

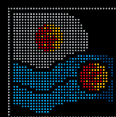
Pratissoli

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.

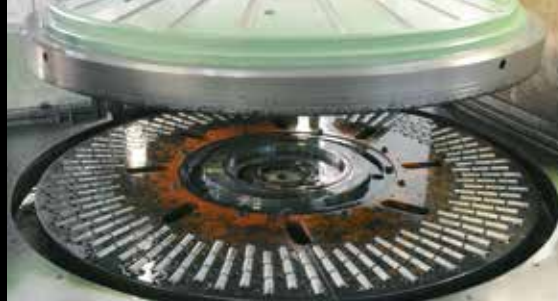
Pratissoli Pompe has been dealing with this hard but fascinating reality since 1947, proud today to be recognized among the worldwide leaders in high pressure water pump technology.

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



**INTERPUMP
GROUP**





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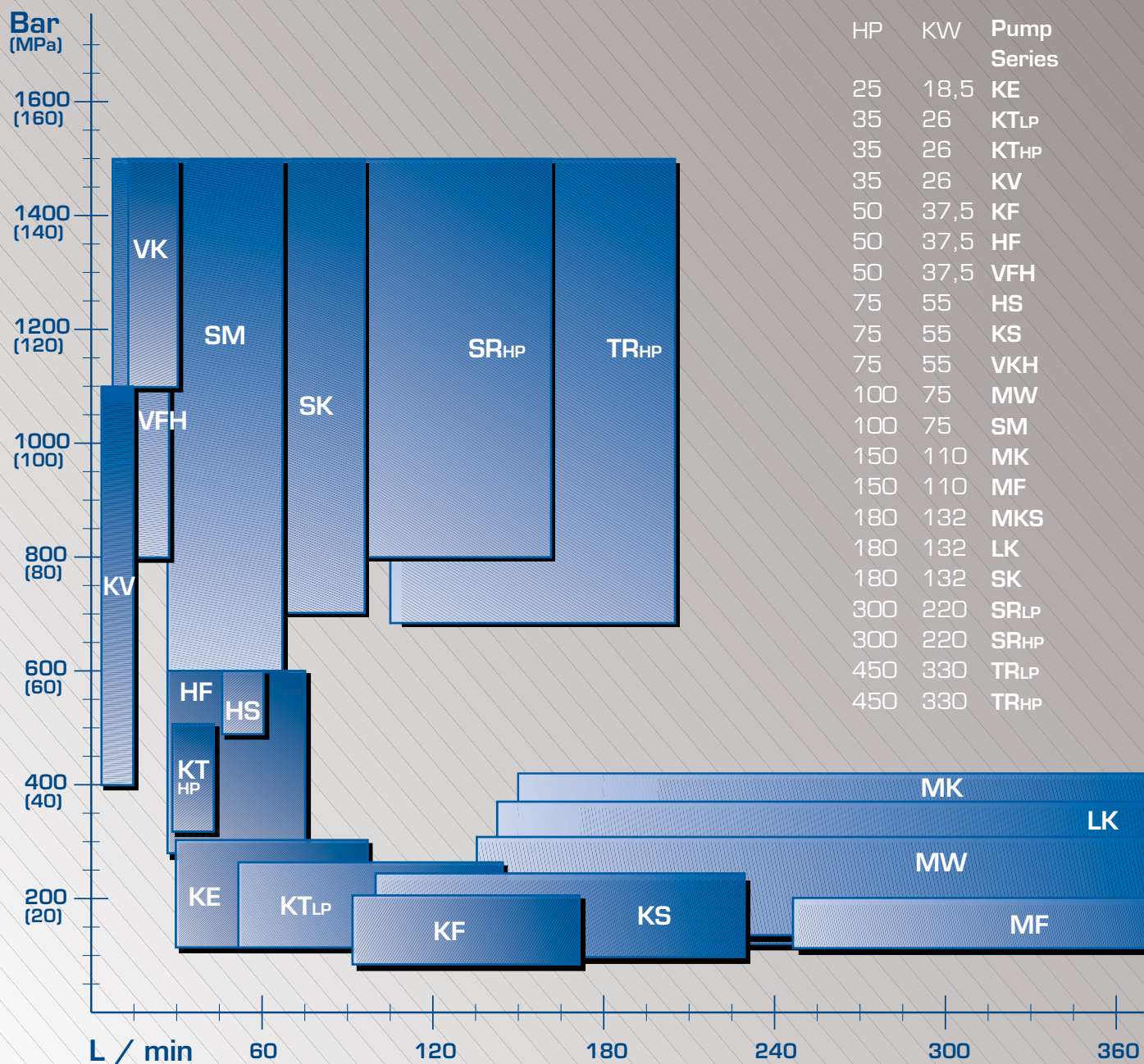
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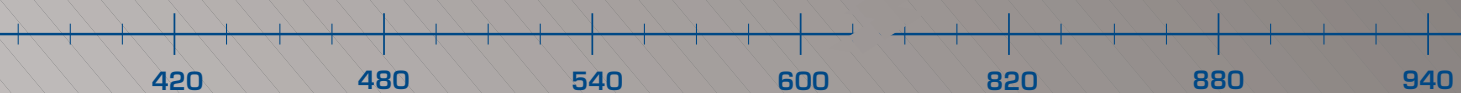
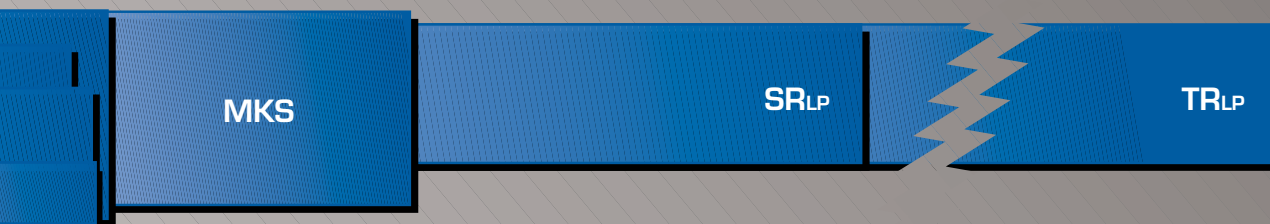
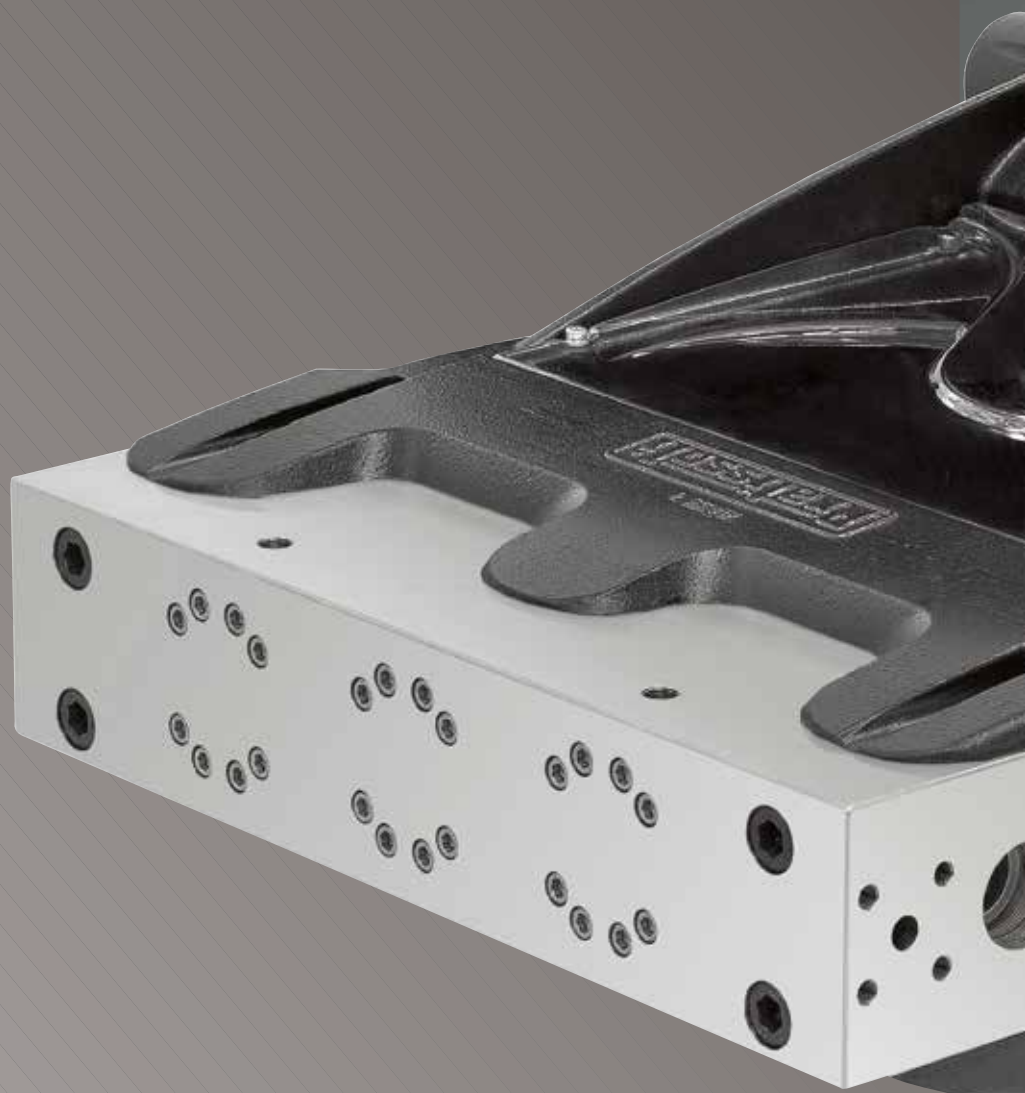
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Plunger Pump series

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:

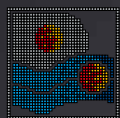
- Osmosi inversa
- Iniezione in pozzo
- Test idrostatici
- Iniezione chimica
- Rimozione rivestimenti
- Alimentazione presse
- Carotaggio
- Umidificazione
- Idrodemolizione
- Disidratazione gas
- Discagliatura
- Taglio ad acqua
- Pulizia reti acque reflue
- Lavaggio strade
- Rimozione vernice
- Preparazione 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



KE series

25HP



CARTER SIMMETRICO per conversione rapida
sporgenza albero dx o sx.

SYMMETRICAL POWER END for easy and
quick right left side shaft conversion.

COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 6 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- Versioni disponibili su richiesta con sistema di flussaggio tenute.

CONSTRUCTION

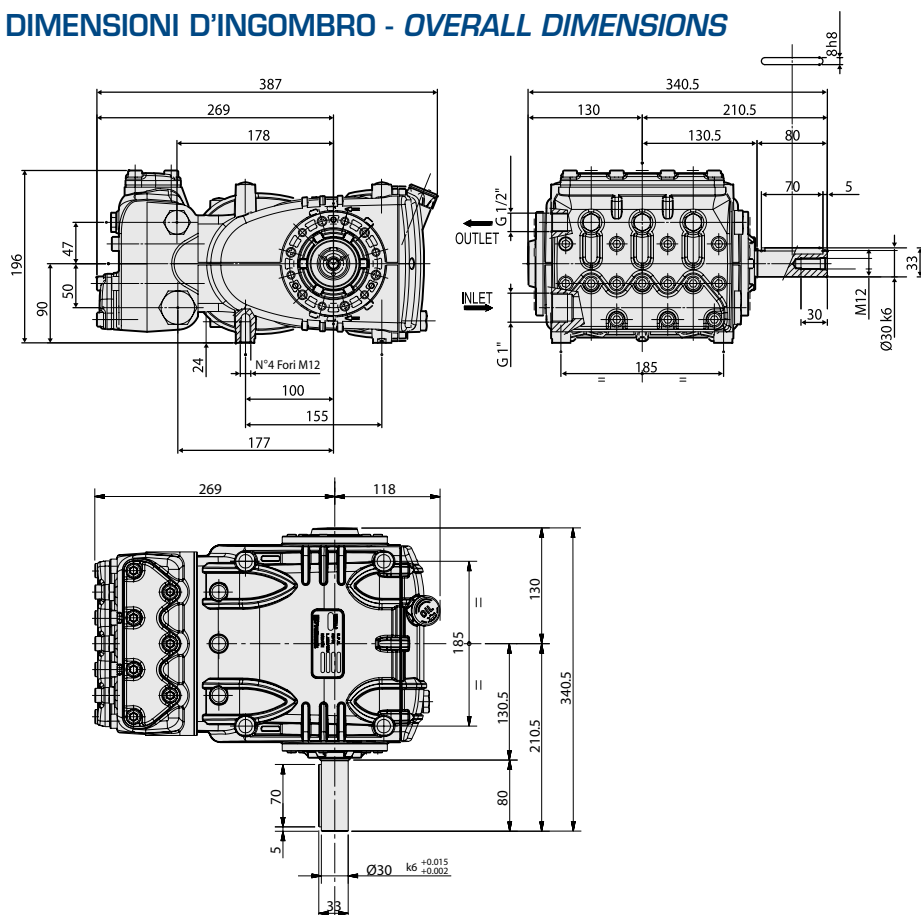
- Triplex plunger pump, available in 6 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- Flushing systems available on request on selected versions.

Tipo pompa Pump type	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	38
KE 22	37	9.8	250	25	3620	1450	25	18,4	38
KE 24	45	11.9	210	21	3045	1450	25	18,4	38
KE 28 H	61	16.1	150	15	2170	1450	25	18,4	38
KE 30 H	70	18.5	130	13	1885	1450	25	18,4	38
KE 36 H	100	26.4	100	10	1450	1450	25	18,4	36

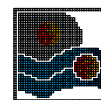
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency

Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

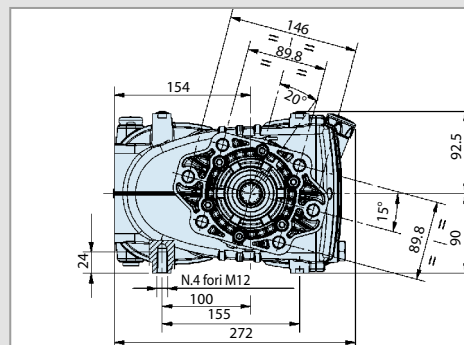
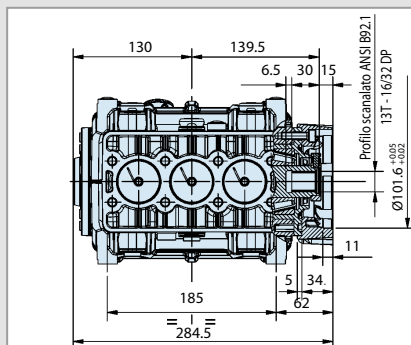
DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



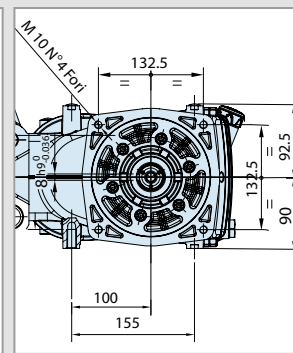
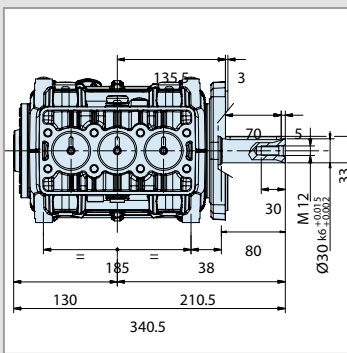
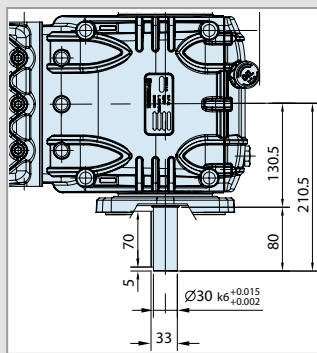
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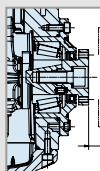
Predisposizione per motore idraulico SAE J744-B albero scanalato 13T 16/32 DP
Hydraulic motor mount SAE J744-B spline shaft 13T 16/32 DP



Flangia supporto per azionamenti diretti
Flange for direct drive mount

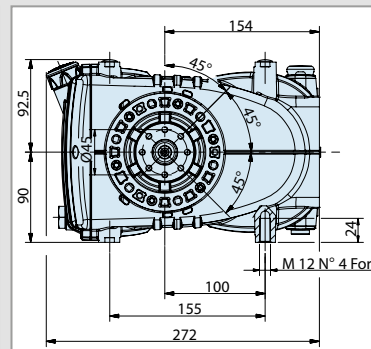
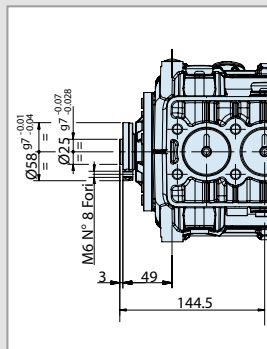


Predisposizione presa di forza ausiliaria opposta albero moto
Auxiliary P.T.O. opposite to shaft side



La coppia max è prelevabile anche con pompa a pieno carico (25hp sulla presa primaria).
 Max. torque is available also with pump at full load (25hp at the primary shaft).

	Coppia max Max torque (Nm)	Potenza max Max power (Hp)	rpm
Cinghie Pulley / belts	20	2,3 4,1	800 1450
Giunto diretto Flex joint direct	40	4,6 8,2	800 1450



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

Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1

Alimentazione
Power supply

12/24 VDC

KT LP series

35HP



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sporgenza albero dx o sx.

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- Valvole aspirazione mandata a disposizione ortogonale.
- Lubrificazione a sbattimento.
- Versioni disponibili su richiesta con sistema di flussaggio tenute.

CONSTRUCTION

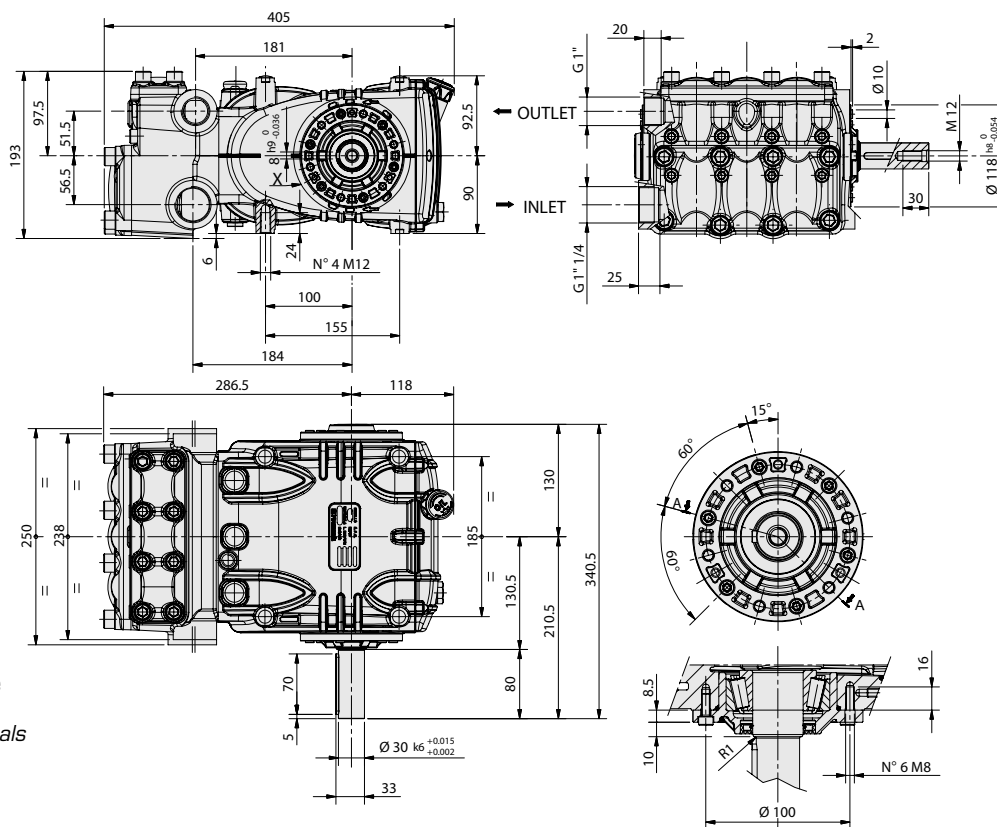
- Triplex plunger pump, available in 6 versions.
- Pressure packing design with integrated cooling system.
- Orthogonally fitted valves.
- Splash lubrication.
- Flushing systems available on request on selected versions.

Tipo pompa Pump type	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	2900	1450	33	24,4	40
	62	16.3	200	20	2900	1750	32	23,6	
KT 28	70	18.4	200	20	2900	1450	36	26,7	40
	84	22.2	175	17,5	2540	1750	38	28,0	
KT 30	80	21.1	175	17,5	2540	1450	36	26,7	40
	96	25.5	140	14	2030	1750	35	26,0	
KT 32	91	24.0	150	15	2175	1450	35	26,0	40
KT 36	115	30.4	120	12	1740	1450	36	26,7	40
	125	33.1	125	12,5	1813	1580	41	29,9	
KT 40	142	37.5	100	10	1450	1450	37	27,1	38

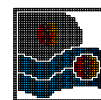
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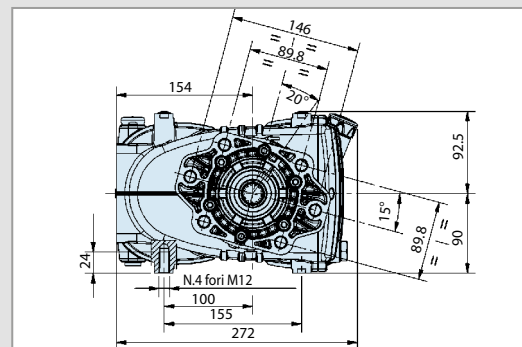
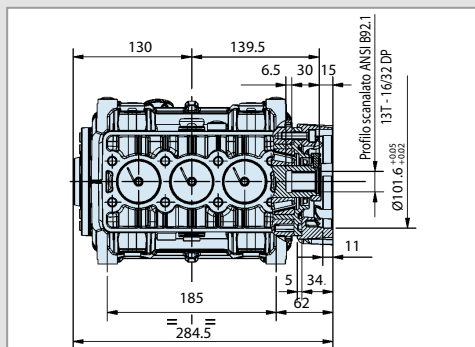
DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



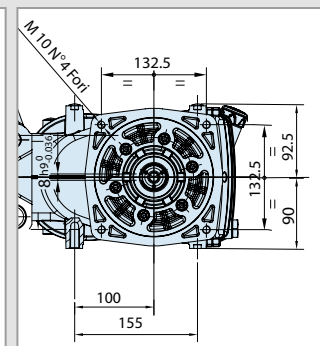
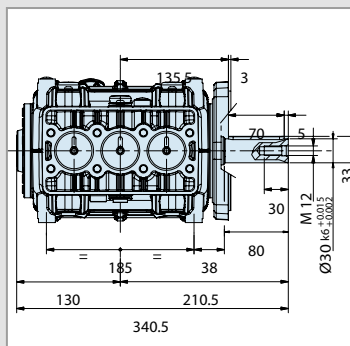
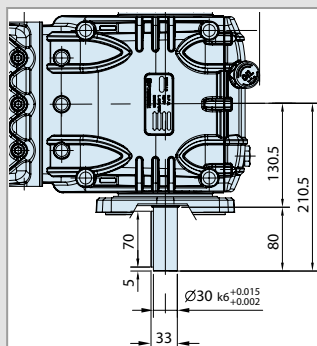
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Predisposizione per motore idraulico SAE J744-B albero scanalato 13T 16/32 DP
Hydraulic motor mount SAE J744-B spline shaft 13T 16/32 DP



Flangia supporto per azionamenti diretti
Flange for direct drive mount



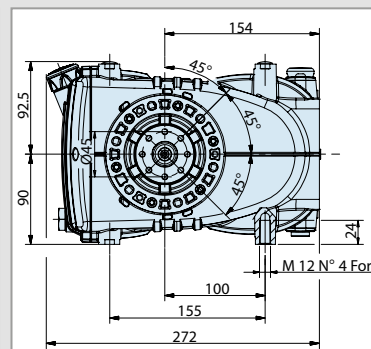
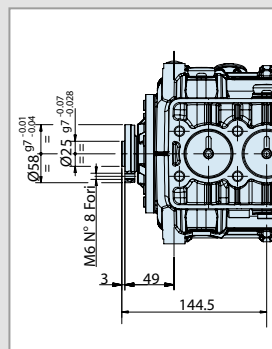
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ZRPM1 Revolution counter



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KT HP series

35HP



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COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 4 versioni.
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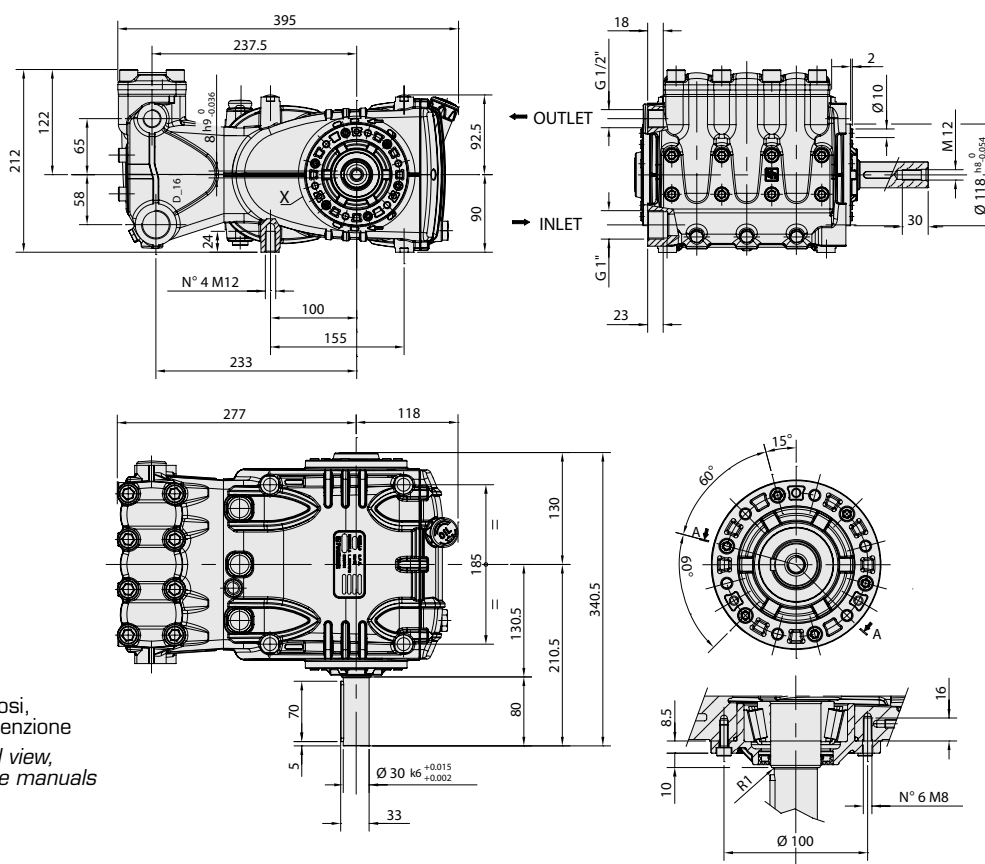
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	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
KT 16	27	7.2	500	50	7250	1750	36	26,2	41
KT 18	29	7.6	500	50	7250	1450	37	27,5	41
	35	9.2	400	40	5800	1750	36	26,5	
KT 19*	30	7.9	500	50	7250	1450	39	28,7	41
	36	9.5	400	40	5800	1750	38	27,9	
KT 20	36	9.4	400	40	5800	1450	37	27,1	41
	43	11.3	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

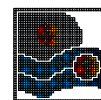
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(*) Disponibile da maggio 2018 / Available from may 2018

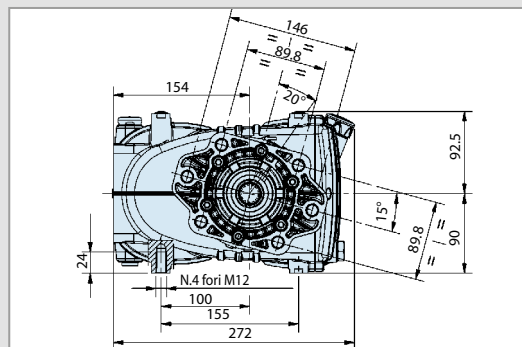
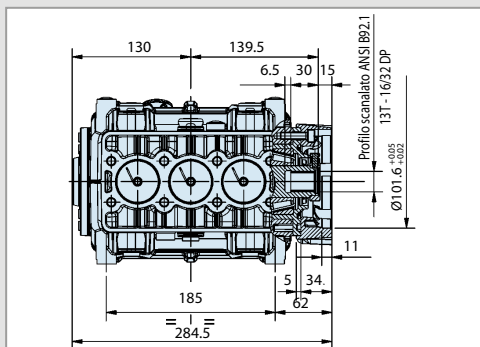
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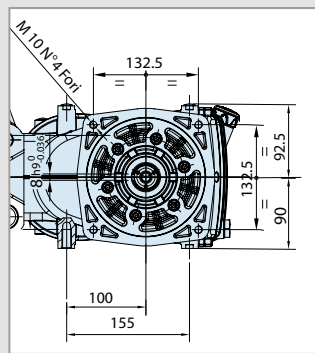
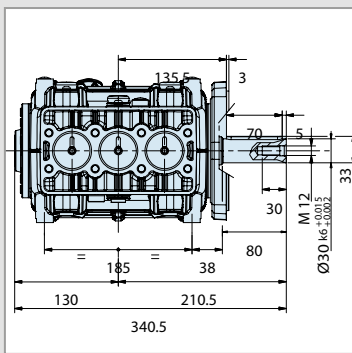
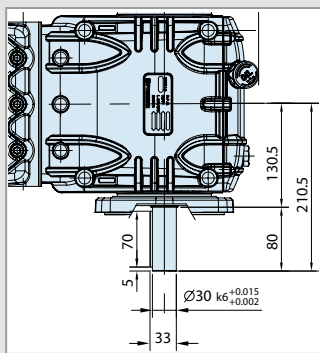
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Flange for direct drive mount



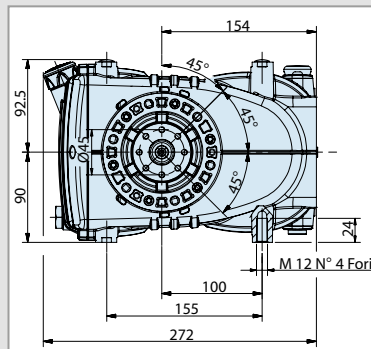
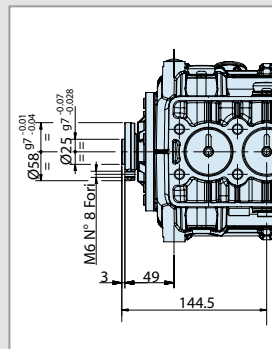
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KV series

35HP



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SYMMETRICAL POWER END for easy and quick right left side shaft conversion.

COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 2 versioni.
- Sistema di raffreddamento pistoni e guarnizioni di pressione.
- Valvole aspirazione mandata coassiali.
- Lubrificazione a sbattimento.

CONSTRUCTION

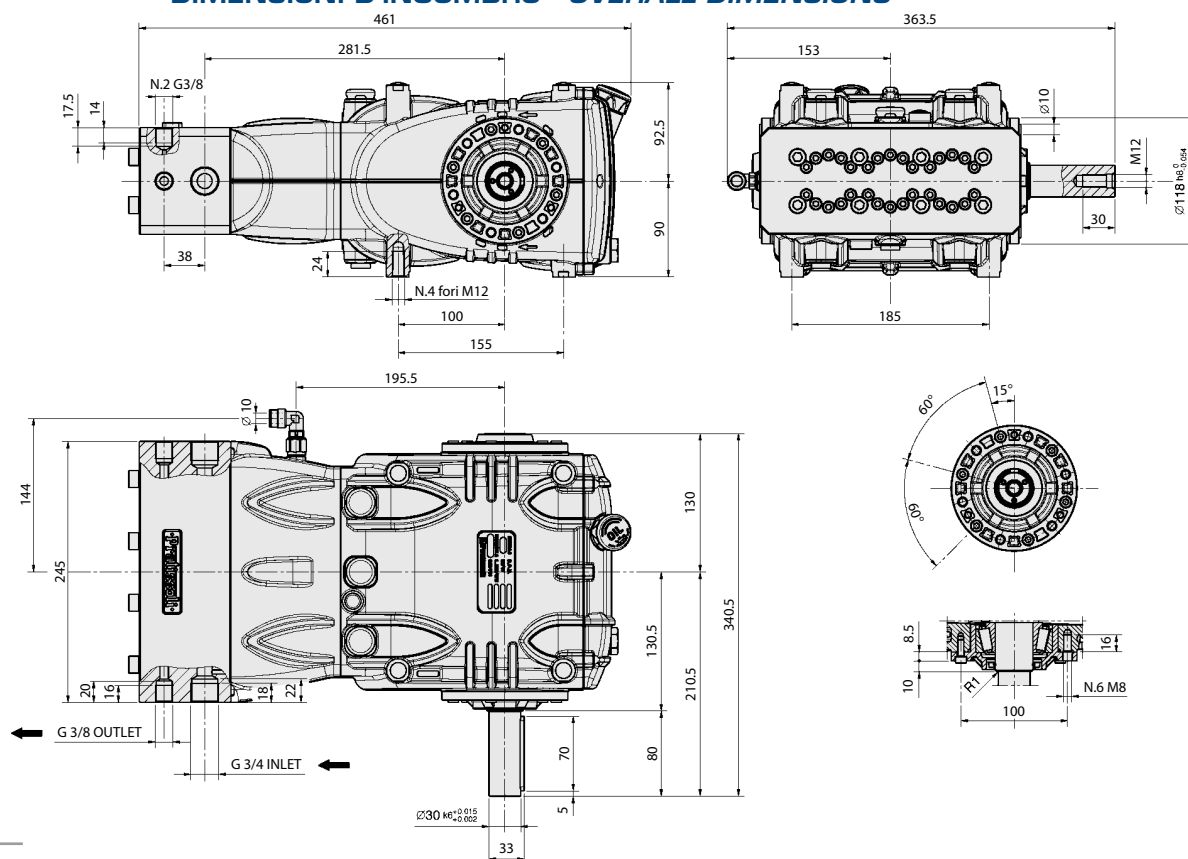
- Triplex plunger pump, available in 2 versions.
- Pressure packing integrated cooling system.
- Coaxial suction / delivery valves.
- Splash lubrication.

