



## YKF 1½" POMPA INTERNAL ECCENTRIC GEAR PUMP



### POMPA DEĞERLERİ / PUMP PROPERTIES

|       |                         |
|-------|-------------------------|
| Q     | : 5,7 m <sup>3</sup> /h |
| Hm    | :1 ~ 14 Bar             |
| T     | :0 ~ 200 °C             |
| n     | :1400 d/d               |
| Visc. | :100 ~ 250.000 SSU      |

### KULLANIM ALANLARI

- Fuel Oil Servis Tankları, Gaz Yağı, Mazot Tankerlerinde
- Reçine ve Polimerler
- Asfalt ve Bitüm
- Kağıt ve Boya Sanayinde
- Küçük çapta kızgın yağ sirkülasyonlarında
- İlaç, kimya ve deterjan sanayinde
- Gıda Sanayinde.

### USE AREAS

- Fuel Oil Service Tanks, Gasoil, Diesel Tankers
- Resin and Polymer
- Asphalt and Bitumen
- Paper and Paint/dye industry
- Circulation of Hot Oil (limited)
- Medicine, Chemical and Detergent Industry
- Food Industry.

### MALZEME SEÇENEKLERİ

- Pompa Gövdesi, Kapaklar : Dökme (pik) demir, Sfero döküm, Çelik döküm, Paslanmaz AISI 304- AISI 316 döküm
- Dişliler : Sfero döküm, Çelik döküm, Paslanmaz AISI 304- AISI 316 döküm
- Yataklar : Snbz 12 bronz, karbon grafit, Silisyum Karbür, Sert Metal Kaplama, rulman
- Sızdırmazlık: Yumuşak Salmastra, Rotatherm Salmastra, Mekanik salmastra. Keçeli Sistem, Kartex Mekanik Salmastra

### MATERIAL OPTIONS

- Pump Body, covers : Pig Cast Iron, Spheroidal Cast iron, Cast Steel, AISI 304/316 CrNi Stainless Steel
- Gears : Spheroidal Cast iron, Cast Steel, AISI 304/316 CrNi Stainless Steel
- Bearings: Snbz 12 bronze, carbon graphite, silicon carbide, hard metal coated steel, bearing
- Sealing: Soft Seal or Packing Gland, Rotatherm Seal, Lip Seal, Mechanical Seal, Cartridge Type Mechanical Seal



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### İÇTEN EKSANTİK DİŞLİ POMPA ÇALIŞMA PRENSİBİ / WORKING PRINCIPLE OF INTERNAL ECCENTRIC GEAR PUMP

Yıldız Pompa' nın "dişli içinde dişli" prensibinde sadece iki tane hareketli parça vardır. Bütün pozitif deplasmanlı YILDIZ dişli pompalarının güvenilir ve verimli çalışmasının sırrı budur. Sıvının pozitif deplasmanı (yer değiştirmesi) rotor ve avare dişlisinin dişleri arasındaki boşluğun komple dolmasıyla sağlanmaktadır. Bütün dişli pompalarda olduğu gibi, YILDIZ POMPA' da da performansın en üst noktaya çıkmasını sınırlayıcı yegane faktör, pompalanan sıvının diğerlerine göre daha temiz olmasını istemesidir.

Pompa milinin her devrinde emiş ağzı yoluyla belli bir miktar sıvı pompaya girer. Bu sıvı rotor ile avare dişlisi arasındaki boşluğu doldurur. Pompa kapağında bulunan hilal, çıkış ağzına doğru pürüzsüz şekilde hareket eden sıvının akışını ayırır. Kendi dişleri ile hilalin iç yüzeyi arasında sıvıyı taşıyan avare dişlisi pompa kapağının desteklediği bir mil üzerinde döner. Dişleri arasında sıvıyı taşıyan rotor dişlisi pompa gövdesi ile hilalin dış yüzeyi arasında hareket eder ve pompa miline bağlıdır.

*YILDIZ's simple "gear-within a gear" principle has only two moving parts. It is the secret of dependable, efficient operation of all positive displacement YILDIZ POMPA's PUMPS. The positive displacement of liquid is accomplished by the complete filling of the spaces between the teeth of the rotor and idler gears. The only limiting factor to peak performance in YILDIZ POMPA, as with all rotary pumps, is that the liquid pumped must be comparatively clean.*

*With every revolution of the pump's shaft, a definite amount of liquid enters the pump through the suction port. This liquid fills the spaces between the teeth of the rotor and the idler. The crescent on the pump head splits the flow of liquid as it moves smoothly towards the discharge port. The idler gear, which carries the liquid between its teeth and the inside surface of the crescent is connected to pump cover. On the otherhand, rotor gear which is rotated directly with pump shaft delivers the liquid between gear teeth and crescent's souter surface.*





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Yandaki renkli kısım sıvının pompa gövdesindeki emiş ağızı alanına, rotor dişlisi ve avare dişlisi dişleri arasındaki dişli boşlukları alanına girişini gösterir. İki siyah ok pompanın dönüş ve sıvının ilerleyişini gösterir.

*The yellow colored portion at side indicates the liquid as it enters the suction port area of the casing and the area between the rotor teeth and corresponding concave area between the idler teeth. The two black arrows indicate the pump rotation and progress of the liquid.*



"Dişli içinde dişli" prensibinde çalışan dişliler ile pompa içinde sıvının ilerleyişine dikkat edin. Aynı zamanda, pompa kapağı üzerindeki hilal şeklinin sıvıyı nasıl böldüğüne ve emiş ile boşaltma ağızları arasında bir keçe (conta) gibi vazife gördüğüne dikkat ediniz.

*Notice the progress of the liquid through the pump and between the teeth of rotor idler gear. Also, note how the crescent shape on the head divides the liquid and acts as a seal between the suction and discharge ports.*



Bu resim pompanın iç kısmının dolup sıvının boşaltma ağızı alanına itilmesinden hemen önceki durumunu göstermektedir. Avare ve rotor dişlilerinin dizaynının sıvı için nasıl bir kapalı cep oluşturduğuna ve bunun tam bir hacim kontrolü sağlanmasını nasıl garantilediğine dikkat ediniz.

*This illustration shows the pump in a nearly flooded condition just previous to the liquid being forced into the discharge port area. Notice how the gear design of the idler and rotor form locked pockets for the liquid to guarantee absolute volume control.*



Bu görüntü pompanın tamamen dolup taşıdığı durumu ve sıvının boşaltma işlemini, boşaltma ağızından ilerleyişini göstermektedir. Emiş ve boşaltma ağızlarına eşit mesafede sızdırmaz bir keçe oluşturan, sıvıyı boşaltma ağızından dışarı doğru iten, rotor ve avare dişlisinin dişleri birbiri içine geçer.

*The view shows the pump in a completely flooded condition and in the process of discharging the liquid through discharge port. The rotor and idler teeth mesh, forming a seal equidistant between the both ports, forcing liquid out the discharge port.*





## YKF 1½" POMPA INTERNAL ECCENTRIC GEAR PUMP



| YK-1½" - YKF-1½" - YKYF-1½" POMPASINA AİT KAPASİTE VE GÜÇ TABLOSU /<br>CAPACITY AND POWER TABLE |                            |                          |         |         |         |                        |
|-------------------------------------------------------------------------------------------------|----------------------------|--------------------------|---------|---------|---------|------------------------|
| KAPASİTE (m³/h)<br>CAPACITY (Q)                                                                 | DEVİR (d/d)<br>SPEED (rpm) | ÇIKIŞ BASINCI / PRESSURE |         |         |         | VİSKOZİTE<br>VISCOSITY |
|                                                                                                 |                            | 3 Bar                    | 6 Bar   | 9 Bar   | 12 Bar  |                        |
| 0,200                                                                                           | 60                         | 0,5 HP                   | 0,5 HP  | 0,75 HP | 0,75 HP | 75.000 SSU             |
| 0,250                                                                                           | 80                         | 0,5 HP                   | 0,75 HP | 1 HP    | 1 HP    | 25.000 SSU             |
| 0,300                                                                                           | 100                        | 0,75 HP                  | 1 HP    | 1 HP    | 1 HP    | 25.000 SSU             |
| 3,7                                                                                             | 900                        | 1,5 HP                   | 2 HP    | 3 HP    | 4 HP    | 750 SSU                |
| 5,7                                                                                             | 1400                       | 2 HP                     | 3 HP    | 4 HP    | 5,5 HP  | 100 SSU                |

| MOTOR GÜÇLERİ<br>MOTOR POWERS |                | MOTOR GÜÇLERİ<br>MOTOR POWERS |                | MOTOR GÜÇLERİ<br>MOTOR POWERS |                |
|-------------------------------|----------------|-------------------------------|----------------|-------------------------------|----------------|
| 1 HP                          | 900 d/d (rpm)  | 1,5 HP                        | 750 d/d (rpm)  | 2 HP                          | 750 d/d (rpm)  |
| 1,5 HP                        | 900 d/d (rpm)  | 2 HP                          | 900 d/d (rpm)  | 3 HP                          | 900 d/d (rpm)  |
| 1,5 HP                        | 1400 d/d (rpm) | 3 HP                          | 1400 d/d (rpm) | 5,5 HP                        | 1400 d/d (rpm) |
| 2 HP                          | 1400 d/d (rpm) | 4 HP                          | 1400 d/d (rpm) | MOTOR GÖVDESİ<br>MOTOR BODY   |                |
| MOTOR GÖVDESİ<br>MOTOR BODY   |                | MOTOR GÖVDESİ<br>MOTOR BODY   |                | 112                           |                |
| 90                            |                | 100                           |                |                               |                |

