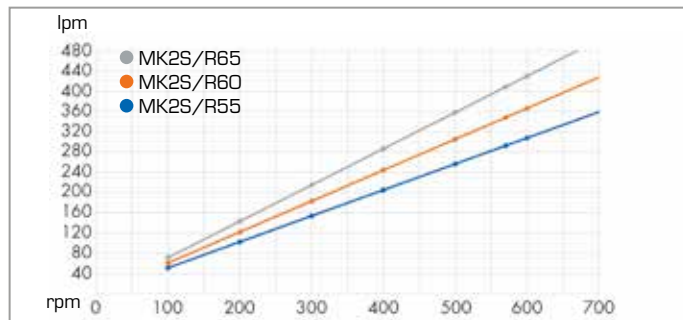
Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,2	1:2,667	1:3,278	hp	kW	
MK2S 55	346	91.6	200	20	2900	1500 / 1800 / 2200			180	132,5	427
MK2S 60	412	108.8	170	17	2470	1500 / 1800 / 2200			182	134,0	427
MK2S 65	484	127.9	150	15	2180	1500 / 1800 / 2200			188	139,0	427

## Run dry - Hi Temp. 85°C

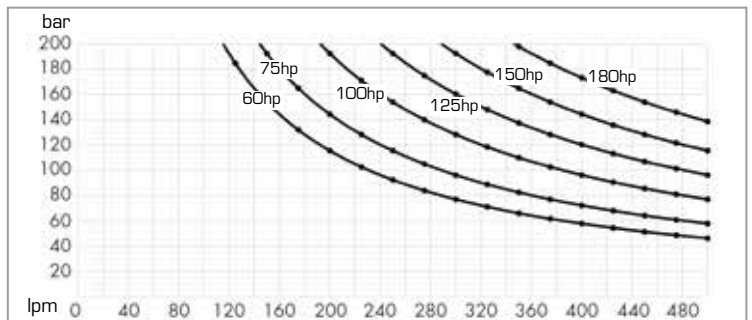
Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,2	1:2,667	1:3,278	hp	kW	
MK2SR 55	346	91.6	200	20	2900	1500 / 1800 / 2200			180	132,5	427
MK2SR 60	412	108.8	170	17	2470	1500 / 1800 / 2200			182	134,0	427
MK2SR 65	484	127.9	150	15	2180	1500 / 1800 / 2200			189	139,0	427

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.

## OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP 2500 rpm  
 Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP 2500 rpm



Predisposizione per motore idraulico SAE J744-D albero scanalato 13T 30° 8/16 DP 1800 rpm  
 Hydraulic motor mount SAE J744-D spline shaft 13T 30° 8/16 DP 1800 rpm

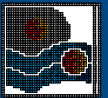
## LETTORI DI GIRI ZRPM1 - ZRPM1 REVOLUTION COUNTER



Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC

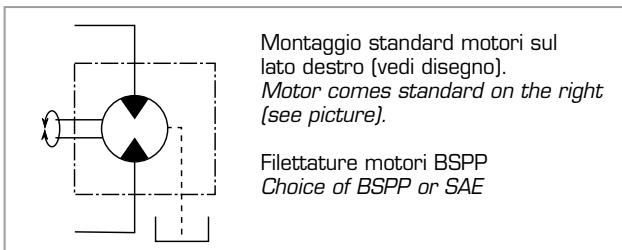


Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC



# HY-PACK

## HYDRAULIC POWERED PUMPS



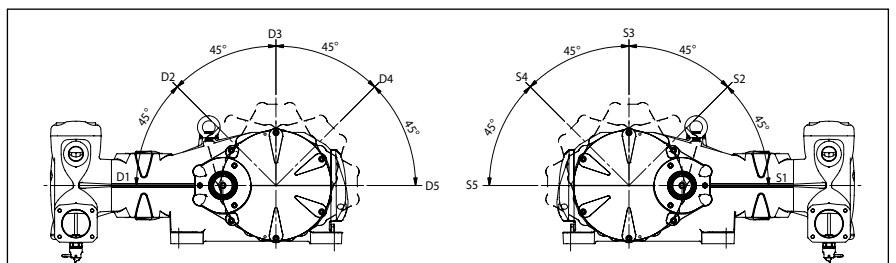
### Gear IPH 184 cc.

Mod.	Volume		Pressure		Gearbox r.p.m. 1:3,75	Oil volume		Oil press	
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.
MK2S 55	346	91.6	200	2900	2500	460	121.5	210	3050
MK2S 60	412	108.8	170	2470	2500	460	121.5	210	3050
MK2S 65	484	127.9	150	2180	2500	460	121.5	220	3190

### Piston IPH 130 cc.

Mod.	Volume		Pressure		Gearbox r.p.m. 1:3,75	Oil volume		Oil press	
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.
MK2S 55	346	91.6	200	2900	2500	325	85.9	290	4210
MK2S 60	412	108.8	170	2470	2500	325	85.9	290	4210
MK2S 65	484	127.9	150	2180	2500	325	85.9	300	4350

### GEARBOX POSITIONING



**ACCESSORIES**  
VEDI Pag. 62  
SEE pag. 62

### TUBI ALTA PRESSIONE SPURGO - HIGH PRESSURE SEWER CLEANING HOSES

PILOTFLEX 120			SEWERJET 280		
Ø	Max bar/psi	L (mts)	Ø	Max bar/psi	L (mts)
3/16"	120 - 17500	10 - 15 - 20 - 120	3/8"	280 - 4000	40 - 50 - 60 - 80 - 100
1/4"		10 - 15 - 20 - 120	50 - 60 - 80 - 100 - 120		
5/16"		10 - 15 - 20 - 120	50 - 60 - 80 - 100 - 120		
			60 - 80 - 100 - 120 - 150		
			60 - 80 - 100 - 120 - 150		
			1" 1/4"		



# 180HP MK2SHP series



Scheda tecnica,  
esplosi, manuali  
uso e manuten-  
zione

Data sheet,  
exploded view,  
repair & mainte-  
nance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	74
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	CAST / CAST / CER



## Standard

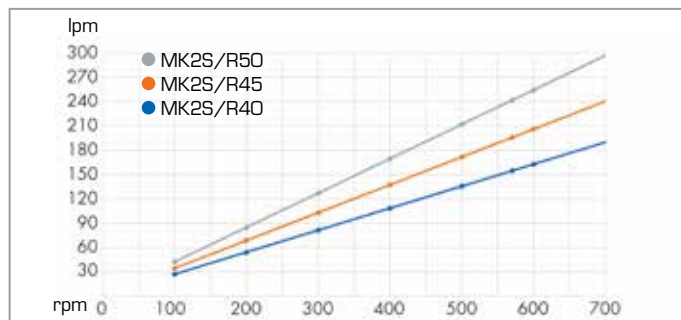
Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,2	1:2,667	1:3,278	hp	kW	
MK2S 40	183	48.4	400	40	5800	1500 / 1800 / 2200			190	140	409
MK2S 45	232	61.2	300	30	4350	1500 / 1800 / 2200			181	133	409
MK2S 50	286	75.6	250	25	3630	1500 / 1800 / 2200			186	137	409

## Run dry - Hi Temp. 85°C

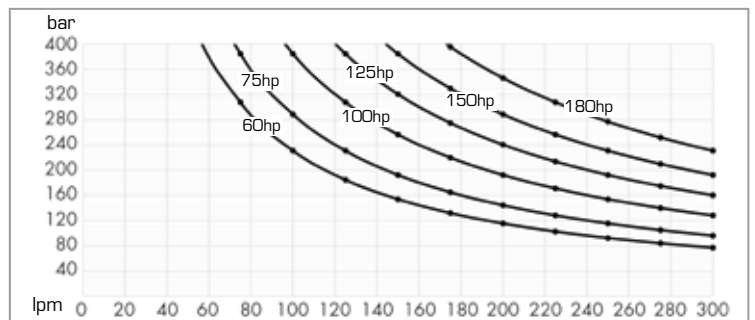
Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,2	1:2,667	1:3,278	hp	kW	
MK2SR 40	183	48.4	400	40	5800	1500 / 1800 / 2200			190	140	409
MK2SR 45	232	61.2	300	30	4350	1500 / 1800 / 2200			181	133	409
MK2SR 50	286	75.6	250	25	3630	1500 / 1800 / 2200			186	137	409

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.

## OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico  
SAE J744-C albero scanalato  
14T 12/24 DP 2500 rpm  
Hydraulic motor mount SAE J744-C  
splined shaft 14T 12/24 DP  
2500 rpm



Predisposizione per motore idraulico  
SAE J744-D albero scanalato  
13T 30° 8/16 DP 1800 rpm  
Hydraulic motor mount SAE J744-D  
splined shaft 13T 30° 8/16 DP  
1800 rpm

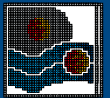
## LETTORE DI GIRI ZRPM1 - ZRPM1 REVOLUTION COUNTER



Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC

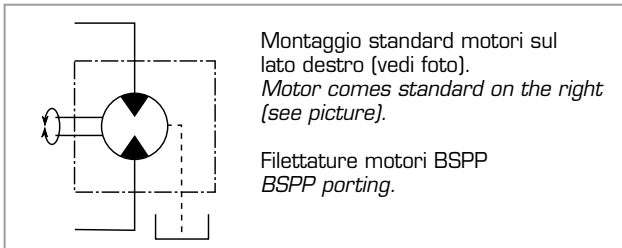


Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC



# HY-PACK

## HYDRAULIC POWERED PUMPS



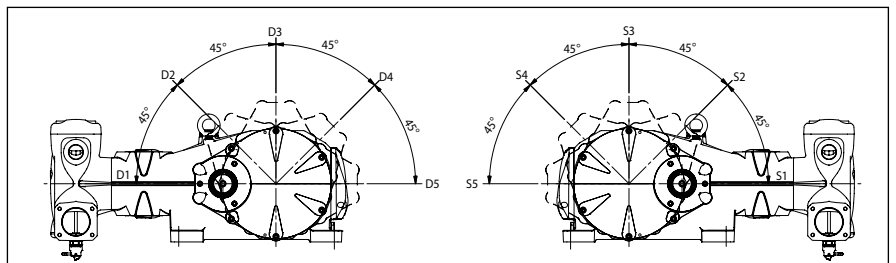
Mod.	Volume		Pressure		Gearbox r.p.m. 1:3,73	Gear IPH 184 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.
MK2S 40	183	48.4	400	5800	2500	460	121.5	220	3190
MK2S 45	232	61.2	300	4350	2500	460	121.5	210	3050
M2KS 50	286	75.6	250	3630	2500	460	121.5	210	3050

Mod.	Volume		Pressure		Gearbox r.p.m. 1:3,73	Piston IPH 130 cc.			
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.
MK2S 40	183	48.4	400	5800	2500	325	85.9	310	4500
MK2S 45	232	61.2	300	4350	2500	325	85.9	290	4210
MK2S 50	286	75.6	250	3630	2500	325	85.9	300	4350



**ACCESSORIES**  
VEDI Pag. 62  
SEE pag. 62

### GEARBOX POSITIONING



### TUBI ALTA PRESSIONE SPURGO - HIGH PRESSURE SEWER CLEANING HOSES

PILOTFLEX 120			SEWERJET 280		
Ø	Max bar/psi	L (mts)	Ø	Max bar/psi	L (mts)
3/16"	120 - 17500	10 - 15 - 20 - 120	3/8"	280 - 4000	40 - 50 - 60 - 80 - 100
1/4"		10 - 15 - 20 - 120	1/2"		50 - 60 - 80 - 100 - 120
5/16"		10 - 15 - 20 - 120	3/4"		50 - 60 - 80 - 100 - 120
		1"	60 - 80 - 100 - 120 - 150		
			1" 1/4		60 - 80 - 100 - 120 - 150





# 180 SKH series



Scheda tecnica,  
esplosi, manuali  
uso e manuten-  
zione

Data sheet,  
exploded view,  
repair & mainte-  
nance manuals

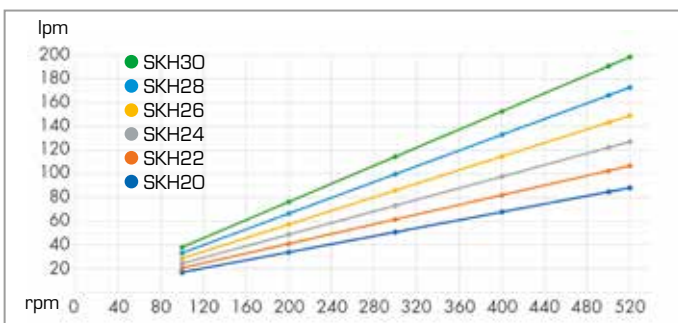
COSTRUZIONE / CONSTRUCTION	
POWER FRAME	78
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	S.S. / CAST / CER

## Standard

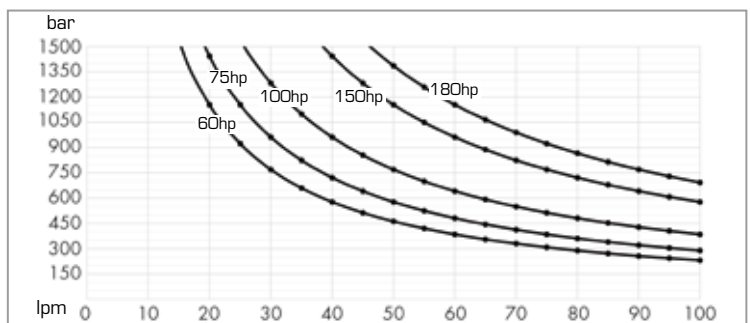
Pompa Pump	Portata / Volume - Riduttore / Gearbox				Pressione Pressure			Potenza Power		Peso Weight
	1500 r.p.m. 1:2,95		1750 r.p.m. 1:3,158		bar	MPa	p.s.i.	hp	kW	
	L/min	US Gpm	L/min	US Gpm						
SKH 20	43	11.4	44	11.6	1500	150	21750	168	123	398
SKH 22	52	13.7	53	14.0	1300	130	18850	176	129	398
SKH 24	62	16.4	63	16.6	1100	110	15950	177	130	398
SKH 26	73	19.3	74	19.6	900	90	13050	171	126	393
SKH 28	84	22.3	86	22.7	800	80	11600	175	128	393
SKH 30	96	25.4	98	25.9	700	70	10150	175	128	393

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

# 300HP SRLP series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals



ATEX  
II 2GD ck T4/T135°C  
ON REQUEST



COSTRUZIONE / CONSTRUCTION	
POWER FRAME	65
CONFIGURATION	TRIPLEX HOR - VERT
MATERIAL STANDARD	S.S. / CAST / CER

## Standard

Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,90	1:3,46	1:4,23	hp	kW	
SR 50	276	73	400	40	5800	1500 / 1800 / 2200			287	211	1290
SR 55	333	88	350	35	5075	1500 / 1800 / 2200			303	223	1290
SR 60	397	105	300	30	4350	1500 / 1800 / 2200			309	227	1290
SR 65	466	123	250	25	3625	1500 / 1800 / 2200			302	222	1290
SR 70	540	143	220	22	3190	1500 / 1800 / 2200			309	227	1290
SR 75	620	164	200	20	2900	1500 / 1800 / 2200			322	237	1290

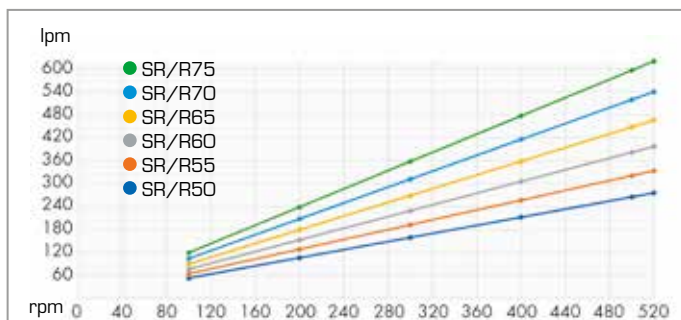
## Run dry - Hi Temp. 85°C

Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,90	1:3,46	1:4,23	hp	kW	
SRR 50	276	73	400	40	5800	1500 / 1800 / 2200			287	211	1290
SRR 55	333	88	350	35	5075	1500 / 1800 / 2200			303	223	1290
SRR 60	397	105	300	30	4350	1500 / 1800 / 2200			309	227	1290
SRR 65	466	123	250	25	3625	1500 / 1800 / 2200			302	222	1290
SRR 70	540	143	220	22	3190	1500 / 1800 / 2200			309	227	1290
SRR 75	620	164	200	20	2900	1500 / 1800 / 2200			322	237	1290

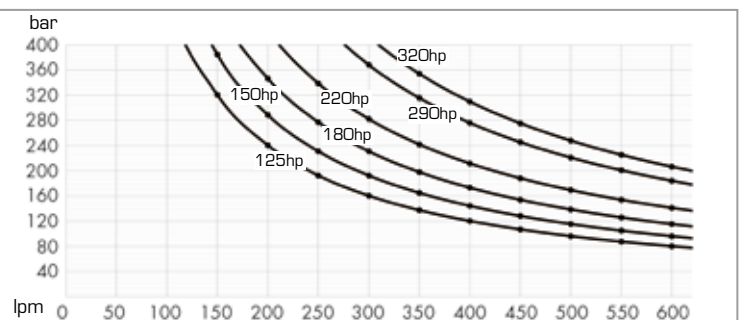
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability



## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



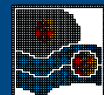
Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.