Tipo pompa Pump type	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	
KV 12	12,8	3,4	1100	110	16000	1450	36,5	26,9	40
	15,4	4,1	1100	110	16000	1750	44	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

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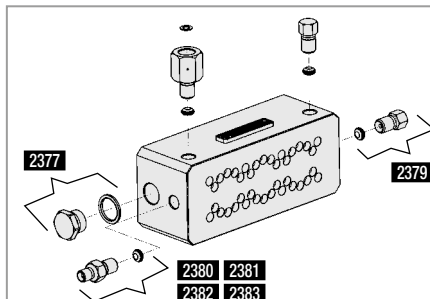


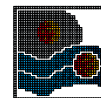
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KIT DI CONNESSIONE - CONNECTION KIT

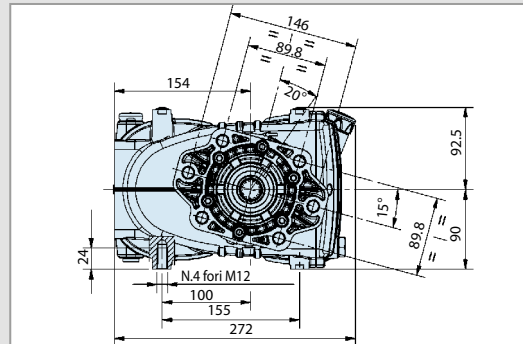
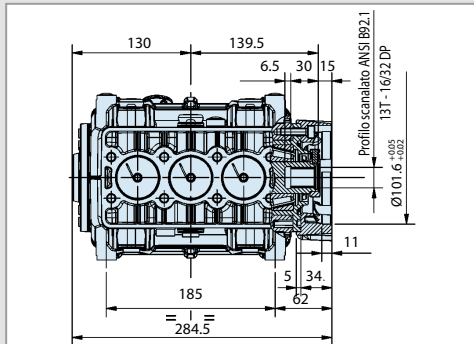
KIT2377	INLET	G 3/4"
KIT2379	OUTLET	G 3/4"
KIT2380	OUTLET	G 3/8" HP - G 1/4"
KIT2381	OUTLET	G 3/8" HP - G 3/8"
KIT2382	OUTLET	G 3/8" HP - M14x 1,5
KIT2383	OUTLET	G 3/8" HP - M20x 1,5

Suffix HP: Con pastiglia conica
Suffix HP: With conical seal

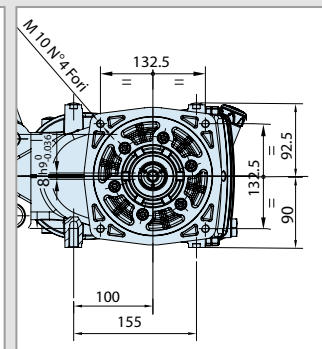
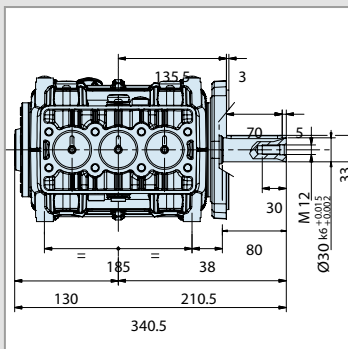
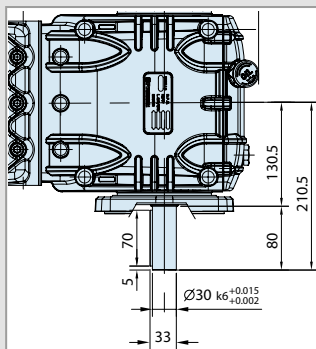




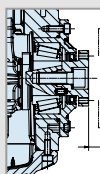
Predisposizione per motore idraulico SAE J744-B albero scanalato 13T 16/32 DP
Hydraulic motor mount SAE J744-B spline shaft 13T 16/32 DP



Flangia supporto per azionamenti diretti
Flange for direct drive mount

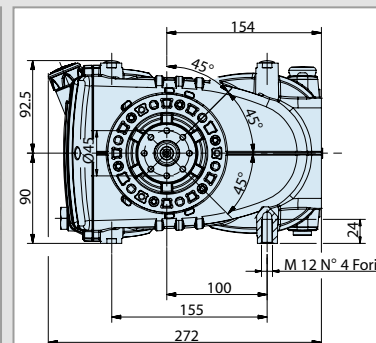
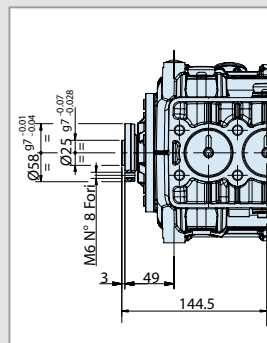


Predisposizione presa di forza ausiliaria opposta albero moto
Auxiliary P.T.O. opposite to shaft side



La coppia max è prelevabile anche con pompa a pieno carico (35hp sulla presa primaria).
 Max. torque is available also with pump at full load (35hp at the primary shaft).

	Coppia max Max torque (Nm)	Potenza max Max power (Hp)	rpm
Cinghie Pulley / belts	20	2,3 4,1	800 1450
Giunto diretto Flex joint direct	40	4,6 8,2	800 1450



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
 Inductive proximity sensor; c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1

Alimentazione
Power supply

12/24 VDC

KF series

50HP



CARTER SIMMETRICO per conversione rapida
sporgenza albero dx o sx.

SYMMETRICAL POWER END for easy and
quick right left side shaft conversion.

COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 5 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- Versioni disponibili su richiesta con sistema di flussaggio tenute.

CONSTRUCTION

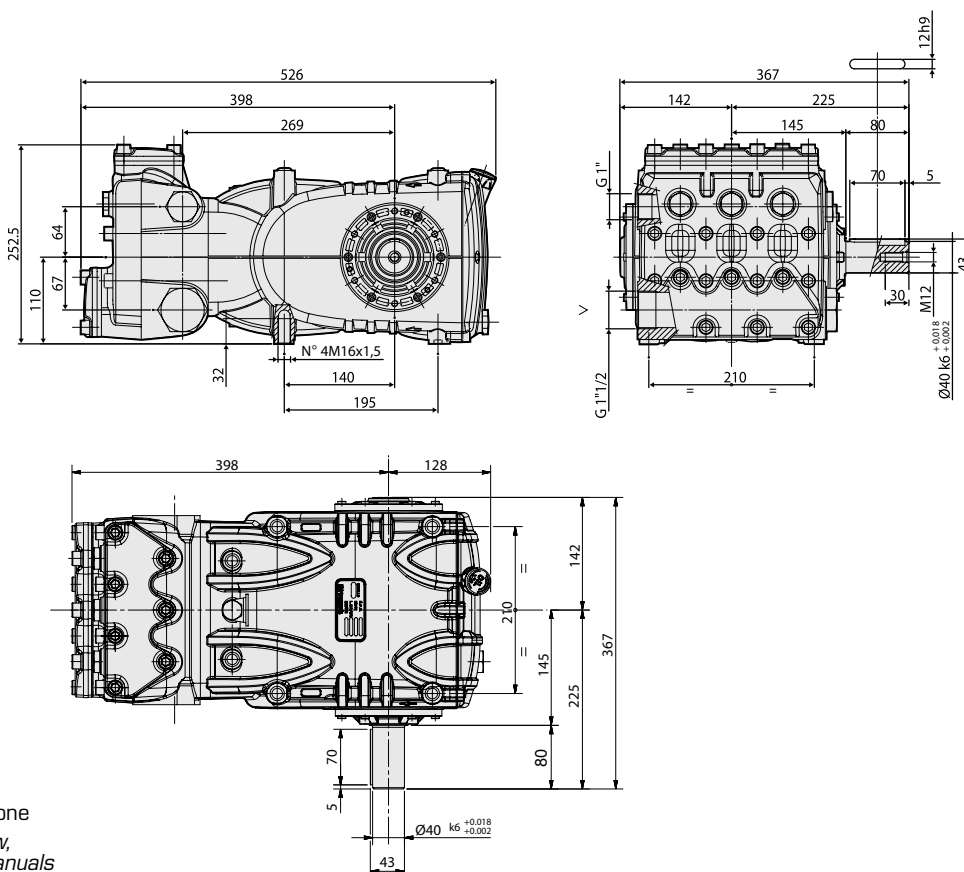
- Triplex plunger pump, available in 5 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- Flushing systems available on request on selected versions.

Tipo pompa Pump type	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	3045	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	153	40.0	130	13	1900	1000	52	38,2	72
KF 40	170	45.0	110	11	1600	900	49	36,0	71

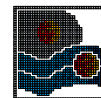
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency

Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

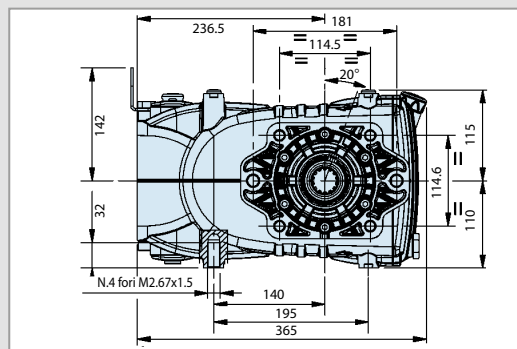
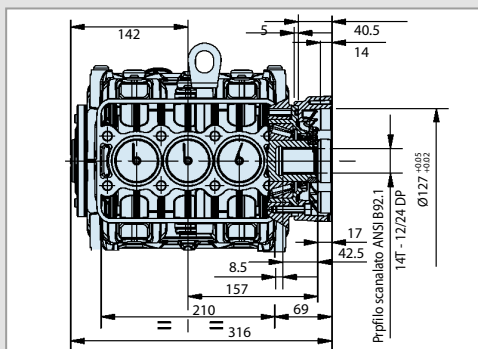
DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



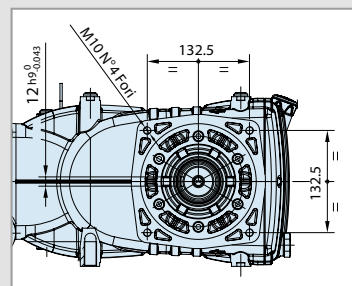
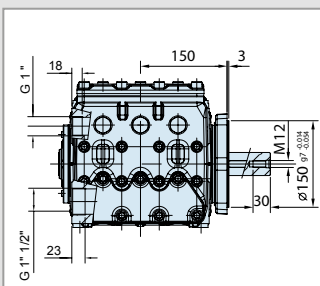
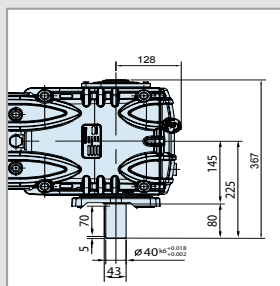
Scheda tecnica, esplosi,
manuali uso e manutenzione
Data sheet, exploded view,
repair & maintenance manuals



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 - Flange for direct drive mount

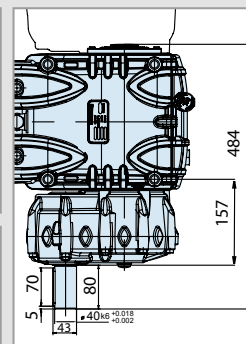
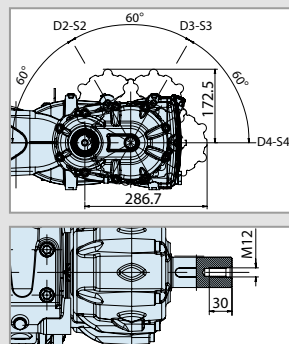


Riduttore - Gearbox



Le pompe KF sono disponibili su richiesta con riduttore di giri laterale. Il riduttore è disponibile in 3 rapporti ed installabile a dx o sx della pompa in 4 differenti angoli. Rapporti di riduzione:
 R=1,25:1 - R=1,50:1 - R=1,83:1

KF pumps can be supplied with a optional gearbox available in 3 different ratios. The gearbox can be mounted on the left or right side of the pump in 4 different angles, at customer choice. Gearbox ratios:
 R=1,25:1 - R=1,50:1 - R=1,83:1

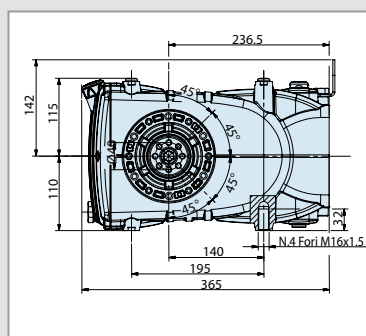
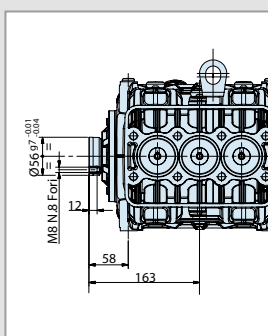


Predisposizione presa di forza ausiliaria opposta albero moto - Auxiliary P.T.O. opposite to shaft side

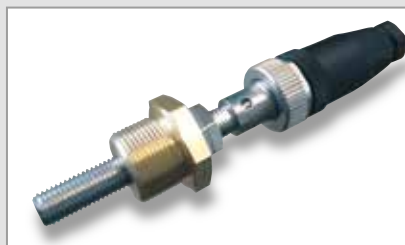


La coppia max è prelevabile anche con pompa a pieno carico (50hp sulla presa primaria).
 Max. torque is available also with pump at full load (50hp at the primary shaft).
 22 mm Max

	Coppia max Max torque (Nm)	Potenza max Max power (Hp)	rpm
Cinghie Pulley / belts	65	7,0	750
		7,4	800
		8,3	900
		9,3	1000
Giunto diretto Flex joint direct	130	14,0	750
		14,8	800
		16,6	900
		18,6	1000



Lettore di giri ZRPM1 - ZRPM1 Revolution counter



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

50HP



CARTER SIMMETRICO per conversione rapida
sporgenza albero dx o sx.

SYMMETRICAL POWER END for easy and quick right left side shaft conversion.

COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 4 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- **Versioni disponibili su richiesta con sistema di flussaggio tenute.**

CONSTRUCTION

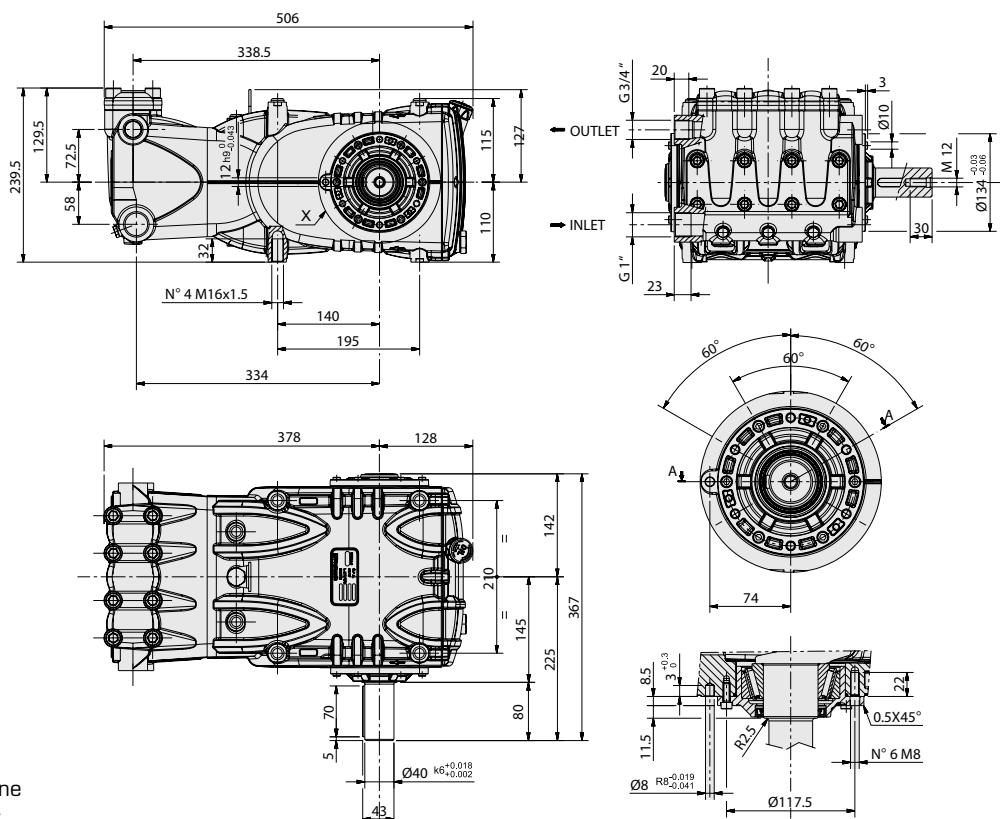
- Triplex plunger pump, available in 4 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- **Flushing systems available on request on selected versions.**

Tipo pompa Pump type	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	64
	38	10.1	500	50	7250	1000	50	36,8	64
HF 20	47	12.4	400	40	5800	1000	50	36,8	64
HF 22	57	15.0	350	35	5075	1000	50	36,8	64
HF 25	73	19.3	280	28	4060	1000	50	36,8	63

Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency

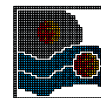
Dati tecnici arrotondati per facilità di lettura / *Technical data rounded for ease in readability*

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

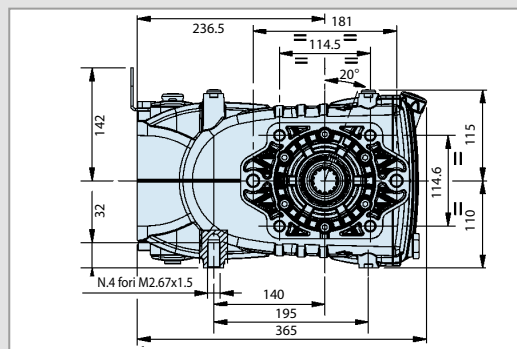
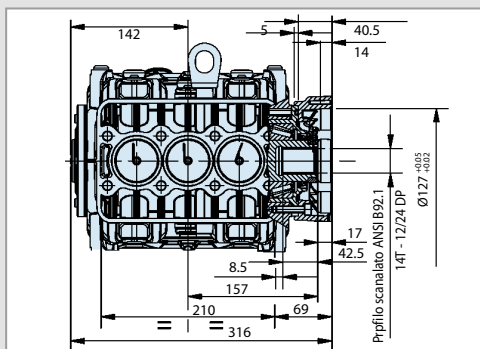


Scheda tecnica, esplosi,
manuali uso e manutenzione

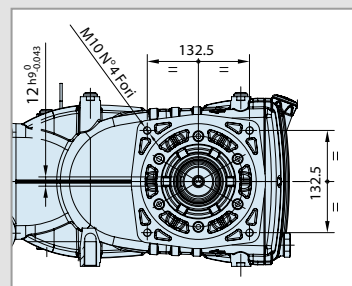
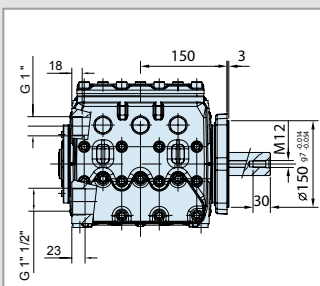
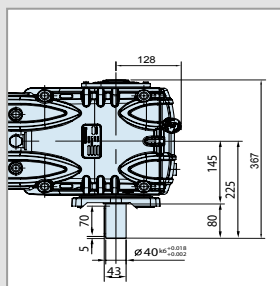
*Data sheet, exploded view,
repair & maintenance manuals*



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 - Flange for direct drive mount

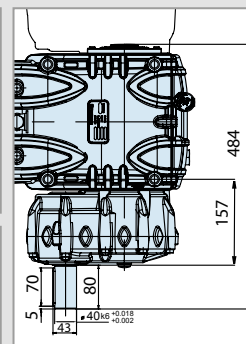
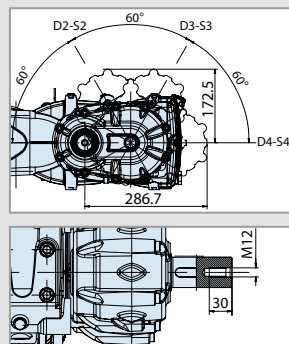


Riduttore - Gearbox



Le pompe HF sono disponibili su richiesta con riduttore di giri laterale. Il riduttore è disponibile in 3 rapporti ed installabile a dx o sx della pompa in 4 differenti angoli. Rapporti di riduzione:
 R=1,25:1 - R=1,50:1 - R=1,83:1

HF pumps can be supplied with a optional gearbox available in 3 different ratios. The gearbox can be mounted on the left or right side of the pump in 4 different angles, at customer choice. Gearbox ratios:
 R=1,25:1 - R=1,50:1 - R=1,83:1

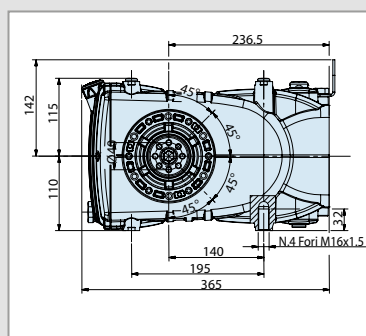
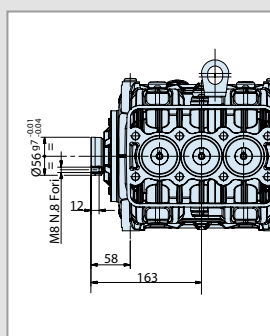


Predisposizione presa di forza ausiliaria opposta albero moto - Auxiliary P.T.O. opposite to shaft side

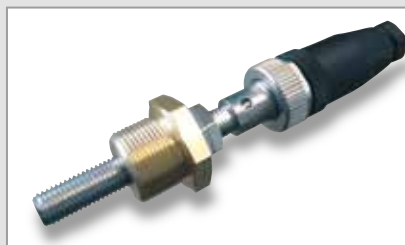


La coppia max è prelevabile anche con pompa a pieno carico (50hp sulla presa primaria).
 Max. torque is available also with pump at full load (50hp at the primary shaft).
 22 mm Max

	Coppia max Max torque (Nm)	Potenza max Max power (Hp)	rpm
Cinghie Pulley / belts	65	7,0	750
		7,4	800
		8,3	900
		9,3	1000
Giunto diretto Flex joint direct	130	14,0	750
		14,8	800
		16,6	900
		18,6	1000



Lettore di giri ZRPM1 - ZRPM1 Revolution counter



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

VFH series

50HP

COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 2 versioni.
- Sistema di raffreddamento pistoni e guarnizioni di pressione.
- Valvole aspirazione mandata coassiali.
- Lubrificazione a sbattimento.

CONSTRUCTION

- Triplex plunger pump, available in 2 versions.
- Pressure packing integrated cooling system.
- Coaxial suction / delivery valves.
- Splash lubrication.



CARTER SIMMETRICO per conversione rapida sporgenza albero dx o sx.

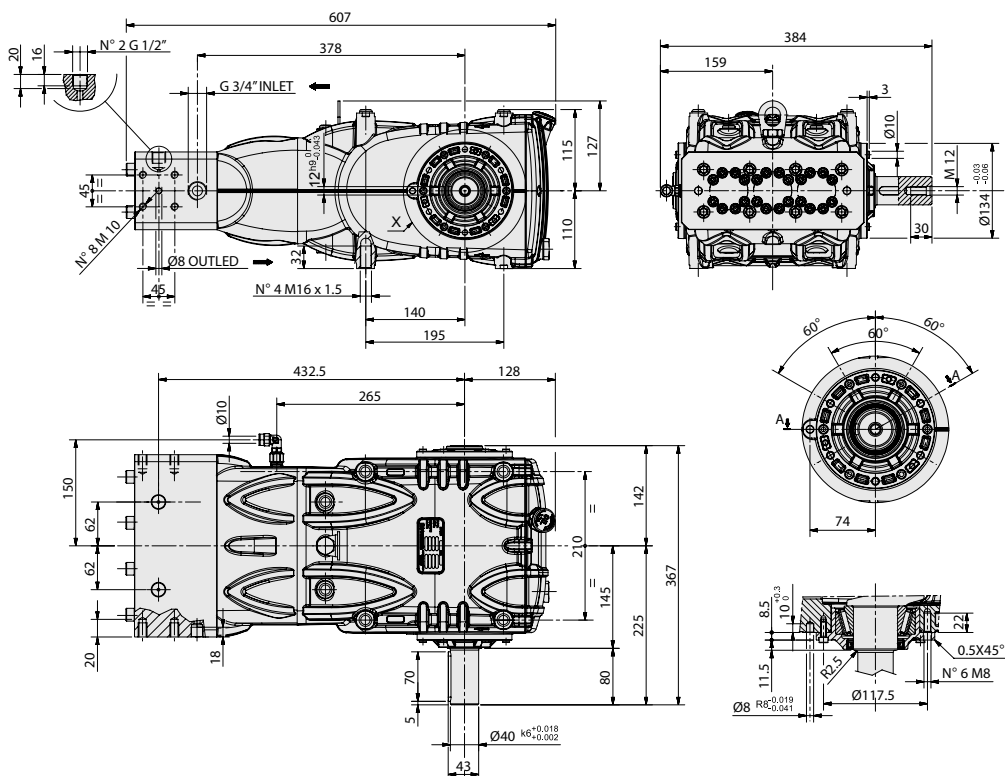
SYMMETRICAL POWER END for easy and quick right left side shaft conversion.

Tipo pompa Pump type	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	
VFH 12	12,5	3.3	1500	150	21750	750	50	36,8	65
	15	4.0	1200	120	17500	900	50	36,8	65
VFH 14	17	4.5	1100	110	16000	750	50	36,8	65
	23	6.0	800	80	11600	1000	50	36,8	65

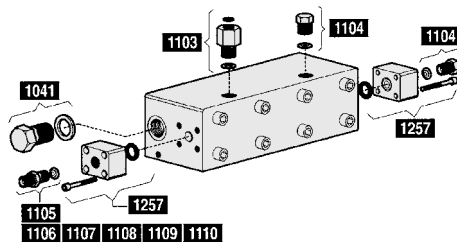
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency

Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



KIT DI CONNESSIONE - CONNECTION KIT

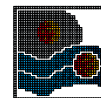


KIT1041	INLET	G 3/4"
KIT1103	OUTLET	G 1/2" HP - G 1/2"
KIT1104	OUTLET	G 1/2" HP
KIT1105	OUTLET	G 1/2" HP - G 1/4"
KIT1106	OUTLET	G 1/2" HP - G 3/8"
KIT1107	OUTLET	G 1/2" HP - M14x 1,5
KIT1108	OUTLET	G 1/2" HP - M20x 1,5
KIT1109	OUTLET	G 1/2" HP - M22x 1,5
KIT1110	OUTLET	G 1/2" HP - M24x 1,5
KIT1257	OUTLET	G 1/2" HP

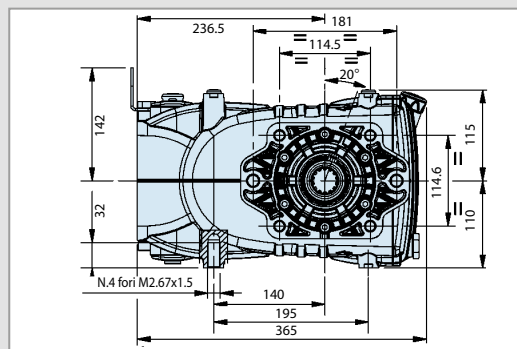
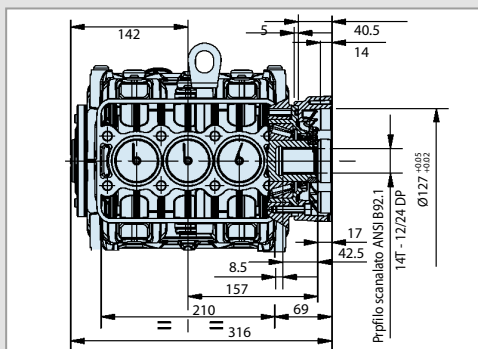
Suffix HP: Con pastiglia conica
Suffix HP: With conical seal



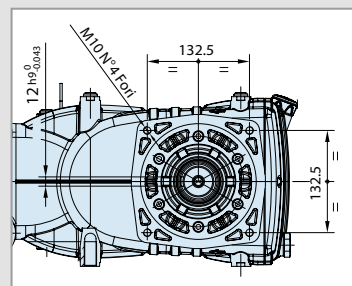
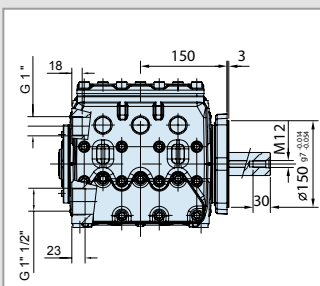
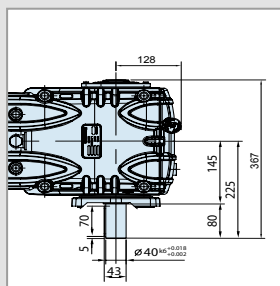
Scheda tecnica, esplosi,
manuali uso e manutenzione
Data sheet, exploded view,
repair & maintenance manuals



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 - Flange for direct drive mount

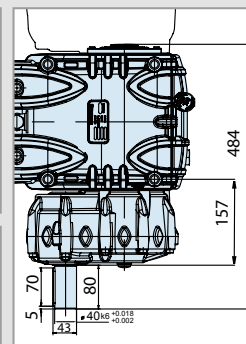
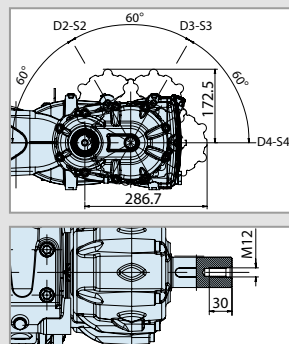


Riduttore - Gearbox



Le pompe VFH sono disponibili su richiesta con riduttore di giri laterale. Il riduttore è disponibile in 3 rapporti ed installabile a dx o sx della pompa in 4 differenti angoli. Rapporti di riduzione:
 R=1,25:1 - R=1,50:1 - R=1,83:1

*VFH pumps can be supplied with an optional gearbox available in 3 different ratios. The gearbox can be mounted on the left or right side of the pump in 4 different angles, at customer choice. Gearbox ratios:
 R=1,25:1 - R=1,50:1 - R=1,83:1*

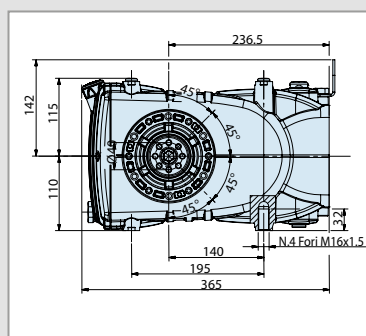
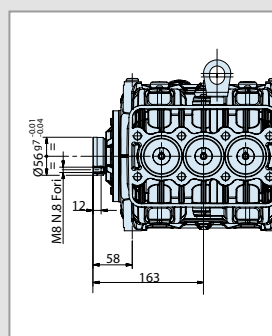


Predisposizione presa di forza ausiliaria opposta albero moto - Auxiliary P.T.O. opposite to shaft side

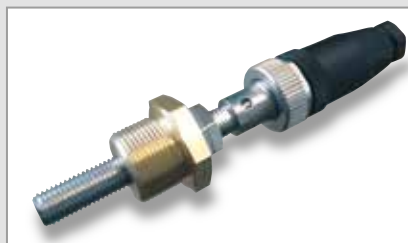


La coppia max è prelevabile anche con pompa a pieno carico (50hp sulla presa primaria).
 Max. torque is available also with pump at full load (50hp at the primary shaft).
 22 mm Max

	Coppia max Max torque (Nm)	Potenza max Max power (Hp)	rpm
Cinghie Pulley / belts	65	7,0	750
		7,4	800
		8,3	900
		9,3	1000
Giunto diretto Flex joint direct	130	14,0	750
		14,8	800
		16,6	900
		18,6	1000



Lettore di giri ZRPM1 - ZRPM1 Revolution counter



Alimentazione Power supply
12/24 VDC

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

KS series

75HP



CARTER SIMMETRICO per conversione rapida sporgenza albero dx o sx.

SYMMETRICAL POWER END for easy and quick right left side shaft conversion.

COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 4 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- Riduttore di giri laterale disponibile in 3 rapporti riduzione e posizionabile a destra o sinistra della pompa.
- Kit drenaggio tenute
- Versioni disponibili su richiesta con sistema di flussaggio tenute.

