

50HP

KF series



Scheda tecnica,  
esplosi, manuali  
uso e manuten-  
zione

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

## COSTRUZIONE / CONSTRUCTION

|                   |                  |
|-------------------|------------------|
| POWER FRAME       | 71               |
| CONFIGURATION     | TRIPLEX HOR      |
| MATERIAL STANDARD | S.S. / ALU / CER |

CARTER SIMMETRICO per conversione  
rapida sporgenza albero dx o sx.

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

**NEW**  
UNLOADER VALVE



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



H1520



H2820

## Standard

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

## Run dry - Hi Temp.

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

## AISI 316L s.s. - Hi Temp. 85°C

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

## AISI 420 s.s. - Hi Temp. 85°C

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

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

## OPZIONI TRASMISSIONI - DRIVE OPTIONS



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



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



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

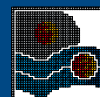


Riduttore - Gearbox  
Disponibile riduttore laterale  
rapporti 1:1,25 - 1,5 - 1,83  
Optional gear box available  
ratios 1:1,25 - 1,5 - 1,83

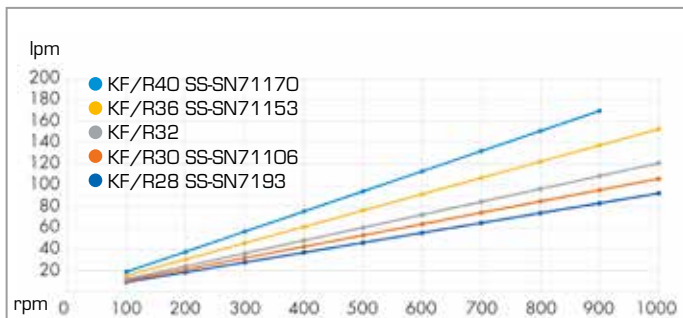
LETTORE DI GIRI ZRPM1  
ZRPM1 REVOLUTION COUNTER

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

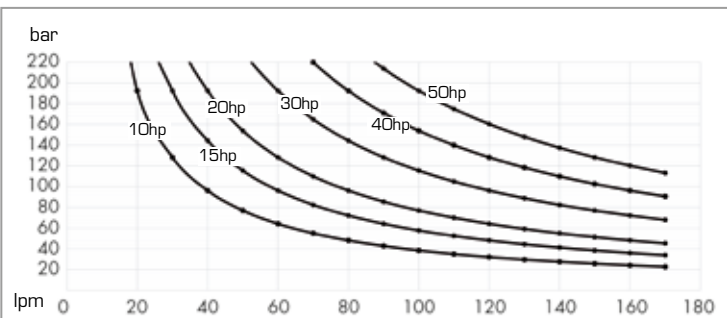




### FLOW GRAPH (crankshaft speed)

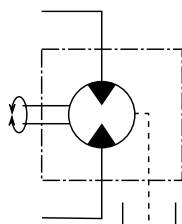
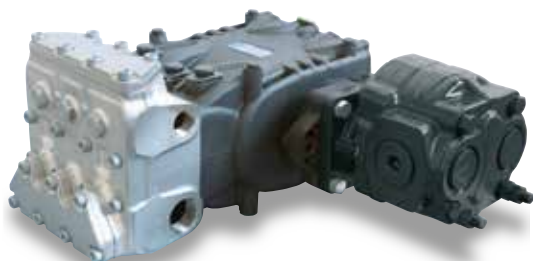


### POWER GRAPH



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

## HY-PACK HYDRAULIC POWERED PUMPS



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

Filettature motori BSPP  
*BSPP porting.*



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



ACCESSORIES VEDI Pag. 62 - SEE pag. 62

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

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

