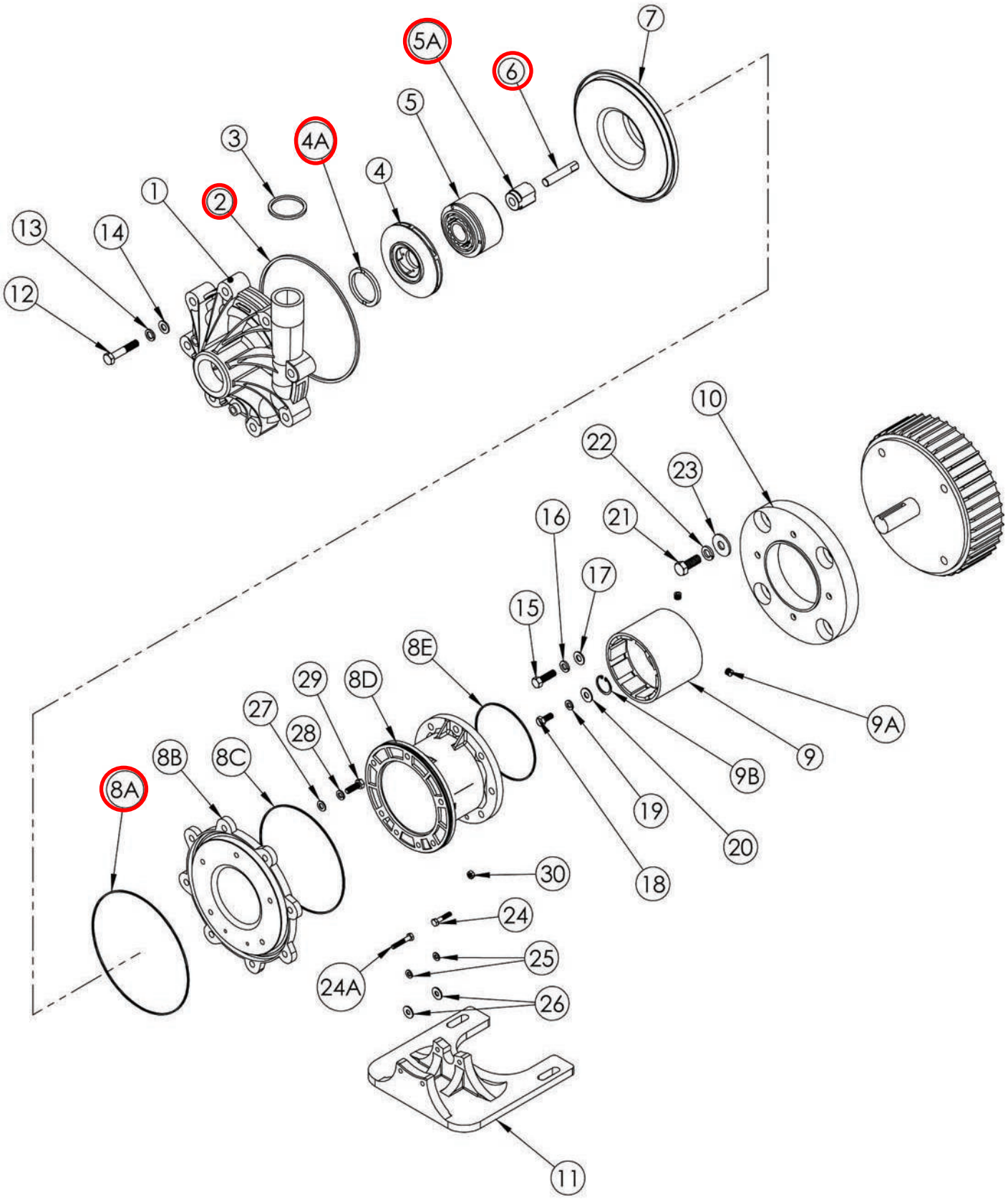
# TDB11 /TDB15


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| TDB11/15 Spare Parts List | | | | | | |
|---|---|---|---|---|---|---|
| Item | Qty | Description | TDB11 | | TDB15 | |
| | | | Pump Material | | Pump Material | |
| | | | Polypro | PVDF | Polypro | PVDF |
| 1 | 1 | **Standard Housing with Ring** | | | | |
| | | NPT threads & standard alumina ceramic ring | 105688-1 | 105688-3 | 105739-1 | 105739-3 |
| | | BSP threads & standard alumina ceramic ring | 105688-5 | 105688-7 | 105739-5 | 105739-7 |
| | | Steel flanges & std. alumina ceramic ring - ANSI150/PN20/40/JIS10K | 105744-1 | 105744-2 | 105745-1 | 105745-2 |
| | | FRP flanges & std. alumina ceramic ring - ANSI150/PN20/40/JIS10K | 105744-5 | 105744-6 | 105745-5 | 105745-6 |
| | | Union & standard alumina ceramic ring | 105746-1 | 105746-3 | 105747-1 | 105747-3 |
| | | NPT threads & optional SiC ring | 105903 | 105903-1 | 105904 | 105904-2 |
| | | BSP threads & optional SiC ring | 105903-4 | 105903-5 | 105904-4 | 105904-6 |
| | | Steel flanges & optional SiC ring - ANSI150/PN20/40/JIS10K | 105905 | 105905-1 | 105924 | 105924-1 |
| | | FRP flanges & optional SiC ring - ANSI150/PN20/40/JIS10K | 105905-4 | 105905-5 | 105924-4 | 105924-5 |
| | | Unions & optional SiC ring | 105906 | 105906-2 | 105923 | 105923-2 |
| 2 | 1 | **Housing O-ring** | | | | |
| | | EPDM (optional) | 105717 | | | |
| | | FKM (standard) | 105716 | | | |
| | | Kalrez (optional) | 105718 | | | |
| | | Simriz (optional) | 105719 | | | |
| 3 | 1 | **Discharge O-ring (BSP Threaded Housings Only)** | | | | |
| | | EPDM (optional) | 105918 | | | |
| | | FKM (standard) | 105919 | | | |
| | | Kalrez (optional) | 105920 | | | |
| | | Simriz (optional) | 105921 | | | |
| 4 | 1 | **Impeller Assembly with Thrust Ring** | | | | |
| | | See DB11/15 Impeller Assemblies Table on pg 19 | | | | |
| 4A | 1 | **Impeller Thrust Ring Only** | | | | |
| | | Filled PTFE (standard) | 105694-1 | | | |
| | | Silicon Carbide (optional) | 105694-3 | | | |
| 5 | 1 | **Impeller Drive Assembly** | | | | |
| | | 6-pole w/ carbon bushing | 105913 | 105913-3 | 105913 | 105913-3 |
| | | 8-pole w/ carbon bushing | 105913-1 | 105913-4 | 105913-1 | 105913-4 |
| | | 10-pole w/ carbon bushing | 105913-2 | 105913-5 | 105913-2 | 105913-5 |