CONSTRUCTION

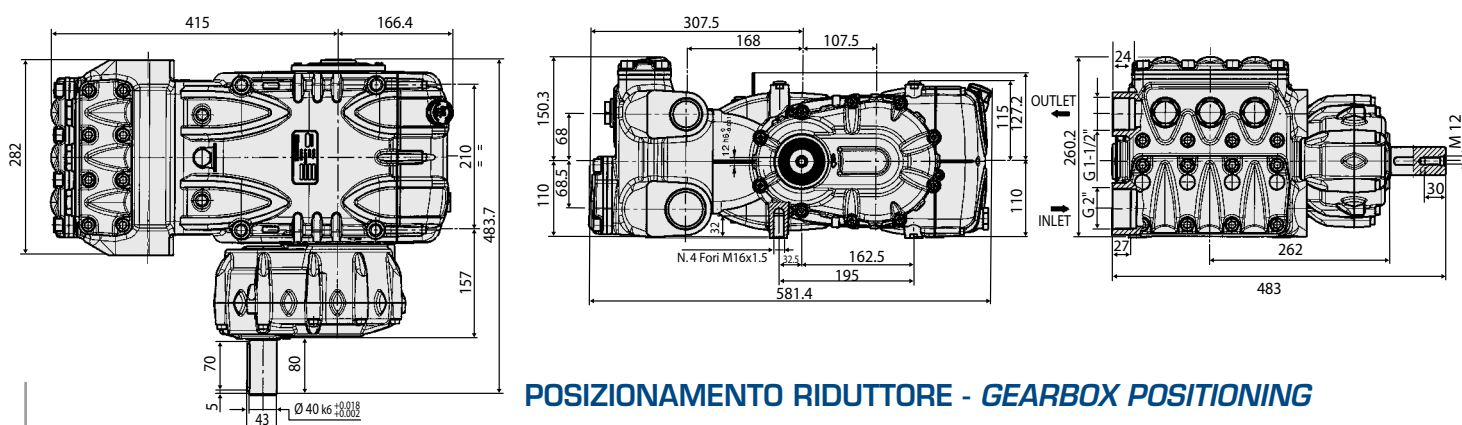
- Triplex plunger pump, available in 4 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- External gearbox available in 3 ratios and positionable on left or right side of the pump.
- Drain valve kit
- Flushing systems available on request on selected versions.

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore 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	3625	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	102
KS 40	226	59.7	140	14	2000	1500 / 1800 / 2200			75	55,0	98

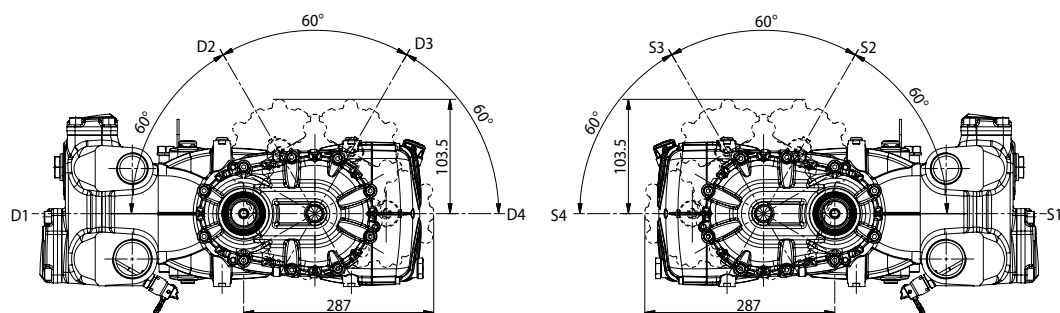
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency

Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

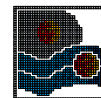
DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



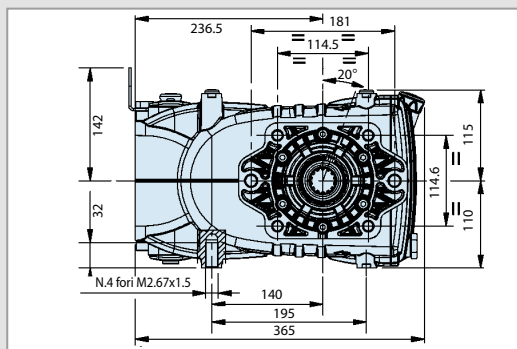
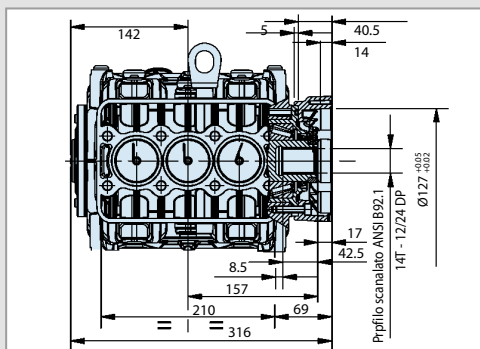
POSIZIONAMENTO RIDUTTORE - GEARBOX POSITIONING



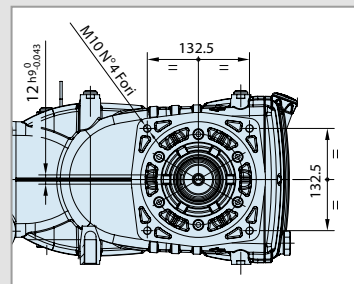
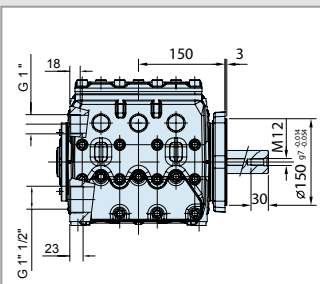
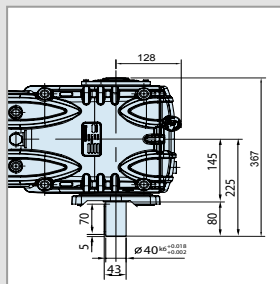
Scheda tecnica, esplosi,
manuali uso e manutenzione
Data sheet, exploded view,
repair & maintenance manuals



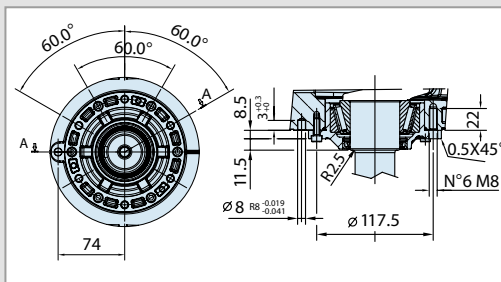
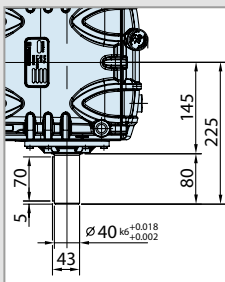
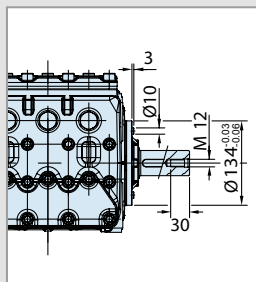
Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP
Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP



Flangia supporto per azionamenti diretti - Flange for direct drive mount



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

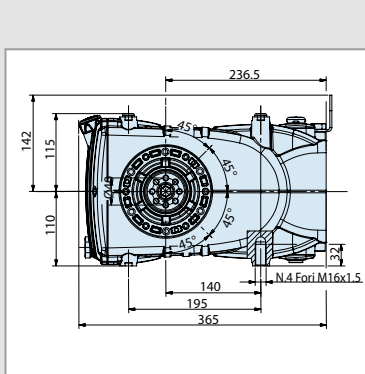
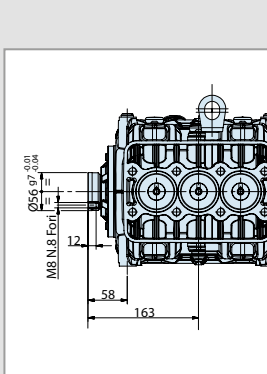


Predisposizione presa di forza ausiliaria opposta albero moto - Auxiliary P.T.O. opposite to shaft side

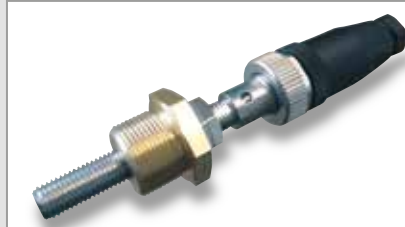


La coppia max è prelevabile anche con pompa a pieno carico (75hp sulla presa primaria).
 Max. torque is available also with pump at full load (75hp at the primary shaft).
 22 mm Max

	Coppia max Max torque (Nm)	Potenza max Max power (Hp)	rpm
Cinghie Pulley / belts	65	7,0	750
		7,4	800
		8,3	900
		9,3	1000
		11,1	1200
Giunto diretto Flex joint direct	130	14,0	750
		14,8	800
		16,6	900
		18,6	1000
		22,2	1200



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

75HP



CARTER SIMMETRICO per conversione rapida sporgenza albero dx o sx.

SYMMETRICAL POWER END for easy and quick right left side shaft conversion.

COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 3 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- Riduttore di giri laterale disponibile in 3 rapporti riduzione e posizionabile a destra o sinistra della pompa.
- Versioni disponibili su richiesta con sistema di flussaggio tenute.

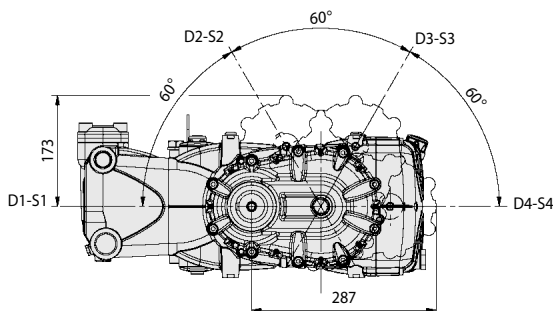
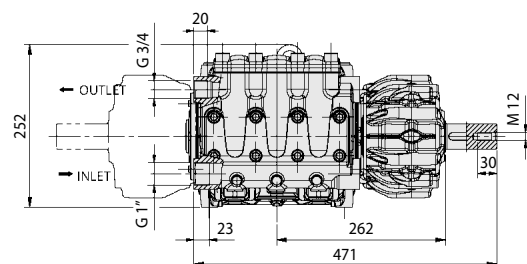
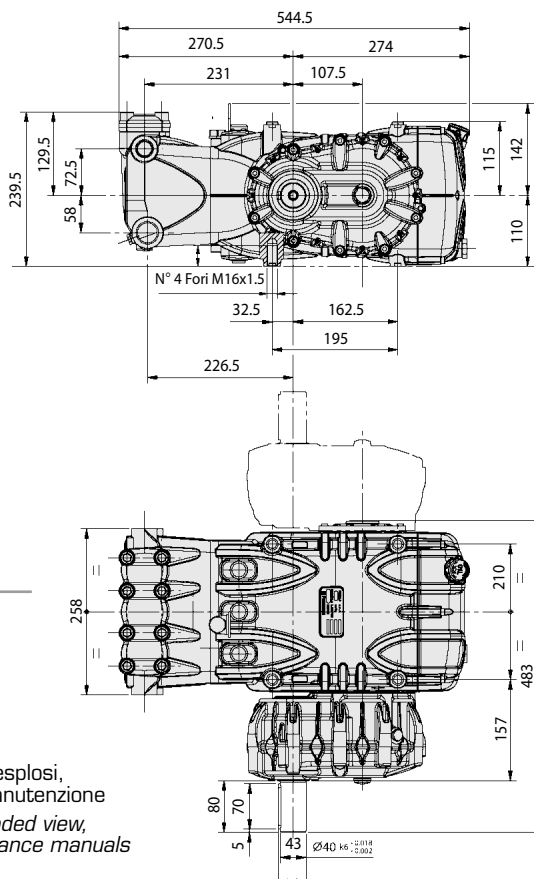
CONSTRUCTION

- Triplex plunger pump, available in 3 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- External gearbox available in 3 ratios and positionable on left or right side of the pump.
- Flushing systems available on request on selected versions.

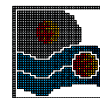
Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:1,25	1:1,5	1:1,83	hp	kW	
HS 18	45	11.9	600	60	8700	1500 / 1800 / 2200			70	51,5	80
HS 20	56	14.8	500	50	7250	1500 / 1800 / 2200			73	53,7	80
HS 22	68	18.0	400	40	5800	1500 / 1800 / 2200			71	52,2	79

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

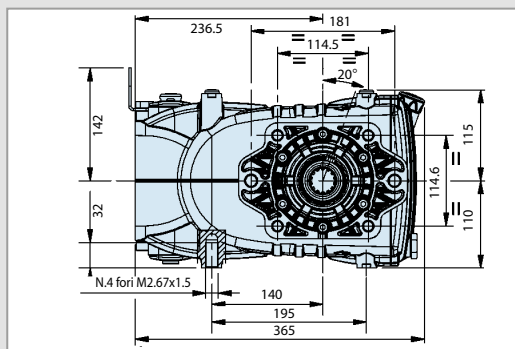
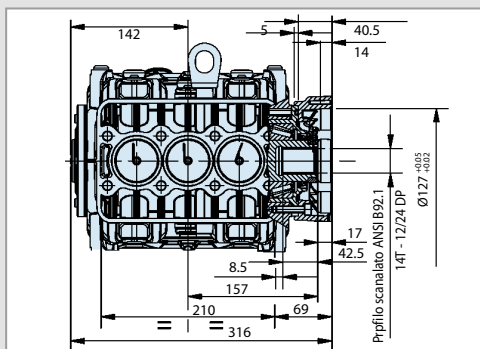
DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



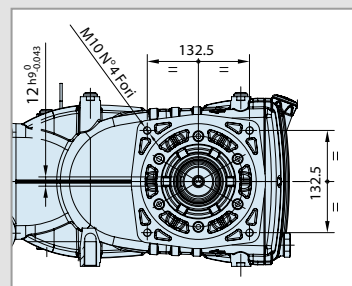
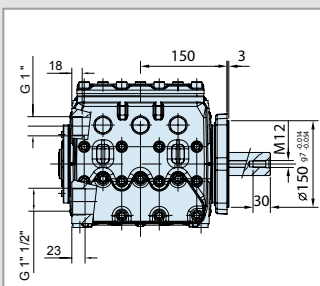
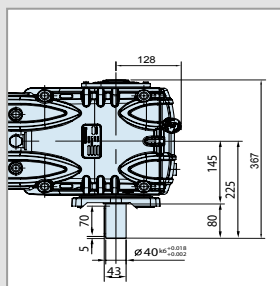
Scheda tecnica, esplosi,
manuali uso e manutenzione
Data sheet, exploded view,
repair & maintenance manuals



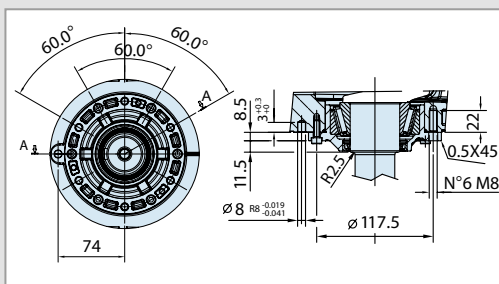
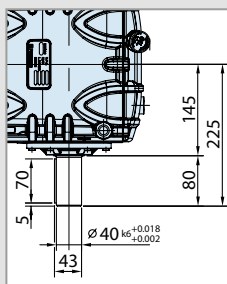
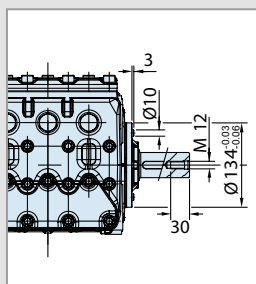
Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP
Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP



Flangia supporto per azionamenti diretti - Flange for direct drive mount



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

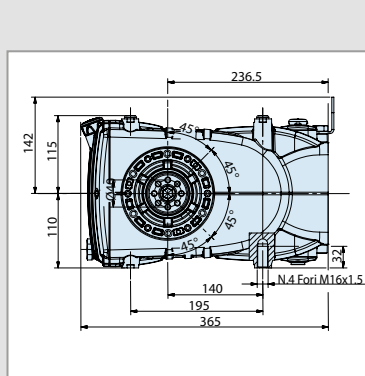
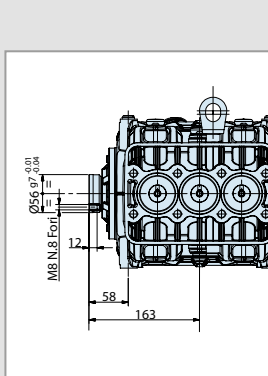


Predisposizione presa di forza ausiliaria opposta albero moto - Auxiliary P.T.O. opposite to shaft side



La coppia max è prelevabile anche con pompa a pieno carico (75hp sulla presa primaria).
 Max. torque is available also with pump at full load (75hp at the primary shaft).
 22 mm Max

	Coppia max Max torque (Nm)	Potenza max Max power (Hp)	rpm
Cinghie Pulley / belts	65	7,0	750
		7,4	800
		8,3	900
		9,3	1000
		11,1	1200
Giunto diretto Flex joint direct	130	14,0	750
		14,8	800
		16,6	900
		18,6	1000
		22,2	1200



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

75HP

COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 2 versioni.
- Sistema di raffreddamento tenuto integrato.
- Valvole aspirazione mandata coassiali.
- Lubrificazione a sbattimento.

CONSTRUCTION

- Triplex plunger pump, available in 2 versions.
- Integrated cooling system.
- Coaxial suction / delivery valves.
- Splash lubrication.



CARTER SIMMETRICO per conversione rapida sporgenza albero dx o sx.

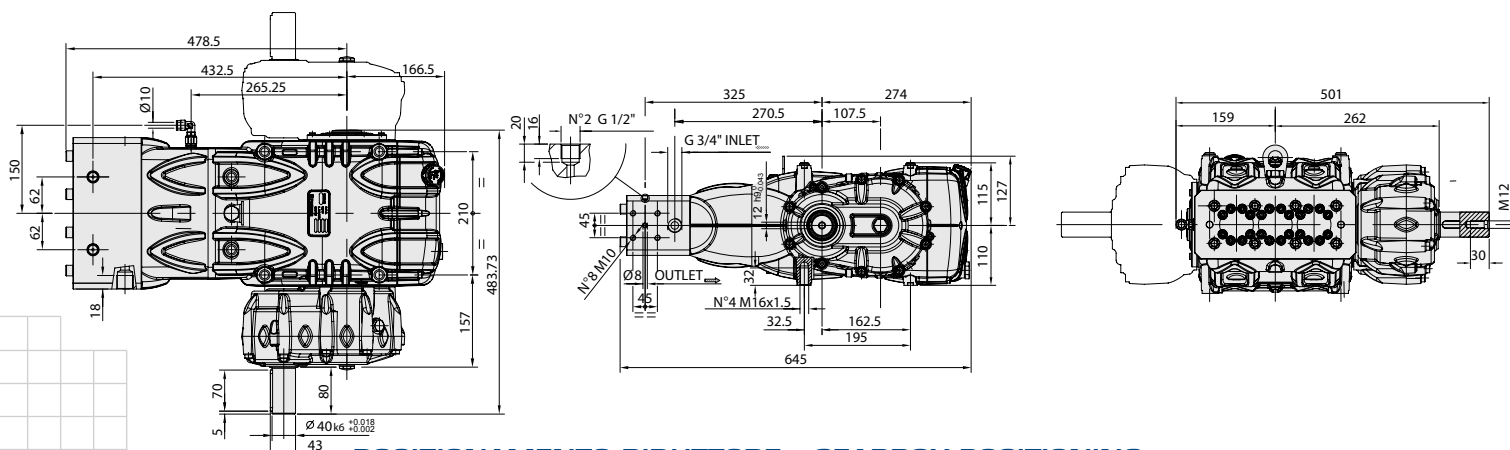
SYMMETRICAL POWER END for easy and quick right left side shaft conversion.

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore 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	
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

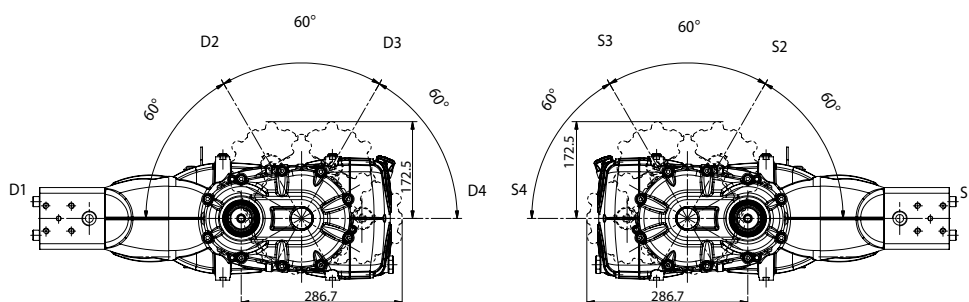
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency

Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

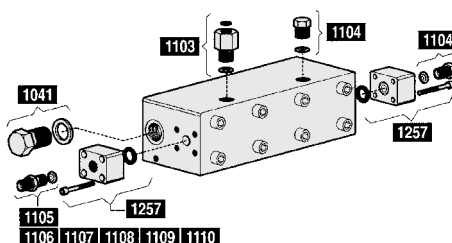
DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



POSIZIONAMENTO RIDUTTORE - GEARBOX POSITIONING



KIT DI CONNESSIONE - CONNECTION KIT

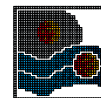


KIT1041	INLET	G 3/4"
KIT1103	OUTLET	G 1/2" HP - G 1/2"
KIT1104	OUTLET	G 1/2" HP
KIT1105	OUTLET	G 1/2" HP - G 1/4"
KIT1106	OUTLET	G 1/2" HP - G 3/8"
KIT1107	OUTLET	G 1/2" HP - M14x 1,5
KIT1108	OUTLET	G 1/2" HP - M20x 1,5
KIT1109	OUTLET	G 1/2" HP - M22x 1,5
KIT1110	OUTLET	G 1/2" HP - M24x 1,5
KIT1257	OUTLET	G 1/2" HP

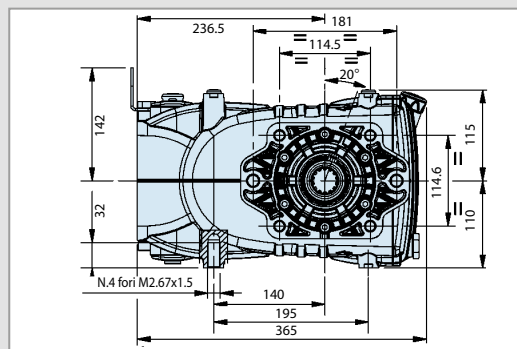
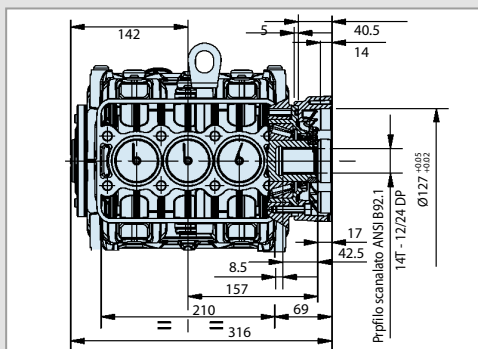
Suffix HP: Con pastiglia conica
Suffix HP: With conical seal



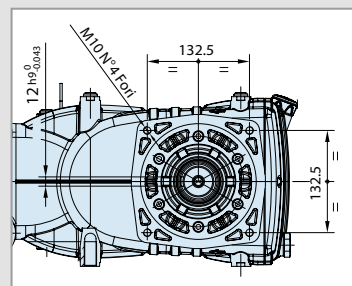
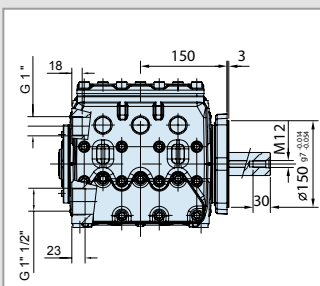
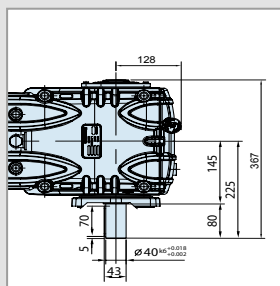
Scheda tecnica, esplosi,
manuali uso e manutenzione
Data sheet, exploded view,
repair & maintenance manuals



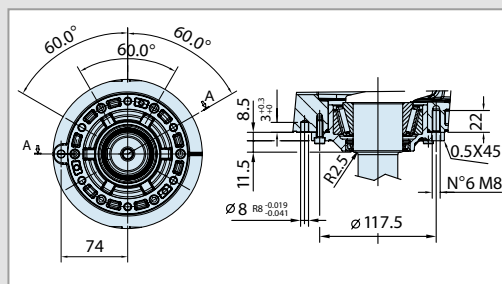
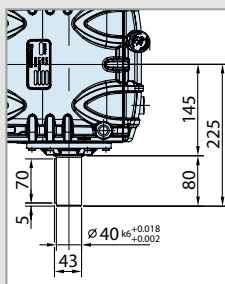
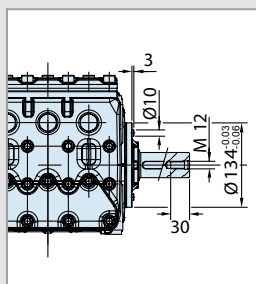
Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP
Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP



Flangia supporto per azionamenti diretti - Flange for direct drive mount



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

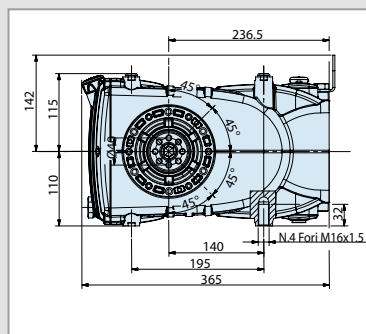
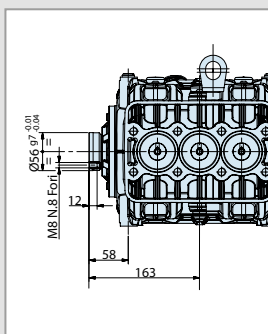


Predisposizione presa di forza ausiliaria opposta albero moto - Auxiliary P.T.O. opposite to shaft side



La coppia max è prelevabile anche con pompa a pieno carico (75hp sulla presa primaria).
 Max. torque is available also with pump at full load (75hp at the primary shaft).
 22 mm Max

	Coppia max Max torque (Nm)	Potenza max Max power (Hp)	rpm
Cinghie Pulley / belts	65	7,0	750
		7,4	800
		8,3	900
		9,3	1000
		11,1	1200
Giunto diretto Flex joint direct	130	14,0	750
		14,8	800
		16,6	900
		18,6	1000
		22,2	1200



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
 Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1

Alimentazione
Power supply

12/24 VDC

SYMMETRICAL POWER END for easy and quick right left side shaft conversion.

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 3 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- Riduttore di giri laterale disponibile in 4 rapporti riduzione e posizionabile a destra o sinistra della pompa.
- Kit drenaggio valvole.
- **Versioni disponibili su richiesta con sistema di flussaggio tenute.**

- Triplex plunger pump, available in 3 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- External gearbox available in 4 ratios and positionable on left or right side of the pump.
- Drain valve kit.
- **Flushing systems available on request on selected versions.**

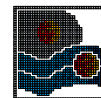
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability



Exploded view diagram of the engine assembly. The diagram shows the following components and their assembly relationships:

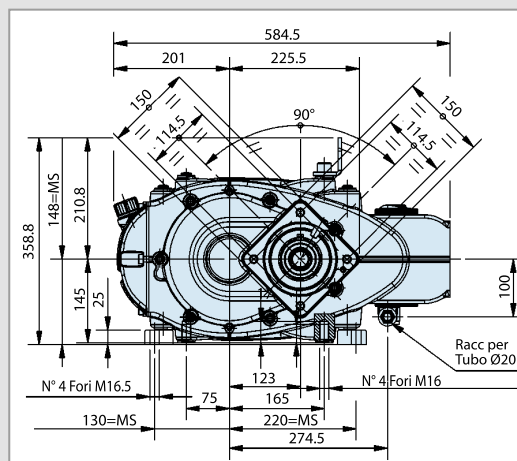
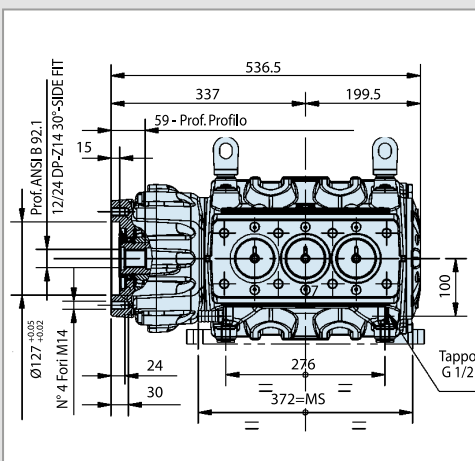
- 1150, 1173**: Two small cylindrical components that fit into the top of the main engine block.
- 1151, 1152, 1174**: A set of three components (two small cylinders and one larger flange) that fit into the top of the main engine block.
- 1156, 1177**: A set of two components (a small cylinder and a larger flange) that fit into the side of the main engine block.
- 1153, 1175**: A set of two components (a small cylinder and a larger flange) that fit into the side of the main engine block.
- 1155, 1176**: A set of two components (a small cylinder and a larger flange) that fit into the side of the main engine block.
- 1154**: A large, curved component that fits into the bottom of the main engine block.

KIT1150	OUTLET	G 1" 1/4
KIT1151	OUTLET	G 1" 1/4 - G 1" 1/2
KIT1152	OUTLET	G 1" 1/4 - G 1" 1/4
KIT1153	INLET	-
KIT1154	INLET	O.D. Ø 76 mm E
KIT1155	INLET	G 2" 1/2
KIT1156	INLET	O.D. Ø 76 mm E

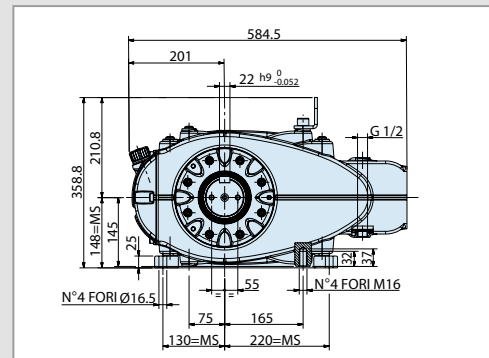
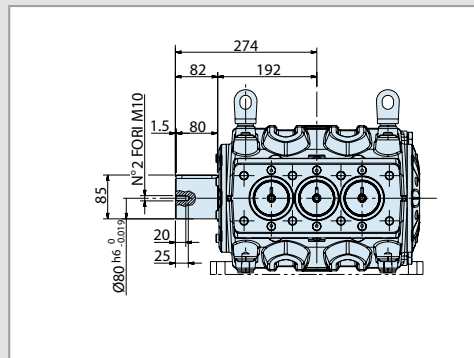


Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP
Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP

	1:1,87	1:2,24	1:2,72
r.p.m.	1500	1800	2200



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



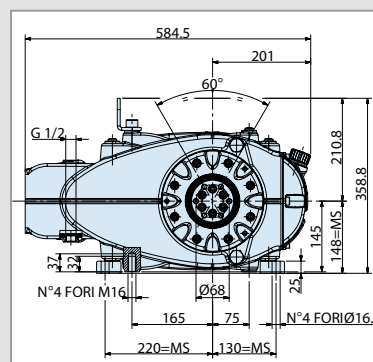
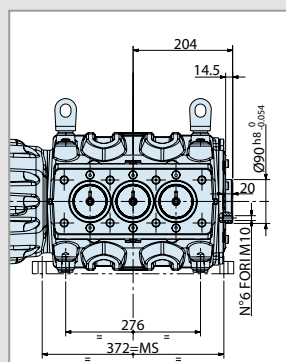
Predisposizione presa di forza ausiliaria opposta albero moto - Auxiliary P.T.O. opposite to shaft side



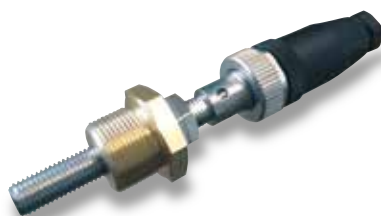
La coppia max è prelevabile anche con pompa a pieno carico (100hp sulla presa primaria).

Max. torque is available also with pump at full load (100hp at the primary shaft).

	Coppia max Max torque (Nm)	Potenza max Max power (Hp)	rpm
Cinghie Pulley / belts	150	17,0	800
Giunto diretto Flex joint direct	220	25,0	800



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

Inductive proximity sensor; c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1

Alimentazione
Power supply

12/24 VDC

MWHP series

100HP

CARTER SIMMETRICO per conversione rapida
sporgenza albero dx o sx.

SYMMETRICAL POWER END for easy and
quick right left side shaft conversion.



COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 3 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- Riduttore di giri laterale disponibile in 4 rapporti riduzione e posizionabile a destra o sinistra della pompa.
- Kit drenaggio valvole.
- Versioni disponibili su richiesta con sistema di flussaggio tenute.