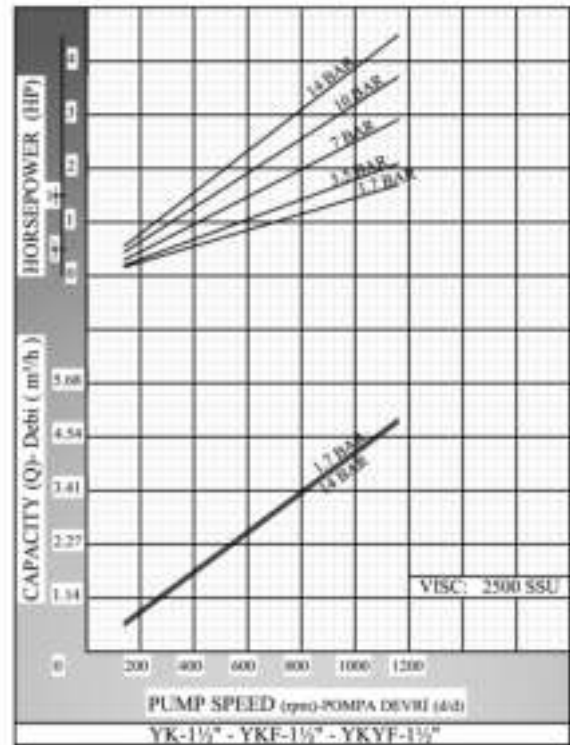
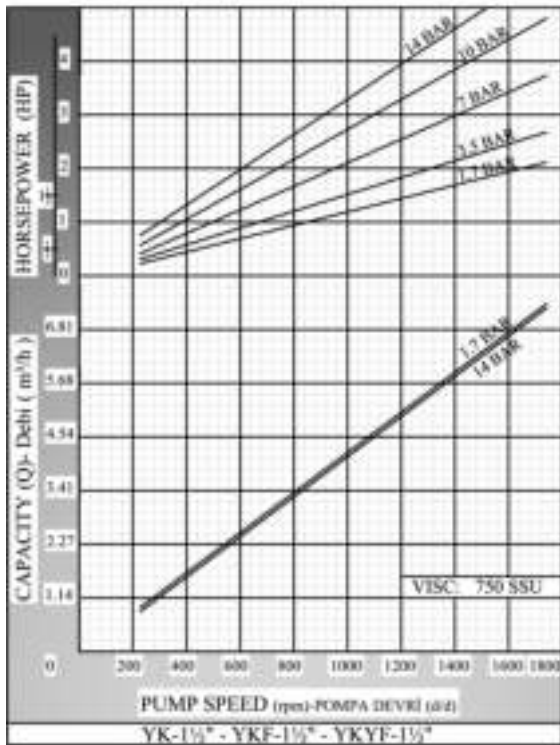
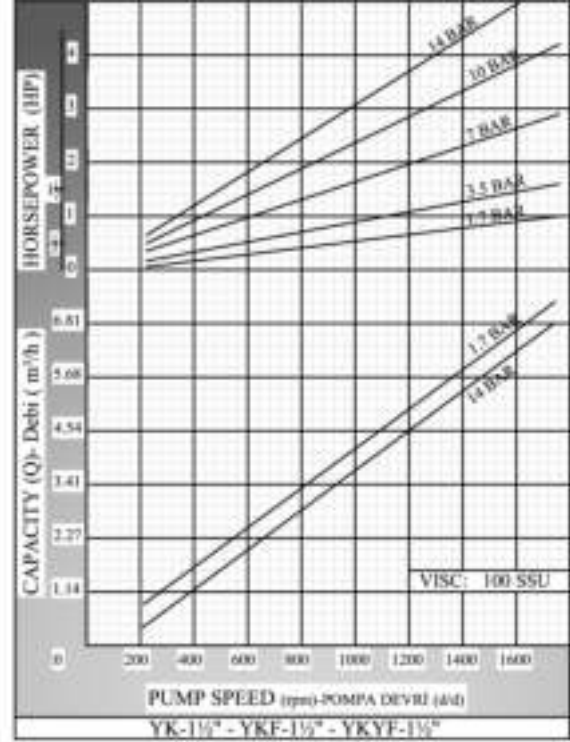
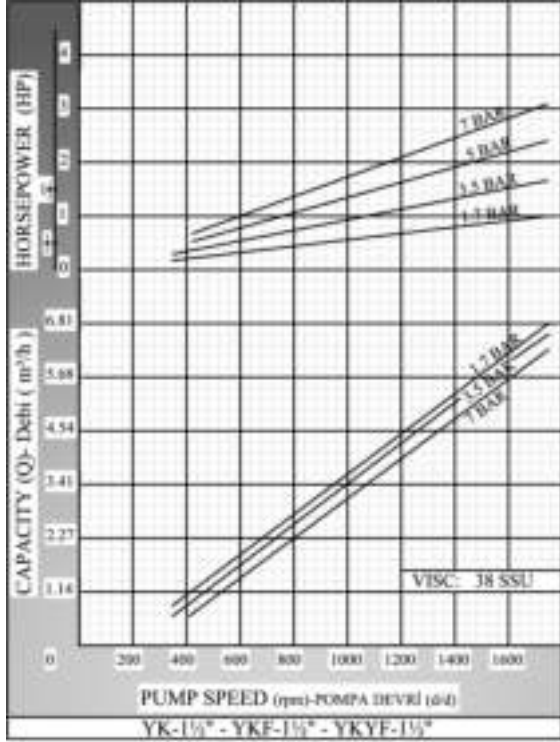