ACCESSORIES VEDI Pag. 62 - SEE pag. 62



# 300HP SRHP series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals



COSTRUZIONE / CONSTRUCTION	
POWER FRAME	65
CONFIGURATION	TRIPLEX HOR - VERT
MATERIAL STANDARD	S.S. / CAST / CER



ATEX  
II 2GD ck T4/T135°C  
ON REQUEST

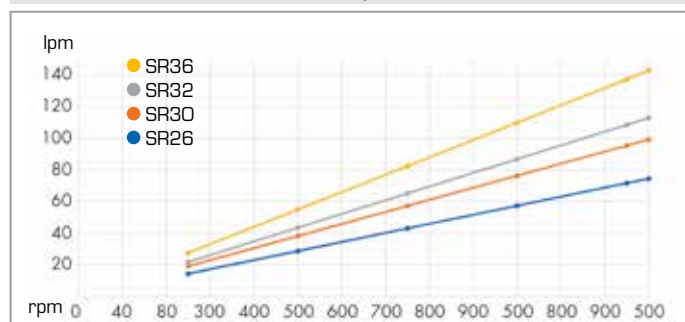


## Standard

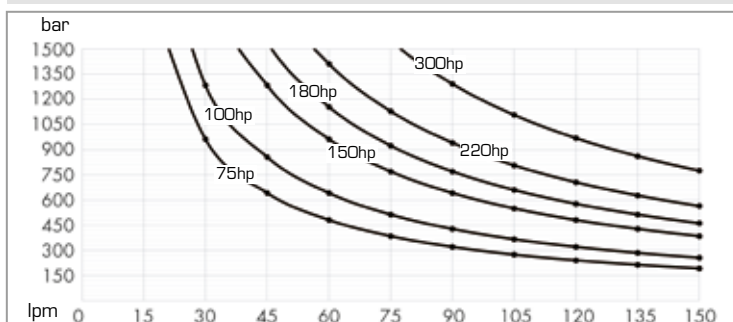
Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,90	1:3,46	1:4,23	hp	kW	
SR 26	75	19.9	1500	150	21750	1500 / 1800 / 2200			290	213	1211
SR 30	99	26.5	1200	120	17400	1500 / 1800 / 2200			309	227	1211
SR 32	113	29.8	1000	100	14500	1500 / 1800 / 2200			293	215	1211
SR 36	143	37.8	800	80	11600	1500 / 1800 / 2200			297	218	1211

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

# 450HP

# TRLP series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals



**ATEX**  
II 2GD ck T4/T135°C  
ON REQUEST



COSTRUZIONE / CONSTRUCTION	
POWER FRAME	65
CONFIGURATION	TRIPLEX HOR - VERT
MATERIAL STANDARD	S.S. / CAST / CER

### Standard

Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,90	1:3,46	1:4,23	hp	kW	
TR 50	398	105	400	40	5800	1500 / 1800 / 2200			414	304	1312
TR 55	482	127	350	35	5075	1500 / 1800 / 2200			438	322	1312
TR 60	573	151	300	30	4350	1500 / 1800 / 2200			446	328	1312
TR 65	673	178	250	25	3625	1500 / 1800 / 2200			437	321	1312
TR 70	781	206	220	22	3190	1500 / 1800 / 2200			446	328	1312
TR 75	896	237	200	20	2900	1500 / 1800 / 2200			465	342	1312

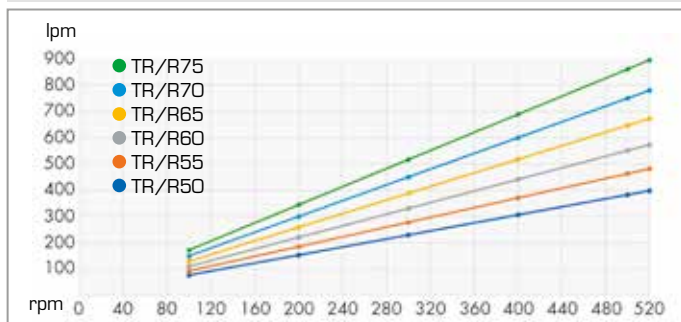
### Run dry - Hi Temp. 85°C

Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,90	1:3,46	1:4,23	hp	kW	
TRR 50	398	105	400	40	5800	1500 / 1800 / 2200			414	304	1312
TRR 55	482	127	350	35	5075	1500 / 1800 / 2200			438	322	1312
TRR 60	573	151	300	30	4350	1500 / 1800 / 2200			446	328	1312
TRR 65	673	178	250	25	3625	1500 / 1800 / 2200			437	321	1312
TRR 70	781	206	220	22	3190	1500 / 1800 / 2200			446	328	1312
TRR 75	896	237	200	20	2900	1500 / 1800 / 2200			465	342	1312

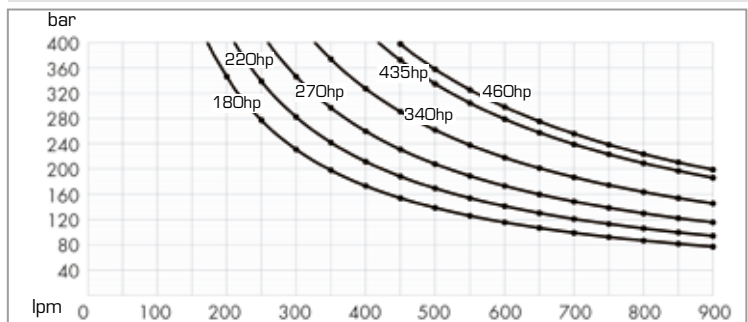
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability



### FLOW GRAPH (crankshaft speed)



### POWER GRAPH

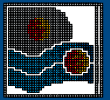


Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

# 450 TRHP series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals



COSTRUZIONE / CONSTRUCTION	
POWER FRAME	65
CONFIGURATION	TRIPLEX HOR - VERT
MATERIAL STANDARD	S.S. / CAST / CER



ATEX  
II 2GD ck T4/T135°C  
ON REQUEST

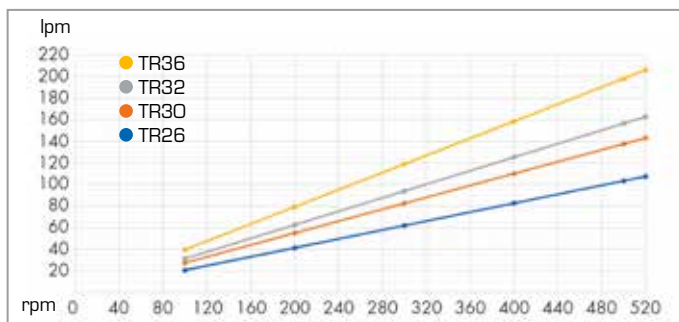
## Standard

Pompa Pump	Portata Volume		Pressione Pressure			Gearbox r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,90	1:3,46	1:4,23	hp	kW	
TR 26	108	28.5	1500	150	21750	1500 / 1800 / 2200			421	309	1241
TR 30	143	37.8	1200	120	17400	1500 / 1800 / 2200			446	328	1241
TR 32	163	43.0	1000	100	14500	1500 / 1800 / 2200			423	311	1241
TR 36	206	54.4	800	80	11600	1500 / 1800 / 2200			428	315	1241

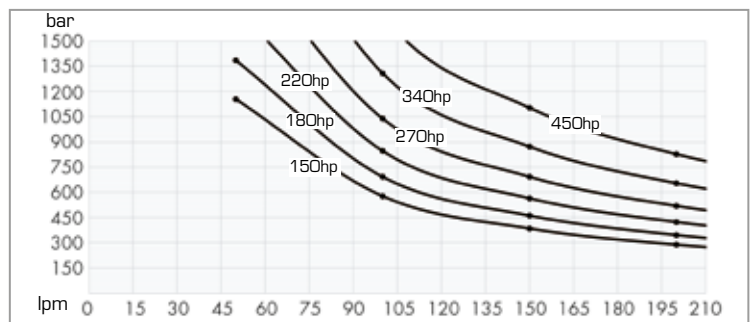
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability



## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

# 700HP VR series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals



ATEX  
II 2GD ck T4/T135°C  
ON REQUEST

## COSTRUZIONE / CONSTRUCTION

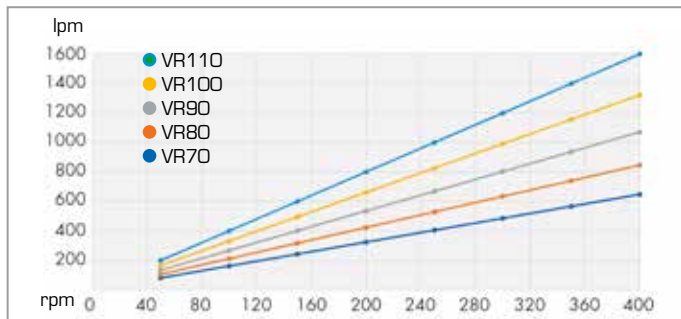
POWER FRAME	84
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	S.S. / CAST / CER

## Standard

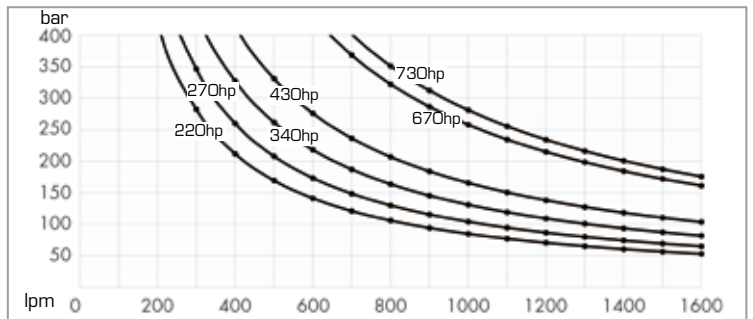
Tipo pompa Pump type	Portata Volume		Pressione Pressure			Gearbox r.p.m.		Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:3,739	1:4,5	hp	kW	
VR 70	648	171	400	40	5800	1500	/ 1800	673	495	2702
VR 80	847	224	320	32	4640	1500	/ 1800	704	517	2702
VR 90	1071	283	260	26	3770	1500	/ 1800	724	532	2702
VR 100	1323	349	210	21	3045	1500	/ 1800	721	530	2702
VR 110	1600	423	170	17	2465	1500	/ 1800	707	520	2702