CONSTRUCTION

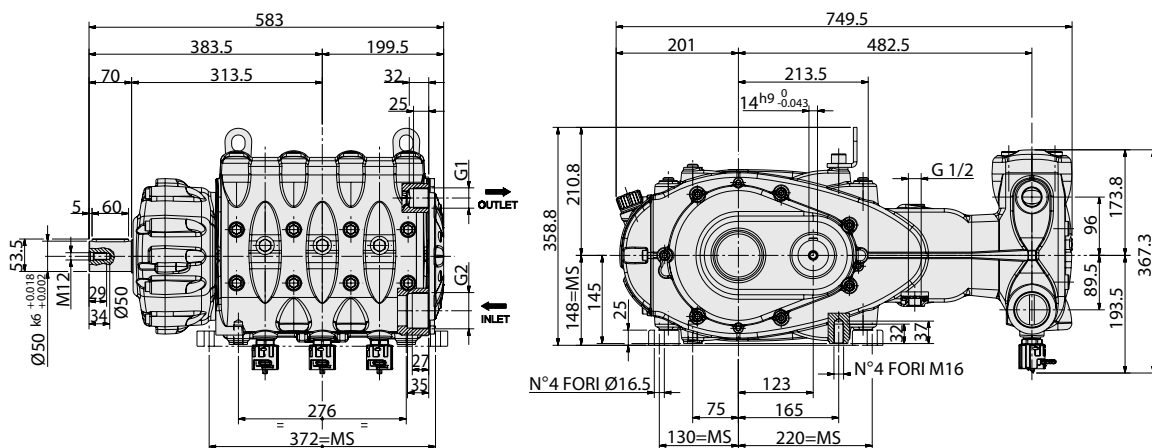
- Triplex plunger pump, available in 3 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- External gearbox available in 4 ratios and positionable on left or right side of the pump.
- Drain valve kit.
- Flushing systems available on request on selected versions.

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore 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				100	74	264
MW 36	171	45.2	240	24	3480	1500 / 1800 / 2200 / 2600				100	74	264
MW 40	211	55.7	210	21	3045	1500 / 1800 / 2200 / 2600				115	85	264

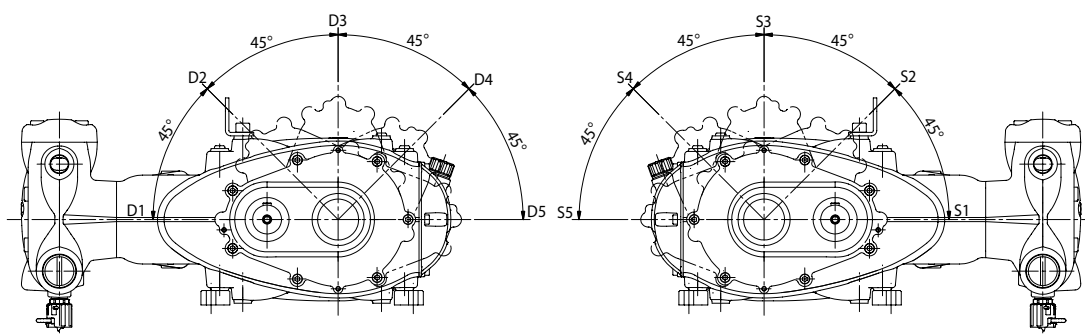
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency

Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



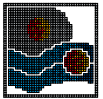
POSIZIONAMENTO RIDUTTORE - GEARBOX POSITIONING



ATEX
ON REQUEST

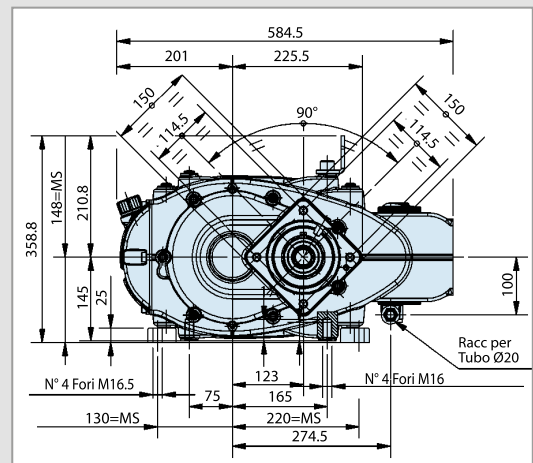
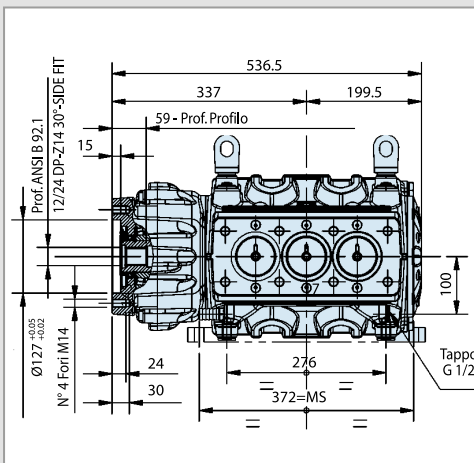


Scheda tecnica, esplosi,
manuali uso e manutenzione
Data sheet, exploded view,
repair & maintenance manuals

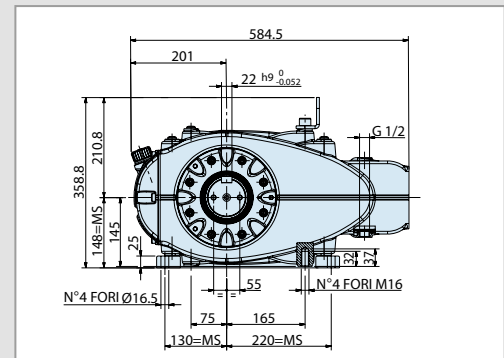
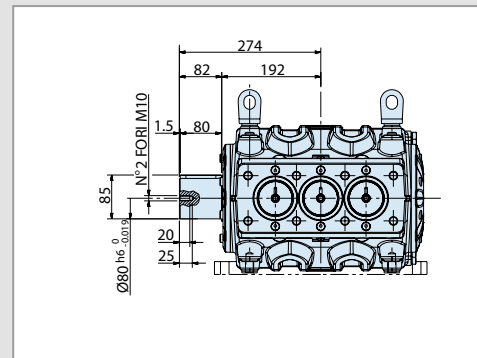


Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP
Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP

	1:1,87	1:2,24	1:2,72
r.p.m.	1500	1800	2200



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



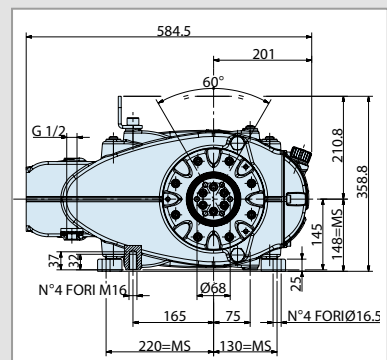
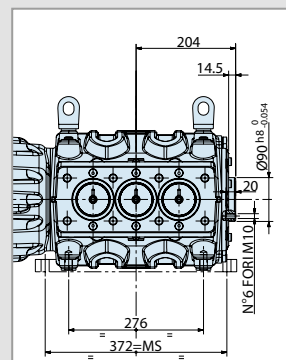
Predisposizione presa di forza ausiliaria opposta albero moto - Auxiliary P.T.O. opposite to shaft side



La coppia max è prelevabile anche con pompa a pieno carico (100hp sulla presa primaria).

Max. torque is available also with pump at full load (100hp at the primary shaft).

	Coppia max Max torque (Nm)	Potenza max Max power (Hp)	rpm
Cinghie Pulley / belts	150	17,0	800
Giunto diretto Flex joint direct	220	25,0	800



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

Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1

Alimentazione
Power supply

12/24 VDC

SM series

100HP

CARTER SIMMETRICO per conversione rapida
sporgenza albero dx o sx.

SYMMETRICAL POWER END for easy and
quick right left side shaft conversion.



COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 6 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- Riduttore di giri laterale disponibile in 4 rapporti riduzione e posizionabile a destra o sinistra della pompa.

CONSTRUCTION

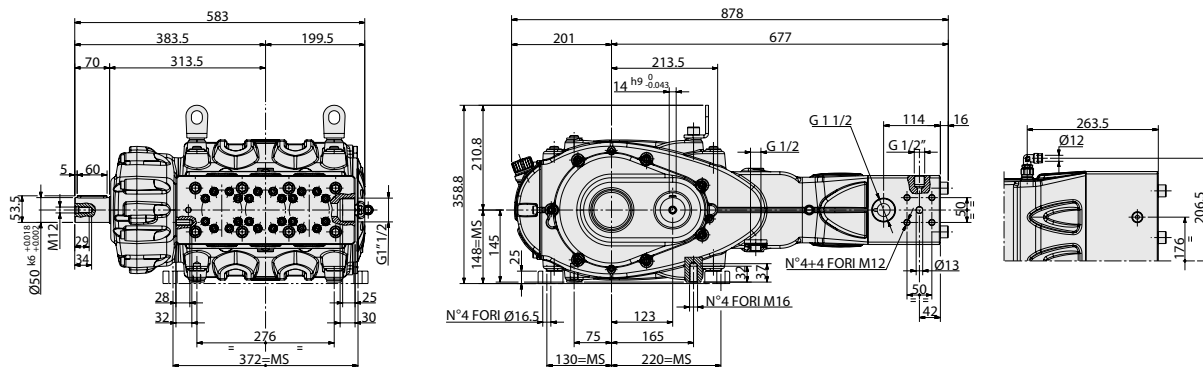
- Triplex plunger pump, available in 6 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- External gearbox available in 4 ratios and positionable on left or right side of the pump.

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore 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	
SM 14	26	6.9	1500	150	21750	1500 / 1800 / 2200 / 2600				101	74,0	264
SM 16	34	9.0	1200	120	17400	1500 / 1800 / 2200 / 2600				106	78,0	264
SM 18	43	11.4	900	90	13050	1500 / 1800 / 2200 / 2600				101	74,0	264
SM 20	53	14.0	750	75	10875	1500 / 1800 / 2200 / 2600				103	76,0	264
SM 22	64	16.9	600	60	8700	1500 / 1800 / 2200 / 2600				100	74,0	264
SM 24	76	20.1	500	50	7250	1500 / 1800 / 2200 / 2600				99	73,0	264

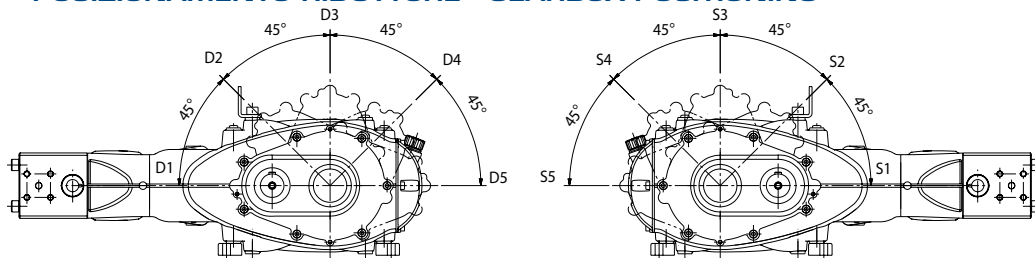
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency

Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

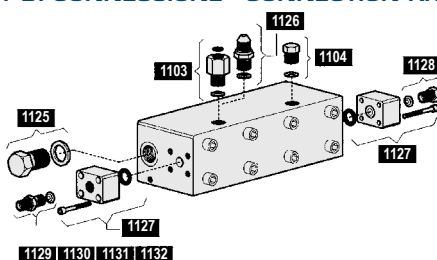
DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



POSIZIONAMENTO RIDUTTORE - GEARBOX POSITIONING



KIT DI CONNESSIONE - CONNECTION KIT

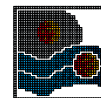


KIT1103	OUTLET	G 1/2" HP - G 1/2"
KIT1104	OUTLET	G 1/2" HP
KIT1125	INLET	G 1" 1/2
KIT1126	OUTLET	G 1/2" HP - 5/8"UNF
KIT1127	OUTLET	G 3/4" HP
KIT1128	OUTLET	G 3/4" HP
KIT1129	OUTLET	G 3/4" HP - G 3/8"
KIT1130	OUTLET	G 3/4" HP - M20x 1,5
KIT1131	OUTLET	G 3/4" HP - M22x 1,5
KIT1132	OUTLET	G 3/4" HP - M24x 1,5

Suffix HP: Con pastiglia conica
Suffix HP: With conical seal

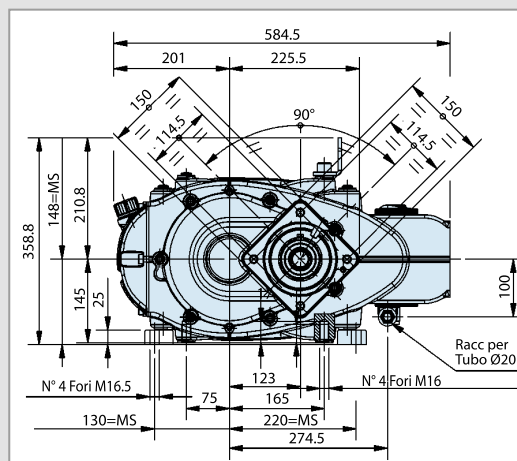
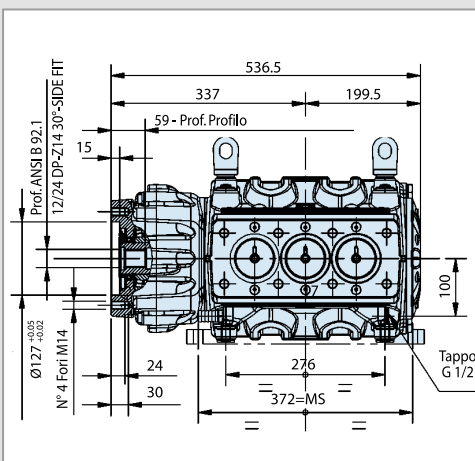


Scheda tecnica, esplosi,
manuali uso e manutenzione
Data sheet, exploded view,
repair & maintenance manuals

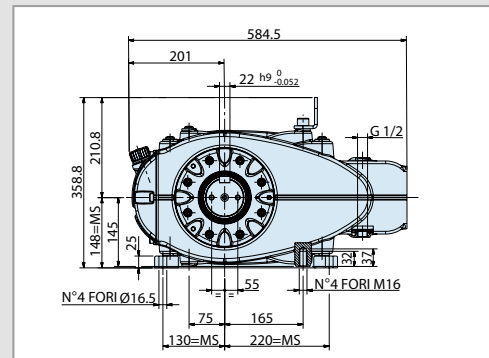
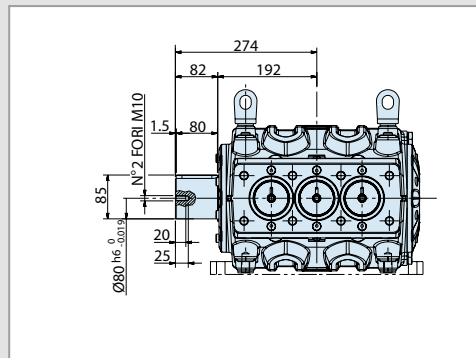


Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP
Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP

	1:1,87	1:2,24	1:2,72
r.p.m.	1500	1800	2200



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



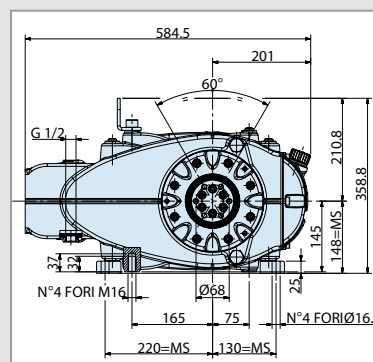
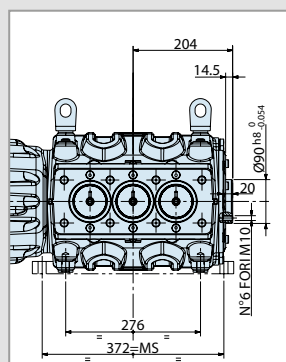
Predisposizione presa di forza ausiliaria opposta albero moto - Auxiliary P.T.O. opposite to shaft side



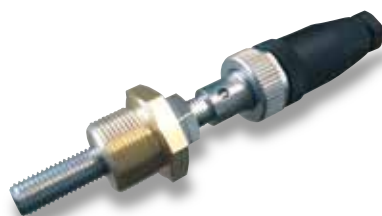
La coppia max è prelevabile anche con pompa a pieno carico (100hp sulla presa primaria).

Max. torque is available also with pump at full load (100hp at the primary shaft).

	Coppia max Max torque (Nm)	Potenza max Max power (Hp)	rpm
Cinghie Pulley / belts	150	17,0	800
Giunto diretto Flex joint direct	220	25,0	800



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

Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1

Alimentazione
Power supply

12/24 VDC

MKLP series

150HP



COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 3 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- Riduttore di giri laterale disponibile in 2 rapporti riduzione e posizionabile a destra o sinistra della pompa.
- Kit drenaggio valvole.
- Versioni disponibili su richiesta con sistema di flussaggio tenute.

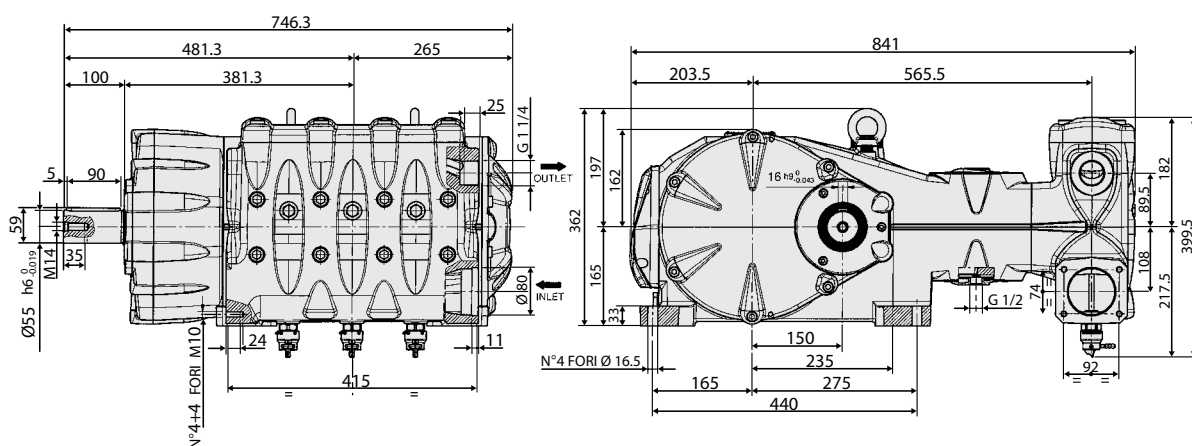
CONSTRUCTION

- Triplex plunger pump, available in 3 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- External gearbox available in 2 ratios and positionable on left or right side of the pump.
- Drain valve kit.
- Flushing systems available on request on selected versions.

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore r.p.m.		Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,65	1:3,29	hp	kW	
MK 55	290	76.6	200	20	2900	1500 / 1800		151	111	415
MK 60	346	91.4	170	17	2465	1500 / 1800		153	112	415
MK 65	406	107.3	150	15	2175	1500 / 1800		158	116	415

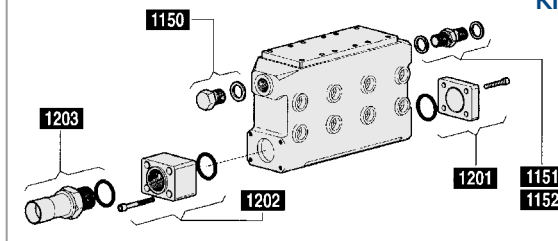
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

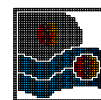


Scheda tecnica, esplosi,
manuali uso e manutenzione
Data sheet, exploded view,
repair & maintenance manuals

KIT DI CONNESSIONE - CONNECTION KIT

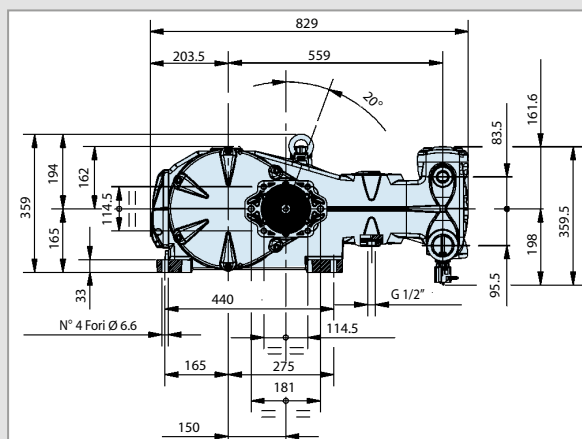
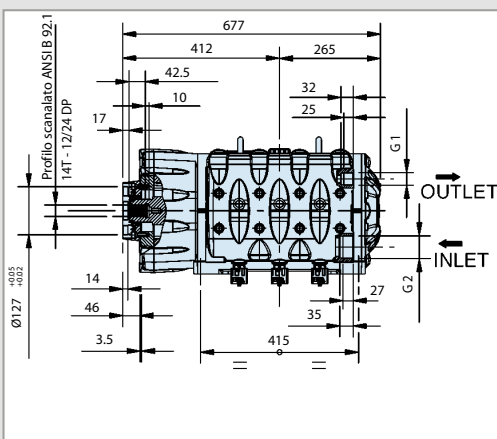


KIT1150	OUTLET	G 1" 1/4
KIT1151	OUTLET	G 1" 1/4 - G 1" 1/2
KIT1152	OUTLET	G 1" 1/4 - G 1" 1/4
KIT1201	INLET	-
KIT1202	INLET	G 3"
KIT1203	INLET	O.D. Ø 90 mm E



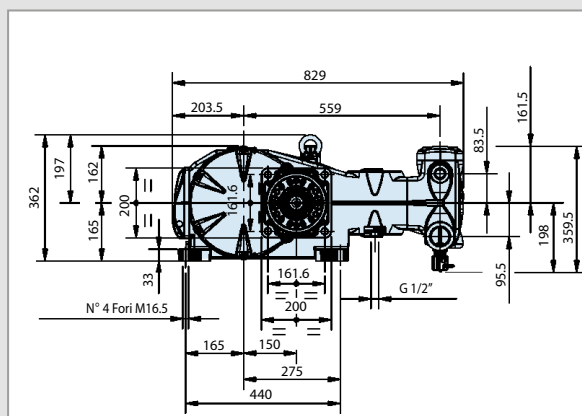
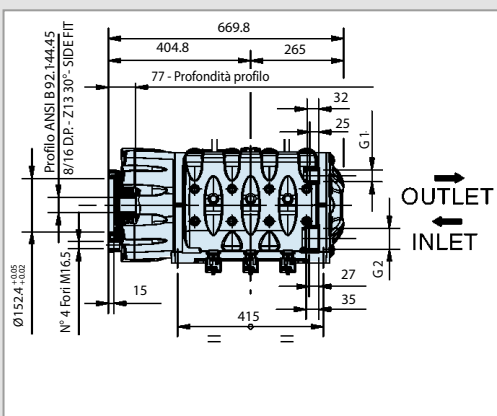
Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP
Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP

	1:3,73
r.p.m.	2050

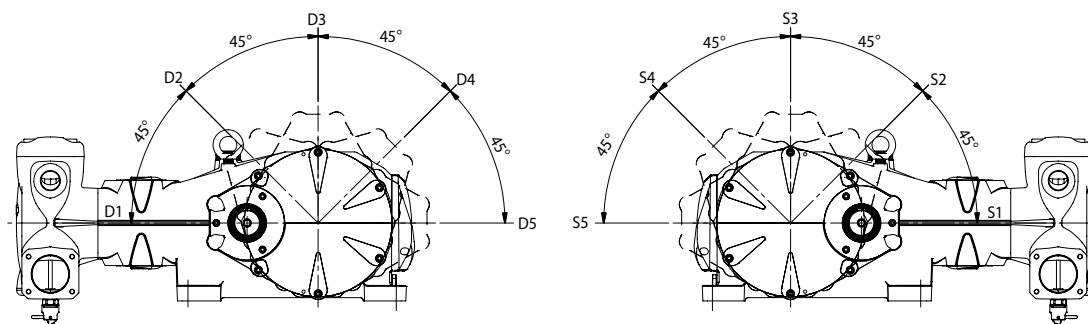


Predisposizione per motore idraulico SAE J744-D albero scanalato 13T 8/16 DP
Hydraulic motor mount SAE J744-D spline shaft 13T 30° 8/16 DP

	1:2,65
r.p.m.	1500



POSIZIONAMENTO RIDUTTORE - GEARBOX POSITIONING



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

Inductive proximity sensor; c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1

Alimentazione
Power supply

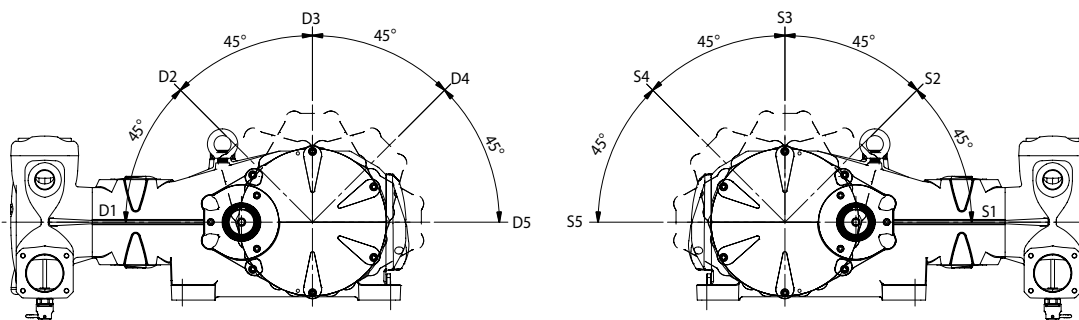
12/24 VDC

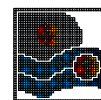
- Triplex plunger pump, available in 3 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- External gearbox available in 2 ratios and positionable on left or right side of the pump.
- Drain valve kit.
- **Flushing systems available on request on selected versions.**

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

[illegible]

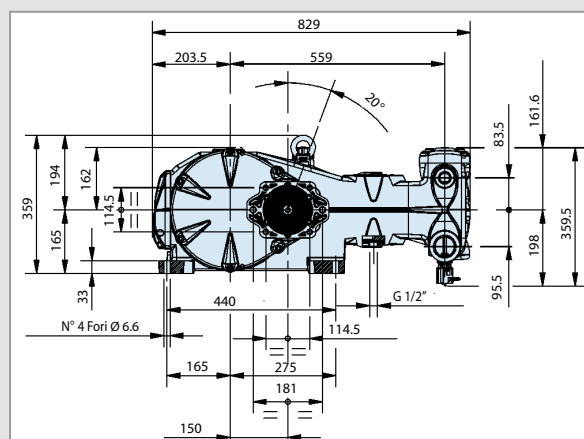
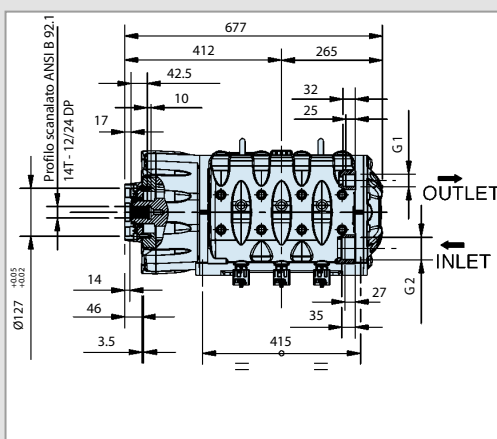
Scheda tecnica, esplosi,
manuali uso e manutenzione
*Data sheet, exploded view,
repair & maintenance manuals*





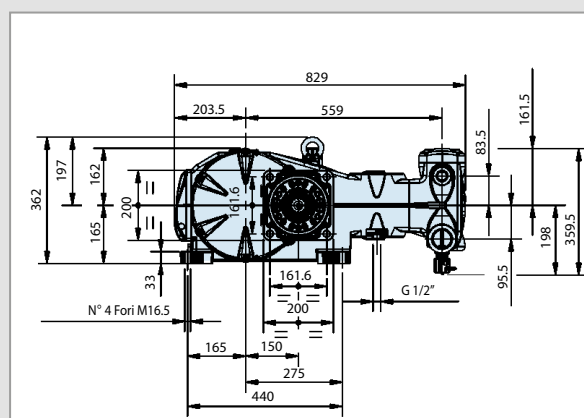
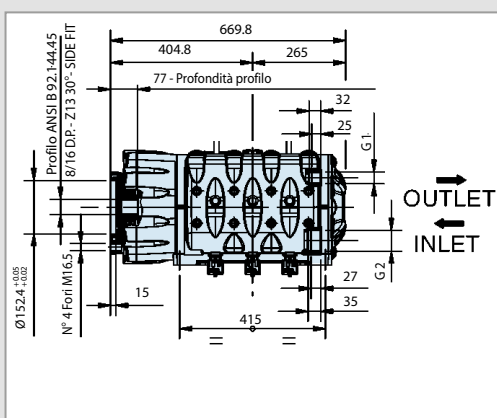
Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP
Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP

	1:3,73
r.p.m.	2050



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

	1:2,65
r.p.m.	1500



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

Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1

Alimentazione
Power supply

12/24 VDC

MF series
150HP

Manutenzione ordinaria facilitata grazie all'accesso frontale ai pistoni e alle tenute senza smontare la testata, così

CARTER SIMMETRICO per conversione rapida sporgenza albero dx o sx.

Maintenance can be a difficult task when the plumbing work is complicated or the access to the pump is limited. The MF line features front easy access to the plungers and packings, thus making the replacement a matter of minutes. Consistent weight reduction makes this pump serie one of the liqhest in its power class

CARTER SIMMETRICO per
conversione rapida sporgenza
albero dx o sx.

SYMMETRICAL POWER END for easy and quick right left side shaft conversion.

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

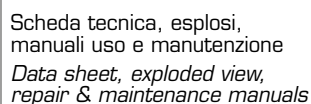
Technical drawing of the 307 pump, showing front and side views with dimensions in millimeters.

Front View Dimensions:

- Overall width: 583
- Distance from inlet to first valve: 70
- Distance between valves: 313.5
- Distance from last valve to outlet: 199.5
- Valve diameter: $\varnothing 66$
- Port size: G1 1/4
- Mounting bracket width: 53.5
- Mounting bracket hole diameter: $\varnothing 50$
- Mounting bracket hole offset: 13.4
- Mounting bracket hole diameter: M12
- Mounting bracket hole offset: 29
- Mounting bracket hole diameter: 60
- Mounting bracket hole offset: 12
- Overall height: 372
- Valve height: 276

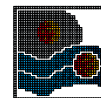
Side View Dimensions:

- Overall width: 770.5
- Distance from inlet to first valve: 201
- Distance between valves: 420.5
- Valve diameter: $\varnothing 14$
- Port size: G 1/2
- Mounting bracket width: 358.8
- Mounting bracket hole diameter: 210.8
- Mounting bracket hole offset: 148
- Mounting bracket hole diameter: 145
- Mounting bracket hole offset: 25
- Mounting bracket hole diameter: 130
- Mounting bracket hole offset: 75
- Mounting bracket hole diameter: 165
- Mounting bracket hole offset: 123
- Mounting bracket hole diameter: 220
- Mounting bracket hole offset: 439.5
- Overall height: 307
- Valve height: 163
- Valve height: 80
- Valve height: 95
- Valve height: 144
- Valve height: 72
- Valve height: 37
- Valve height: 30
- Valve height: 16



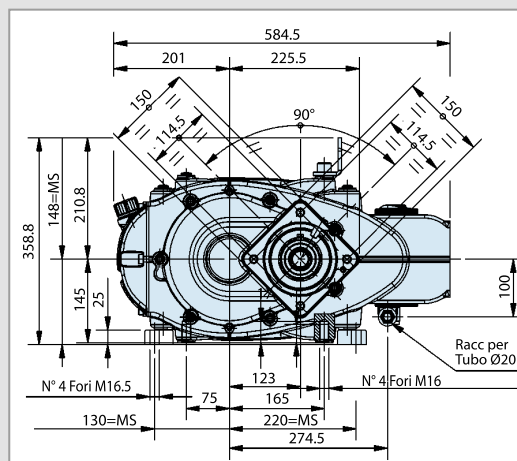
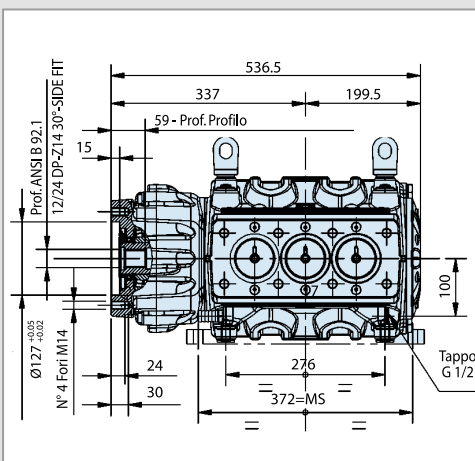
KIT DI CONNESSIONE - CONNECTION BLUE

KIT1150	OUTLET	G 1" 1/4
KIT1151	OUTLET	G 1" 1/4 - G 1" 1/2
KIT1152	OUTLET	G 1" 1/4 - G 1" 1/4
KIT1153	INLET	-
KIT1154	INLET	O.D. Ø 76 mm E
KIT1155	INLET	G 2" 1/2
KIT1156	INLET	O.D. Ø 76 mm E

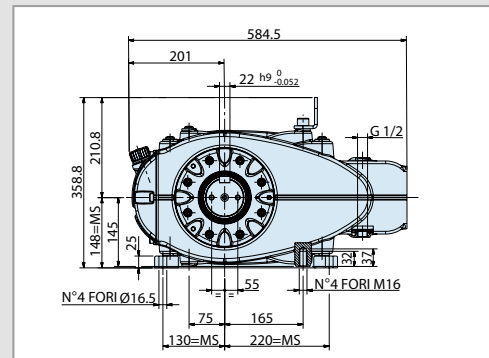
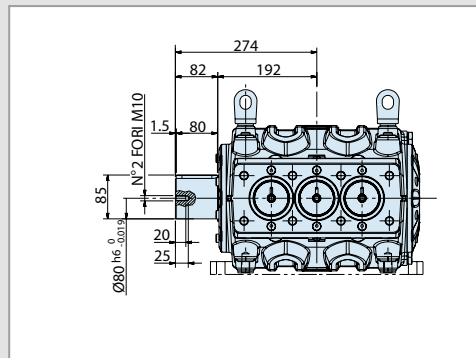


Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP
Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP

	1:1,87	1:2,24	1:2,72
r.p.m.	1500	1800	2200



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



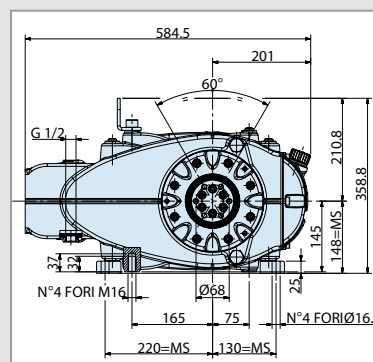
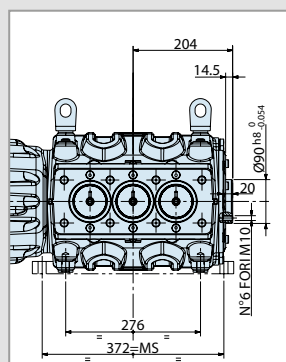
Predisposizione presa di forza ausiliaria opposta albero moto - Auxiliary P.T.O. opposite to shaft side



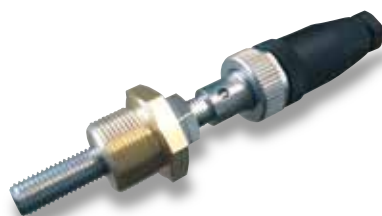
La coppia max è prelevabile anche con pompa a pieno carico (150 hp sulla presa primaria).