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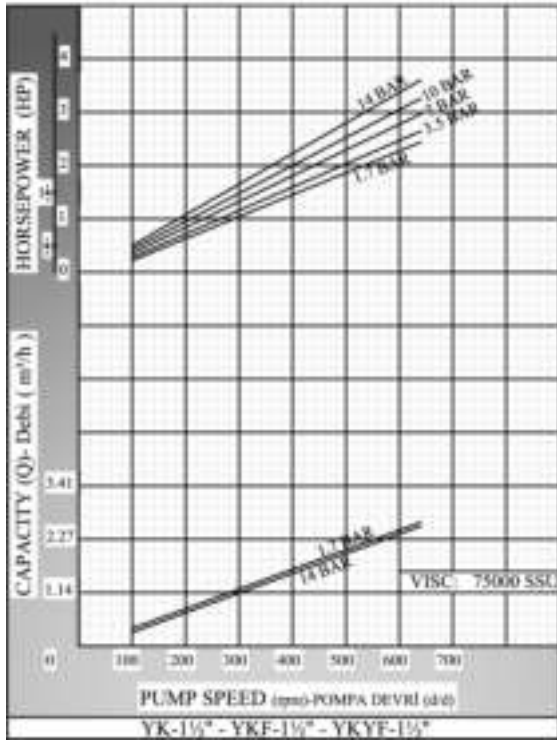
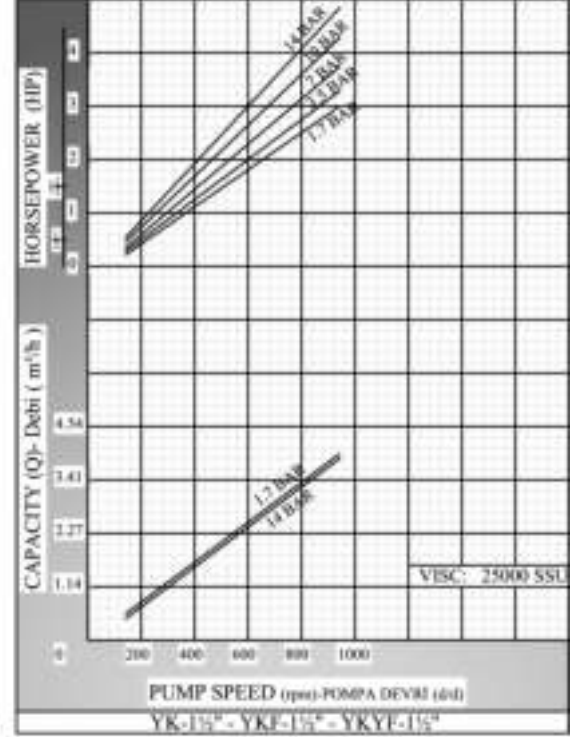
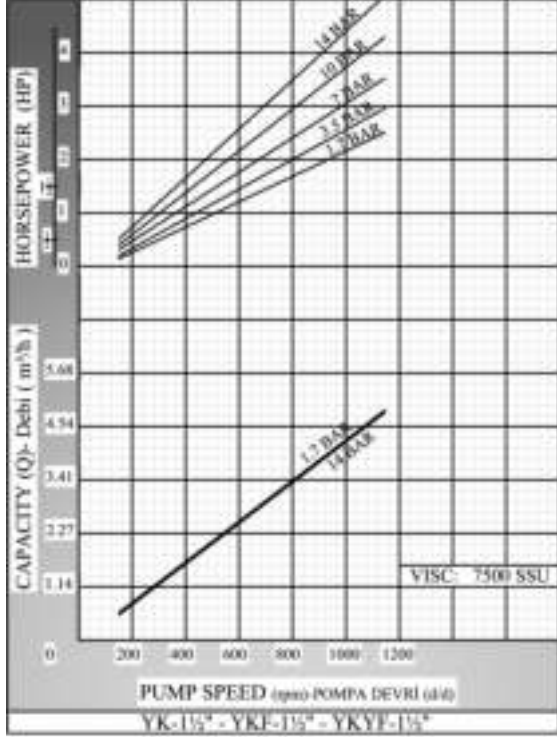


### KAPASİTE EĞRİLERİ / CAPACITY GRAPHS





## YKF 1½" POMPA INTERNAL ECCENTRIC GEAR PUMP



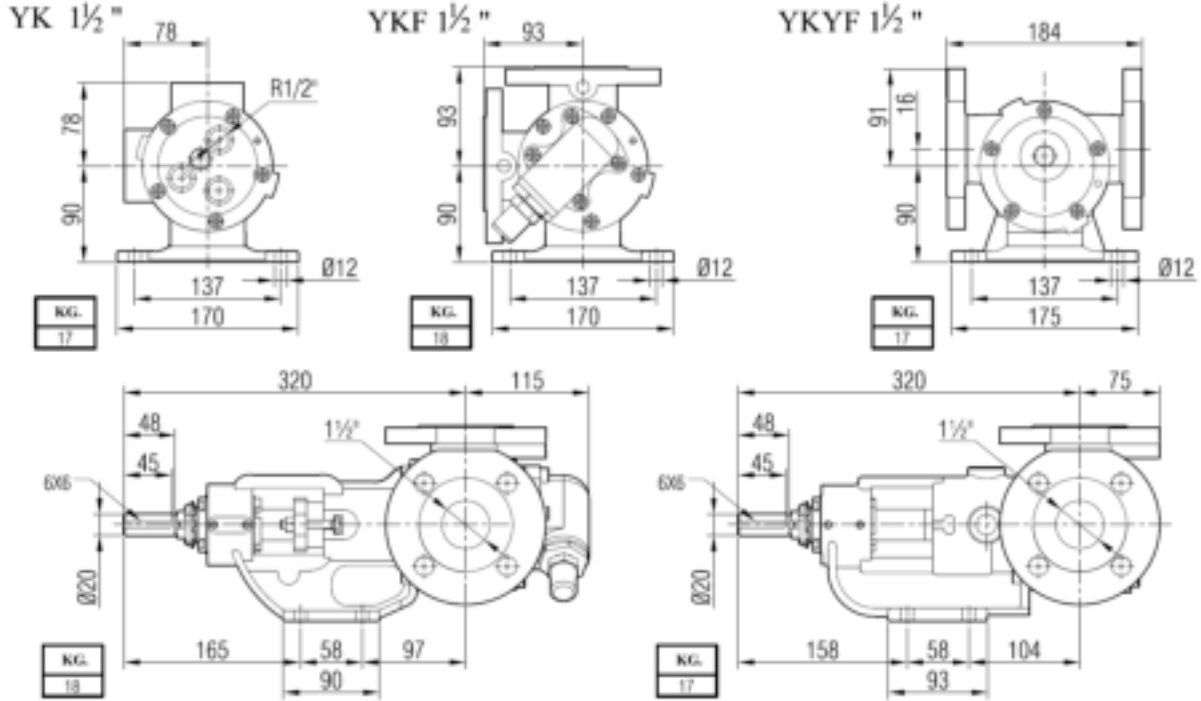




## YKF 1½" POMPA INTERNAL ECCENTRIC GEAR PUMP



### POMPA BOYUT ÖLÇÜLERİ / PUMP DIMENSIONS

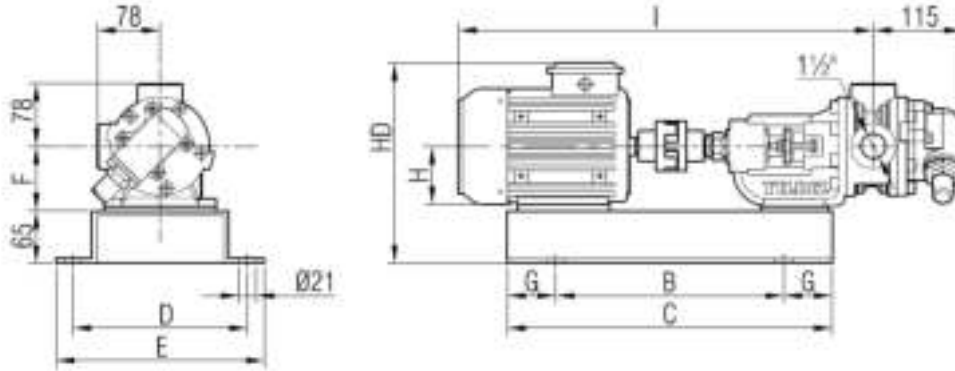




## YKF 1½" POMPA INTERNAL ECCENTRIC GEAR PUMP



### AKUPLAJ ÖLÇÜLERİ / COUPLING DIMENSIONS MOTOR AKUPELİ / MOTOR DRIVE



| MOTOR GÜC VE DEVİRLERİ /<br>MOTOR POWER AND SPEED |                |            | I   | HD  | H   | B   | C   | D   | E   | F   | G   | kg.   |
|---------------------------------------------------|----------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1 hp / 0,75 kw                                    | 900 d/d (rpm)  | MOTOR 90S  | 648 | 281 | 90  | 380 | 500 | 260 | 300 | 90  | 60  | 37    |
| 1,5 hp / 1,1 kw                                   | 1400 d/d (rpm) |            | 37  |     |     |     |     |     |     |     |     |       |
| 1,5 hp / 1,1 kw                                   | 900 d/d (rpm)  | MOTOR 90L  | 700 |     |     |     |     |     |     |     |     | 39    |
| 2 hp / 1,5 kw                                     | 1400 d/d (rpm) |            | 39  |     |     |     |     |     |     |     |     |       |
| 1,5 hp / 1,1 kw                                   | 750 d/d (rpm)  | MOTOR 100L | 746 | 300 | 100 | 430 | 550 | 310 | 350 | 112 | 100 | 47    |
| 2 hp / 1,5 kw                                     | 900 d/d (rpm)  |            |     |     |     |     |     |     |     |     |     | 47    |
| 3 - 4 hp / 2,2 - 3 kw                             | 1400 d/d (rpm) | MOTOR 112M | 761 | 323 | 112 | 420 | 620 | 310 | 350 | 112 | 100 | 46/50 |
| 2 hp / 1,5 kw                                     | 750 d/d (rpm)  |            |     |     |     |     |     |     |     |     |     | 64    |
| 3 hp / 2,2 kw                                     | 900 d/d (rpm)  |            |     |     |     |     |     |     |     |     |     | 64    |
| 5,5 hp / 4 kw                                     | 1400 d/d (rpm) |            |     |     |     |     |     |     |     |     |     | 65    |