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

## FLOW GRAPH (crankshaft speed)



## POWER GRAPH

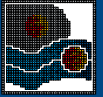


Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

# 1200 ZR series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	84
CONFIGURATION	QUINTUPLEX HOR
MATERIAL STANDARD	S.S. / CAST / CER



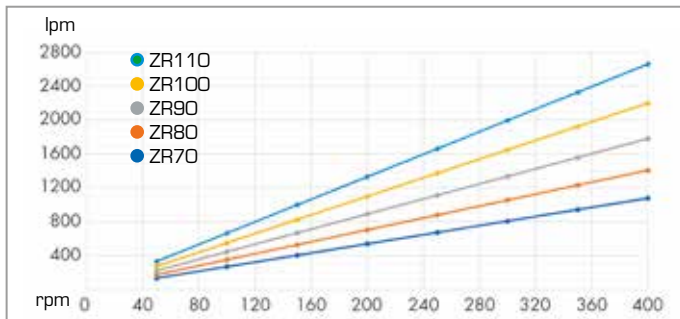
ATEX  
II 2GD ck T4/T135°C  
ON REQUEST

## Standard

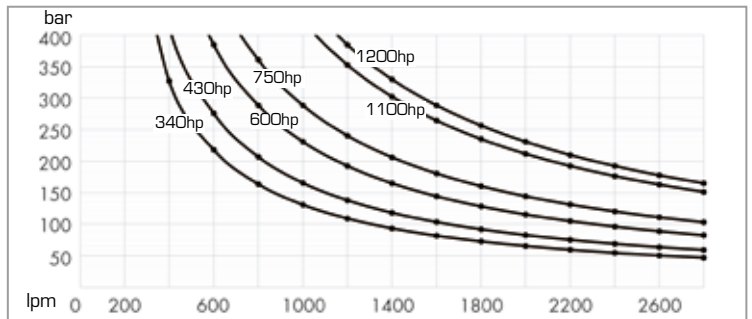
Tipo pompa Pump type	Portata Volume		Pressione Pressure			Gearbox r.p.m.		Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:3,739	1:4,5	hp	kW	
ZR 70	1078	284	400	40	5800	1500	/ 1800	1122	825	3831
ZR 80	1408	371	320	32	4640	1500	/ 1800	1173	862	3831
ZR 90	1782	470	260	26	3770	1500	/ 1800	1206	887	3831
ZR 100	2200	581	210	21	3045	1500	/ 1800	1202	884	3831
ZR 110	2662	703	170	17	2465	1500	/ 1800	1178	866	3831

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

## FLOW GRAPH (crankshaft speed)



## POWER GRAPH



Dati indicativi non vincolanti soggetti a modifica senza preavviso / Datas are indicative not binding subject to change without notice.



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

# Piston Pump series

## M LINE

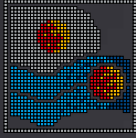
Una gamma di pompe volumetriche alternative a pistoni orizzontali, realizzate per iniezioni di fanghi da perforazione e cementizi, impasti, miscele semi-liquide nell'industria mineraria, edile, chimica e petrolchimica.

Grazie ad un lungo ed intenso programma di sviluppo questa nuova gamma garantisce una notevole resistenza all'abrasione, grande facilità e rapidità di manutenzione e notevoli capacità autoadescanti.

*Pratissoli proudly celebrate the birth of a new line of positive displacement triplex piston pumps designed to handle drilling fluids, muds, slurries, dense mixture for a variety of applications in the mining, chemical, oil & gas industries. This new pump line combines years of field testing with the latest in technological advances, proving outstanding abrasion resistance, easy maintenance and selfpriming capabilities.*



**INTERPUMP  
GROUP**



**Pratissoli**



# 10HP KT45M series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	70
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	CAST / ALU / KVL



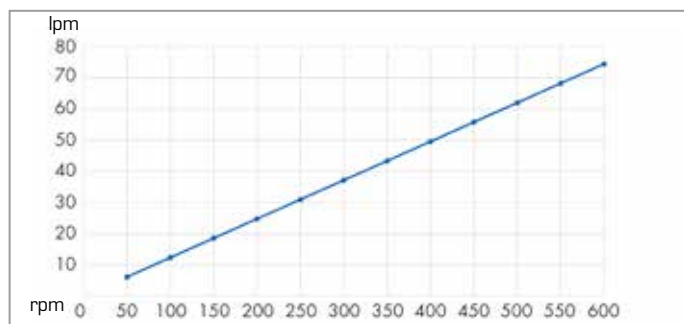
CARTER SIMMETRICO per conversione rapida sporgenza albero dx o sx.  
 SYMMETRICAL POWER END for easy and quick right left side shaft conversion.

## Mud version

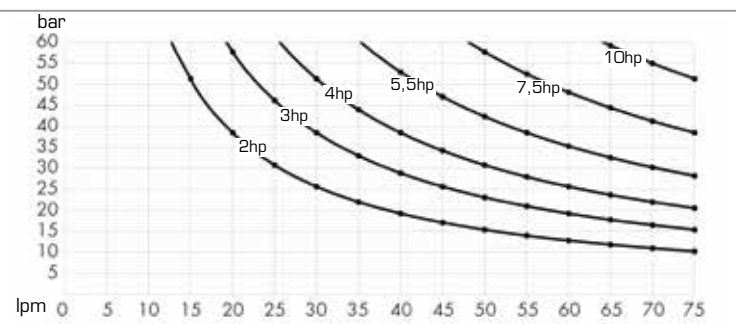
Pompa Pump	Valvole Valves	Cilindri Sleeves	g/min r.p.m.	Portata Volume		Pressione Pressure			Potenza Power		Peso Weight
				L/min	US Gpm	bar	MPa	p.s.i.	hp	kW	
KT45M	Sfera/Ball	Ceramic	600	74	19.6	50	5	750	9,6	7,1	41

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

## FLOW GRAPH (crankshaft speed)

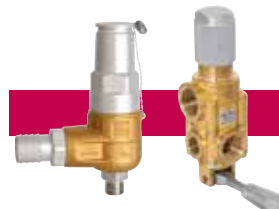


## POWER GRAPH



## HY-PACK HYDRAULIC POWERED PUMPS

Mod.	Volume		Pressure		Speed r.p.m.	Orbital 100 cc.		Oil press	
	L/min	Gpm	bar	p.s.i.		L/min	Gpm	bar	p.s.i.
KT45M	74	19.5	50	730	600	60	15.9	90	1310



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

## OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-B albero scanalato 13T 16/32 DP  
 Hydraulic motor mount SAE J744-B spline shaft: 13T 16/32 DP

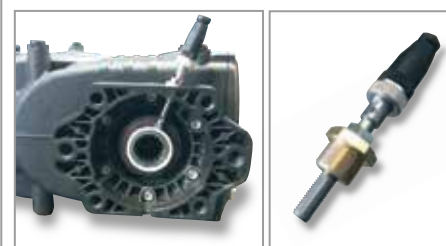


Flangia supporto per azionamenti diretti  
 Flange for direct drive mount



Predisposizione presa di forza ausiliaria opposta albero moto  
 Auxiliary P.T.O. opposite to shaft side

## LETTORE DI GIRI ZRPM1 ZRPM1 REVOLUTION COUNTER



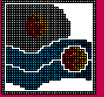
Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC  
 Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC







# 80 MK29M series



Scheda tecnica, esplosi, manuali uso e manutenzione

Data sheet, exploded view, repair & maintenance manuals

COSTRUZIONE / CONSTRUCTION	
POWER FRAME	74
CONFIGURATION	TRIPLEX HOR
MATERIAL STANDARD	CAST / CAST / KVL



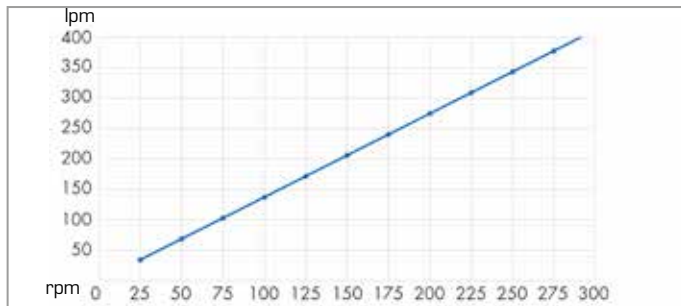
CARTER SIMMETRICO per conversione rapida sporgenza albero dx o sx.  
 SYMMETRICAL POWER END for easy and quick right left side shaft conversion.