Max. torque is available also with pump at full load (150 hp at the primary shaft).

	Coppia max Max torque (Nm)	Potenza max Max power (Hp)	rpm
Cinghie Pulley / belts	150	17,0	800
Giunto diretto Flex joint direct	220	25,0	800



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

Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1

Alimentazione
Power supply

12/24 VDC

MKSLP series

180HP



COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 3 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- Riduttore di giri laterale disponibile in 3 rapporti riduzione e posizionabile a destra o sinistra della pompa.
- Kit drenaggio valvole.
- Versioni disponibili su richiesta con sistema di flussaggio tenute.

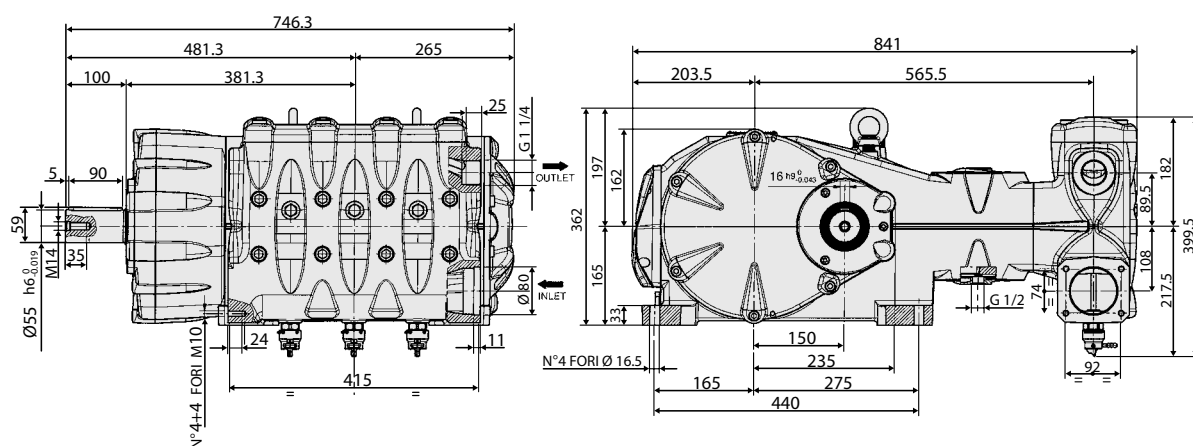
CONSTRUCTION

- Triplex plunger pump, available in 3 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- External gearbox available in 3 ratios and positionable on left or right side of the pump.
- Drain valve kit.
- Flushing systems available on request on selected versions.

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,22	1:2,65	1:3,29	hp	kW	
MKS 55	347	91.7	200	20	2900	1500 / 1800 / 2200			180	132,5	415
MKS 60	413	109.4	170	17	2465	1500 / 1800 / 2200			182	134,0	415
MKS 65	485	128.0	150	15	2175	1500 / 1800 / 2200			189	139,0	415

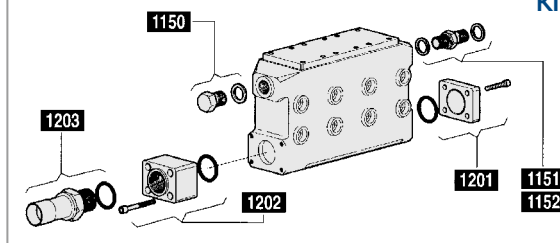
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency
 Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

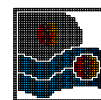


Scheda tecnica, esplosi,
manuali uso e manutenzione
 Data sheet, exploded view,
repair & maintenance manuals

KIT DI CONNESSIONE - CONNECTION KIT

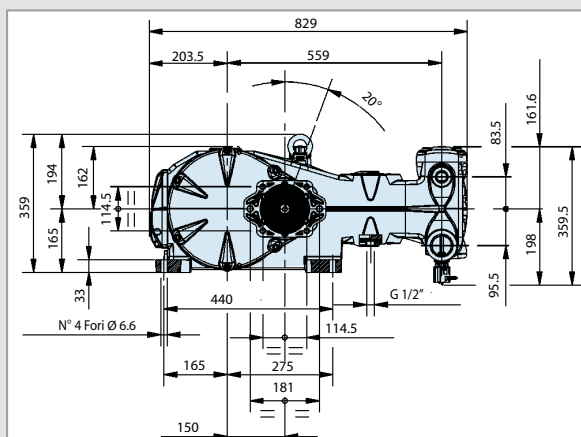
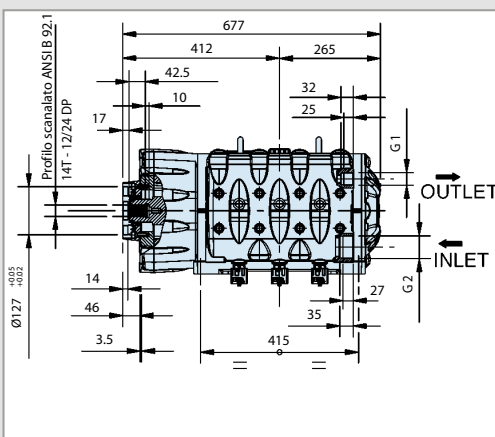


KIT1150	OUTLET	G 1" 1/4
KIT1151	OUTLET	G 1" 1/4 - G 1" 1/2
KIT1152	OUTLET	G 1" 1/4 - G 1" 1/4
KIT1201	INLET	-
KIT1202	INLET	G 3"
KIT1203	INLET	O.D. Ø 90 mm E



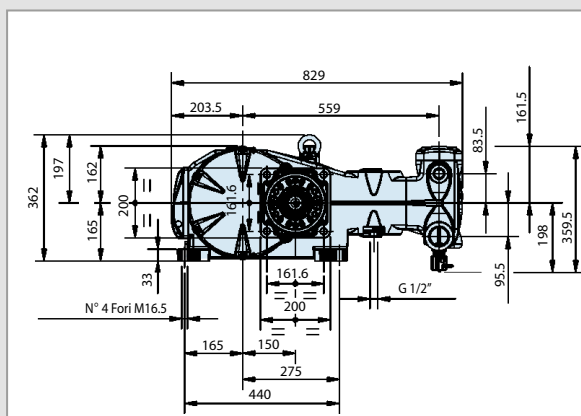
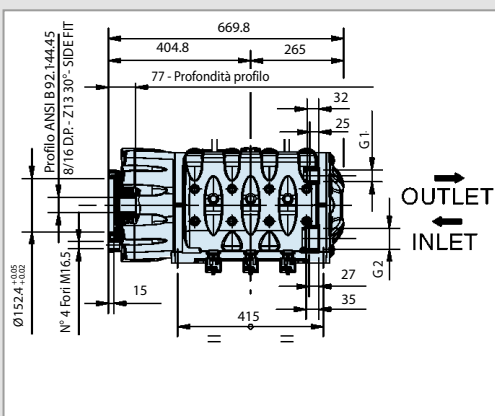
Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP
Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP

	1:3,73
r.p.m.	2500

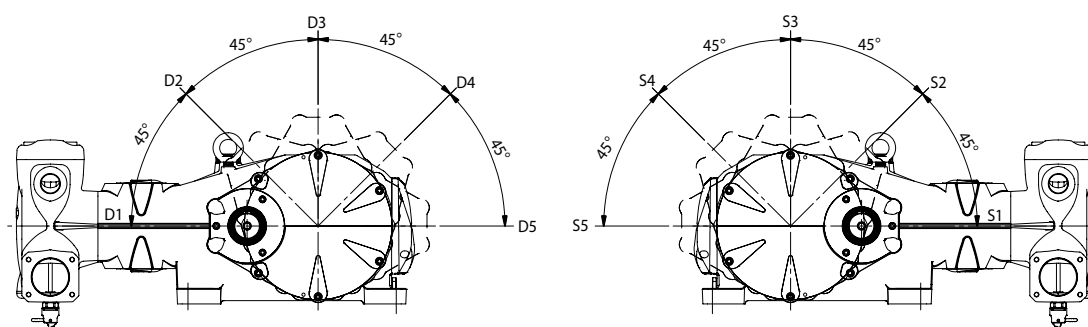


Predisposizione per motore idraulico SAE J744-D albero scanalato 13T 8/16 DP
Hydraulic motor mount SAE J744-D spline shaft 13T 30° 8/16 DP

	1:2,65
r.p.m.	1800



POSIZIONAMENTO RIDUTTORE - GEARBOX POSITIONING



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

Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1

Alimentazione
Power supply

12/24 VDC

MKSHP series

150HP



COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 3 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- Riduttore di giri laterale disponibile in 3 rapporti riduzione e posizionabile a destra o sinistra della pompa.
- Kit drenaggio valvole.
- Versioni disponibili su richiesta con sistema di flussaggio tenute.

CONSTRUCTION

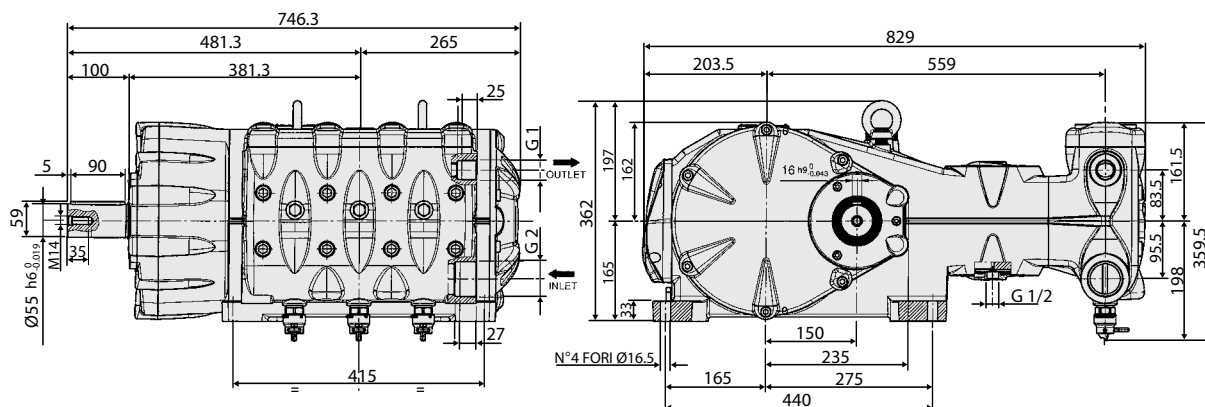
- Triplex plunger pump, available in 3 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- External gearbox available in 3 ratios and positionable on left or right side of the pump.
- Drain valve kit.
- Flushing systems available on request on selected versions.

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore r.p.m.			Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.	1:2,22	1:2,65	1:3,29	hp	kW	
MKS 40	183	48.4	400	40	5800	1500 / 1800 / 2200			190	140	400
MKS 45	232	61.3	300	30	4350	1500 / 1800 / 2200			181	133	400
MKS 50	287	75.8	250	25	3625	1500 / 1800 / 2200			186	137	400

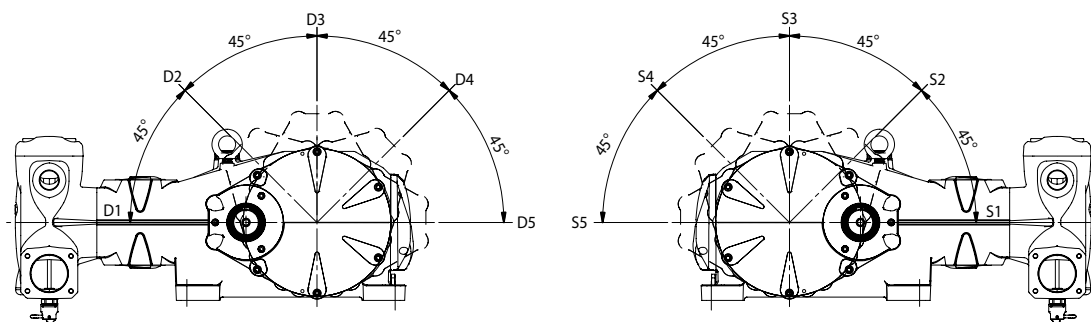
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency

Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

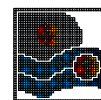
DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



POSIZIONAMENTO RIDUTTORE - GEARBOX POSITIONING

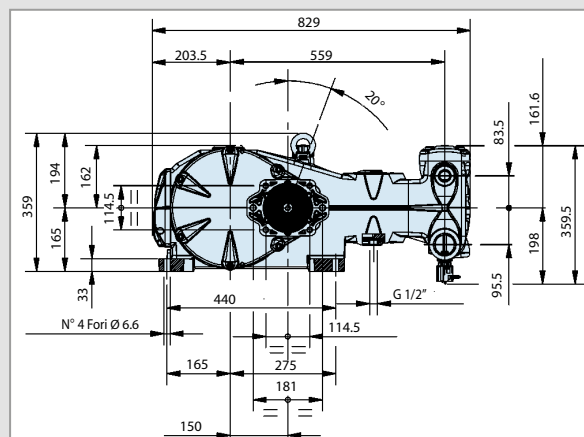
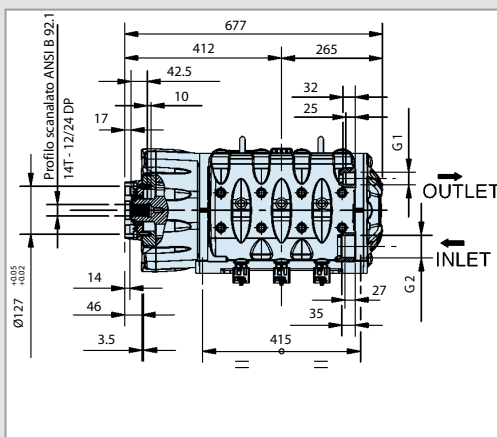


Scheda tecnica, esplosi,
manuali uso e manutenzione
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repair & maintenance manuals



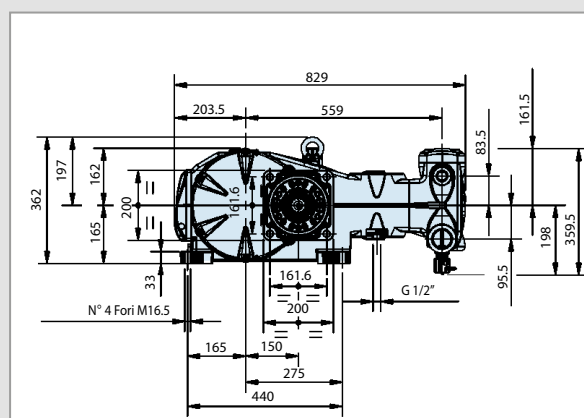
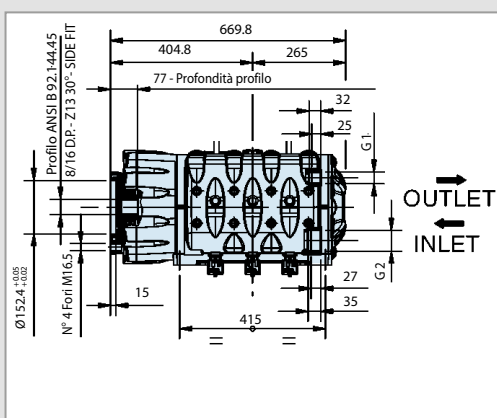
Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP
Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP

	1:3,73
r.p.m.	2500



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

	1:2,65
r.p.m.	1800



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

Inductive proximity sensor; c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1

Alimentazione
Power supply

12/24 VDC

180HP



LK 36 / LK 40 / LK 45

LK 50 / LK 55 / LK 60

COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 6 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- Riduttore di giri interno disponibile in 3 rapporti di riduzione
- Albero presa di moto doppia sporgenza
- Kit drenaggio valvole.
- **Versioni disponibili su richiesta con sistema di flussaggio tenute.**

CONSTRUCTION

- Triplex plunger pump, available in 6 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- Built-in gearbox available in 3 ratios
- Double PTO drive shaft
- Drain valve kit.
- **Flushing systems available on request on selected versions.**

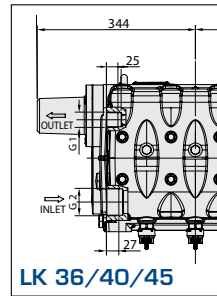
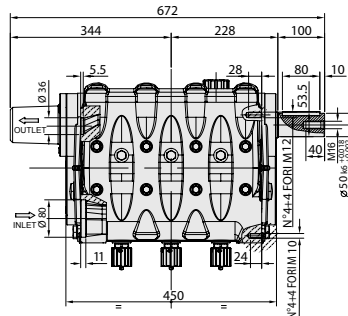
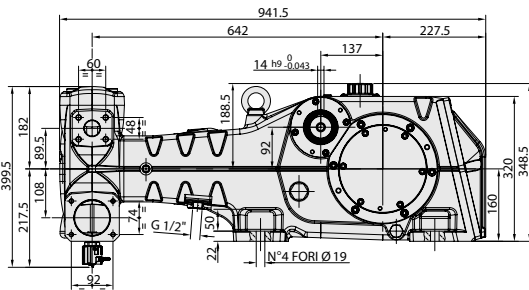
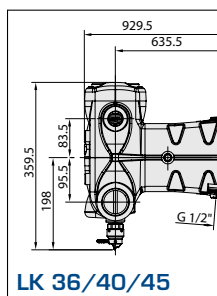
Tipo pompa Pump type	Portata/ Volume - Riduttore / Gearbox						Pressione Pressure			Potenza Power		Peso Weight
	1500 r.p.m.		1750 r.p.m.		1900 r.p.m.							
	1:2,95		1:3,158		1:3,389		bar	MPa	p.s.i.	hp	kW	kg
LK 36	140	37.0	152	40.2	154	40.7	400	40	5800	161	118	376
LK 40	173	45.7	188	49.7	190	50.2	350	35	5075	173	127	376
LK 45	218	57.6	238	62.9	241	63.7	280	28	4060	176	129	376
LK 50	269	71.1	294	77.7	297	78.5	230	23	3335	177	130	389
LK 55	326	86.1	355	93.8	360	95.1	190	19	2755	178	131	389
LK 60	388	102.5	423	111.8	428	113.1	160	16	2320	178	131	389

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

Disponibili versioni dedicate al pompaggio di glicole etilenico e trietilenico (EG e TEG). Applicazioni: disidratazione gas naturale, alimentazione B.O.P., test idrostatici.
Specialized version designed for ethylene and triethylene glycole (EG and TEG). Applications: gas dehydration, Blow Out Preventer charging, hydrostatic testing.

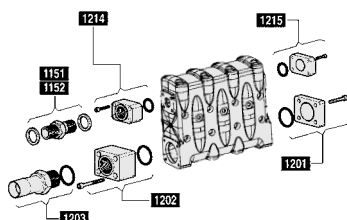
DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Scheda tecnica, esplosi,
manuali uso e manutenzione

*Data sheet, exploded view,
repair & maintenance manuals*

KIT DI CONNESSIONE - CONNECTION KIT



KIT1151	OUTLET	G 1" 1/4 - G 1" 1/2
KIT1152	OUTLET	G 1" 1/4 - G 1" 1/4
KIT1201	INLET	-
KIT1202	OUTLET	G 3"
KIT1203	OUTLET	O.D. Ø 90 mm E
KIT1214	OUTLET	G 1" 1/4
KIT1215	OUTLET	-

SKH series

180HP



COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 6 versioni.
- Doppia guarnizione pressione.
- Sistema di raffreddamento pistoni e guarnizioni di pressione.
- Valvole aspirazione mandata coassiali.
- Lubrificazione a sbattimento.
- Riduttore di giri interno disponibile in 2 rapporti.
- Albero presa di moto doppia sporgenza.

CONSTRUCTION

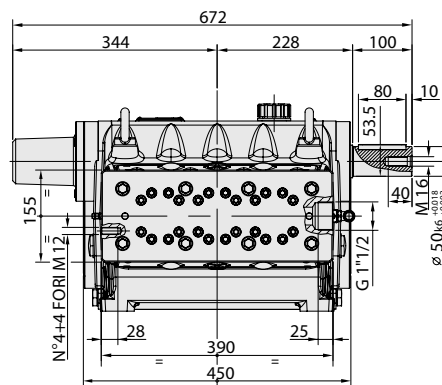
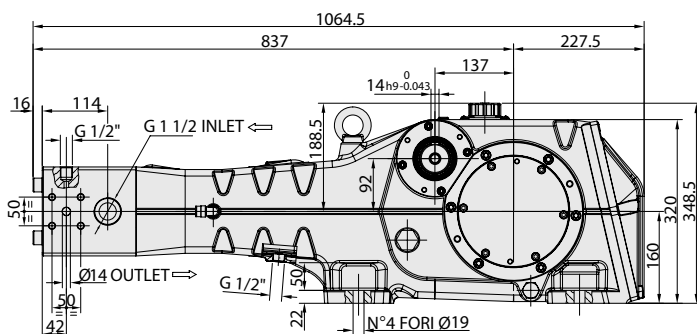
- Triplex plunger pump, available in 6 versions.
- Double pressure packings
- Pressure packing integrated cooling system.
- Coaxial suction / delivery valves.
- Splash lubrication.
- Built-in gearbox available in 2 ratios.
- Double PTO drive shaft.

Tipo pompa Pump type	Portata/ Volume - Riduttore /Gearbox				Pressione Pressure			Potenza Power				Peso Weight
	1500 r.p.m.		1750 r.p.m.		bar	MPa	p.s.i.	1500 r.p.m.		1750 r.p.m.		
	1:2,95		1:3,389					hp	kW	hp	kW	
	L/min	US Gpm	L/min	US Gpm								kg
SKH 20	43	11.4	44	11.6	1500	150	21750	168	123	171	126	398
SKH 22	52	13.7	53	14.0	1300	130	18850	176	129	179	132	398
SKH 24	62	16.4	63	16.6	1100	110	15950	177	130	180	132	398
SKH 26	73	19.3	74	19.6	900	90	13050	171	126	173	127	393
SKH 28	84	22.3	86	22.7	800	80	11600	175	128	179	132	393
SKH 30	96	25.4	98	25.9	700	70	10150	175	128	178	131	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

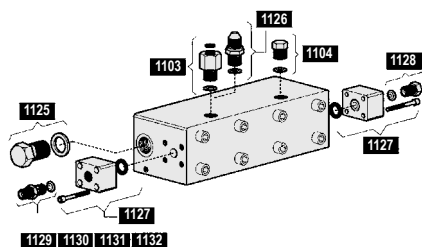
DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



Scheda tecnica, esplosi,
manuali uso e manutenzione

Data sheet, exploded view,
repair & maintenance manuals

KIT DI CONNESSIONE - CONNECTION KIT



KIT1103	OUTLET	G 1/2" HP - G 1/2"
KIT1104	OUTLET	G 1/2" HP
KIT1125	INLET	G 1" 1/2
KIT1126	OUTLET	G 1/2" HP - 5/8" UNF
KIT1127	OUTLET	G 3/4" HP
KIT1128	OUTLET	G 3/4" HP
KIT1129	OUTLET	G 3/4" HP - G 3/8"
KIT1130	OUTLET	G 3/4" HP - M20x1,5
KIT1131	OUTLET	G 3/4" HP - M22x1,5
KIT1132	OUTLET	G 3/4" HP - M24x1,5

Suffix HP: Con pastiglia conica
Suffix HP: With conical seal

SR LP series

300HP



COSTRUZIONE

- Pompa a 3 pistoni tuffanti, disponibile in 6 cilindrata.
- Allestimento orizzontale o verticale.
- Albero presa moto doppia sporgenza.
- Riduttore di giri incorporato.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione e mandata a piattello guidato.
- Lubrificazione forzata mediante pompa olio completa di manometro, pressostato minima, intercooler acqua/olio, filtro.

CONSTRUCTION

- Triplex plunger pump, available in 6 different displacements.
- Vertical or horizontal configuration.
- Double p.t.o. drive shaft.
- Incorporated gear box.
- Low-high pressure packing design with integrated cooling system.
- Guided suction and delivery disc-style valves.
- Forced lubrication by incorporated oil pump, complete with pressure gauge, pressure switch, oil/water intercooler, oil filter.

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore / Gear box 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	1220
SR 55	333	88	350	35	5075	1500 / 1800 / 2200			303	223	1220
SR 60	397	105	300	30	4350	1500 / 1800 / 2200			309	227	1220
SR 65	466	123	250	25	3625	1500 / 1800 / 2200			302	222	1215
SR 70	540	143	220	22	3190	1500 / 1800 / 2200			309	227	1215
SR 75	620	164	200	20	2900	1500 / 1800 / 2200			322	237	1215

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

Disponibili versioni dedicate al pompaggio di glicole etilenico e trietilenico (EG e TEG). Applicazioni: disidratazione gas naturale, alimentazione B.O.P, test idrostatici.
Specialized version designed for ethylene and triethylene glycol (EG and TEG). Applications: gas dehydration, Blow Out Preventer charging, hydrostatic testing.

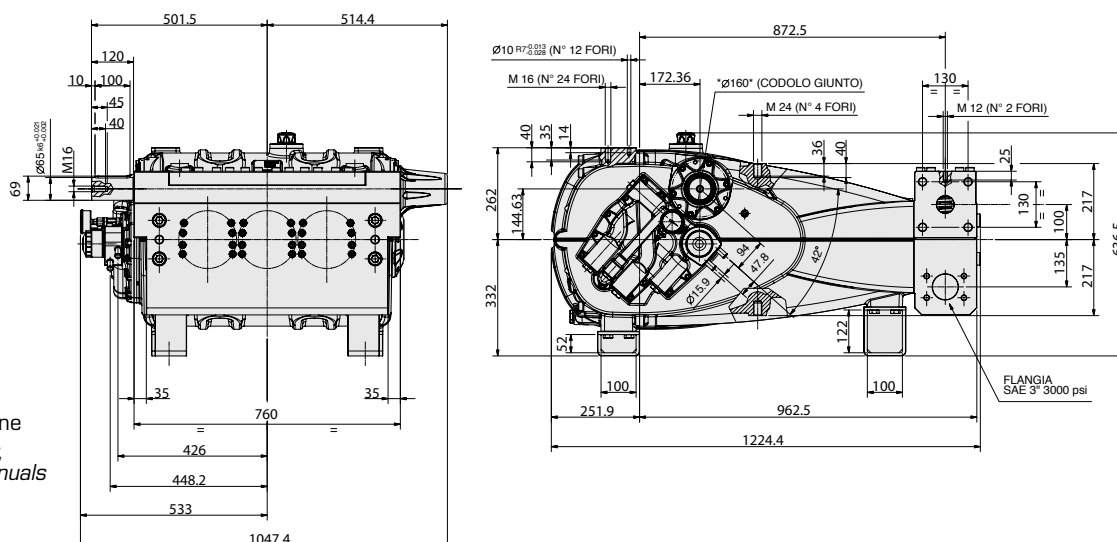
DIMENSIONI D'INGOMBRO ALLESTIMENTO ORIZZONTALE OVERALL DIMENSIONS HORIZONTAL CONFIGURATION

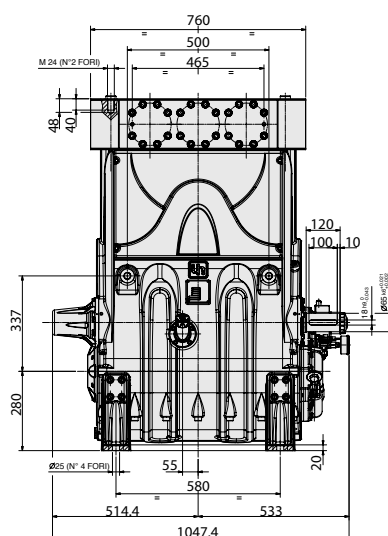


ATEX
ON REQUEST



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



[illegible]

This exploded view diagram illustrates the assembly of a 12V 100Ah battery. The central component is the battery unit, which is surrounded by various mounting and terminal components. The parts are labeled with their respective part numbers:

- 2285**: Mounting bracket (top left).
- 2281**, **2282**, **2283**, **2284**: Terminal components (top left).
- 2299**: Mounting bracket (bottom left).
- 2286**, **2287**, **2288**, **2289**, **2290**, **2291**, **2292**, **2293**, **2294**, **2295**, **2296**, **2297**: Various terminal and mounting components (bottom center).
- 2298**: Mounting bracket (top right).
- 2279**, **2280**: Mounting components (middle right).
- 2300**, **2301**, **2302**, **2303**, **2304**, **2305**, **2306**, **2307**, **2308**, **2309**, **2310**, **2311**: Various terminal and mounting components (bottom right).

KIT2279	INLET	SAE 3000 Flange Plug
KIT2280	INLET	SAE 3000 Flange Plug
KIT2281	INLET	G 3"
KIT2282	INLET	G 3"
KIT2283	INLET	NPT 3"
KIT2284	INLET	NPT 3"
KIT2285	OUTLET	Flange Plug
KIT2286	OUTLET	SAE 6000 G 1" 1/2
KIT2287	OUTLET	SAE 6000 G 1" 1/2
KIT2288	OUTLET	SAE 6000 NPT 1" 1/2
KIT2289	OUTLET	SAE 6000 NPT 1" 1/2
KIT2290	OUTLET	SAE 6000 G 2"
KIT2291	OUTLET	SAE 6000 G 2"
KIT2292	OUTLET	SAE 6000 NPT 2"
KIT2293	OUTLET	SAE 6000 NPT 2"
KIT2294	OUTLET	SAE 6000 G 2" 1/2
KIT2295	OUTLET	SAE 6000 G 2" 1/2
KIT2296	OUTLET	SAE 6000 NPT 2" 1/2
KIT2297	OUTLET	SAE 6000 NPT 2" 1/2
KIT2298	OUTLET	Flange Plug RV
KIT2299	OUTLET	Safety Valve block + Plug
KIT2300	OUTLET	SAE 6000 G 1" 1/2 RV
KIT2301	OUTLET	SAE 6000 G 1" 1/2 RV
KIT2302	OUTLET	SAE 6000 NPT 1" 1/2 RV
KIT2303	OUTLET	SAE 6000 NPT 1" 1/2 RV
KIT2304	OUTLET	SAE 6000 G 2" RV
KIT2305	OUTLET	SAE 6000 G 2" RV
KIT2306	OUTLET	SAE 6000 NPT 2" RV
KIT2307	OUTLET	SAE 6000 NPT 2" RV
KIT2308	OUTLET	SAE 6000 G 2" 1/2 RV
KIT2309	OUTLET	SAE 6000 G 2" 1/2 RV
KIT2310	OUTLET	SAE 6000 NPT 2" 1/2 RV
KIT2311	OUTLET	SAE 6000 NPT 2" 1/2 RV

SRHP series

300HP



COSTRUZIONE

- Pompa a 3 pistoni tuffanti, disponibile in 4 cilindrata.
- Allestimento orizzontale o verticale.
- Albero presa moto doppia sporgenza.
- Riduttore di giri incorporato.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione e mandata a piattello guidato.
- Lubrificazione forzata mediante pompa olio completa di manometro, pressostato minima, intercooler acqua/olio, filtro.

CONSTRUCTION

- Triplex plunger pump, available in 4 different displacements.
- Vertical or horizontal configuration.
- Double p.t.o. drive shaft.
- Incorporated gear box.
- Low-high pressure packing design with integrated cooling system.
- Guided suction and delivery disc-style valves.
- Forced lubrication by incorporated oil pump, complete with pressure gauge, pressure switch, oil/water intercooler, oil filter.