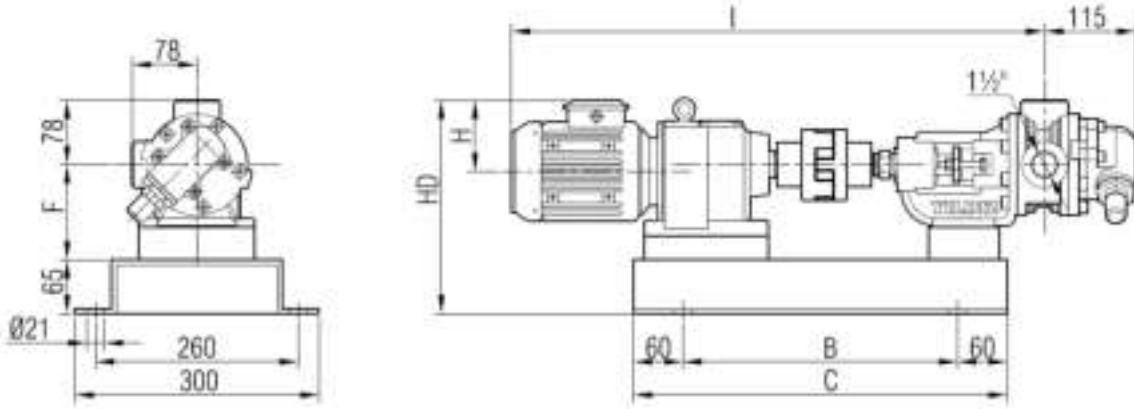




## YKF 1½" POMPA INTERNAL ECCENTRIC GEAR PUMP



### AKUPLAJ ÖLÇÜLERİ / COUPLING DIMENSIONS REDÜKTÖR AKUPELİ / GEARBOX DRIVE



| MOTOR GÜÇ VE DEVİRLERİ /<br>MOTOR POWER AND SPEED |                   |            | I   | HD  | H   | B   | C   | F   | kg.   |
|---------------------------------------------------|-------------------|------------|-----|-----|-----|-----|-----|-----|-------|
| 1 hp / 0,75 kw                                    | 90/400 d/d (rpm)  | RAM42/80M  | 761 | 269 | 118 | 350 | 470 | 90  | 42    |
| 1,5 hp / 1,1 kw                                   | 200/400 d/d (rpm) | RAM42/90S  | 780 | 283 | 132 |     |     |     | 46    |
| 1 hp / 0,75 kw                                    | 40/240 d/d (rpm)  | RAM53/80M  | 788 | 267 | 118 | 380 | 500 |     | 51    |
| 1,5 hp / 1,1 kw                                   | 60/382 d/d (rpm)  | RAM53/90S  | 806 | 282 | 132 |     |     |     | 54    |
| 2 hp / 1,5 kw                                     | 87/540 d/d (rpm)  | RAM52/90L  | 831 |     |     |     |     |     | 55    |
| 3 - 4 hp / 2,2 - 3 kw                             | 300/540 d/d (rpm) | RAM52/100L | 860 | 291 | 141 |     |     |     | 59/62 |
| 5,5 hp / 4 kw                                     | 87/540 d/d (rpm)  | RAM62/112M | 953 | 318 | 149 | 430 | 550 | 115 | 80    |

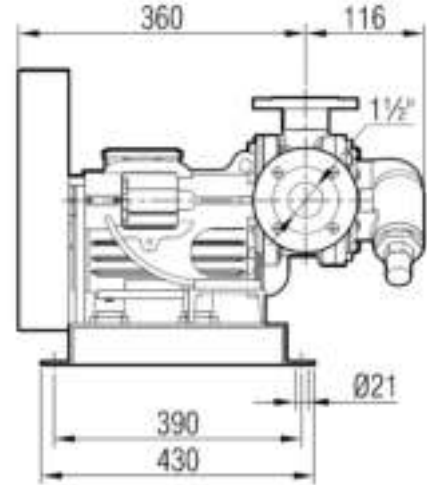
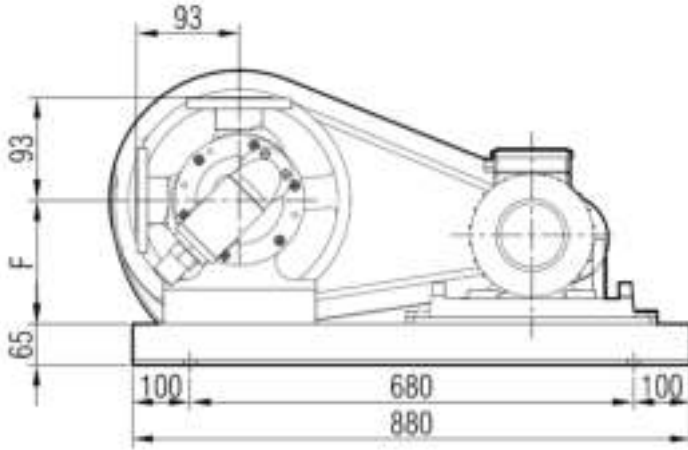




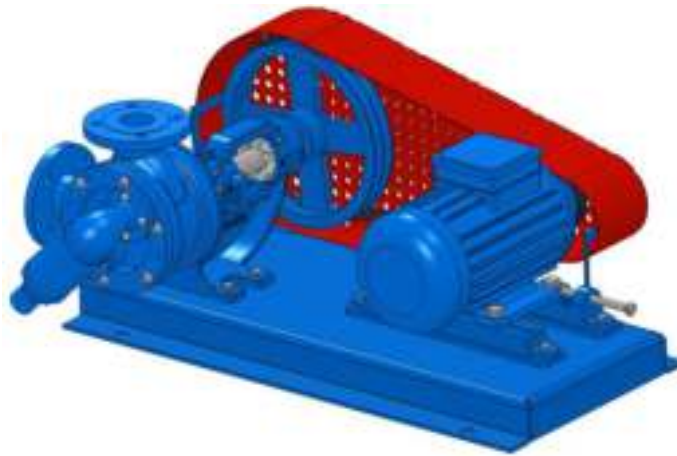
## YKF 1½" POMPA INTERNAL ECCENTRIC GEAR PUMP



### KAYIŞ KASNAK AKUPLELİ POMPA ÖLÇÜLERİ / BELT PULLEY COUPLING PUMP DIMENSIONS



| MOTOR GÜÇ VE DEVİRLERİ /<br>MOTOR POWER AND SPEED |            | Pompa Devirleri /<br>Pump speeds |          |          |          | F <sub>01</sub> | F <sub>02</sub> | F <sub>03</sub> | F <sub>04</sub> | kg. |
|---------------------------------------------------|------------|----------------------------------|----------|----------|----------|-----------------|-----------------|-----------------|-----------------|-----|
|                                                   |            | m<br>d/d                         | m<br>d/d | m<br>d/d | m<br>d/d |                 |                 |                 |                 |     |
| 3 hp / 2.2 kw                                     | MOTOR 100L |                                  |          |          |          |                 |                 |                 |                 | 90  |
| 4 hp / 3 kw                                       | MOTOR 100L |                                  |          |          |          |                 |                 |                 |                 | 95  |
| 5.5 hp / 4 kw                                     | MOTOR 112M | 450                              | 400      | 350      | 310      | 150             | 190             | 200             | 200             | 105 |
| 7.5 hp / 5.5 kw                                   | MOTOR 132S |                                  |          |          |          |                 |                 |                 |                 | 115 |
| 10 hp / 7.5 kw                                    | MOTOR 132M |                                  |          |          |          |                 |                 |                 |                 | 125 |