## Mud version

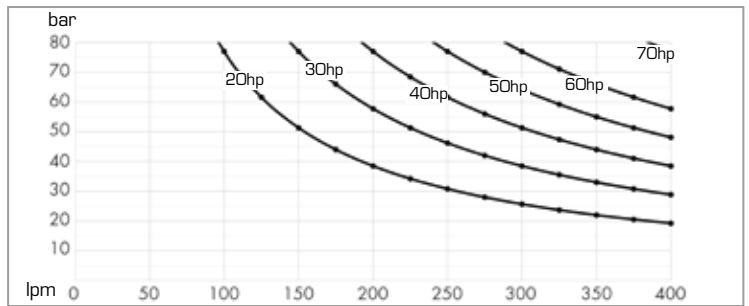
Pompa Pump	Valvole Valves	Cilindri Sleeves	Riduttore r.p.m.				Portata Volume		Pressione Pressure			Potenza Power		Peso Weight kg
			1:1,61	1:2,22	1:2,667	1:3,278	L/min	US Gpm	bar	MPa	p.s.i.	hp	kW	
MK29M 5B	Sfera/Ball	Ceramic	470 / 650 / 770 / 950				397	105	50	5,0	750	51,6	37,9	447
MK29M 5D	Piattello/disc	Ceramic	470 / 650 / 770 / 950				397	105	50	5,0	750	51,6	37,9	447
MK29M 8B	Sfera/Ball	Acciaio/Steel	470 / 650 / 770 / 950				397	105	80	8,0	1090	82,5	60,7	447
MK29M 8D	Piattello/disc	Acciaio/Steel	470 / 650 / 770 / 950				397	105	80	8,0	1090	82,5	60,7	447

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency  
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

### FLOW GRAPH (crankshaft speed)

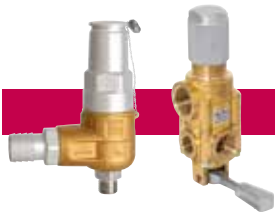


### POWER GRAPH



## HY-PACK HYDRAULIC POWERED PUMPS

Mod.	Volume L/min Gpm	Pressure bar p.s.i.	Speed r.p.m.	Gear ratio	Orbital 100 cc.			
					Oil volume L/min Gpm	Oil press bar p.s.i.		
MK29M	399 105.4	35 510	770	2,667	77 20.3	240 3480		



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

### OPZIONI TRASMISSIONI - DRIVE OPTIONS



Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP  
 Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP



Predisposizione per motore idraulico SAE J744-D albero scanalato 13T 30° 8/16 DP  
 Hydraulic motor mount SAE J744-D spline shaft 13T 30° 8/16 DP

### LETTORE DI GIRI ZRPM1 - ZRPM1 REVOLUTION COUNTER



Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1 - Alimentazione 12/24 VDC

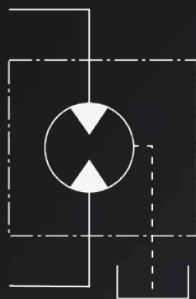


Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1 - Power supply 12/24 VDC

# HY-PACK

Una selezione di unità idrauliche INTERPUMP per le applicazioni mobili piu' compatte.

*A selection of hydraulic packages incorporating INTERPUMP pumps for the most compact mobile applications.*

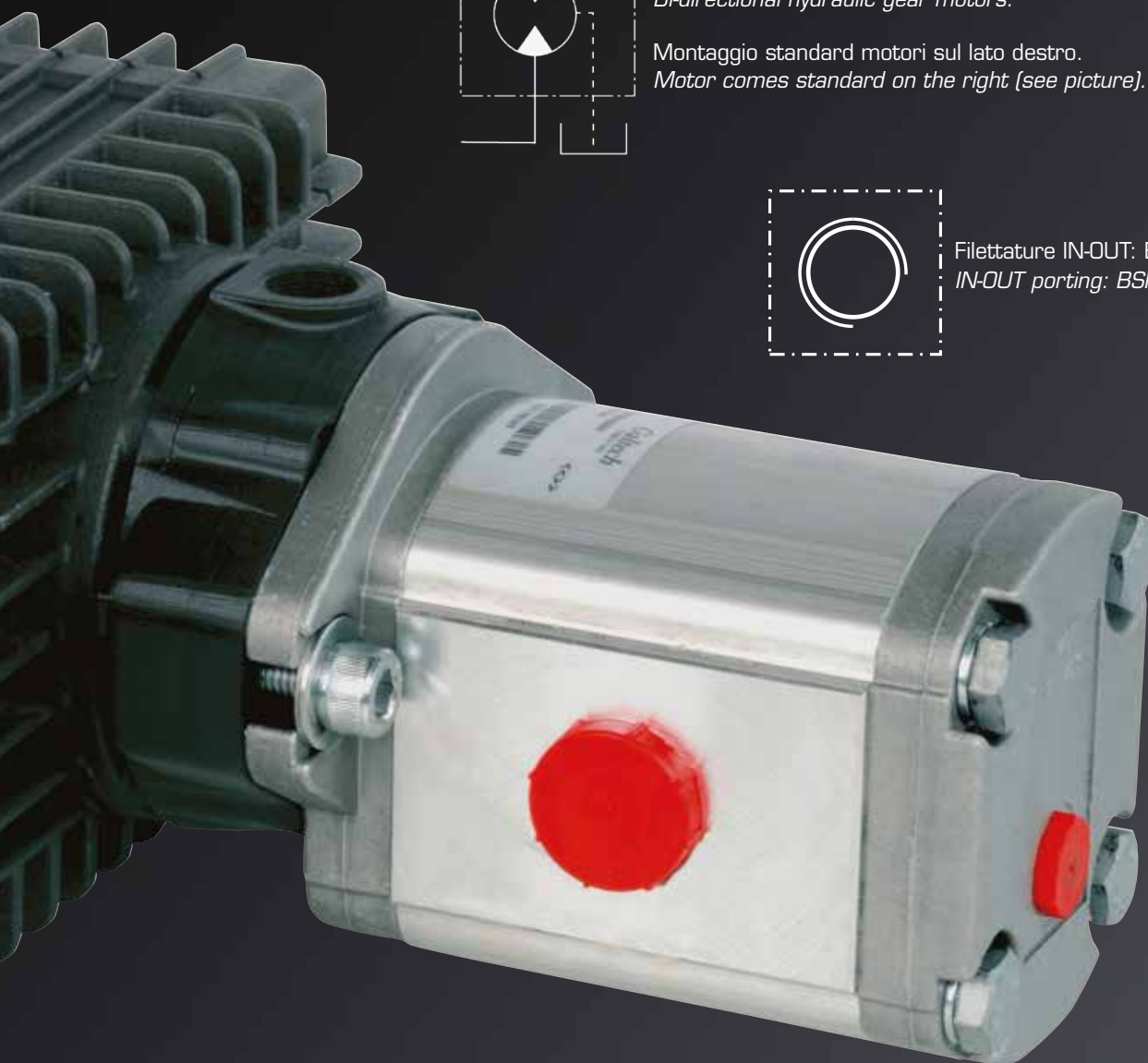


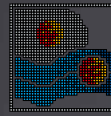
Motori idraulici bidirezionali ad ingranaggi.  
*Bi-directional hydraulic gear motors.*

Montaggio standard motori sul lato destro.  
*Motor comes standard on the right (see picture).*



Filettature IN-OUT: BSPP  
*IN-OUT porting: BSPP*





## 53 series

Montaggio standard motori su lato destro

Motor comes standard on the right (see picture)

Mod.	Volume		Pressure		Speed r.p.m.	Gear 8,5 cc.				Gear 14 cc.			
	L/min	Gpm	bar	p.s.i.		Oil volume		Oil press		Oil volume		Oil press	
<b>E1B1614</b>	14	3.7	160	2320	1450	13,5	3.6	230	3335	22,5	5.9	140	2030



## 59 series

Montaggio standard motori su lato destro

Motor comes standard on the right (see picture)

Mod.	Volume		Pressure		Speed r.p.m.	Gear 26 cc.			
	L/min	Gpm	bar	p.s.i.		Oil volume		Oil press	
<b>E3B2515</b>	15	3.96	250	3625	1450	42	11.2	130	1885
<b>E3B2121</b>	21	5.55	210	3045	1450	42	11.2	150	2175



## 47 series

Montaggio standard motori su lato destro

Motor comes standard on the right (see picture)

Mod.	Volume		Pressure		Speed r.p.m.	Gear 26 cc.			
	L/min	Gpm	bar	p.s.i.		Oil volume		Oil press	
<b>WS1630</b>	30	7.9	150	2175	1450	42	11.2	150	2175
	36	9.5	150	2175	1750	50,5	13.4	150	2175



## 66 series

Montaggio standard motori su lato destro

Motor comes standard on the right (see picture)

Mod.	Volume		Pressure		Speed r.p.m.	Gear 37,5 cc.			
	L/min	Gpm	bar	p.s.i.		Oil volume		Oil press	
<b>T2535Y</b>	35	9.2	250	3625	1750	65	17.1	180	2610
<b>T2040Y</b>	40	10.5	200	2900	1750	65	17.1	170	2470
<b>T1750Y</b>	50	13.2	175	2500	1750	65	17.1	180	2610
<b>W1555Y</b>	55	14.6	140	2030	1450	60	16.0	180	2610