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore / Gear box 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	1135
SR 30	99	26.5	1200	120	17400	1500 / 1800 / 2200			309	227	1135
SR 32	113	29.8	1000	100	14500	1500 / 1800 / 2200			293	215	1135
SR 36	143	37.8	800	80	11600	1500 / 1800 / 2200			297	218	1135

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

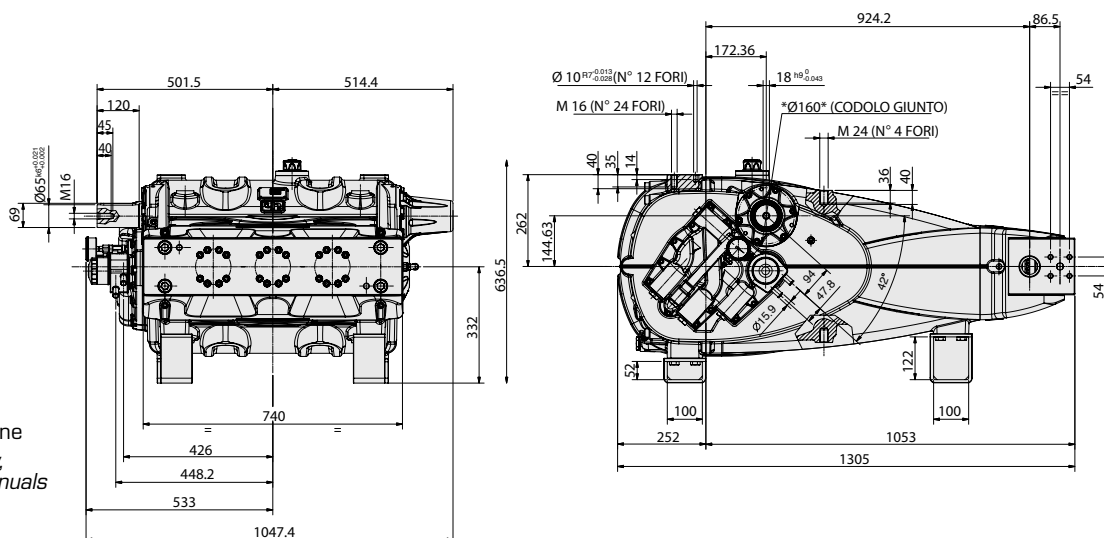
DIMENSIONI D'INGOMBRO ALLESTIMENTO ORIZZONTALE OVERALL DIMENSIONS HORIZONTAL CONFIGURATION

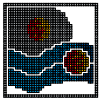


ATEX
ON REQUEST

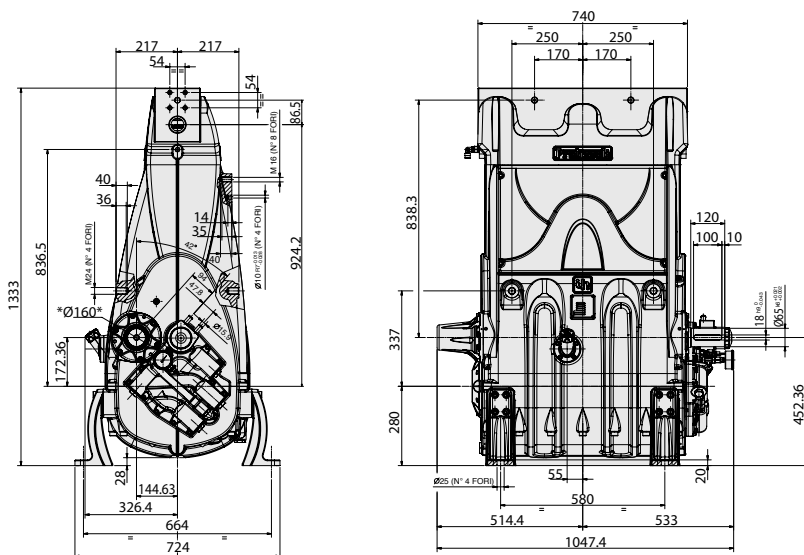


Scheda tecnica, esplosi,
manuali uso e manutenzione
 Data sheet, exploded view,
repair & maintenance manuals

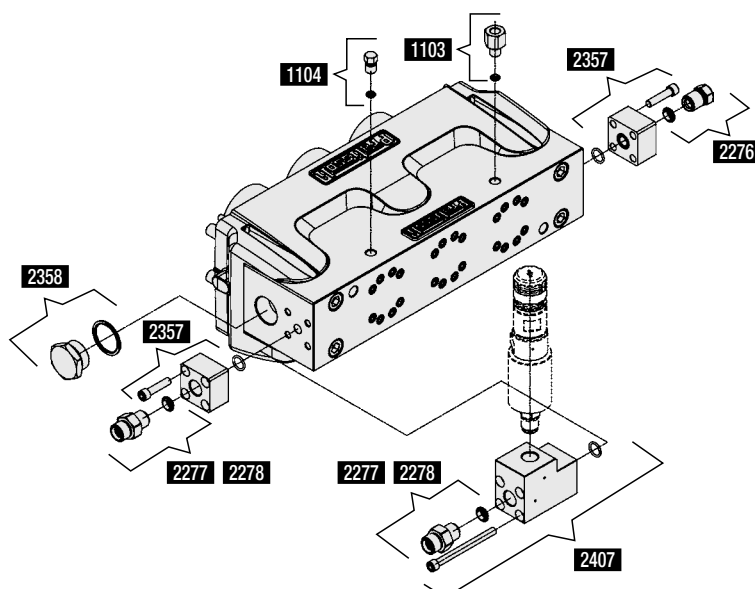




DIMENSIONI D'INGOMBRO ALLESTIMENTO VERTICALE OVERALL DIMENSIONS VERTICAL CONFIGURATION



KIT DI CONNESSIONE - CONNECTION KIT



KIT1103	OUTLET	G 1/2" HP - G 1/2"
KIT1104	OUTLET	G 1/2" HP
KIT2276	OUTLET	G 1"
KIT2277	OUTLET	G 1" - M24 x 1,5
KIT2278	OUTLET	G 1" - M36 x 2
KIT2357	OUTLET	G 1"
KIT2358	INLET	G 1" HP
KIT2407	OUTLET	G 1" HP

Suffix HP: Con pastiglia conica
Suffix HP: With conical seal

TRLP series

450HP



COSTRUZIONE

- Pompa a 3 pistoni tuffanti, disponibile in 6 cilindrate.
- Allestimento orizzontale o verticale.
- Albero presa moto doppia sporgenza.
- Riduttore di giri incorporato.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione e mandata a piattello guidato.
- Lubrificazione forzata mediante pompa olio completa di manometro, pressostato minima, intercooler acqua/olio, filtro.

CONSTRUCTION

- Triplex plunger pump, available in 6 different displacements.
- Vertical or horizontal configuration.
- Double p.t.o. drive shaft.
- Incorporated gear box.
- Low-high pressure packing design with integrated cooling system.
- Guided suction and delivery disc-style valves.
- Forced lubrication by incorporated oil pump, complete with pressure gauge, pressure switch, oil/water intercooler, oil filter.

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore / Gear box 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	1250
TR 55	482	127	350	35	5075	1500 / 1800 / 2200			438	322	1250
TR 60	573	151	300	30	4350	1500 / 1800 / 2200			446	328	1250
TR 65	673	178	250	25	3625	1500 / 1800 / 2200			437	321	1250
TR 70	781	206	220	22	3190	1500 / 1800 / 2200			446	328	1250
TR 75	896	237	200	20	2900	1500 / 1800 / 2200			465	342	1250

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

Disponibili versioni dedicate al pompaggio di glicole etilenico e trietilenico (EG e TEG). Applicazioni: disidratazione gas naturale, alimentazione B.O.P, test idrostatici.
Specialized version designed for ethylene and triethylene glycole (EG and TEG). Applications: gas dehydration, Blow Out Preventer charging, hydrostatic testing.

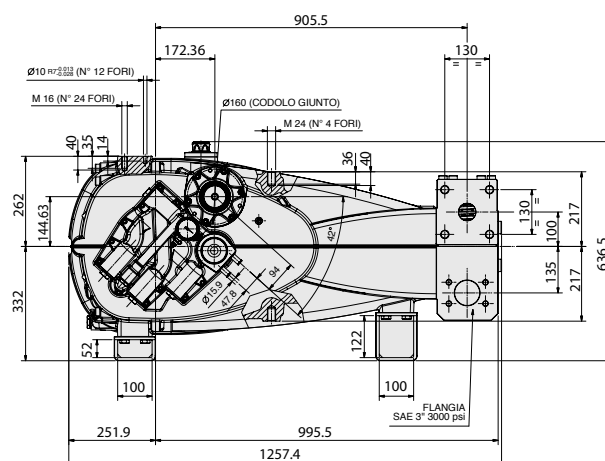
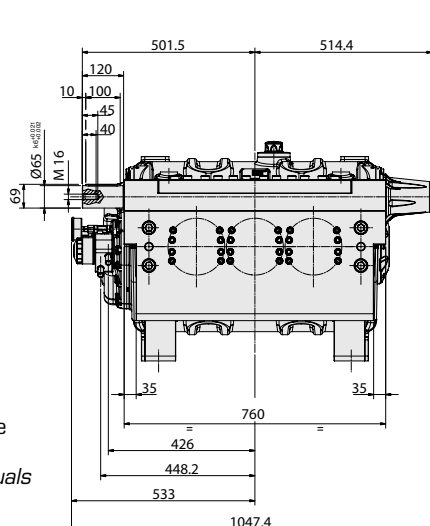
DIMENSIONI D'INGOMBRO ALLESTIMENTO ORIZZONTALE OVERALL DIMENSIONS HORIZONTAL CONFIGURATION

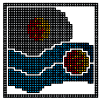


ATEX
ON REQUEST

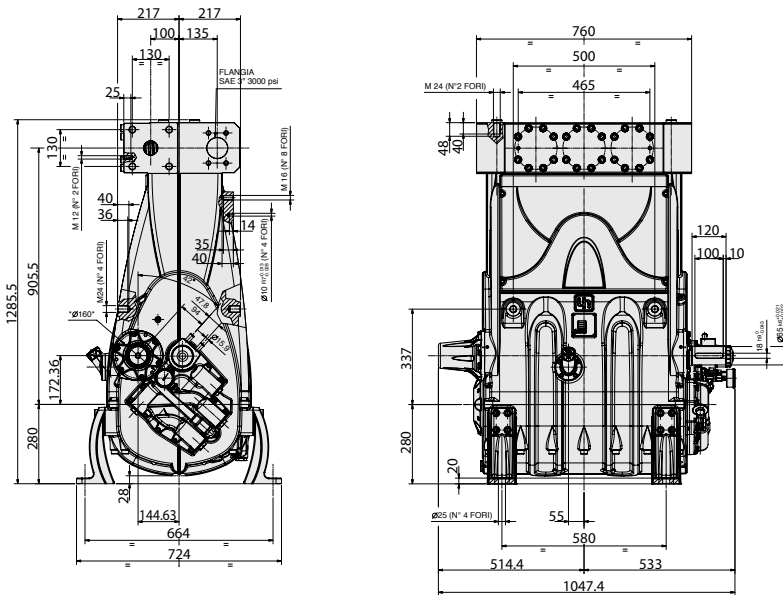


Scheda tecnica, esplosi,
manuali uso e manutenzione
Data sheet, exploded view,
repair & maintenance manuals

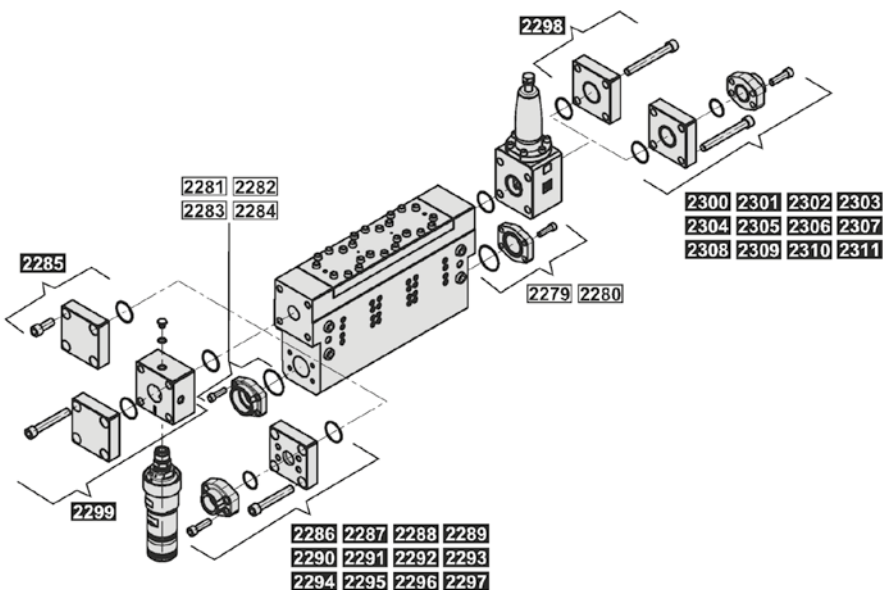




DIMENSIONI D'INGOMBRO ALLESTIMENTO VERTICALE OVERALL DIMENSIONS VERTICAL CONFIGURATION



KIT DI CONNESSIONE - CONNECTION KIT



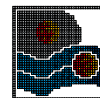
KIT2279	INLET	SAE 3000 Flange Plug
KIT2280	INLET	SAE 3000 Flange Plug
KIT2281	INLET	G 3"
KIT2282	INLET	G 3"
KIT2283	INLET	NPT 3"
KIT2284	INLET	NPT 3"
KIT2285	OUTLET	Flange Plug
KIT2286	OUTLET	SAE 6000 G 1" 1/2
KIT2287	OUTLET	SAE 6000 G 1" 1/2
KIT2288	OUTLET	SAE 6000 NPT 1" 1/2
KIT2289	OUTLET	SAE 6000 NPT 1" 1/2
KIT2290	OUTLET	SAE 6000 G 2"
KIT2291	OUTLET	SAE 6000 G 2"
KIT2292	OUTLET	SAE 6000 NPT 2"
KIT2293	OUTLET	SAE 6000 NPT 2"
KIT2294	OUTLET	SAE 6000 G 2" 1/2
KIT2295	OUTLET	SAE 6000 G 2" 1/2
KIT2296	OUTLET	SAE 6000 NPT 2" 1/2
KIT2297	OUTLET	SAE 6000 NPT 2" 1/2
KIT2298	OUTLET	Flange Plug RV
KIT2299	OUTLET	Safety Valve block + Plug
KIT2300	OUTLET	SAE 6000 G 1" 1/2 RV
KIT2301	OUTLET	SAE 6000 G 1" 1/2 RV
KIT2302	OUTLET	SAE 6000 NPT 1" 1/2 RV
KIT2303	OUTLET	SAE 6000 NPT 1" 1/2 RV
KIT2304	OUTLET	SAE 6000 G 2" RV
KIT2305	OUTLET	SAE 6000 G 2" RV
KIT2306	OUTLET	SAE 6000 NPT 2" RV
KIT2307	OUTLET	SAE 6000 NPT 2" RV
KIT2308	OUTLET	SAE 6000 G 2" 1/2 RV
KIT2309	OUTLET	SAE 6000 G 2" 1/2 RV
KIT2310	OUTLET	SAE 6000 NPT 2" 1/2 RV
KIT2311	OUTLET	SAE 6000 NPT 2" 1/2 RV

450HP

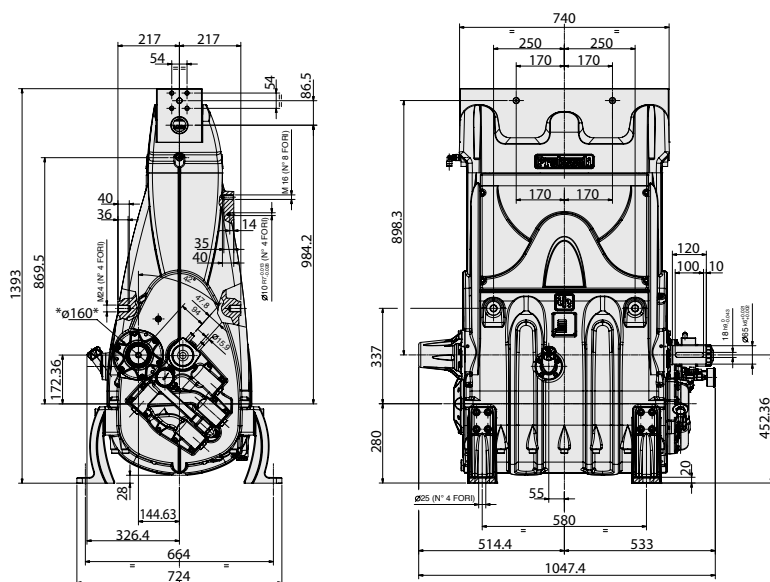


- ## CONSTRUCTION

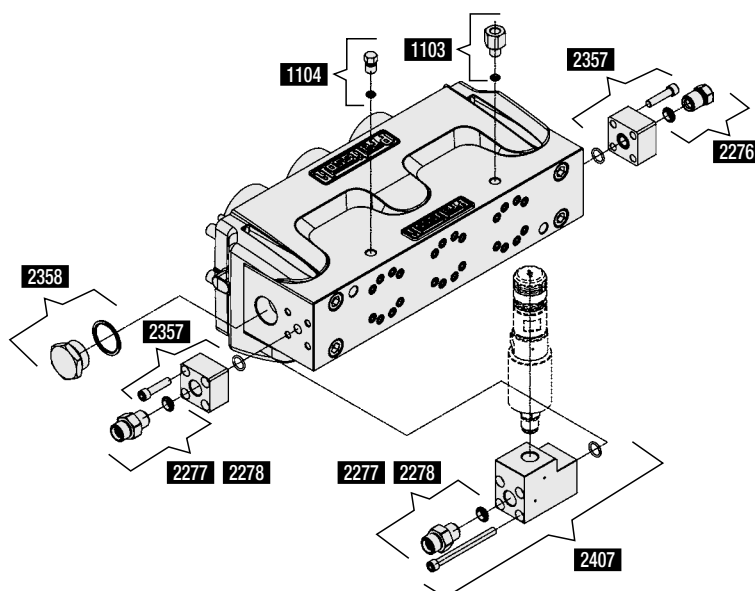
- 52



DIMENSIONI D'INGOMBRO ALLESTIMENTO VERTICALE OVERALL DIMENSIONS VERTICAL CONFIGURATION



KIT DI CONNESSIONE - CONNECTION KIT



KIT1103	OUTLET	G 1/2" HP - G 1/2"
KIT1104	OUTLET	G 1/2" HP
KIT2276	OUTLET	G 1"
KIT2277	OUTLET	G 1" - M24 x 1,5
KIT2278	OUTLET	G 1" - M36 x 2
KIT2357	OUTLET	G 1"
KIT2358	INLET	G 1" HP
KIT2407	OUTLET	G 1" HP

Suffix HP: Con pastiglia conica
Suffix HP: With conical seal

Piston Pump series

M LINE

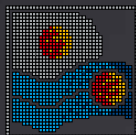
Una nuova gamma di pompe volumetriche alternative a pistoni orizzontali, realizzate per iniezioni di fanghi da perforazione e cementizi, impasti, miscele semi-liquide nell'industria mineraria, edile, chimica e petrolchimica.

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**

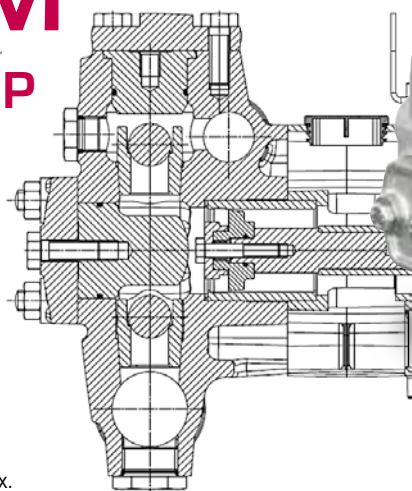


Pratissoli



KT45M

10HP



CARTER SIMMETRICO
per conversione rapida
sporgenza albero dx o sx.

SYMMETRICAL POWER
END for easy and quick
right left side shaft con-
version.

CONSTRUZIONE

- Pompa volumetrica alternativa a 3 pistoni orizzontali, realizzata per iniezioni di fanghi da perforazione e cementizi, impasti, miscele liquide e semi liquide nell'industria mineraria, edile, chimica e petrolchimica.
- Pistoni di tenuta in NBR energizzati kevlar.
- Valvole a sfera autopulenti.
- Lubrificazione a sbattimento.

CONSTRUCTION

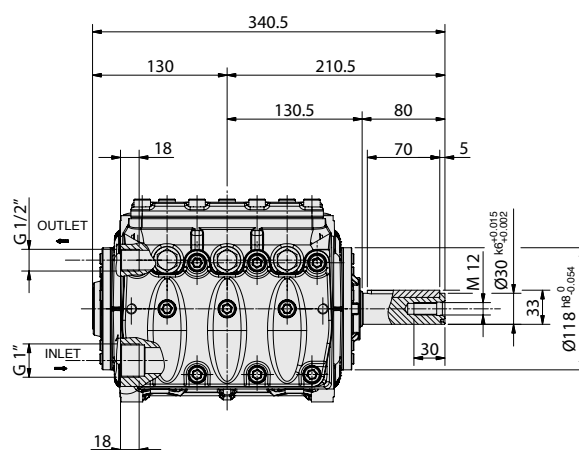
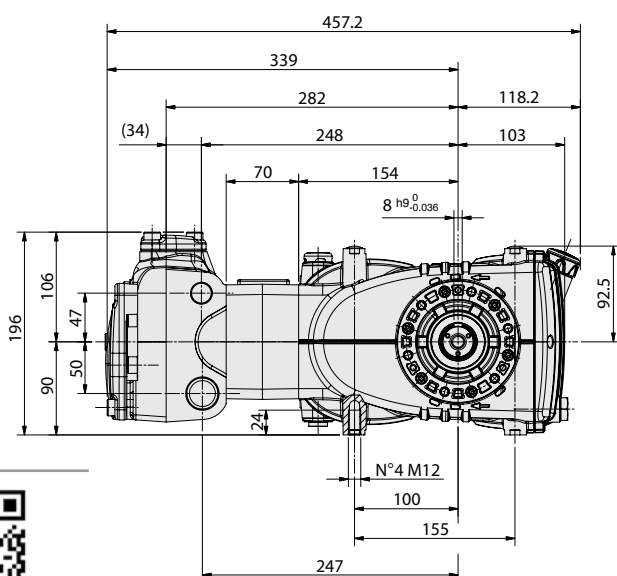
- Positive displacement reciprocating triplex piston pump, designed to handle drilling fluids, muds, slurries for a variety of applications in the mining, chemical, oil & gas industries.
- Piston made of abrasion resistant NBR, kevlar energized.
- Self cleaning ball valves.
- Splash lubrication.

Tipo pompa Pump type	Valvole Valves	Cilindri Sleeves	g/min r.p.m.	Portata Volume		Pressione Pressure			Potenza Power		Peso Weight kg
				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

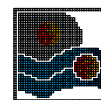
Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS

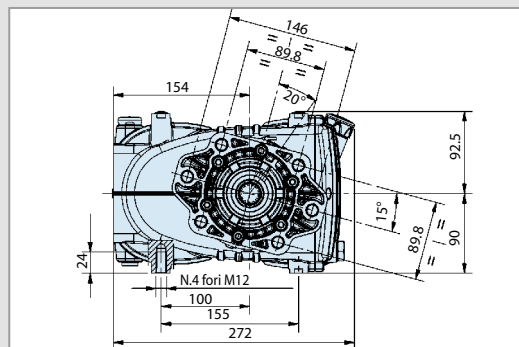
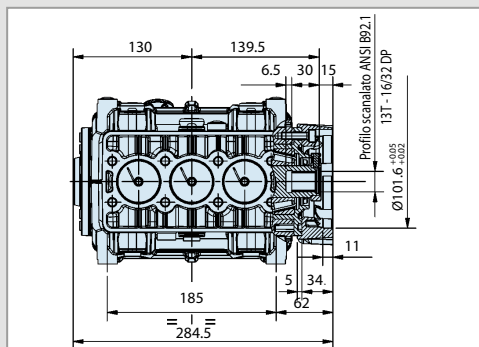


Scheda tecnica, esplosi,
manuali uso e manutenzione

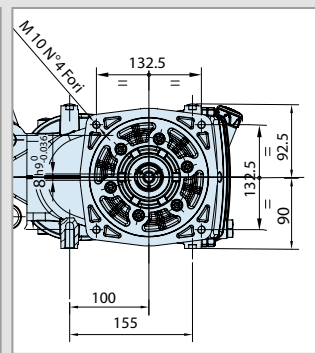
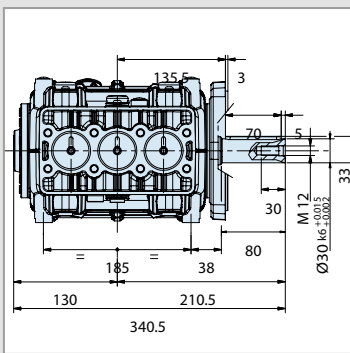
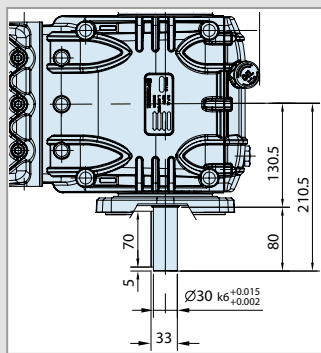
Data sheet, exploded view,
repair & maintenance manuals



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



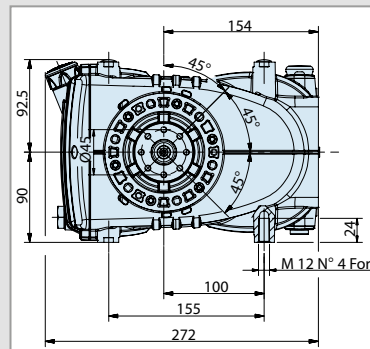
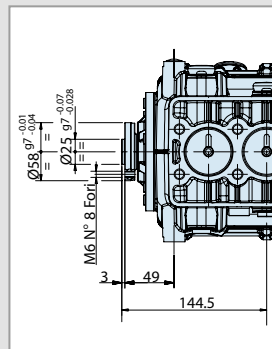
Predisposizione presa di forza ausiliaria opposta albero moto Auxiliary P.T.O. opposite to shaft side



La coppia max è prelevabile anche con pompa a pieno carico
Max. torque is available also with pump at full load

18 mm Max

	Coppia max Max torque (Nm)	Potenza max Max power (Hp)	rpm
Cinghie Pulley / belts	20	1,7	600
Giunto diretto Flex joint direct	40	3,4	600



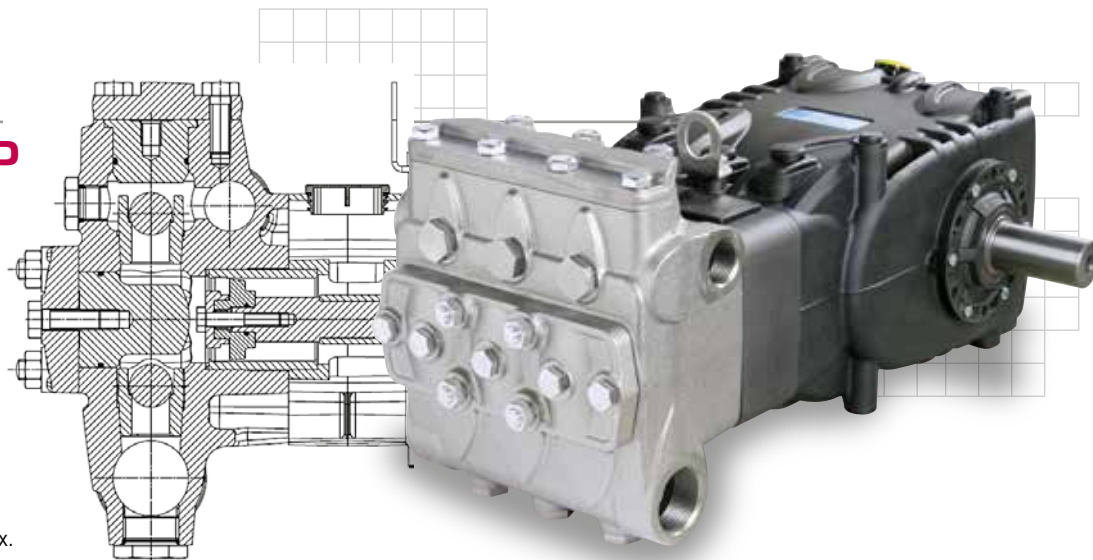
Lettore di giri ZRPM1 ZRPM1 Revolution counter



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

KF5M

40HP



CARTER SIMMETRICO
per conversione rapida
sporgenza albero dx o sx.

SYMMETRICAL POWER
END for easy and quick
right left side shaft con-
version.

COSTRUZIONE

- Pompa volumetrica alternativa a 3 pistoni orizzontali, realizzata per iniezioni di fanghi da perforazione e cementizi, impasti, miscele liquide e semi liquide nell'industria mineraria, edile, chimica e petrolchimica.
- Pistoni di tenuta in NBR energizzati kevlar.
- Valvole a sfera autopulenti.
- Lubrificazione a sbattimento.

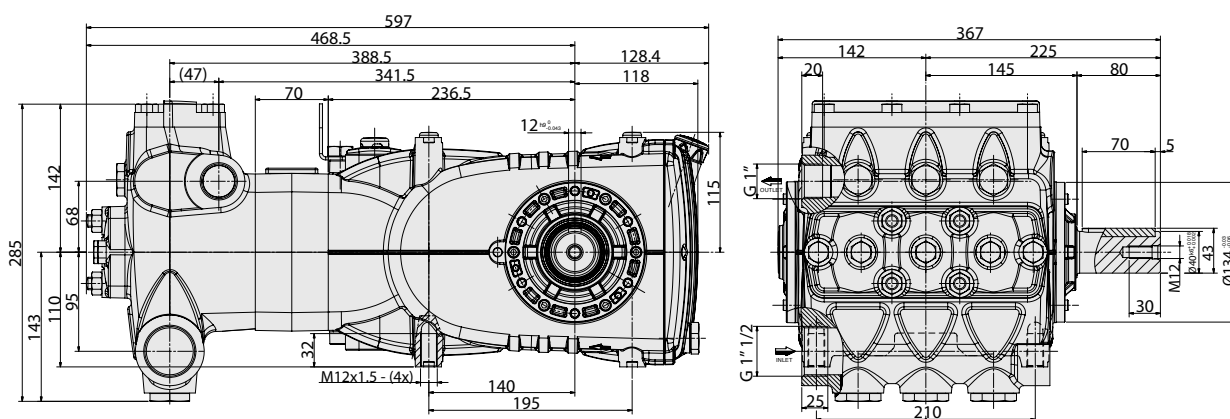
CONSTRUCTION

- Positive displacement reciprocating triplex piston pump, designed to handle drilling fluids, muds, slurries for a variety of applications in the mining, chemical, oil & gas industries.
- Piston made of abrasion resistant NBR, kevlar energized.
- Self cleaning ball valves.
- Splash lubrication.