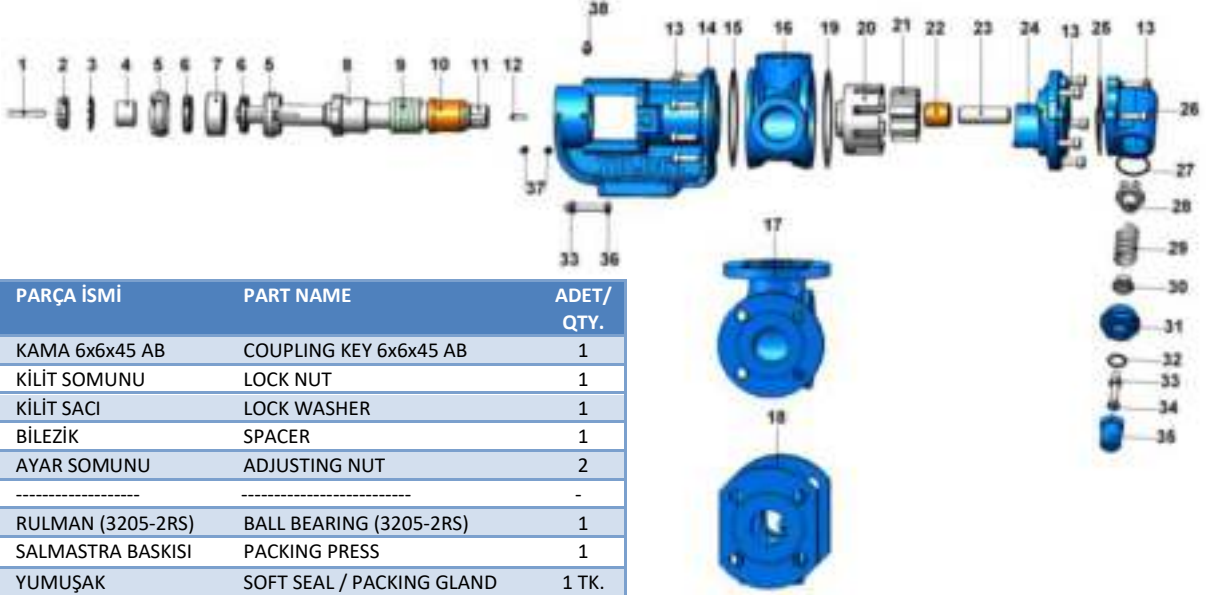


## YKF 1½" POMPA INTERNAL ECCENTRIC GEAR PUMP



### YEDEK PARÇA LİSTESİ / SPARE PARTS LIST

YUMUŞAK SALMASTRALI VE BYPASSLI / SEALED WITH SOFT SEAL AND PRESSURE RELIEF  
VALVE ON COVER



| No | PARÇA İSMİ                    | PART NAME                         | ADET/<br>QTY. |
|----|-------------------------------|-----------------------------------|---------------|
| 1  | KAMA 6x6x45 AB                | COUPLING KEY 6x6x45 AB            | 1             |
| 2  | KİLİT SOMUNU                  | LOCK NUT                          | 1             |
| 3  | KİLİT SACI                    | LOCK WASHER                       | 1             |
| 4  | BİLEZİK                       | SPACER                            | 1             |
| 5  | AYAR SOMUNU                   | ADJUSTING NUT                     | 2             |
| 6  | -----                         | -----                             | -             |
| 7  | RULMAN (3205-2RS)             | BALL BEARING (3205-2RS)           | 1             |
| 8  | SALMASTRA BASKISI             | PACKING PRESS                     | 1             |
| 9  | YUMUŞAK<br>SALMASTRA          | SOFT SEAL / PACKING GLAND         | 1 TK.         |
| 10 | KONSOL BURCU                  | BRACKET BUSHING                   | 1             |
| 11 | MİL                           | SHAFT                             | 1             |
| 12 | KAMA 6x6x20 A                 | ROTOR GEAR 6x6x20 A               | 1             |
| 13 | IMBUS CİVATA M8x25            | IMBUS BOLT M8x25                  | 17            |
| 14 | KONSOL                        | BRACKET                           | 1             |
| 15 | KONSOL CONTASI                | BRACKET GASKET                    | 1             |
| 16 | ARA GÖVDE (BORU<br>DİŞLİ 90°) | CASING (w/ 90° THREADED<br>PORTS) | 1             |
| 17 | ARA GÖVDE (FLANŞLI<br>90°)    | CASING (w/ 90° FLANGED<br>PORTS)  | 1             |
| 18 | ARA GÖVDE (FLANŞLI<br>180°)   | CASING (w/ 180° FLANGED<br>PORTS) | 1             |
| 19 | KAPAK CONTASI                 | COVER GASKET                      | 1             |
| 20 | ÇEVRE DİŞLİ                   | ROTOR GEAR                        | 1             |
| 21 | AVARA DİŞLİ                   | IDLER GEAR                        | 1             |
| 22 | AVARA DİŞLİ BURCU             | IDLER BUSHING                     | 1             |
| 23 | KAPAK MİLİ                    | COVER PIN                         | 1             |
| 24 | KAPAK (BYPASSLI)              | COVER (w/ BYPASS INLETS)          | 1             |
| 25 | BYPASS CONTASI                | BYPASS GASKET                     | 1             |
| 26 | BYPASS                        | PRESSURE RELIEF VALVE –<br>BYPASS | 1             |
| 27 | BYPASS O-RING                 | BYPASS O-RING                     | 1             |
| 28 | KLEPE                         | VALVE                             | 1             |
| 29 | YAY                           | SPRING                            | 1             |
| 30 | PUL                           | WASHER                            | 1             |
| 31 | BYPASS KAPAĞI                 | BYPASS COVER                      | 1             |
| 32 | TIJ KAPAK O-RİNG              | CAP O-RING                        | 1             |
| 33 | M8 SOMUN                      | NUT M8                            | 3             |
| 34 | 6 KÖŞE CİVATA M8x55           | ADJUSTING SCREW M8x55             | 1             |
| 35 | TIJ KAPAĞI                    | CAP                               | 1             |
| 36 | 6 KÖŞE CİVATA M8x50           | HEX BOLT M8x50                    | 2             |
| 37 | SETUSKUR M8x16                | GRUB SCREW M8x16                  | 4             |