# Accessori

## Accessories

Valvole di sicurezza certificate  
*Certified safety valves* pag. **64-65**

Regolatori di pressione  
*Regulating valves* pag. **66**

Valvole automatiche  
*Unloader valves* pag. **67**

Valvole pneumatiche  
*Pneumatic valves* pag. **68**

Valvole di sicurezza inox  
*S.S. safety valves* pag. **69**

Filtri  
*Filtres* pag. **70**

Distributori pneumatici  
*Pneumatic dumping valves* pag. **70**

Ugelli rotanti  
*Rotating nozzles* pag. **71**

Ugelli  
*Nozzles* pag. **71**

Lance complete  
*Spray guns* pag. **71**

Manometri  
*Pressure gauges* pag. **72**

Accumulatori antipulsazioni  
*Pulsation dampeners* pag. **72**

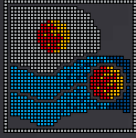
Valvole di non ritorno  
*Check valves* pag. **73**

Valvole a pedale  
*Foot valves* pag. **73**

Slitte tendicinghie  
*Slides* pag. **73**

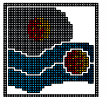
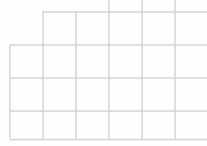


**INTERPUMP  
GROUP**



# Pratisoli





# Accessori - Accessories

## VALVOLE DI SICUREZZA CERTIFICATE CERTIFIED SAFETY VALVES

Certificazione secondo le disposizioni della Direttiva Apparecchi in Pressione 97/23/CE cat. II, relativamente alla progettazione, costruzione ed installazione in sicurezza di apparecchi in pressione.

Certification according to the PED Pressure Equipment Directive 97/23/CE, cat. II standards, for the design, fabrication and installation of pressure equipments.



ZERTIFIKAT ◆ CERTIFICADO ◆ CERTIFICADO ◆ CERTIFICAT



### CERTIFICATO CERTIFICATE

Controllo di fabbricazione interno e sorveglianza della verifica finale  
(Modulo A1)  
secondo direttiva 97/23/CE  
*Internal manufacturing checks and monitoring of the final assessment (Module A1) according to  
Directive 97/23/CE*

Certificato No.: TIS-PED-BO-13-03-048054-6299  
*Certificate No.: TIS-PED-BO-13-03-048054-6299*

Nome ed indirizzo del produttore: INTERPUMP GROUP S.p.A.  
*Name and postal address of manufacturer:* Via Fermi, 25  
I-42049 S. ILARIO (RE)

Prévo esame dei requisiti, il costruttore è autorizzato a fornire l'attrezzatura a  
pressione nell'ambito dell'esame del marchio CE e del nostro numero identificativo  
come illustrato:  
*After examination of the prerequisites the manufacturer is authorized to provide his pressure equipment  
manufactured within the scope of the examination with the CE-Mark and our identification number as illustrated*

## CE 0948

Rapporto di collaudo No.: R-TIS-PED-BO-13-03-048054-9107  
*Test report No.:*

Campo di validità:  
*Scope of examination:* Safety Valves type ON/OFF "Special Design" for  
High Pressure Water Systems up to II Category  
(Hydraulic Circuits) S723 (DN15) / S455 (DN20) /  
S1510 (DN15) / S1503 (DN15)  
Assembly Drawings: 36721401 Rev.1 / 36720301  
Rev.2 / 36721301 Rev.1 / 36721201 Rev.2 Rdr  
Tables: 98275250 Rev.0 / 98275150 Rev.0 / 98275050  
Rev.0 / 98274850 Rev.0

Officina di produzione:  
*Manufacturing plant:* GENERAL TECHNOLOGY S.r.l.  
I - 42124 REGGIO EMILIA (RE)

Milano, 13/12/2013

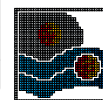


TUV ITALIA Srl  
Organismo Notificato PED dir. 97/23/CE  
*Notified Body*  
*General Office*

Prévo osservare le note sul reso.  
*Please observe the notes on revision.*

Organismo Notificato No. 0948  
*Notified Body, Identification No. 0948*





### S723

Portata massima <i>Flow max. rate</i>	230 l/min 61 gpm	<b>Per pompe For pumps</b>  KE - KT KF - HF KS - MW MK2 MK2S
Pressione max. <i>Pressure max.</i>	700 bar 70 MPa 10150 psi	
Temperatura max. <i>Temp max.</i>	85°C - 185°F	
Peso - <i>Weight</i>	1,7 kg - 3,8 lbs	



### S1503

Portata massima <i>Flow max. rate</i>	30 l/min 7.9 gpm	<b>Per pompe For pumps</b>  VFH - VKH SMH14
Pressione max. <i>Pressure max.</i>	1500 bar 150 MPa 21755 psi	
Temperatura max. <i>Temp max.</i>	40°C - 104°F	
Peso - <i>Weight</i>	1 kg - 2,2 lbs	



### S1510

Portata massima <i>Flow max. rate</i>	100 l/min 26.4 gpm	<b>Per pompe For pumps</b>  SMH SKH
Pressione max. <i>Pressure max.</i>	1500 bar 150 MPa 21755 psi	
Temperatura max. <i>Temp max.</i>	40°C - 104°F	
Peso - <i>Weight</i>	2,7 kg - 5,95 lbs	



### S1520

Portata massima <i>Flow max. rate</i>	240 l/min 63 gpm	<b>Per pompe For pumps</b>  SRhp TRhp
Pressione max. <i>Pressure max.</i>	1500 bar 150 MPa 21755 psi	
Temperatura max. <i>Temp max.</i>	85°C - 185°F	
Peso - <i>Weight</i>	8 kg - 17,8 lbs	



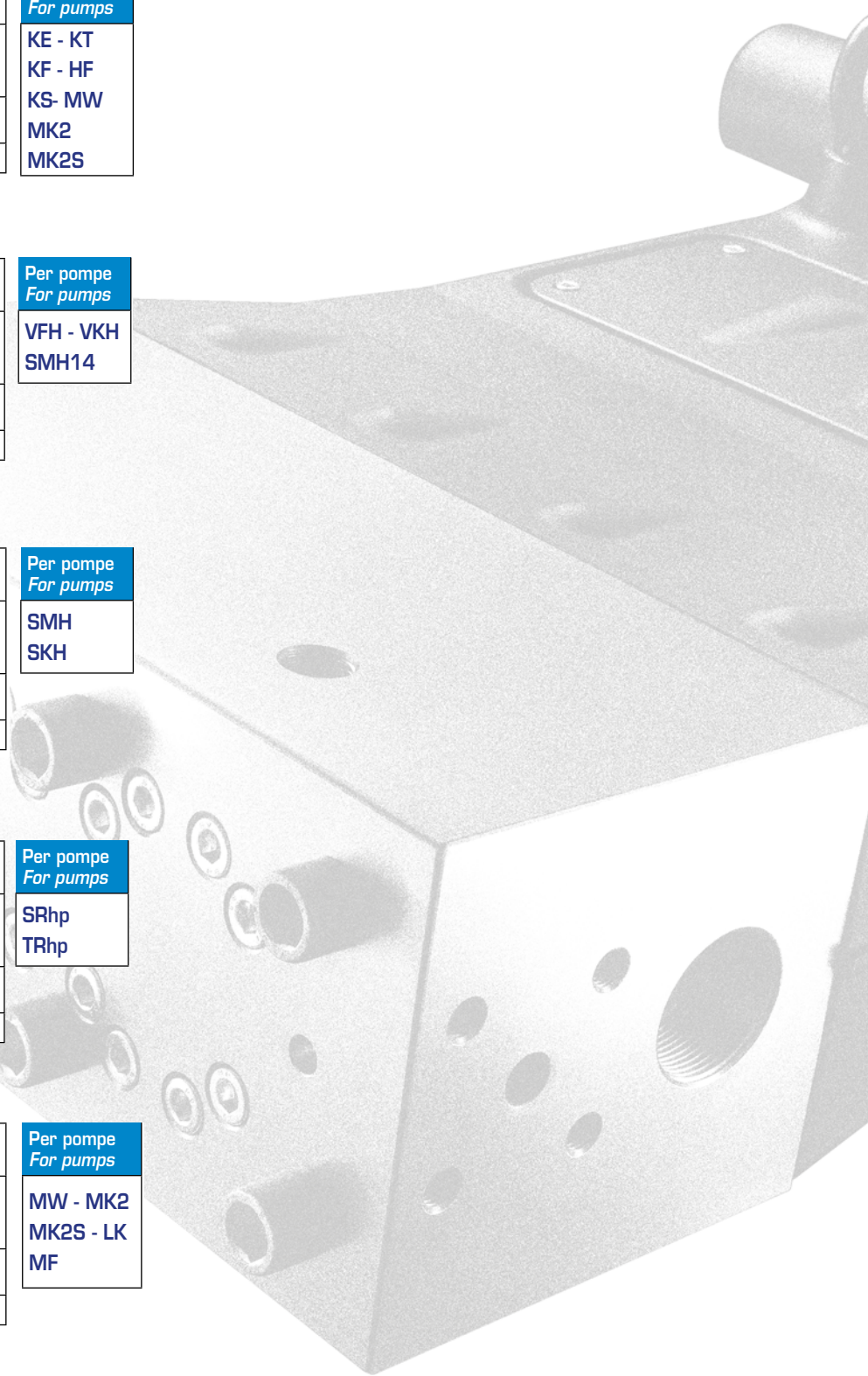
### S455

Portata massima <i>Flow max. rate</i>	500 l/min 132 gpm	<b>Per pompe For pumps</b>  MW - MK2 MK2S - LK MF
Pressione max. <i>Pressure max.</i>	450 bar 45 MPa 6525 psi	
Temperatura max. <i>Temp max.</i>	85°C - 185°F	
Peso - <i>Weight</i>	3,2 kg - 7,2 lbs	