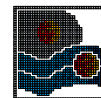
Tipo pompa Pump type	Valvole Valves	Cilindri Sleeves	g/min r.p.m.	Portata Volume		Pressione Pressure			Potenza Power		Peso Weight kg
				L/min	US Gpm	bar	MPa	p.s.i.	hp	kW	
KF5M 5B	Sfera/Ball	Ceramic	600	177	46.7	50	5	750	23,0	16,9	69
KF5M 9B	Sfera/Ball	Acciaio/Steel	600	177	46.7	80	8	1160	36,8	27,0	69

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

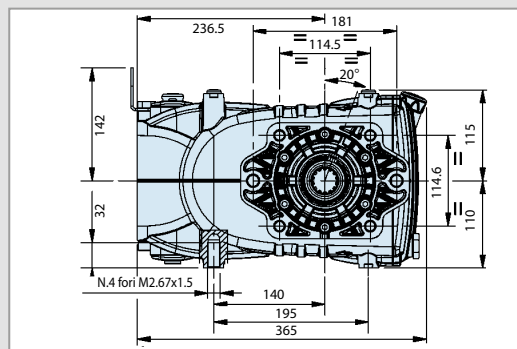
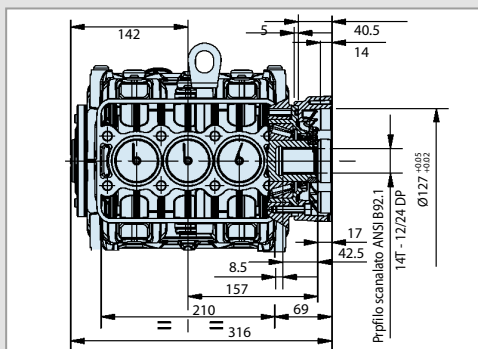
DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS



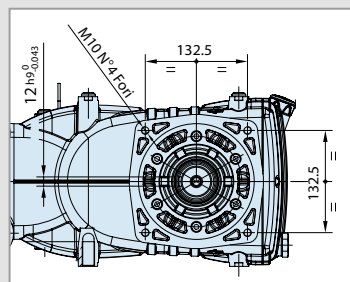
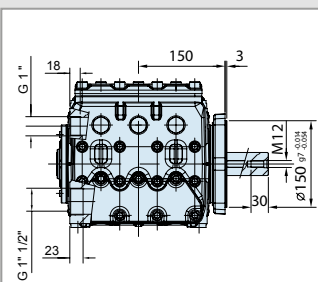
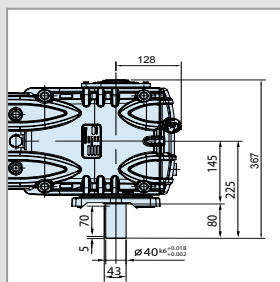
Scheda tecnica, esplosi,
manuali uso e manutenzione
Data sheet, exploded view,
repair & maintenance manuals



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 - Flange for direct drive mount

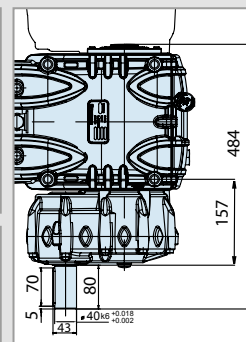
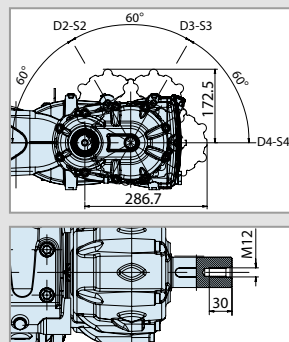


Riduttore - Gearbox



Le pompe KF5M sono disponibili su richiesta con riduttore di giri laterale. Il riduttore è disponibile in 3 rapporti ed installabile a dx o sx della pompa in 4 differenti angoli. Rapporti di riduzione: R=1,25:1 - R=1,50:1 - R=1,83:1

KF5M pumps can be supplied with a optional gearbox available in 3 different ratios. The gearbox can be mounted on the left or right side of the pump in 4 different angles, at customer choice. Gearbox ratios: R=1,25:1 - R=1,50:1 - R=1,83:1

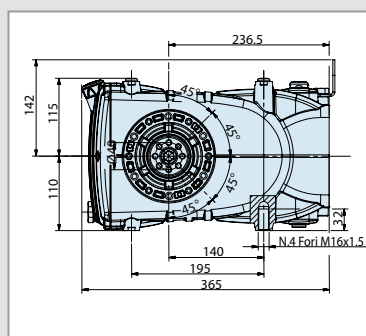
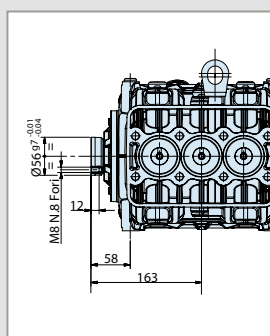


Predisposizione presa di forza ausiliaria opposta albero moto - Auxiliary P.T.O. opposite to shaft side

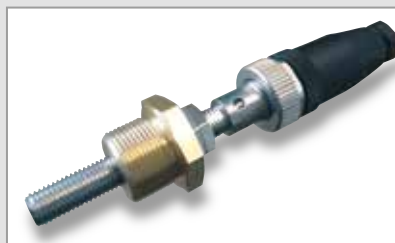


La coppia max è prelevabile anche con pompa a pieno carico.
 Max. torque is available also with pump at full load.
 22 mm Max

	Coppia max Max. torque (Nm)	Potenza max Max. power (Hp)	rpm
Cinghie Pulley / belts	65	5,6	600
Giunto diretto Flex joint direct	130	11,0	600

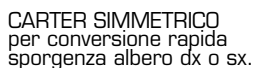


Lettore di giri ZRPM1 - ZRPM1 Revolution counter



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

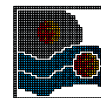
50HP



COSTRUZIONE

- ## CONSTRUCTION

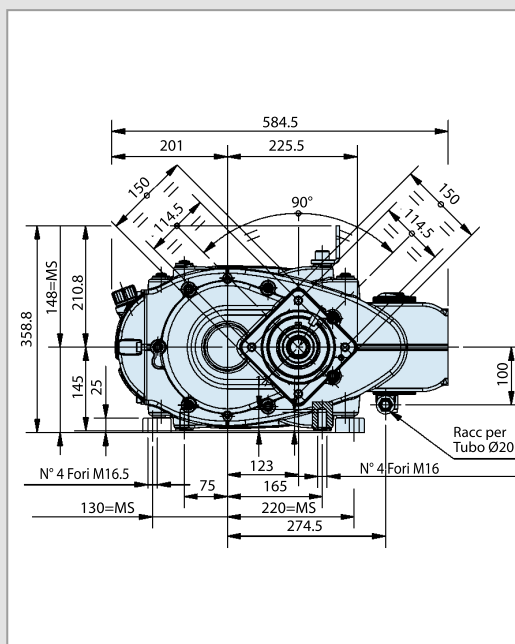
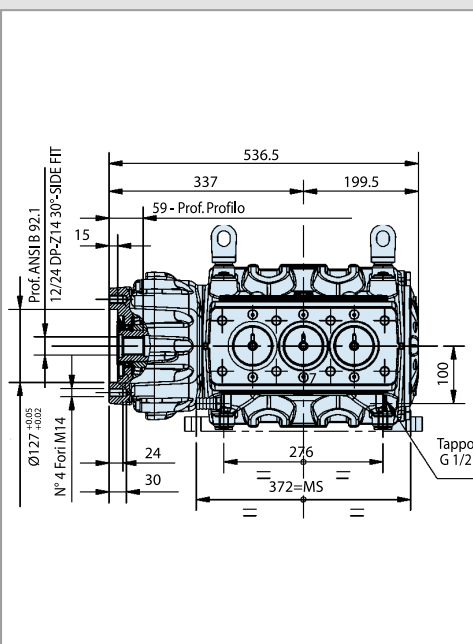
- 60



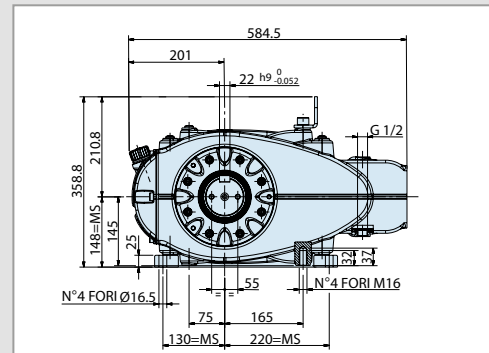
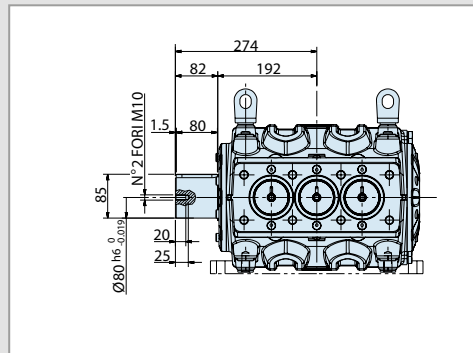
Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP

MF7M 5B			
	1:1,87	1:2,24	1:2,72
r.p.m.	400	490	600

MF7M 5D			
	1:1,87	1:2,24	1:2,72
r.p.m.	500	600	740



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



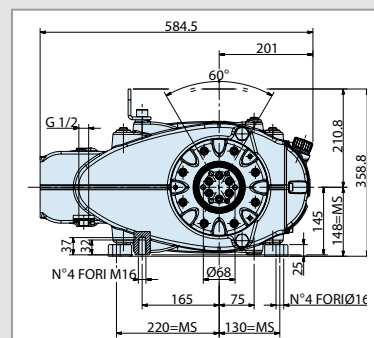
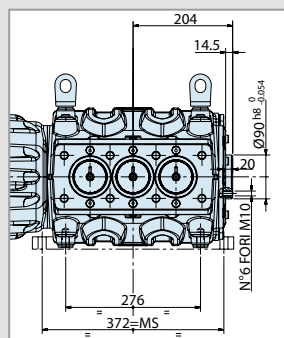
Predisposizione presa di forza ausiliaria opposta albero moto - Auxiliary P.T.O. opposite to shaft side



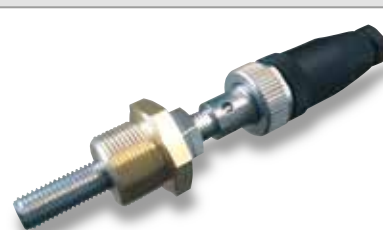
La coppia max è prelevabile anche con pompa a pieno carico.

Max. torque is available also with pump at full load.

	Coppia max Max torque (Nm)	Potenza max Max power (Hp)	rpm
Cinghie Pulley / belts	136	17,0	880
Giunto diretto Flex joint direct	200	25,0	880



Lettore di giri ZRPM1 - ZRPM1 Revolution counter



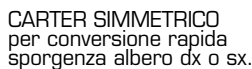
Sensore di prossimità induttivo completo di connettore femmina M12, 4 pin, IP67, a cablare, con ghiera montaggio M18 x 1

Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1

Alimentazione
Power supply

12/24 VDC

80HP



SYMMETRICAL POWER
END for easy and quick
right left side shaft con-
version.

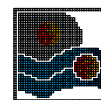
- Pompa volumetrica alternativa a 3 pistoni orizzontali, realizzata per iniezioni di fanghi da perforazione e cementizi, impasti, miscele liquide e semi liquide nell'industria mineraria, edile, chimica e petrolchimica.
- Pistoni di tenuta in NBR energizzati kevlar.
- Valvole a sfera autopulenti.
- Lubrificazione a sbattimento.

- Positive displacement reciprocating triplex piston pump, designed to handle drilling fluids, muds, slurries for a variety of applications in the mining, chemical, oil & gas industries.
- Piston made of abrasion resistant NBR, kevlar energized.
- Self cleaning ball valves.
- Splash lubrication.

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

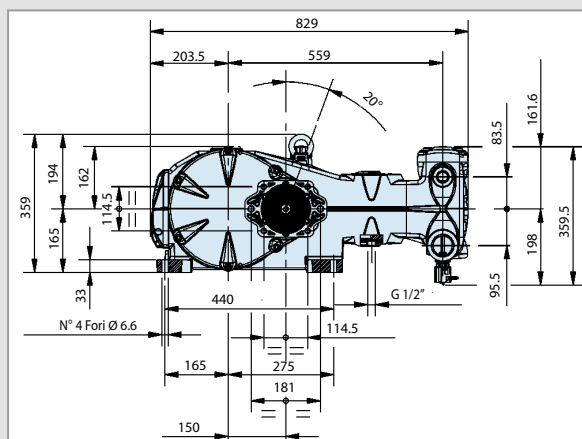
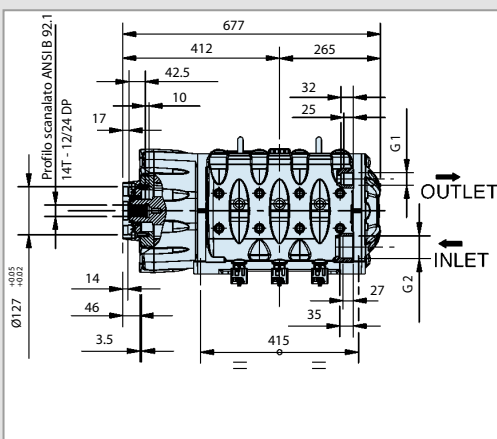


Scheda tecnica, esplosi,
manuali uso e manutenzione
*Data sheet, exploded view,
repair & maintenance manuals*



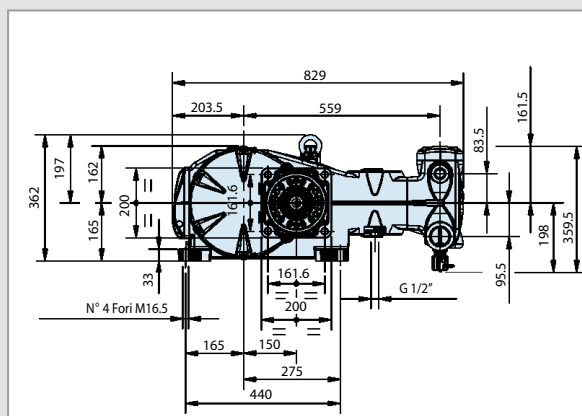
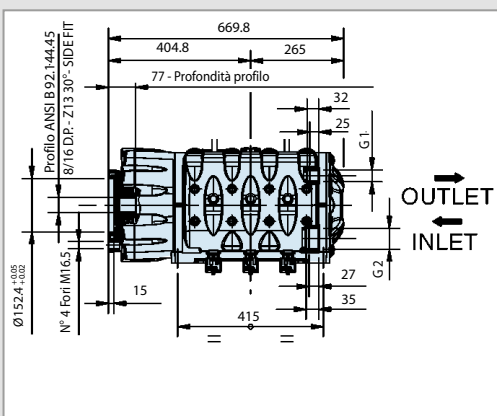
Predisposizione per motore idraulico SAE J744-C albero scanalato 14T 12/24 DP Hydraulic motor mount SAE J744-C spline shaft 14T 12/24 DP

	1:3,73
r.p.m.	1080



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

	1:2,65
r.p.m.	770



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

Inductive proximity sensor, c/w female connector M12 4 pin, IP67, field attachable, ring nut reduction M18 x 1

Alimentazione
Power supply

12/24 VDC

Allestimenti dedicati *Specialized pumps*

Atex Certifications

pag. 66 - 67

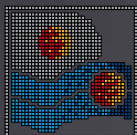
Recycled Fluid series

pag. 68 - 69

Stainless Steel series

pag. 70 - 71





Pratisoli



**INTERPUMP
GROUP**

DET NORSKE VERITAS

ACKNOWLEDGEMENT OF RECEIPT - EC

ACKNOWLEDGMENT NO. 4428-2014-CR-TA-NA PROD-021

This Acknowledgment consists of 2 pages.

This is to confirm that the Technical File for the following product(s):
Piston pumps series:
71KF, 71SS/SN, 73MW, 73MWN, 78LK, 78LKN
with type designation(s)
See page 2

Manufactured by
INTERPUMP GROUP S.P.A.
Via Enrico Fermi, 25 - 42049 San'Ilario d'Enea
Italy

has been received and stored according to
the conformity assessment procedure described in Article 8.1 (EUO), of Council Directive
90/269 (ATEX) of 23 March 1994, category 2 non-electrical equipment.

Further details are given overleaf.

This Acknowledgement is valid until
2024-04-04

Date and day:
Harik, 2014-04-04
for DET NORSKE VERITAS AS

Ståle Sundstøl
Confession Manager

(Status: This acknowledgement is subject to certain conditions regarding how significant changes to design or material have their impact on CE marking requirements assessed.
The digitally signed and electronically distributed document is the original and valid acknowledgment file. [View DNV.com/dnaacknowledgefile](#).
If you cannot view the document please contact your nearest DNV representative at [dnv.com/contact-us](#).

Certification No.: 1302 Sigurd, Norway; +47(0)5000...+47(0)77991)

Det Norske Veritas AS

Page 1 of 2

The image is a collage of industrial equipment. In the background, there's a large white pump unit with a control panel featuring a digital display and several buttons. In the foreground, there's a black pump unit with a prominent silver shaft. To the right, there's a stainless steel tank or container with multiple bolted connections. Overlaid on the right side of the collage is a technical document titled 'Acknowledgement'.

Acknowledgement

The following types are covered by the Acknowledgement:

Product Description	Type Designation	Category	Product Group	Product
Fusion pumps series 71KF, 71SS/BN, 73MF, 73MF/BN, 78LK, 78LKN	-	2	Ex equipment	Non-elect

Technical documentation:
The following documentation has been received and stored:

Document No	Document Name
71-ATX, 73 ATX and 78 ATX rev.0	Technical file

Terms and conditions
The product liability rests with the manufacturer, his representative or, in the absence of a representative, the importer, in accordance with the General Product Safety Directive 2001/95/EC. The following conditions may render this acknowledgement invalid:

- Changes in the design or construction of the product;
- Changes or amendments to the referenced directive(s);
- Changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the directive(s).

Conformity declaration and marking of product
In order to fully meet with the requirements of the Directive and legally affix the CE mark, the manufacturer must take all measures necessary to ensure that the manufactured product complies with the technical documentation and with the requirements of the Directive and finally draw up an EC declaration of conformity.

END OF ACKNOWLEDGEMENT

Doc Number: Version: A01
Revised: 1. 13/07/2006, Norway: +47/97510000 +47/97510001
Page 2 of 2



ATEX

II 2GD ck T4/T135°C

Group	II Area with potentially explosive atmospheres	
Equipment category	2	3
Zones and type of explosive atmospheres	1 (G) 21 (D)	2 (G) 22 (D)
Surface temperature of the equipment	T4 / T135 °C	

Tipo pompa Pump type	Portata Volume		Pressione Pressure		
	L/min	US Gpm	bar	MPa	p.s.i.
KF 28	93	24.5	210	21	3045
KF 30	106	28.0	200	20	2900
KF 32	120	31.7	180	18	2610
KF 36	122	32.2	160	16	2300
	137	36.2	140	14	2050
	153	40.0	130	13	1900
KF 40	170	45.0	110	11	1600
SS71 93	93	24.6	200	20	2900
SS71 106	106	28.0	200	20	2900
SS71 153	153	40.4	130	13	1885
SS71 170	170	44.9	100	10	1450
SN71 93	93	24.5	210	21	3050
SN71 106	106	28.0	200	20	2900
SN71 153	122	32.2	160	16	2300
	137	36.2	140	14	2050
	153	40.0	130	13	1900
SN71 170	170	45.0	110	11	1600
MW 32	135	35.7	300	30	4350
MW 36	171	45.2	240	24	3480
MW 40	211	55.7	210	21	3045
MW 45	267	70.5	155	15,5	2248
MW 50	330	87.2	125	12,5	1813
MW 55	399	105.4	100	10	1450
MWN 32	135	35.7	300	30	4350
MWN 36	171	45.2	240	24	3480
MWN 40	211	55.7	210	21	3045
MWN 45	267	70.5	155	15,5	2248
MWN 50	330	87.2	125	12,5	1813
MWN 55	399	105.4	100	10	1450

Tipo pompa Pump type	Portata Volume		Pressione Pressure		
	L/min	US Gpm	bar	MPa	p.s.i.
LK 36	154	40.7	400	40	5800
LK 40	190	50.2	350	35	5075
LK 45	241	63.7	280	28	4060
LK 50	297	78.5	230	23	3335
LK 55	360	95.1	190	19	2755
LK 60	428	113.1	160	16	2320
LKN 36	140	37.0	400	40	5800
LKN 40	173	45.7	350	35	5075
LKN 45	218	57.6	280	28	4060
LKN 50	269	71.1	230	23	3335
LKN 55	326	86.1	190	19	2755
LKN 60	388	102.5	160	16	2320
SR 26	75	19.9	1500	150	21750
SR 30	99	26.5	1200	120	17400
SR 32	113	29.8	1000	100	14500
SR 36	143	37.8	800	80	11600
SR 50	276	73.0	400	40	5800
SR 55	466	123.0	250	25	3650
SR 75	620	164.0	200	20	2900
TR 26	108	28.5	1500	150	21750
TR 30	143	37.8	1200	120	17400
TR 32	163	43.0	1000	100	14500
TR 36	206	54.4	750	75	10900
TR 50	398	105.0	400	40	5800
TR 60	573	152.0	300	30	4350
TR 70	780	206.0	220	22	3200
TR 75	895	237.0	200	20	2900



Recycled Fluid series

ALLESTIMENTI DEDICATI
SPECIALIZED PUMPS

Adatte per acque cariche e solidi in sospensione fino al 20% in volume e dimensioni fino a 200 µ.
Grazie alle speciali tenute, la pompa può funzionare a secco per 30 minuti, con limitazioni.
Suitable for charged water with particle size up to 200 µ and up to 20% concentration in the water.
Thanks to the special packings, the pump can run dry without damage for 30 minutes, with limitations.



KF-R 50HP

Tipo pompa Pump type	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-R 28	93	24.5	210	21	3045	1000	50	37,0	69
KF-R 30	106	28.0	200	20	2900	1000	55	40,0	69
KF-R 32	120	31.7	180	18	2610	1000	56	41,2	69
KF-R 36	153	40.0	130	13	1900	1000	52	38,2	69
KF-R 40	170	45.0	110	11	1600	900	49	36,0	69

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
Per specifiche complete vedere pagina pompa standard / For full specs see standard pump page



MW-R 100HP

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore Gearbox g/min - r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
MW-R 32	135	35.7	300	30	4350	1500 / 1800 / 2200 / 2600	100	74	260
MW-R 36	171	45.2	240	24	3480	1500 / 1800 / 2200 / 2600	100	74	260
MW-R 40	211	55.7	210	21	3045	1500 / 1800 / 2200 / 2600	115	85	260
MW-R 45	267	70.5	155	15,5	2248	1500 / 1800 / 2200 / 2600	107	79	255
MW-R 50	330	87.2	125	12,5	1813	1500 / 1800 / 2200 / 2600	107	79	255
MW-R 55	399	105.4	100	10	1450	1500 / 1800 / 2200 / 2600	104	76	255

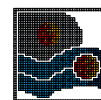
Portate teoriche con rendimento volumetrico 100% / Volumes are theoretical at 100% volumetric efficiency
Dati tecnici arrotondati per facilità di lettura / Technical data rounded for ease in readability
Per specifiche complete vedere pagina pompa standard / For full specs see standard pump page



MK-R 150HP

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore Gearbox g/min - r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
MK-R 40	154	40.5	400	40	5800	1500 / 1800 / 2050	160	118	393
MK-R 45	194	51.3	300	30	4350	1500 / 1800 / 2050	151	111	393
MK-R 50	240	63.4	250	25	3600	1500 / 1800 / 2050	156	115	393
MK-R 55	290	76.7	200	20	2900	1500 / 1800 / 2050	151	111	407
MK-R 60	346	91.4	170	17	2500	1500 / 1800 / 2050	153	112	407
MK-R 65	406	107.3	150	15	2175	1500 / 1800 / 2050	158	116	407

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
Riduttore 2050 rpm solo esecuzione scanalato / Gearbox 2050 rpm only spline shaft
Per specifiche complete vedere pagina pompa standard / For full specs see standard pump page



MKS-R 180HP

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore Gearbox g/min - r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
MKS-R 40	183	48.4	400	40	5800	1500 / 1800 / 2200 / 2500	190	140,0	393
MKS-R 45	232	61.3	300	30	4350	1500 / 1800 / 2200 / 2500	181	133,0	393
MKS-R 50	285	75.3	250	25	3600	1500 / 1800 / 2200 / 2500	187	137,5	393
MKS-R 55	345	91.1	200	20	2900	1500 / 1800 / 2200 / 2500	180	132,0	407
MKS-R 60	410	108.4	170	17	2500	1500 / 1800 / 2200 / 2500	183	135,0	407
MKS-R 65	481	127.0	150	15	2175	1500 / 1800 / 2200 / 2500	190	140,0	407

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

Riduttore 2500 rpm solo esecuzione scanalato / Gearbox 2500 rpm only spline shaft

Per specifiche complete vedere pagina pompa standard / For full specs see standard pump page



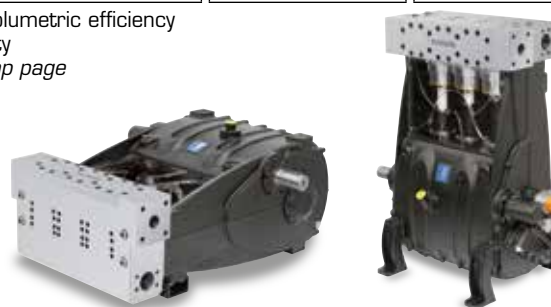
SR-R 300HP

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore Gear box g/min - r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
SR-R 50	276	73	400	40	5800	1500 / 1800 / 2200	287	211	1105
SR-R 55	333	88	350	35	5075	1500 / 1800 / 2200	303	223	1105
SR-R 60	397	105	300	30	4350	1500 / 1800 / 2200	309	227	1105
SR-R 65	465	123	250	25	3625	1500 / 1800 / 2200	302	222	1105
SR-R 70	540	143	220	22	3190	1500 / 1800 / 2200	309	227	1105
SR-R 75	620	164	200	20	2900	1500 / 1800 / 2200	322	237	1105

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

Per specifiche complete vedere pagina pompa standard / For full specs see standard pump page



TR-R 450HP

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore Gear box g/min - r.p.m.	Potenza Power		Peso Weight kg
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW	
TR-R 50	398	105	400	40	5800	1500 / 1800 / 2200	414	304	1130
TR-R 55	482	127	350	35	5075	1500 / 1800 / 2200	438	322	1130
TR-R 60	573	151	300	30	4350	1500 / 1800 / 2200	446	328	1130
TR-R 65	673	178	250	25	3625	1500 / 1800 / 2200	437	321	1130
TR-R 70	781	206	220	22	3190	1500 / 1800 / 2200	446	328	1130
TR-R 75	896	237	200	20	2900	1500 / 1800 / 2200	465	342	1130

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

Per specifiche complete vedere pagina pompa standard / For full specs see standard pump page

Stainless Steel series

ALLESTIMENTI DEDICATI
SPECIALIZED PUMPS

70.SS - 70SN



70.SS

Versioni inox
AISI 316 L
Temperatura max 85°C

AISI 316 L version
Max water temp. 85°C

70.SN

Versioni inox
AISI 420
Temperatura max 85°C

AISI 420 L version
Max water temp. 85°C

COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 11 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- **Versioni disponibili su richiesta con sistema di flussaggio tenute.**

CONSTRUCTION

- Triplex plunger pump, available in 11 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- **Flushing systems available on request on selected versions.**

Tipo pompa Pump type	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power	
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW
SS70 30	30	7.92	200	20	2900	1450	16	11,7
SS70 37	37	9.77	200	20	2900	1450	19	14,0
SS70 45	45	11.89	200	20	2900	1450	24	17,6
SS70 61H	61	16.11	150	15	2175	1450	24	17,6
SS70 70H	70	18.49	130	13	1885	1450	24	17,6
SS70 91H	100	26.40	100	10	1450	1450	26	19,1
SN70 30	30	8.0	300	30	4350	1450	25	18,4
SN70 37	37	10.0	250	25	3650	1450	25	18,4
SN70 45	45	11.9	210	21	3045	1450	25	18,4
SN70 61	61	16.1	150	15	2170	1450	25	18,4
SN70 70	70	18.5	130	13	1880	1450	25	18,4
SN70 91	100	26.4	100	10	1450	1450	26	19,1

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

71.SS - 71SN



71.SS

Versioni inox
AISI 316 L
Temperatura max 85°C

AISI 316 L version
Max water temp. 85°C

71.SN

Versioni inox
AISI 420
Temperatura max 85°C

AISI 420 L version
Max water temp. 85°C

COSTRUZIONE

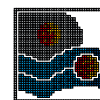
- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 8 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- **Versioni disponibili su richiesta con sistema di flussaggio tenute.**

CONSTRUCTION

- Triplex plunger pump, available in 8 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- **Flushing systems available on request on selected versions.**

Tipo pompa Pump type	Portata Volume		Pressione Pressure			g/min r.p.m.	Potenza Power	
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW
SS71 93	93	24.57	200	20	2900	1000	48	35,3
SS71 106	106	28.0	200	20	2900	1000	55	40,0
SS71 153	122	32.2	160	16	2300	800	51	37,5
	137	36.2	140	14	2050	900	50	37,0
	153	40.42	130	13	1885	1000	52	38,2
SS71 170	170	44.90	100	10	1450	900	44	36,0
SN71 93	93	24.50	210	21	3050	1000	50	37,0
SN71 106	106	28.0	200	20	2900	1000	55	40,0
SN71 153	122	32.2	160	16	2300	800	51	37,5
	137	36.2	140	14	2050	900	50	37,0
	153	40.5	130	13	1900	1000	52	38,2
SN71 170	170	45.0	110	11	1600	900	49	36,0

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



HF-N



HF-N

Versioni inox duplex ASTM F51
(testata da billetta)- rif. 71961100

Duplex ASTM F51 s.s. versions
block style manifold
ref. 71961100

COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- Versioni disponibili con sistema di flussaggio tenute.

CONSTRUCTION

- Triplex plunger pump.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- Flushing systems available on request on selected versions.

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

MWN



COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 6 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- Riduttore di giri laterale disponibile in 5 rapporti riduzione eposizionabile a destra o sinistra della pompa.
- Versioni disponibili su richiesta con sistema di flussaggio tenute.

CONSTRUCTION

- Triplex plunger pump, available in 6 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- External gear box available in 5 ratios and positionable on left or right side of the pump.
- Flushing systems available on request on selected versions.

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore / Gearbox g/min r.p.m.	Potenza Power	
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW
MWN 32	135	35.7	300	30	4350	800/1500/1800/2200/2600	100	74
MWN 36	171	45.2	240	24	3480	800/1500/1800/2200/2600	100	74
MWN 40	211	55.7	210	21	3045	800/1500/1800/2200/2600	115	85
MWN 45	267	70.6	155	15,5	2248	800/1500/1800/2200/2600	100	74
MWN 50	330	87.2	125	12,5	1813	800/1500/1800/2200/2600	100	74
MWN 55	399	105.4	100	10	1450	800/1500/1800/2200/2600	100	74

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

LK-N



COSTRUZIONE

- Pompa a 3 pistoni tuffanti orizzontali, disponibile in 6 versioni.
- Sistema di tenute con camera di ricircolo e lubrificazione in bassa pressione.
- Valvole aspirazione mandata a contatto sferico.
- Lubrificazione a sbattimento.
- Riduttore di giri interno disponibile in 3 rapporti di riduzione
- Albero presa di moto doppia sporgenza

CONSTRUCTION

- Triplex plunger pump, available in 6 versions.
- Low-high pressure packing design with integrated cooling system.
- High volumetric efficiency suction/delivery valves featuring new spherical design of sealing areas.
- Splash lubrication.
- Built-in gearbox available in 3 ratios
- Double PTO drive shaft

Tipo pompa Pump type	Portata Volume		Pressione Pressure			Riduttore / Gearbox g/min r.p.m.	Potenza Power	
	L/min	US Gpm	bar	MPa	p.s.i.		hp	kW
LK-N 36	140	37.0	400	40	5800	1500/1750/1900	161	118,0
LK-N 40	173	45.7	350	35	5075	1500/1750/1900	173	127,2
LK-N 45	218	57.6	280	28	4060	1500/1750/1900	176	129,0
LK-N 50	269	71.1	230	23	3335	1500/1750/1900	177	130,0
LK-N 55	326	86.1	190	19	2755	1500/1750/1900	178	131,0
LK.N 60	388	102.5	160	16	2320	1500/1750/1900	178	131,0

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

LK-N

Versioni inox duplex ASTM F51
(testata da billetta) e inox 17/4 ph
(valvole aspir./mandata)

Duplex ASTM F51 s.s. versions,
block style manifold, 17/4 ph s.s.
in/out valves.

Accessori *Accessories*

Valvole di sicurezza certificate
Certified safety valves pag. **74 - 75**

Regolatori di pressione
Regulating valves pag. **76 - 77**

Valvole automatiche
Unloader valves pag. **78**

Valvole pneumatiche
Pneumatic valves pag. **79 - 80**

Valvole di sicurezza inox
S.S. safety valves pag. **81**

Filtri
Filtres pag. **82**

Lance complete
Spray guns pag. **83**

Ugelli rotanti
Rotating nozzles pag. **83**

Ugelli
Nozzles pag. **84**

Distributori pneumatici
Pneumatic dumping valves pag. **84**

Accumulatori antipulsazioni
Pulsation dampeners pag. **85**

Manometri
Pressure gauges pag. **86**

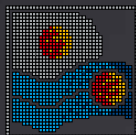
Valvole di non ritorno
Check valves pag. **87**

Valvole a pedale
Foot valves pag. **87**

Slitte tendicinghie
Slides pag. **87**



**INTERPUMP
GROUP**



Pratissoli



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 ♦ CERTIFICATO ♦ CERTIFICAT



CERTIFICATO CERTIFICATE

**Controllo di fabbricazione interno e sorveglianza della verifica finale
(Modulo A1)
secondo direttiva 97/23/CE**

Internal manufacturing control with monitoring of the final assessment (Module A1) according to
Directive 97/23/CE

Certificato No.: TIS-PED-BO-13-03-048054-6299
Certificat 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
installations within the scope of the examination with the EC-Mark and our identification number as illustrated

CE 0948

Rapporto di collaudo No.: R-TIS-PED-BO-13-03-048054-6107
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 Kdr
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



CONFERMAZIONE
SISTEMI DI GESTIONE
PER IL SISTEMA DI GESTIONE
QUALITÀ
SECONDO LE NORME UNI EN ISO 9001
E UNI EN ISO 14001
E UNI EN ISO 45001



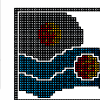
TÜV ITALIA Srl
Organismo Notificato PED dir. 97/23/CE

[Signature]
Giovanni Oliva

Preparare osservare le note sul retro.
Please observe the notes on the reverse.