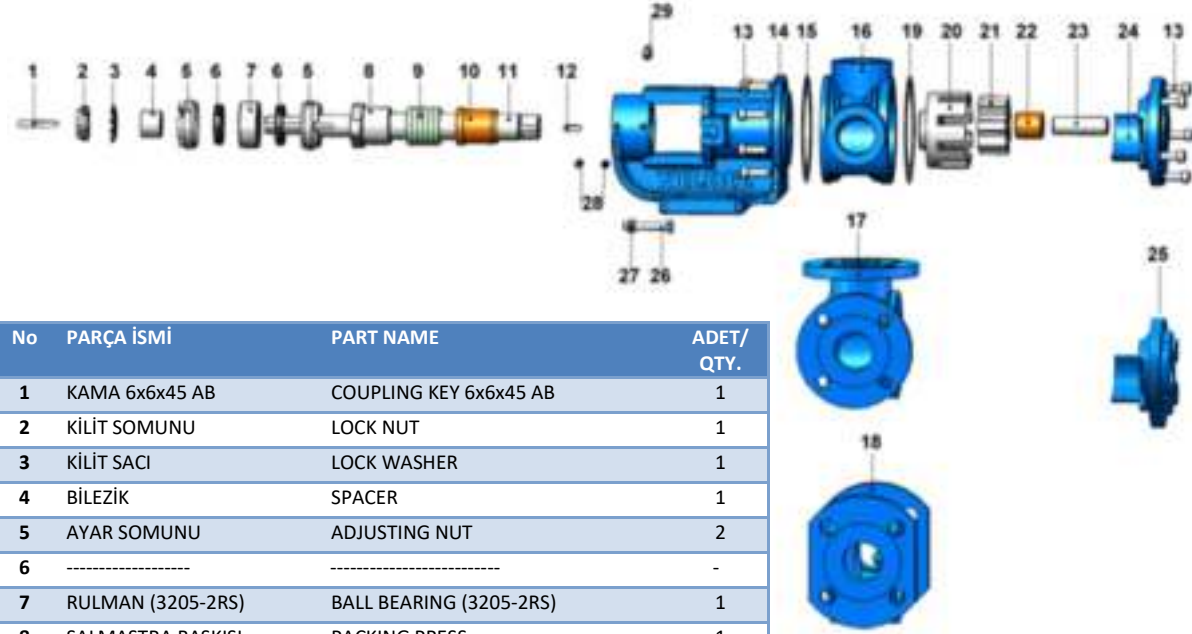


## YKF 1½" POMPA INTERNAL ECCENTRIC GEAR PUMP



### YEDEK PARÇA LİSTESİ / SPARE PARTS LIST

YUMUŞAK SALMASTRALI, CEKETLİ VE KÖR KAPAKLI / SEALED WITH SOFT SEAL, JACKETED,  
AND WITH BLIND COVER



| No | PARÇA İSMİ                                 | PART NAME                                       | ADET/<br>QTY. |
|----|--------------------------------------------|-------------------------------------------------|---------------|
| 1  | KAMA 6x6x45 AB                             | COUPLING KEY 6x6x45 AB                          | 1             |
| 2  | KİLİT SOMUNU                               | LOCK NUT                                        | 1             |
| 3  | KİLİT SACI                                 | LOCK WASHER                                     | 1             |
| 4  | BİLEZİK                                    | SPACER                                          | 1             |
| 5  | AYAR SOMUNU                                | ADJUSTING NUT                                   | 2             |
| 6  | -----                                      | -----                                           | -             |
| 7  | RULMAN (3205-2RS)                          | BALL BEARING (3205-2RS)                         | 1             |
| 8  | SALMASTRA BASKISI                          | PACKING PRESS                                   | 1             |
| 9  | YUMUŞAK SALMASTRA                          | SOFT SEAL / PACKING GLAND                       | 1 TK.         |
| 10 | KONSOL BURCU                               | BRACKET BUSHING                                 | 1             |
| 11 | MİL                                        | SHAFT                                           | 1             |
| 12 | KAMA 6x6x20 A                              | ROTOR KEY 6x6x20 A                              | 1             |
| 13 | IMBUS CİVATA M8x25                         | INBUS BOLT M8x25                                | 13            |
|    | IMBUS CİVATA M8x30<br>(CEKETLİ KAPAK İÇİN) | HEX SOCKET M8x30 FOR COVER<br>w/ HEATING JACKET | 5             |
| 14 | KONSOL                                     | BRACKET                                         | 1             |
| 15 | KONSOL CONTASI                             | BRACKET GASKET                                  | 1             |
| 16 | ARA GÖVDE (BORU DİŞLİ 90°)                 | CASING (w/ 90° THREADED PORTS)                  | 1             |
| 17 | ARA GÖVDE (FLANŞLI 90°)                    | CASING (w/ 90° FLANGED PORTS)                   | 1             |
| 18 | ARA GÖVDE (FLANŞLI 180°)                   | CASING (w/ 180° FLANGED PORTS)                  | 1             |
| 19 | KAPAK CONTASI                              | COVER GASKET                                    | 1             |
| 20 | ÇEVRE DİŞLİ                                | ROTOR GEAR                                      | 1             |
| 21 | AVARA DİŞLİ                                | IDLER GEAR                                      | 1             |
| 22 | AVARA DİŞLİ BURCU                          | IDLER BUSHING                                   | 1             |
| 23 | KAPAK MİLİ                                 | COVER PIN                                       | 1             |
| 24 | KAPAK (KÖR)                                | BLIND COVER                                     | 1             |
| 25 | KAPAK (CEKETLİ)                            | COVER (w/ HEATING JACKETS)                      | 1             |
| 26 | 6 KÖŞE CİVATA M8x50                        | HEX BOLT M8x50                                  | 2             |
| 27 | M8 SOMUN                                   | NUT M8                                          | 2             |
| 28 | SETUSKUR M8x16                             | GRUB SCREW M8x16                                | 4             |

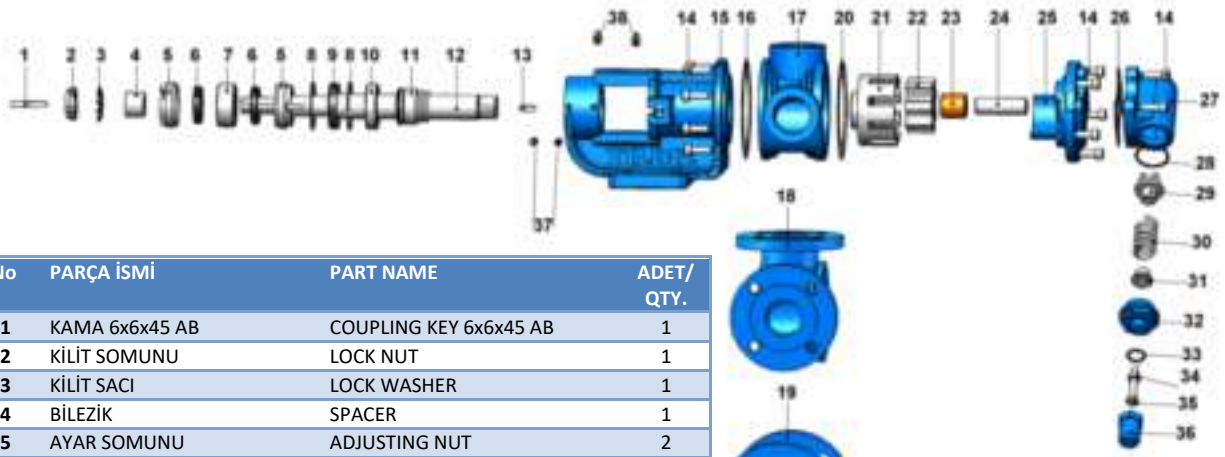


## YKF 1½" POMPA INTERNAL ECCENTRIC GEAR PUMP



### YEDEK PARÇA LİSTESİ / SPARE PARTS LIST

MEKANİK SALMASTRALI VE BYPASSLI / SEALED WITH MECHANICAL SEAL, AND PRESSURE  
RELIEF VALVE ON COVER



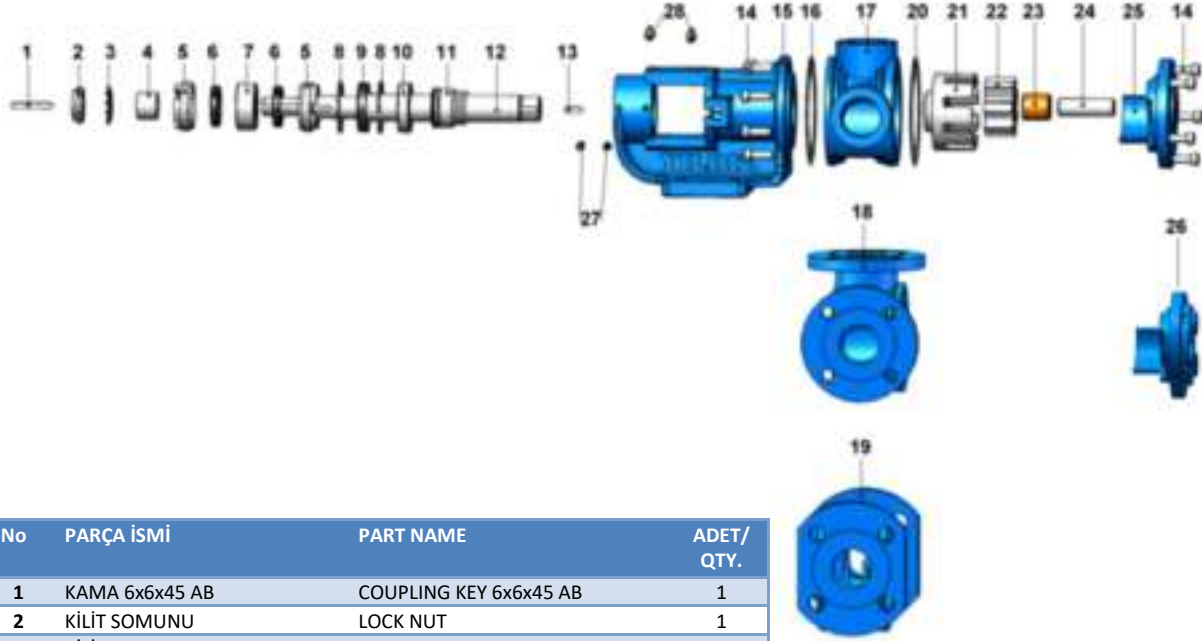
| No | PARÇA İSMİ                 | PART NAME                      | ADET/<br>QTY. |
|----|----------------------------|--------------------------------|---------------|
| 1  | KAMA 6x6x45 AB             | COUPLING KEY 6x6x45 AB         | 1             |
| 2  | KİLİT SOMUNU               | LOCK NUT                       | 1             |
| 3  | KİLİT SACI                 | LOCK WASHER                    | 1             |
| 4  | BİLEZİK                    | SPACER                         | 1             |
| 5  | AYAR SOMUNU                | ADJUSTING NUT                  | 2             |
| 6  | -----                      | -----                          | -             |
| 7  | RULMAN (3205-2RS)          | BALL BEARING (3205-2RS)        | 1             |
| 8  | İÇ SEGMAN (ø55 )           | INTERNAL CIRCLIP (ø55 )        | 2             |
| 9  | KEÇE ø30xø55x10            | LIP SEAL ø30xø55x10            | 1             |
| 10 | RULMAN (6006)              | BALL BEARING (6006)            | 1             |
| 11 | MEKANİK SALMASTRA ø30      | MECHANICAL SEAL ø30            | 1             |
| 12 | MİL                        | SHAFT                          | 1             |
| 13 | KAMA 6x6x20 A              | ROTOR KEY 6x6x20 A             | 1             |
| 14 | IMBUS CİVATA M8x25         | INBUS BOLT M8x25               | 17            |
| 15 | KONSOL                     | BRACKET                        | 1             |
| 16 | KONSOL CONTASI             | BRACKET GASKET                 | 1             |
| 17 | ARA GÖVDE (BORU DIŞLI 90°) | CASING (w/ 90° THREADED PORTS) | 1             |
| 18 | ARA GÖVDE (FLANŞLI 90°)    | CASING (w/ 90° FLANGED PORTS)  | 1             |
| 19 | ARA GÖVDE (FLANŞLI 180°)   | CASING (w/ 180° FLANGED PORTS) | 1             |
| 20 | KAPAK CONTASI              | COVER GASKET                   | 1             |
| 21 | ÇEVRE DIŞLI                | ROTOR GEAR                     | 1             |
| 22 | AVARA DIŞLI                | IDLER GEAR                     | 1             |
| 23 | AVARA DIŞLI BURCU          | IDLER BUSHING                  | 1             |
| 24 | KAPAK MİLİ                 | COVER PIN                      | 1             |
| 25 | KAPAK (BYPASSLI)           | COVER (w/ BYPASS INLETS)       | 1             |
| 26 | BYPASS CONTASI             | BYPASS GASKET                  | 1             |
| 27 | BYPASS                     | PRESSURE RELIEF VALVE – BYPASS | 1             |
| 28 | BYPASS O-RING              | BYPASS O-RING                  | 1             |
| 29 | KLEPE                      | VALVE                          | 1             |
| 30 | YAY                        | SPRING                         | 1             |
| 31 | PUL                        | WASHER                         | 1             |
| 32 | BYPASS KAPAĞI              | BYPASS COVER                   | 1             |
| 33 | TİJ KAPAK O-RİNG           | CAP O-RING                     | 1             |
| 34 | M8 SOMUN                   | NUT M8                         | 1             |
| 35 | 6 KÖŞE CİVATA M8x55        | ADJUSTING SCREW M8x55          | 1             |
| 36 | TİJ KAPAĞI                 | CAP                            | 1             |
| 37 | SETUSKUR M8x16             | GRUB SCREW M8x16               | 4             |