### S4090

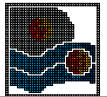
Portata massima <i>Flow max. rate</i>	950 l/min 251 gpm	<b>Per pompe For pumps</b>  SRhp TRhp
Pressione max. <i>Pressure max.</i>	400 bar 40 MPa 5800 psi	
Temperatura max. <i>Temp max.</i>	85°C - 185°F	
Peso - <i>Weight</i>	20 kg - 45 lbs	











**SX2**

Portata massima <i>Flow max. rate</i>	190 l/min 50.1 gpm
Pressione max. <i>Pressure max.</i>	600 bar 60 MPa 8700 psii
Temperatura max. <i>Temp max.</i>	60°C - 140°F
Peso - <i>Weight</i>	1,5 kg - 3,4 lbs

<b>Per pompe For pumps</b>
<b>SS70 SN70 SN71 HFN</b>



**SX3**

Portata massima <i>Flow max. rate</i>	500 l/min 132 gpm
Pressione max. <i>Pressure max.</i>	300 bar 30 MPa 4350 psi
Temperatura max. <i>Temp max.</i>	60°C - 140°F
Peso - <i>Weight</i>	2,5 kg - 5,5 lbs

<b>Per pompe For pumps</b>
<b>MWN LKN</b>



**R1102**

Portata massima <i>Flow max. rate</i>	21 l/min 5.5 gpm
Pressione max. <i>Pressure max.</i>	1100 bar 110 MPa 15954 psi
Temperatura max. <i>Temp max.</i>	40°C - 104°F
Peso - <i>Weight</i>	2,5 kg - 5,5 lbs

<b>Per pompe For pumps</b>
<b>KV - VFH</b>

VALVOLE REGOLAZIONE INOX - S. S. REGULATING VALVES



**R1X**

	<b>R1X 200</b>	<b>R1X 400</b>	<b>R1X 600</b>
Portata massima <i>Flow max. rate</i>	110 l/min 29 gpm	110 l/min 29 gpm	70 l/min 18.5 gpm
Pressione massima <i>Pressure max.</i>	200 bar 20 MPa 2900 psi	400 bar 40 MPa 5800 psi	600 bar 60 MPa 8700 psi
Temperatura max. <i>Temp max.</i>	85°C - 185°F	85°C - 185°F	85°C - 185°F
Peso - <i>Weight</i>	2,5 kg - 5,5 lbs	2,5 kg - 5,5 lbs	2,5 kg - 5,5 lbs

<b>Per pompe For pumps</b>
<b>SS70 SN70 SN71 HFN</b>



**R3Xlp**

Portata massima <i>Flow max. rate</i>	500 l/min 132 gpm
Pressione max. <i>Pressure max.</i>	230 bar 23 MPa 3336 psi
Temperatura max. <i>Temp max.</i>	85°C - 185°F
Peso - <i>Weight</i>	6 kg - 13,2 lbs

<b>Per pompe For pumps</b>
<b>MWN LKN</b>



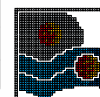
**R3Xhp**

Portata massima <i>Flow max. rate</i>	341 l/min 90 gpm
Pressione max. <i>Pressure max.</i>	450 bar 45 MPa 6527 psi
Temperatura max. <i>Temp max.</i>	85°C - 185°F
Peso - <i>Weight</i>	5,3 kg - 11,7 lb

<b>Per pompe For pumps</b>
<b>MWN LKN</b>







### PG1 - PG2

Pressione massima <i>Pressure max.</i>	0 - 120 bar / 0 - 12 mpa
	0 - 160 bar / 0 - 16 mpa
	0 - 250 bar / 0 - 25 mpa
	0 - 400 bar / 0 - 40 mpa
	0 - 600 bar / 0 - 60 mpa
	0 - 1000 bar / 0 - 100 mpa
Attacco - <i>Connection</i>	1/4" Gas

Per pompe - *For pumps*

Tutte le pompe  
All pumps



### PG3

Pressione massima <i>Pressure max.</i>	0 - 1000 bar / 0 - 100 mpa
	0 - 1600 bar / 0 - 160 mpa
Attacco - <i>Connection</i>	1/2" Gas

Per pompe - *For pumps*

Tutte le pompe  
All pumps

## ACCUMULATORI ANTIPULSAZIONI - PULSATION DAMPENERS

### A4X - SS 316 L



Capacità <i>Volume</i>	0,35 l
Pressione max. <i>Pressure max.</i>	210 bar 21 MPa 3045 psi
Temperatura max. <i>Temp max.</i>	60°C - 140°F
Peso - <i>Weight</i>	2 kg - 4,44 lbs

Per pompe  
*For pumps*

KE - KT

### A7



Capacità <i>Volume</i>	0,75 l
Pressione max. <i>Pressure max.</i>	210 bar 21 MPa 3045 psi
Temperatura max. <i>Temp max.</i>	60°C - 140°F
Peso - <i>Weight</i>	2,6 kg - 5,77 lbs

Per pompe  
*For pumps*

KT - KF

### A7S



Capacità <i>Volume</i>	0,75 l
Pressione max. <i>Pressure max.</i>	350 bar 35 MPa 5075 psi
Temperatura max. <i>Temp max.</i>	60°C - 140°F
Peso - <i>Weight</i>	5,5 kg - 12,2 lbs

Per pompe  
*For pumps*

KT - KF

### A7X - SS 316 L



Capacità <i>Volume</i>	0,70 l
Pressione max. <i>Pressure max.</i>	150 bar 15 MPa 2150 psi
Temperatura max. <i>Temp max.</i>	60°C - 140°F
Peso - <i>Weight</i>	3,9 kg - 8,66 lbs

Per pompe  
*For pumps*

SS70  
SN70  
MWN

### A15



Capacità <i>Volume</i>	1,5 l
Pressione max. <i>Pressure max.</i>	330 bar 33 MPa 4750 psi
Temperatura max. <i>Temp max.</i>	60°C - 140°F
Peso - <i>Weight</i>	7,1 kg - 15,77 lbs

Per pompe  
*For pumps*

MW - MK2  
MK2S - LK

### A15X - SS 316 L



Capacità <i>Volume</i>	1,5 l
Pressione max. <i>Pressure max.</i>	150 bar 15 MPa 2150 psi
Temperatura max. <i>Temp max.</i>	60°C - 140°F
Peso - <i>Weight</i>	7,1 kg - 15,77 lbs

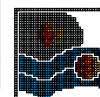
Per pompe  
*For pumps*

MW  
LKN



## SEPARATORI A MEMBRANA - PRESSURE GAUGE SEPARATORS

Manometro e raccordi non inclusi nella fornitura - Pressure gauge and fittings not included in the supply



### SD1

Volume olio Oil volume	0,06 dm <sup>3</sup>
Pressione max. Pressure max.	50 bar 5 MPa 725 psi
Temperatura max. Temp max.	100°C - 210°F
Attacco filettato Threaded connection	1/2" Gas
Peso - Weight	1,3 kg - 2,86 lbs

Per pompe  
For pumps

KT45M  
KF5M  
MF7M  
MK29M



### SM40

Volume olio Oil volume	0,07 dm <sup>3</sup>
Pressione max. Pressure max.	150 bar 15 MPa 2175 psi
Temperatura max. Temp max.	100°C - 210°F
Attacco filettato Threaded connection	1" Gas
Peso - Weight	3,6 kg - 7,93 lbs

Per pompe  
For pumps

KF5M  
MF7M  
MK29M



### SM50

Volume olio Oil volume	0,164 dm <sup>3</sup>
Pressione max. Pressure max.	150 bar 15 MPa 2175 psi
Temperatura max. Temp max.	100°C - 210°F
Attacco filettato Threaded connection	1" 1/2 Gas
Peso - Weight	7,3 kg - 16 lbs

Per pompe  
For pumps

MF7M  
MK29M

## VALVOLE DI NON RITORNO - CHECK VALVES



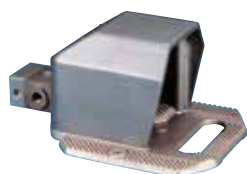
### UD1

Portata massima Flow rate max.	180 l/min 48 gpm
Pressione massima Pressure max.	250 bar 25 MPa 3650 psi
Temperatura max. - Temp max.	60°C - 140°F
Peso - Weight	1,2 kg - 2,64 lbs
Pressione apertura Release pressure	Optional 5 bar - 73 psi
	Standard 0,2 bar - 3 psi

Per pompe  
For pumps

KE - KT  
KF - HF  
MW

## VALVOLE A PEDALE - FOOT VALVES



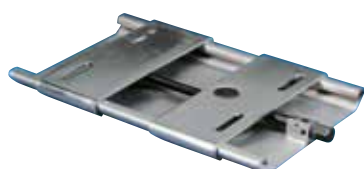
### VP15

Portata massima Flow max. rate	80 l/min 21.1 gpm
Pressione massima Pressure max.	1500 bar 150 MPa 21755 psi
Temperatura max. - Temp max.	60°C - 140°F
Peso - Weight	10,5 kg - 23,1 lbs

Per pompe  
For pumps

VFH - VKH  
SMH - SKH  
KV - HF

## SLITTA TENDICINGHIE - SLIDES



### TC-G

Per installazioni fino  
a 50hp / 37kW

For installation  
up to 50hp / 37kW

Per pompe  
For pumps

KE - EV  
KT - KF  
HF - VFH

# GL power units

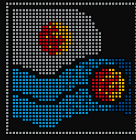
Unità alta pressione realizzate su specifica Cliente per applicazioni lavaggio e processo.  
Studio di fattibilità e quotazioni a richiesta.