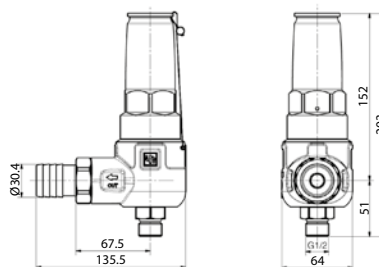
Organismo Notificato No. 0948
Notified Body, Identification No. 0910

TÜV Italia • Gruppo TÜV SÜD • Via Certi, 125, P.le. 22 • 20099 Sesto San Giovanni (MI) • Italia • www.tuv.it



S723

Portata massima Flow max. rate	230 l/min 61 gpm
Pressione massima Pressure max.	700 bar 70 MPa 10150 psi
Temperatura max. - Temp max.	85°C - 185°F
Peso - Weight	1,7 kg - 3,8 lbs

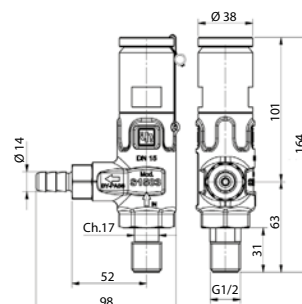


Per pompe - For pumps

KE - KT - KF - HF - KS
MW - MK - MKS


S1503

Portata massima Flow max. rate	30 l/min 7.9 gpm
Pressione massima Pressure max.	1500 bar 150 MPa 21755 psi
Temperatura max. - Temp max.	40°C - 104°F
Peso - Weight	1 kg - 2,2 lbs



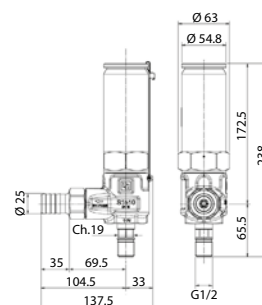
Per pompe - For pumps

VFH - VKH - SM14



S1510

Portata massima Flow max. rate	100 l/min 26.4 gpm
Pressione massima Pressure max.	1500 bar 150 MPa 21755 psi
Temperatura max. - Temp max.	40°C - 104°F
Peso - Weight	2,7 kg - 5,95 lbs



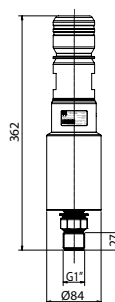
Per pompe - For pumps

SM - SKH



S1520

Portata massima Flow max. rate	240 l/min 63 gpm
Pressione massima Pressure max.	1500 bar 150 MPa 21755 psi
Temperatura max. - Temp max.	40°C - 104°F
Peso - Weight	8 kg - 17,8 lbs



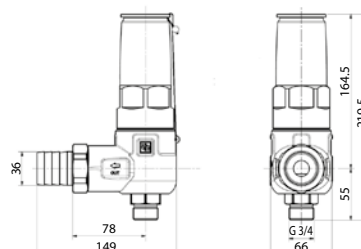
Per pompe - For pumps

SRhp- TRhp



S455

Portata massima Flow max. rate	500 l/min 132 gpm
Pressione massima Pressure max.	450 bar 45 MPa 6525 psi
Temperatura max. - Temp max.	85°C - 185°F
Peso - Weight	3,2 kg - 7,2 lbs

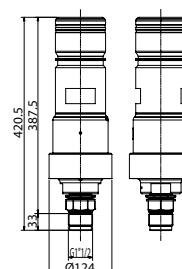


Per pompe - For pumps

MW - MK - MKS
LK - MF

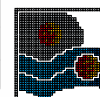

S4090

Portata massima Flow max. rate	950 l/min 251 gpm
Pressione massima Pressure max.	400 bar 40 MPa 5800 psi
Temperatura max. - Temp max.	85°C - 185°F
Peso - Weight	20 kg - 45 lbs



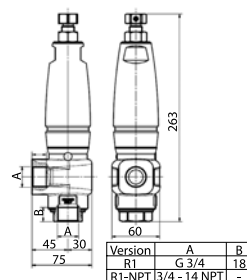
Per pompe - For pumps

SRlp- TRlp



R1

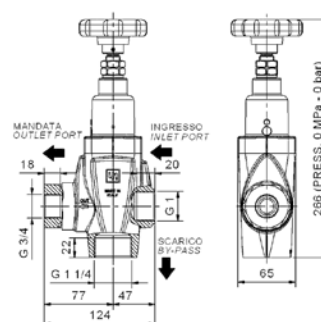
	R1 200	R1 400	R1 600
Portata massima <i>Flow max. rate</i>	110 l/min 29 gpm	110 l/min 29 gpm	70 l/min 18.5 gpm
Pressione massima <i>Pressure max.</i>	200 bar 20 MPa 2900 psi	400 bar 40 MPa 5800 psi	600 bar 60 MPa 8700 psi
Temperatura max. <i>Temp max.</i>	85°C - 185°F	85°C - 185°F	85°C - 185°F
Peso - <i>Weight</i>	2,5 kg - 5,5 lbs	2,5 kg - 5,5 lbs	2,5 kg - 5,5 lbs


Per pompe - *For pumps*

KE - KT 16 - 18 - 20
22 - 24 - 30 - 32
KF 28 - 30 - KS 28


R2

Portata massima <i>Flow max. rate</i>	230 l/min 61 gpm
Pressione massima <i>Pressure max.</i>	210 bar 21 MPa 3045 psi
Temperatura max. - <i>Temp max.</i>	85°C - 185°F
Peso - <i>Weight</i>	4,5 kg - 9,9 lbs

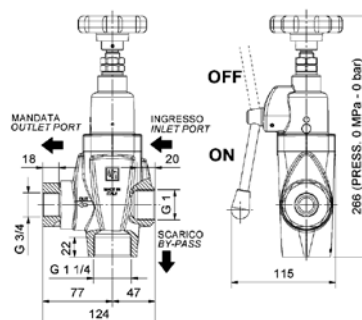

Per pompe - *For pumps*

KT - KF - KS



R2L

Portata massima <i>Flow max. rate</i>	230 l/min 61 gpm
Pressione massima <i>Pressure max.</i>	210 bar 21 MPa 3045 psi
Temperatura max. - <i>Temp max.</i>	85°C - 185°F
Peso - <i>Weight</i>	5 kg - 11 lbs

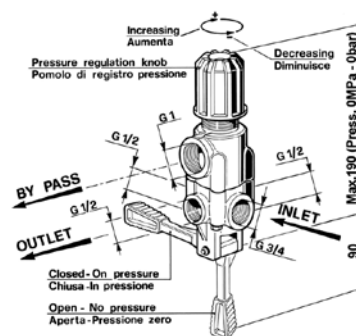

Per pompe - *For pumps*

KT - KF - KS



TIMAX 100

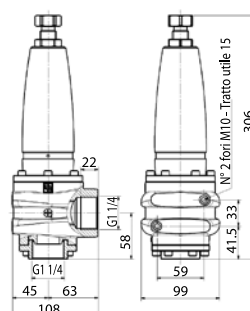
Portata massima <i>Flow max. rate</i>	200 l/min 52.8 gpm
Pressione massima <i>Pressure max.</i>	100 bar 10 MPa 1450 psi
Temperatura max. - <i>Temp max.</i>	85°C - 185°F
Peso - <i>Weight</i>	1,7 kg - 3,7 lbs


Per pompe - *For pumps*

KE - KT - KTM - KFM
MWM - MKM


R3LP

Portata massima <i>Flow max. rate</i>	500 l/min 132 gpm
Pressione massima <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

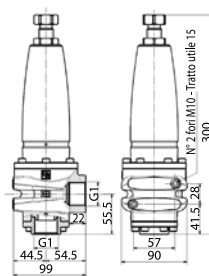

Per pompe - *For pumps*

MW - MK - MKS - LK



R3HP

Portata massima <i>Flow max. rate</i>	341 l/min 90 gpm
Pressione massima <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 lbs



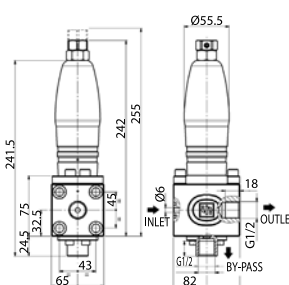
Per pompe - For pumps

MW - MK - MKS - LK



R1503

Portata massima <i>Flow max. rate</i>	30 l/min 7.9 gpm
Pressione massima <i>Pressure max.</i>	1500 bar 150 MPa 21755 psi
Temperatura max. - <i>Temp max.</i>	40°C - 104°F
Peso - <i>Weight</i>	6,3 kg - 14,3 lbs



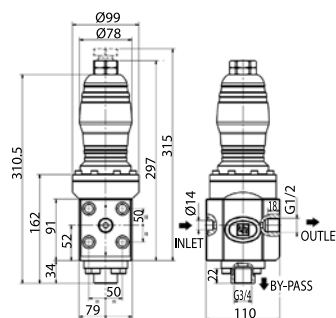
Per pompe - For pumps

VFH - VKH - SM14



R1510

Portata massima <i>Flow max. rate</i>	100 l/min 26.4 gpm
Pressione massima <i>Pressure max.</i>	1500 bar 150 MPa 21755 psi
Temperatura max. - <i>Temp max.</i>	40°C - 104°F
Peso - <i>Weight</i>	10 kg - 22 lbs



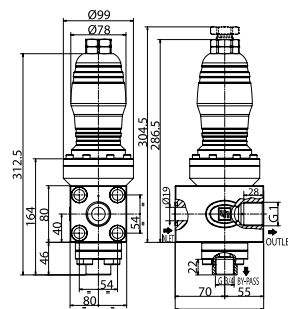
Per pompe - For pumps

SM - SKH



R1520

Portata massima <i>Flow max. rate</i>	240 l/min 63 gpm
Pressione massima <i>Pressure max.</i>	1500 bar 150 MPa 21750 psi
Temperatura max. - <i>Temp max.</i>	40°C - 104°F
Peso - <i>Weight</i>	9 kg - 20 lbs



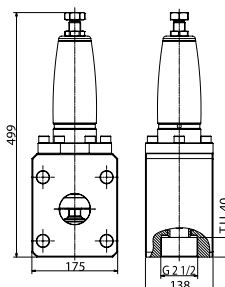
Per pompe - For pumps

SRhp - TRhp



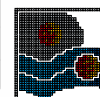
R4090

R4090	LP	HP
Portata massima <i>Flow max. rate</i>	965 l/min 255 gpm	833 l/min 220 gpm
Pressione massima <i>Pressure max.</i>	220 bar 22 MPa 3190 psi	400 bar 40 MPa 5800 psi
Temperatura max. <i>Temp max.</i>	60°C - 140°F	
Peso - <i>Weight</i>	37 kg - 82 lbs	



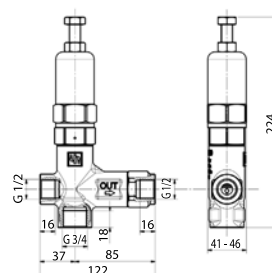
Per pompe - For pumps

SRIp - TRIp



BH210

Portata massima Flow max. rate	110 l/min 29 gpm
Pressione massima Pressure max.	210 bar 21 MPa 3045 psi
Temperatura max. - Temp max.	85°C - 185°F
Peso - Weight	1,95 kg - 4,3 lbs



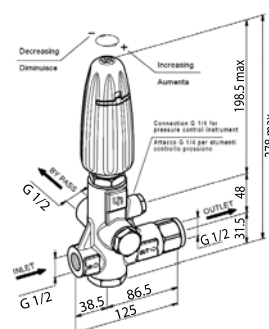
Per pompe - For pumps

KE - KT



H560

Portata massima Flow max. rate	60 l/min 15.8 gpm
Pressione massima Pressure max.	500 bar 50 MPa 7250 psi
Temperatura max. - Temp max.	60°C - 140°F
Peso - Weight	2,7 kg - 5,95 lbs



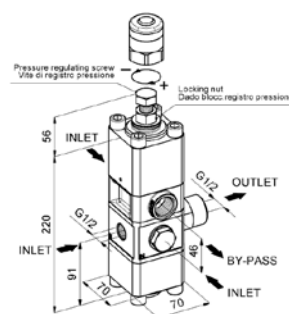
Per pompe - For pumps

KE - KT - HF



BKX600

Portata massima Flow max. rate	60 l/min 15.8 gpm
Pressione massima Pressure max.	600 bar 60 MPa 8700 psi
Temperatura max. - Temp max.	60°C - 140°F
Peso - Weight	7,74 kg - 17,03 lbs



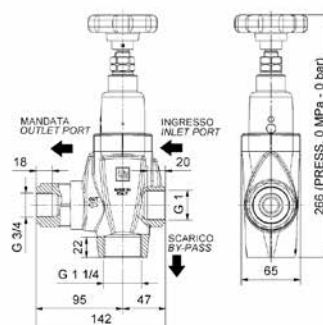
Per pompe - For pumps

KE - KT - HF



RA2

Portata massima Flow max. rate	230 l/min 61 gpm
Pressione massima Pressure max.	210 bar 21 MPa 3045 psi
Temperatura max. - Temp max.	85°C - 185°F
Peso - Weight	4,8 kg - 10,6 lbs



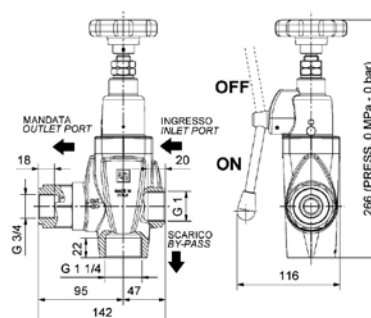
Per pompe - For pumps

KT - KF - KS



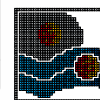
RA2L

Portata massima Flow max. rate	230 l/min 61 gpm
Pressione massima Pressure max.	210 bar 21 MPa 3045 psi
Temperatura max. - Temp max.	85°C - 185°F
Peso - Weight	5,3 kg - 11,7 lbs



Per pompe - For pumps

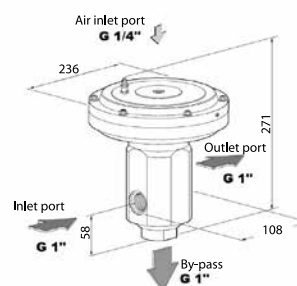
KT - KF - KS



PN2



	PN2 140	PN2 250	PN2 500
Portata massima Flow max. rate	230 l/min 61 gpm	230 l/min 61 gpm	230 l/min 61 gpm
Pressione massima Pressure max.	140 bar 14 MPa 2030 psi	250 bar 25 MPa 3626 psi	500 bar 50 MPa 7250 psi
Temperatura max. Temp max.	60°C - 140°F	60°C - 140°F	60°C - 140°F
Peso - Weight	16 kg - 35,2 lbs	16 kg - 35,2 lbs	16 kg - 35,2 lbs



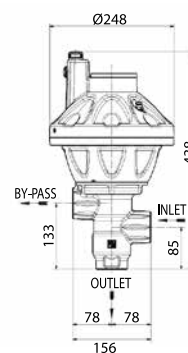
Per pompe
For pumps

KE - KT - KF
KS - MW

PN4



	PN4 200	PN4 300	PN4 450
Portata massima Flow max. rate	500 l/min 132 gpm	390 l/min 103 gpm	260 l/min 69 gpm
Pressione massima Pressure max.	200 bar 20 MPa 2900 psi	300 bar 30 MPa 4350 psi	450 bar 45 MPa 6530 psi
Temperatura max. Temp max.	60°C - 140°F	60°C - 140°F	60°C - 140°F
Peso - Weight	16 kg - 35 lbs	16 kg - 35 lbs	16 kg - 35 lbs



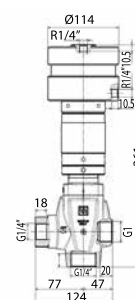
Per pompe - For pumps

MW - MK - MKS - LK

PNR2



Portata massima Flow max. rate	230 l/min 61 gpm
Pressione massima Pressure max.	210 bar 21 MPa 3045 psi
Temperatura max. - Temp max.	85°C - 185°F
Peso - Weight	4,7 kg - 10,3 lbs



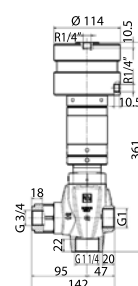
Per pompe - For pumps

KT - KF - KS

PNRA2

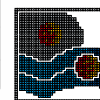


Portata massima Flow max. rate	230 l/min 61 gpm
Pressione massima Pressure max.	210 bar 21 MPa 3045 psi
Temperatura max. - Temp max.	85°C - 185°F
Peso - Weight	5 kg - 11 lbs



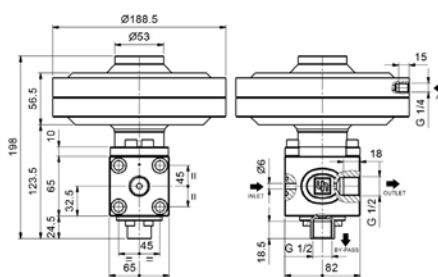
Per pompe - For pumps

KT - KF - KS



PNR1503

Portata massima Flow max. rate	30 l/min 7.9 gpm
Pressione massima Pressure max.	1500 bar 150 MPa 21755 psi
Temperatura max. - Temp max.	40°C - 104°F
Peso - Weight	6 kg - 13,2 lbs



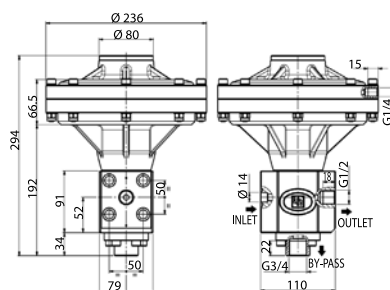
Per pompe - For pumps

VFH - VKH - SM14



PNR1510

Portata massima Flow max. rate	100 l/min 24.4 gpm
Pressione massima Pressure max.	1500 bar 150 MPa 21755 psi
Temperatura max. - Temp max.	40°C - 104°F
Peso - Weight	13,5 kg - 29,7 lbs



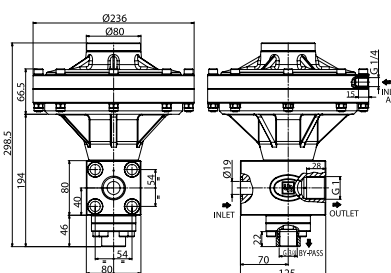
Per pompe - For pumps

SM - SKH



PNR1520

Portata massima Flow max. rate	240 l/min 63 gpm
Pressione massima Pressure max.	1500 bar 150 MPa 21755 psi
Temperatura max. - Temp max.	40°C - 104°F
Peso - Weight	13,5 kg - 29,7 lbs



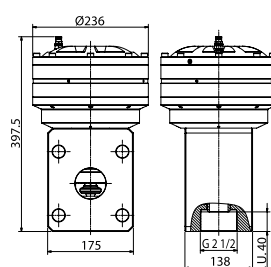
Per pompe - For pumps

SRhp - TRhp



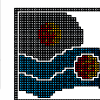
PNR4090

	LP	HP
Portata massima Flow max. rate	965 l/min 255 gpm	833 l/min 220 gpm
Pressione massima Pressure max.	220 bar 22 MPa 3190 psi	400 bar 40 MPa 5800 psi
Temperatura max. Temp max.	60°C - 140°F	
Peso - Weight	43 kg - 95 lbs	



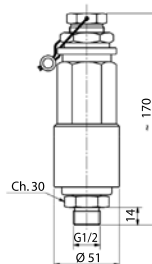
Per pompe - For pumps

SRlp - TRlp



SX2

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

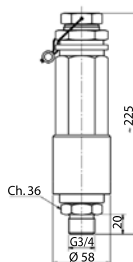


Per pompe - For pumps

SS70 - SN70 - SN71
HFN


SX3

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



Per pompe - For pumps

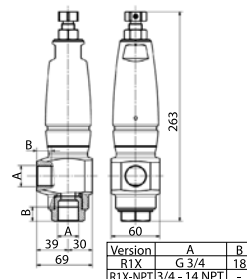
MWN - LKN

VALVOLE REGOLAZIONE INOX - S. S. REGULATING VALVES



R1X

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

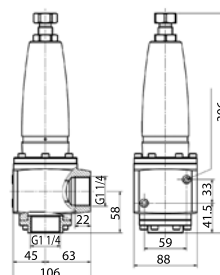


Per pompe - For pumps

SS70 - SN70 - SN71
HFN


R3Xlp

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



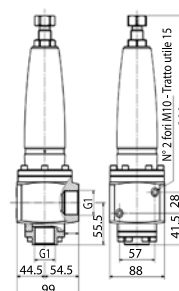
Per pompe - For pumps

MWN - LKN



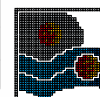
R3Xhp

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



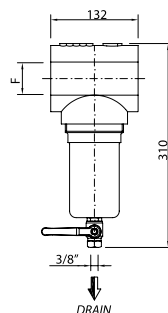
Per pompe - For pumps

MWN - LKN



F10

Portata massima <i>Flow max. rate</i>	100 l/min 26.4 gpm
Pressione massima <i>Pressure max.</i>	10 bar 1 MPa 145 psi
Temperatura max. - <i>Temp max.</i>	60°C - 140°F
Peso - <i>Weight</i>	1,6 kg - 3,55 lbs



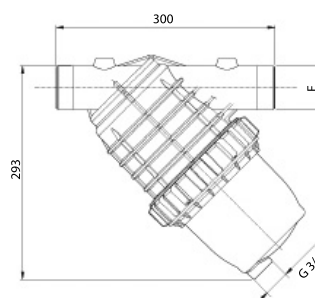
Per pompe - *For pumps*

KE - KT - HF



F30

Portata massima <i>Flow max. rate</i>	230 l/min 61 gpm
Pressione massima <i>Pressure max.</i>	8 bar 0,8 MPa 120 psi
Temperatura max. - <i>Temp max.</i>	60°C - 140°F
Peso - <i>Weight</i>	1,75 kg - 3,9 lbs



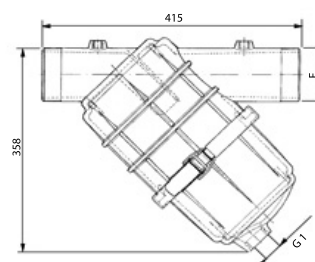
Per pompe - *For pumps*

KE - KT - KF - KS



F40

Portata massima <i>Flow max. rate</i>	500 l/min 132 gpm
Pressione massima <i>Pressure max.</i>	8 bar 0,8 MPa 120 psi
Temperatura max. - <i>Temp max.</i>	60°C - 140°F
Peso - <i>Weight</i>	3 kg - 6,7 lbs



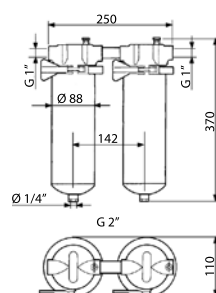
Per pompe - *For pumps*

KS - MW - MK -
MKS - LK



F50/80

Portata massima <i>Flow max. rate</i>	40 l/min 10.5 gpm
Pressione massima <i>Pressure max.</i>	10 bar 1 MPa 145 psi
Temperatura max. - <i>Temp max.</i>	60°C - 140°F
Peso - <i>Weight</i>	5,5 kg - 12,1 lbs



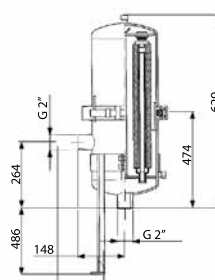
Per pompe - *For pumps*

VFH - VKH



F60

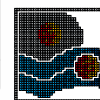
Portata massima <i>Flow max. rate</i>	200 l/min 52 gpm
Pressione massima <i>Pressure max.</i>	10 bar 1 MPa 145 psi
Temperatura max. - <i>Temp max.</i>	60°C - 140°F
Peso - <i>Weight</i>	15 kg - 33 lbs



Per pompe - *For pumps*

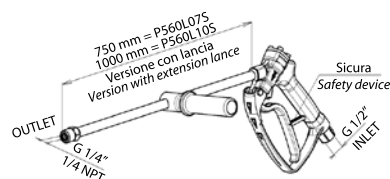
SM - SKH

LANCE COMPLETE - SPRAY GUNS



P560

Portata massima Flow max. rate	60 l/min 15.85 gpm
Pressione massima Pressure max.	600 bar 60 MPa 8700 psi
Temperatura max. - Temp max.	70°C - 158°F
Peso - Weight	2,22 kg - 4,93 lbs



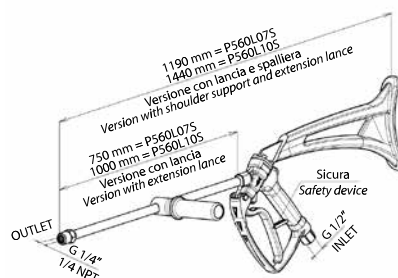
Per pompe - For pumps

Tutte le Pompe
All Pumps



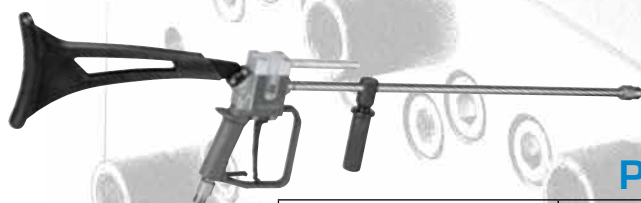
P560S

Portata massima Flow max. rate	60 l/min 15.85 gpm
Pressione massima Pressure max.	600 bar 60 MPa 8700 psi
Temperatura max. - Temp max.	70°C - 158°F
Peso - Weight	2,52 kg - 5,6 lbs



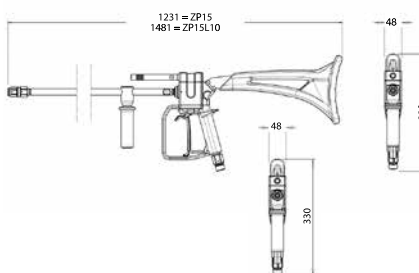
Per pompe - For pumps

Tutte le Pompe
All Pumps



P15

Portata massima Flow max. rate	40 l/min 10.57 gpm
Pressione massima Pressure max.	1500 bar 150 MPa 22000 psi
Temperatura max. - Temp max.	60°C - 140°F
Peso - Weight	5,7 kg - 12,54 lbs



Per pompe - For pumps

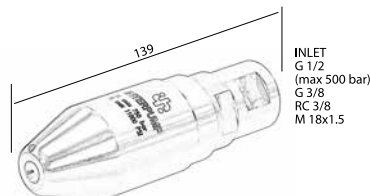
VFH - VKH - SM
SKH - KV

UGELLI ROTANTI - ROTATING NOZZLES

RMAX750



Portata massima Flow max. rate	50 l/min 13.2 gpm
Pressione massima Pressure max.	750 bar 75 MPa 11000 psi
Temperatura max. - Temp max.	60°C - 140°F
Peso - Weight	1 kg - 2,2 lbs



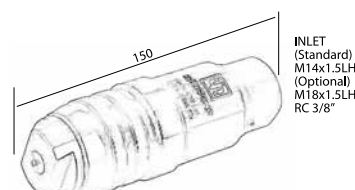
Per pompe - For pumps

HF - VFH - VKH - SM
SKH

RMAX 1500

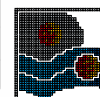


Portata massima Flow max. rate	42 l/min 11.1 gpm
Pressione massima Pressure max.	1500 bar 150 MPa 22000 psi
Temperatura max. - Temp max.	60°C - 140°F
Peso - Weight	1,2 kg - 2,64 lbs



Per pompe - For pumps

VFH - VKH - SM - SKH



N1

Pressione massima Pressure max.	250 bar 25 Mpa 3650 psi
Diametro / Diameter mm	0,80 ÷ 3,00



N3/0°

Pressione massima Pressure max.	1000 bar 100 Mpa 14500 psi
Diametro / Diameter mm	0,70 ÷ 2,30



N3/30°

Pressione massima Pressure max.	500 bar 50 Mpa 7250 psi
Diametro / Diameter mm	0,70 ÷ 1,10



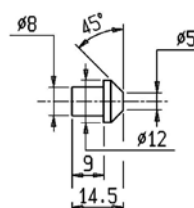
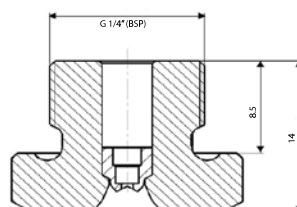
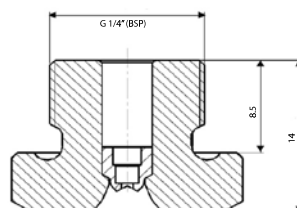
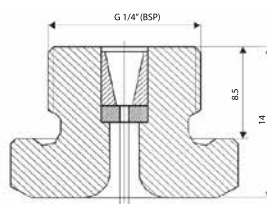
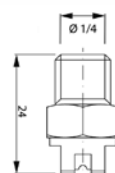
N3/40°

Pressione massima Pressure max.	500 bar 50 Mpa 7250 psi
Diametro / Diameter mm	1,20 ÷ 1,50



N4/0°

Pressione massima Pressure max.	1500 bar 150 Mpa 21750 psi
Diametro / Diameter mm	0,50 ÷ 1,50



Per lance - For spray guns

P560 - P560S

Per lance - For spray guns

P560 - P560S

P15 type A

Per lance - For spray guns

P560 - P560S

P15 type A

Per lance - For spray guns

P560 - P560S

P15 type A

Per lance - For spray guns

P15 type B

DISTRIBUTORI PNEUMATICI - PNEUMATING DUMPING VALVES



PN15

Portata massima Flow max. rate	80 l/min 21 gpm
Pressione massima Pressure max.	1500 bar 150 MPa 21755 psi
Temperatura max. - Temp max.	60°C - 140°F
Peso - Weight	13,5 kg - 30 lbs



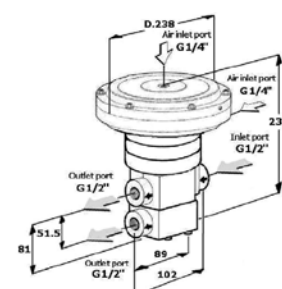
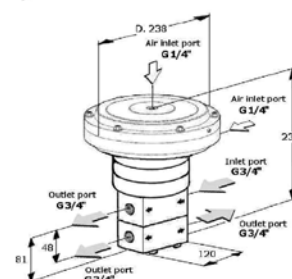
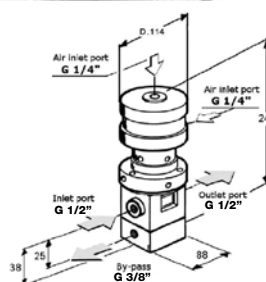
PN14/800

Portata massima Flow max. rate	120 l/min 31.7 gpm
Pressione massima Pressure max.	800 bar 80 MPa 11600 psi
Temperatura max. - Temp max.	60°C - 140°F
Peso - Weight	14 kg - 30,8 lbs



PN14/1500

Portata massima Flow max. rate	80 l/min 21.1 gpm
Pressione massima Pressure max.	1500 bar 150 MPa 21800 psi
Temperatura max. - Temp max.	60°C - 140°F
Peso - Weight	13 kg - 28,6 lbs



Per pompe - For pumps

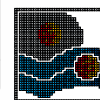
VF - VK - SM - SK
SRhp - TR hp

Per pompe - For pumps

VF - VK - SM - SK
SRhp - TR hp

Per pompe - For pumps

VF - VK - SM - SK
SRhp - TR hp



A4X - SS 316 L

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

Per pompe - For pumps

KE - KT



A7

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

Per pompe - For pumps

KT - KF



A7S

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

Per pompe - For pumps

KT - KF



A7X - SS 316 L

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

Per pompe - For pumps

SS70 - SN70 - MWN



A15

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

Per pompe - For pumps

MW - MK - MKS - LK

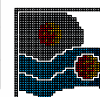


A15X - SS 316 L

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

Per pompe - For pumps

MWK - LKN



PG1 - PG2



Pressione massima Pressure max.	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 - Connection	1/4" Gas

Per pompe - For pumps

Tutte le pompe
All pumps

PG3



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

Per pompe - For pumps

Tutte le pompe
All pumps

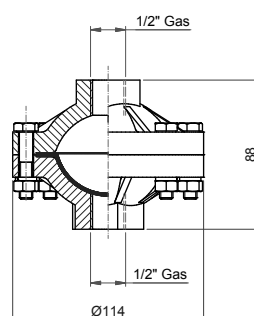
SEPARATORI A MEMBRANA - PRESSURE GAUGE SEPARATORS

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

SD1



Volume olio Oil volume	0,06 dm ³
Pressione di lavoro Working pressure	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

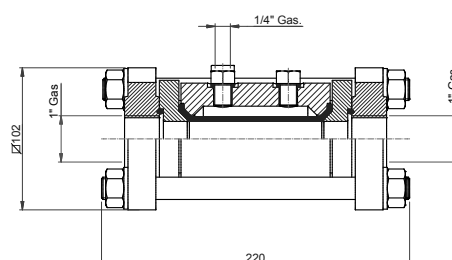

Per pompe
For pumps

KT45M - KF5M
MF7M - MK9M

SM40



Volume olio Oil volume	0,07 dm ³
Pressione di lavoro Working pressure	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

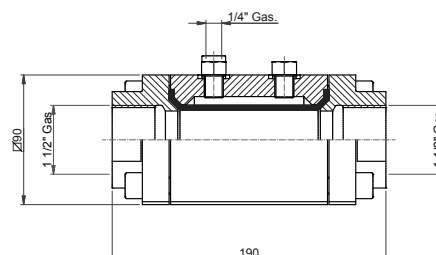

Per pompe
For pumps

KF5M - MF7M
MK9M

SM50



Volume olio Oil volume	0,164 dm ³
Pressione di lavoro Working pressure	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

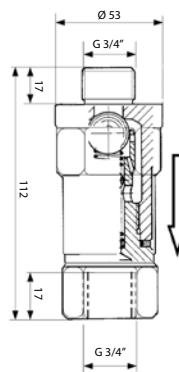

Per pompe
For pumps

MF7M - MK9M

VALVOLE A PEDALE - FOOT VALVES



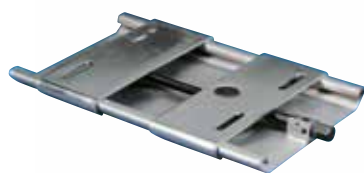
Portata massima <i>Flow rate max.</i>	180 l/min 48 gpm
Pressione massima <i>Pressure max.</i>	250 bar 25 MPa 3650 psi
Temperatura max. - <i>Temp max.</i>	60°C - 140°F
Peso - <i>Weight</i>	1,2 kg - 2,64 lbs
Pressione apertura <i>Release pressure</i>	Optional 5 bar - 73 psi
	Standard 0,2 bar - 3 psi



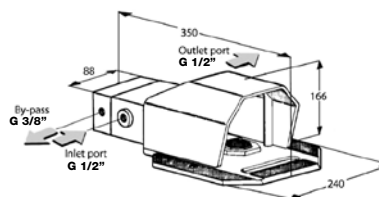
KE - KT - KF - HF - MW



SLITTA TENDICINGHIE - *SLIDES*

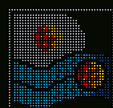


Portata massima <i>Flow max. rate</i>	80 l/min 21.1 gpm
Pressione massima <i>Pressure max.</i>	1500 bar 150 MPa 21755 psi
Temperatura max. - <i>Temp max.</i>	60°C - 140°F
Peso - <i>Weight</i>	10,5 kg - 23,1 lbs



VF - WK - SM - SK
KV - HF

KE - KT - KF - HF - VF



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