## YKF 1½" POMPA INTERNAL ECCENTRIC GEAR PUMP



### YEDEK PARÇA LİSTESİ / SPARE PARTS LIST MEKANİK SALMASTRALI, CEKETLİ VE KÖR KAPAKLI / SEALED WITH MECHANICAL SEAL, JACKETED, AND WITH BLIND COVER



| No | PARÇA İSMİ                                 | PART NAME                                       | ADET/<br>QTY. |
|----|--------------------------------------------|-------------------------------------------------|---------------|
| 1  | KAMA 6x6x45 AB                             | COUPLING KEY 6x6x45 AB                          | 1             |
| 2  | KİLİT SOMUNU                               | LOCK NUT                                        | 1             |
| 3  | KİLİT SACI                                 | LOCK WASHER                                     | 1             |
| 4  | BİLEZİK                                    | SPACER                                          | 1             |
| 5  | AYAR SOMUNU                                | ADJUSTING NUT                                   | 2             |
| 6  | -----                                      | -----                                           | -             |
| 7  | RULMAN (3205-2RS)                          | BEARING (3205-2RS)                              | 1             |
| 8  | İÇ SEGMAN (ø55 )                           | INTERNAL CIRCLIP (ø55 )                         | 2             |
| 9  | KEÇE ø30xø55x10                            | LIP SEAL ø30xø55x10                             | 1             |
| 10 | RULMAN (6006)                              | BALL BEARING (6006)                             | 1             |
| 11 | MEKANİK SALMASTRA ø30                      | MECHANICAL SEAL ø30                             | 1             |
| 12 | MİL                                        | SHAFT                                           | 1             |
| 13 | KAMA 6x6x20 A                              | ROTOR KEY 6x6x20 A                              | 1             |
| 14 | IMBUS CİVATA M8x25                         | INBUS BOLT M8x25                                | 13            |
|    | IMBUS CİVATA M8x30<br>(CEKETLİ KAPAK İÇİN) | INBUS BOLT M8x30 FOR COVER<br>w/ HEATING JACKET | 5             |
| 15 | KONSOL                                     | BRACKET                                         | 1             |
| 16 | KONSOL CONTASI                             | BRACKET GASKET                                  | 1             |
| 17 | ARA GÖVDE (BORU DIŞLI 90°)                 | CASING (w/ 90° THREADED<br>PORTS)               | 1             |
| 18 | ARA GÖVDE (FLANŞLI 90°)                    | CASING (w/ 90° FLANGED PORTS)                   | 1             |
| 19 | ARA GÖVDE (FLANŞLI 180°)                   | CASING (w/ 180° FALNGED PORTS)                  | 1             |
| 20 | KAPAK CONTASI                              | COVER GASKET                                    | 1             |
| 21 | ÇEVRE DIŞLI                                | ROTOR GEAR                                      | 1             |
| 22 | AVARA DIŞLI                                | IDLER GEAR                                      | 1             |
| 23 | AVARA DIŞLI BURCU                          | IDLER BUSHING                                   | 1             |
| 24 | KAPAK MİLİ                                 | COVER PIN                                       | 1             |
| 25 | KAPAK (KÖR)                                | BLIND COVER                                     | 1             |
| 26 | KAPAK (CEKETLİ)                            | COVER (w/ HEATING JACKET)                       | 1             |
| 27 | SETUSKUR M8x16                             | GRUB SCREW M8x16                                | 4             |

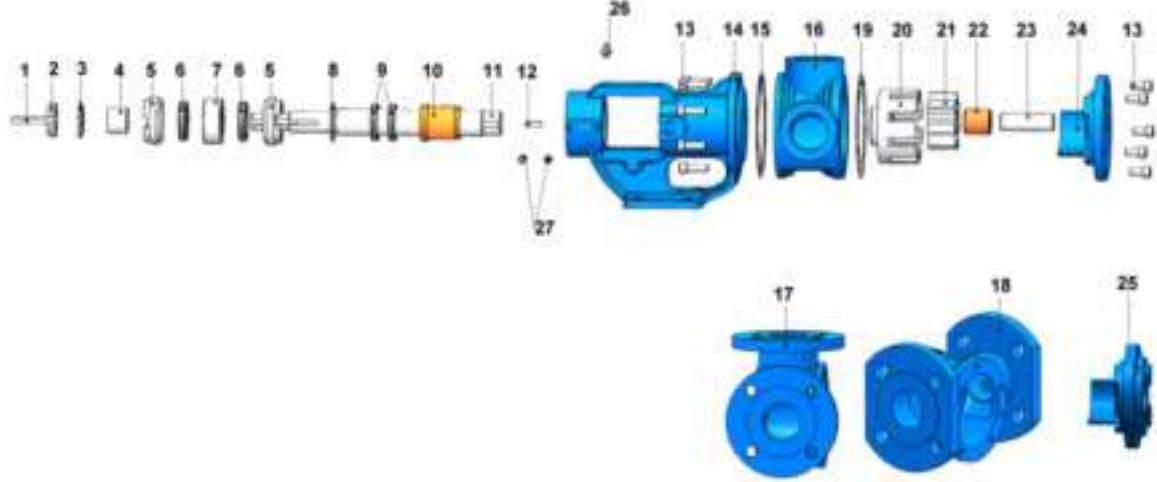




## YKF 1½" POMPA INTERNAL ECCENTRIC GEAR PUMP



### YEDEK PARÇA LİSTESİ / SPARE PARTS LIST KEÇELİ, CEKETLİ VE KÖR KAPAKLI / SEALED WITH LIP SEAL, JACKETED AND WITH BLIND COVER