*Industrial pump system custom made for jetting and process applications.  
GL units are available in a variety of options, call our Sales Dept. for your solution customised and quote.*



**INTERPUMP  
GROUP**





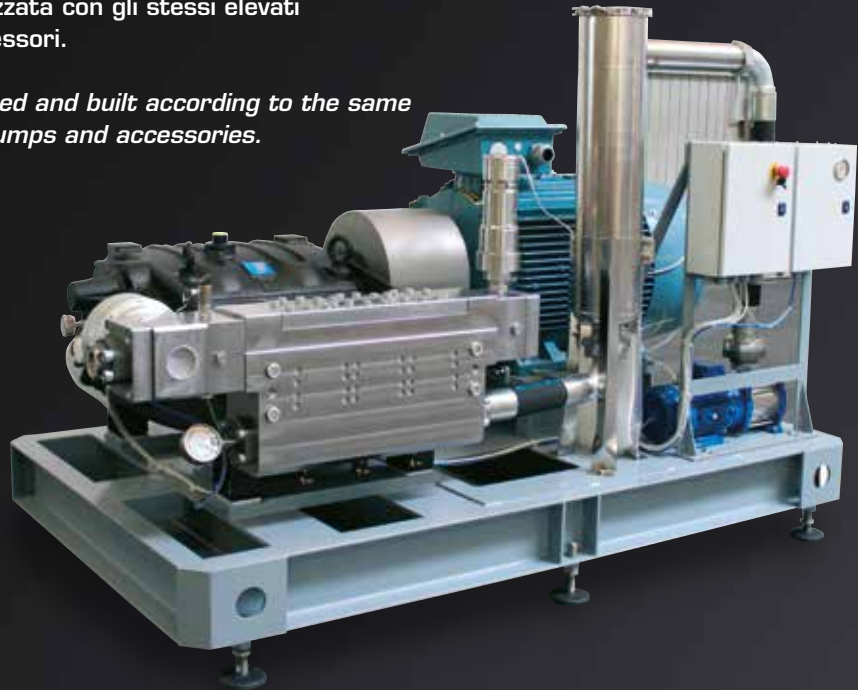
# Pratissoli



# GL power units

Mobile o stazionaria, ogni unità è progettata e realizzata con gli stessi elevati standard di qualità impiegati per le pompe e gli accessori.

*Stationary or mobile, every unit is in-house engineered and built according to the same severe quality standards applied to our bareshaft pumps and accessories.*

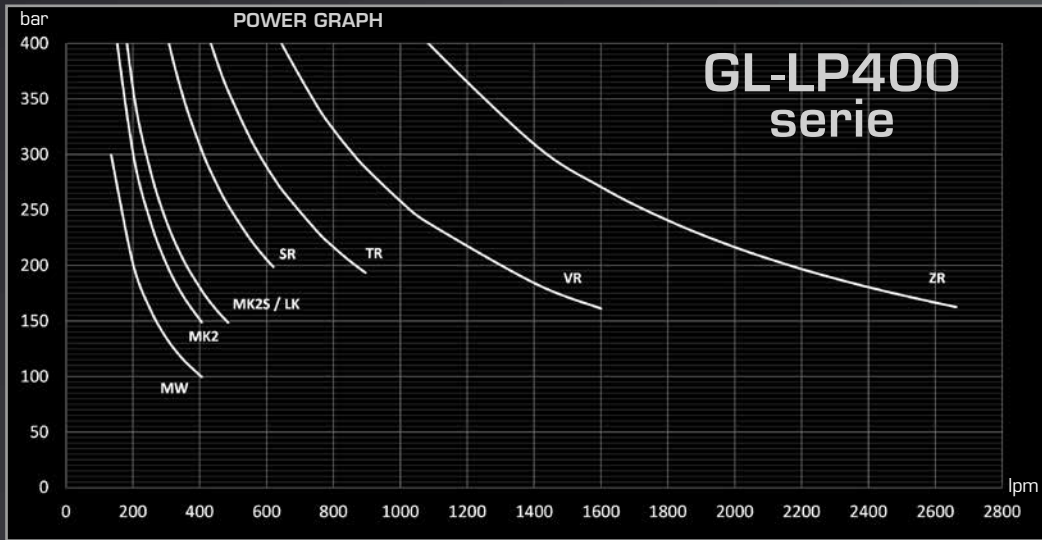


Per le ns. unità utilizziamo solo componentistica di altissima qualità per assicurare la massima affidabilità, durata ed economicità di esercizio.

*Premium quality components are incorporated throughout the system to ensure the longest life, trouble-free operation at the lowest maintenance cost.*



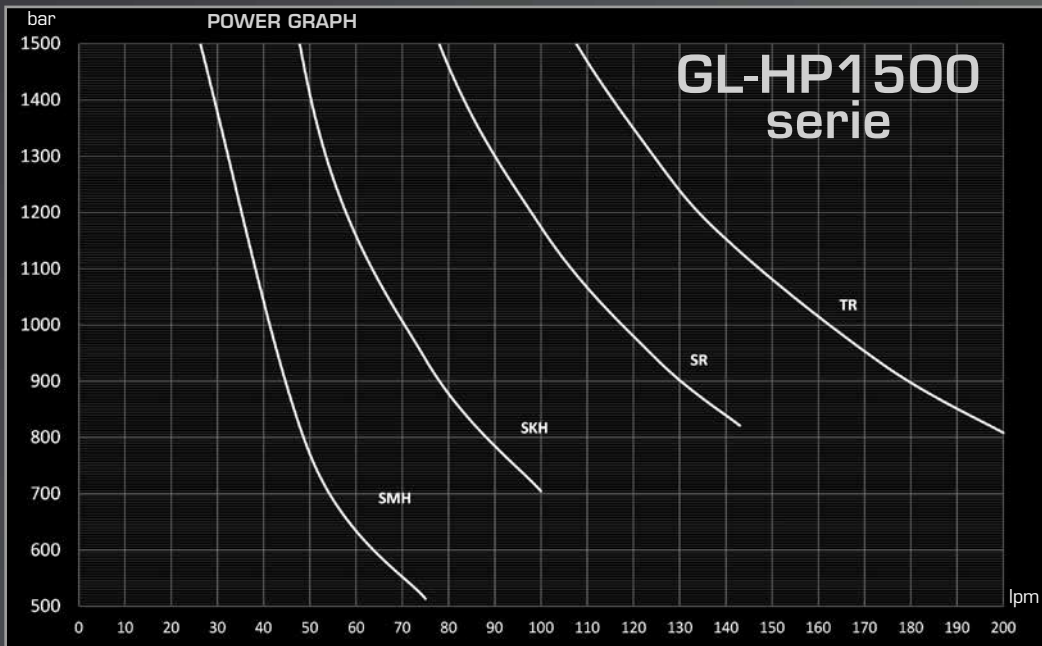
# 400/1500<sub>bar</sub>



Pompa Pump	Potenza Power	
	hp	kW
MW	100	75
MK2	150	110
MK2S - LK	180	132
SRip	300	221
TRip	450	331
VR	700	515
ZR	1500	882

Motorizzate da 75 Kw fino a 880 Kw, le versioni GL- LP400 sono realizzate per portate fino a 2600 lpm e pressioni fino a 400 bar.

*Powered from 75 Kw to 880 Kw our GL- LP400 units are designed to cover all possible flow/pressure combinations up to 2600 lpm and pressures up to 400 bar.*



Pompa Pump	Potenza Power	
	hp	kW
SMH	100	75
SKH	150	110
SRhp	300	221
TRhp	450	331

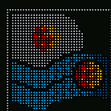
Motorizzate da 75 Kw fino a 331 Kw, le versioni GL- HP1500 sono realizzate per portate fino a 200 lpm e pressioni fino a 1500 bar.

*Powered from 75 Kw to 331 Kw our GL- HP1500 units are designed to cover all possible flow/pressure combinations up to 200 lpm and pressures up to 1500 bar.*









# Pratissoli

A brand of



## INTERPUMP GROUP

**AZIENDA CON SISTEMA  
DI GESTIONE QUALITÀ  
CERTIFICATO DA DNV  
=ISO 9001=**

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