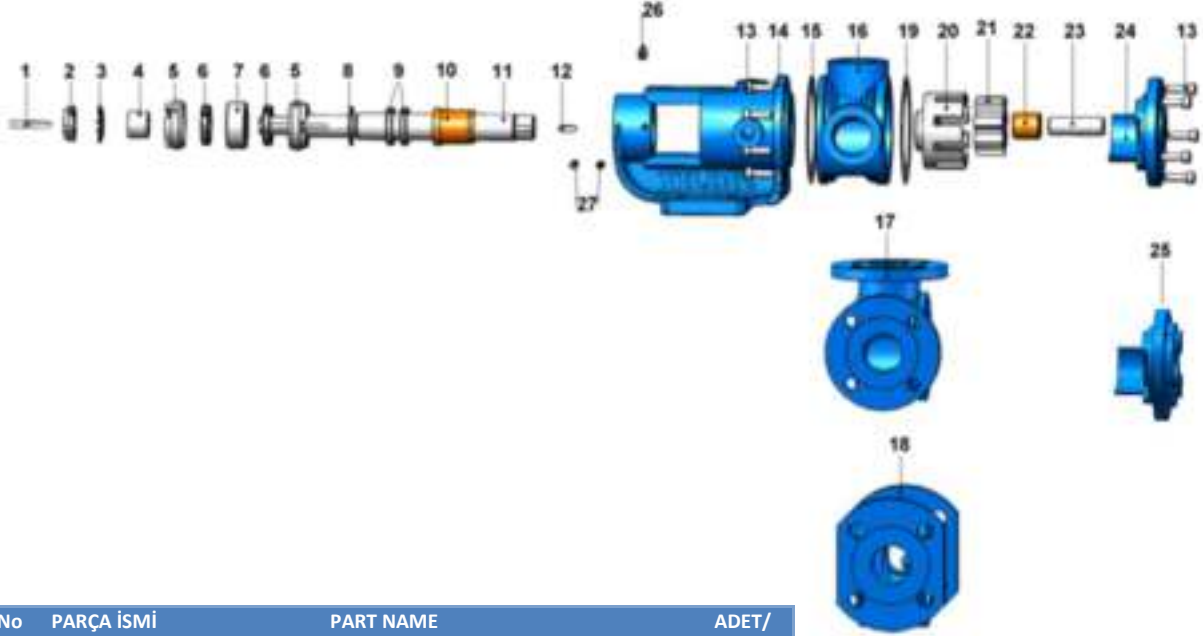
| No | PARÇA İSMİ                                 | PART NAME                                       | ADET/<br>QTY. |
|----|--------------------------------------------|-------------------------------------------------|---------------|
| 1  | KAMA 6x6x45 AB                             | CCOUPLING KEY 6x6x45 AB                         | 1             |
| 2  | KİLİT SOMUNU                               | LOCK NUT                                        | 1             |
| 3  | KİLİT SACI                                 | LOCK WASHER                                     | 1             |
| 4  | BİLEZİK                                    | SPACER                                          | 1             |
| 5  | AYAR SOMUNU                                | ADJUSTING NUT                                   | 2             |
| 6  | -----                                      | -----                                           | -             |
| 7  | RULMAN (3205-2RS)                          | BALL BEARING (3205-2RS)                         | 1             |
| 8  | İÇ SEGMAN (ø42 )                           | INTERNAL CIRCLIP (ø42 )                         | 1             |
| 9  | KEÇE ø30xø42x7                             | LIP SEAL ø30xø42x7                              | 2             |
| 10 | KONSOL BURCU                               | BRACKET BUSHING                                 | 1             |
| 11 | MİL                                        | SHAFT                                           | 1             |
| 12 | KAMA 6x6x20 A                              | ROTOR KEY 6x6x20 A                              | 1             |
| 13 | IMBUS CİVATA M8x25                         | INBUS BOLT M8x25                                | 13            |
|    | IMBUS CİVATA M8x30<br>(CEKETLİ KAPAK İÇİN) | INBUS BOLT M8x30 FOR COVER<br>w/ HEATING JACKET | 5             |
| 14 | KONSOL                                     | BRACKET                                         | 1             |
| 15 | KONSOL CONTASI                             | BRACKET GASKET                                  | 1             |
| 16 | ARA GÖVDE (BORU DIŞLI 90°)                 | CASING (w/ 90° THREADED PORTS)                  | 1             |
| 17 | ARA GÖVDE (FLANŞLI 90°)                    | CASING (w/ 90° FLANGED PORTS)                   | 1             |
| 18 | ARA GÖVDE (FLANŞLI 180°)                   | CASING (w/ 180° FLANGED)                        | 1             |
| 19 | KAPAK CONTASI                              | COVER GASKET                                    | 1             |
| 20 | ÇEVRE DIŞLI                                | ROTOR GEAR                                      | 1             |
| 21 | AVARA DIŞLI                                | IDLER GEAR                                      | 1             |
| 22 | AVARA DIŞLI BURCU                          | IDLER BUSHING                                   | 1             |
| 23 | KAPAK MİLİ                                 | COVER PIN                                       | 1             |
| 24 | KAPAK (KÖR)                                | BLIND COVER                                     | 1             |
| 25 | KAPAK (CEKETLİ)                            | COVER (w/ HEATING JACKET)                       | 1             |
| 26 | -----                                      | -----                                           | -             |
| 27 | SETUSKUR M8x16                             | GRUB SCREW M8x16                                | 4             |



## YKF 1½" POMPA INTERNAL ECCENTRIC GEAR PUMP



### YEDEK PARÇA LİSTESİ / SPARE PARTS LIST KEÇELİ, ÇİFT CİDARLI / DOUBLE JACKETED AND SEALED WITH LIP SEAL



| No | PARÇA İSMİ                                 | PART NAME                                       | ADET/<br>QTY. |
|----|--------------------------------------------|-------------------------------------------------|---------------|
| 1  | KAMA 6x6x45 AB                             | CCOUPLING KEY 6x6x45 AB                         | 1             |
| 2  | KİLİT SOMUNU                               | LOCK NUT                                        | 1             |
| 3  | KİLİT SACI                                 | LOCK WASHER                                     | 1             |
| 4  | BİLEZİK                                    | SPACER                                          | 1             |
| 5  | AYAR SOMUNU                                | ADJUSTING NUT                                   | 2             |
| 6  | -----                                      | -----                                           | -             |
| 7  | RULMAN (3205-2RS)                          | BALL BEARING (3205-2RS)                         | 1             |
| 8  | İÇ SEGMAN (ø42 )                           | INTERNAL CIRCLIP (ø42 )                         | 1             |
| 9  | KEÇE ø30xø42x7                             | LIP SEAL ø30xø42x7                              | 2             |
| 10 | KONSOL BURCU                               | BRACKET BUSHING                                 | 1             |
| 11 | MİL                                        | SHAFT                                           | 1             |
| 12 | KAMA 6x6x20 A                              | ROTOR KEY 6x6x20 A                              | 1             |
| 13 | IMBUS CİVATA M8x25                         | INBUS BOLT M8x25                                | 13            |
|    | IMBUS CİVATA M8x30<br>(CEKETLİ KAPAK İÇİN) | INBUS BOLT M8x30 FOR COVER<br>w/ HEATING JACKET | 5             |
| 14 | CEKETLİ KONSOL                             | BRACKET JACKETED                                | 1             |
| 15 | KONSOL CONTASI                             | BRACKET GASKET                                  | 1             |
| 16 | ARA GÖVDE (BORU DIŞLI 90°)                 | CASING (w/ 90° THREADED PORTS)                  | 1             |
| 17 | ARA GÖVDE (FLANŞLI 90°)                    | CASING (w/ 90° FLANGED PORTS)                   | 1             |
| 18 | ARA GÖVDE (FLANŞLI 180°)                   | CASING (w/ 180° FLANGED)                        | 1             |
| 19 | KAPAK CONTASI                              | COVER GASKET                                    | 1             |
| 20 | ÇEVRE DIŞLI                                | ROTOR GEAR                                      | 1             |
| 21 | AVARA DIŞLI                                | IDLER GEAR                                      | 1             |
| 22 | AVARA DIŞLI BURCU                          | IDLER BUSHING                                   | 1             |
| 23 | KAPAK MİLİ                                 | COVER PIN                                       | 1             |
| 24 | KAPAK (KÖR)                                | BLIND COVER                                     | 1             |
| 25 | KAPAK (CEKETLİ)                            | COVER (w/ HEATING JACKET)                       | 1             |
| 26 | -----                                      | -----                                           | -             |
| 27 | SETUSKUR M8x16                             | GRUB SCREW M8x16                                | 4             |