| | | 6-pole w/ PTFE bushing | 105913-6 | 105913-9 | 105913-6 | 105913-9 |
| | | 8-pole w/ PTFE bushing | 105913-7 | 105913-10 | 105913-7 | 105913-10 |
| | | 10-pole w/ PTFE bushing | 105913-8 | 105913-11 | 105913-8 | 105913-11 |
| | | 6-pole w/ alumina ceramic bushing | 105913-12 | 105913-15 | 105913-12 | 105913-15 |
| | | 8-pole w/ alumina ceramic bushing | 105913-13 | 105913-16 | 105913-13 | 105913-16 |
| | | 10-pole w/ alumina ceramic bushing | 105913-14 | 105913-17 | 105913-14 | 105913-17 |
| | | 6-pole w/ silicon carbide bushing | 105913-18 | 105913-21 | 105913-18 | 105913-21 |
| | | 8-pole w/ silicon carbide bushing | 105913-19 | 105913-22 | 105913-19 | 105913-22 |
| | | 10-pole w/ silicon carbide bushing | 105913-20 | 105913-23 | 105913-20 | 105913-23 |
| 5A | 1 | **Impeller Bushing Only** | | | | |
| | | Carbon (standard) | J100977 | | | |
| | | Filled PTFE (optional) | 106386 | | | |
| | | Alumina Ceramic (optional) | 106386-2 | | | |
| | | Silicon Carbide (optional) | 106386-1 | | | |
| 6 | 1 | **Impeller Shaft** | | | | |
| | | Alumina Ceramic (standard) | 105811-1 | | | |
| | | Silicon Carbide (optional) | 105811-2 | | | |
| | | Hastelloy C (optional) | 105811-3 | | | |
| 7 | 1 | **Barrier** | | | | |
| | | | 105689-1 | 105689-2 | 105689-1 | 105689-2 |

DB11/15 Spare Parts List - cont.

| Item | Qty | Description | TDB11 Pump Material | | TDB15 Pump Material | |
|---|---|---|---|---|---|---|
| | | | Polypro | PVDF | Polypro | PVDF |
| 8 | 1 | **Motor Adapter Kits (includes items 8A - 8E plus hardware)** | | | | |
| | | Standard motor adapter - all frame sizes | 107405 | 107406 | 107405 | 107406 |
| | | Standard motor adapter w/ non-sparking ring - all frame sizes | 107407 | 107408 | 107407 | 107408 |
| | | ATEX motor adapter w/ PVDF motor adapter & non-sparking ring - all frame sizes | N/A | 107413 | N/A | 107413 |
| | | Note: 182/184TC & all IEC frames MAY need to order motor adapter flange (item 10) and hardware (items 15-17 & 21-23) | | | | |
| 8A | 1 | **Barrier/Clamp O-ring** | | | | |
| | | Buna | 107281 | | | |
| | | FKM | 107279 | | | |
| | | EPDM | 107280 | | | |
| 8B | 1 | **Clamp Ring** | | | | |
| | | Painted cast iron (Standard) | 107228 | 107228-1 | 107228 | 107228-1 |
| | | Painted cast iron with non-sparking ring | 107321 | 107321-1 | 107321 | 107321-1 |
| | | Painted cast iron (ATEX) | N/A | 107321-1 | N/A | 107321-1 |
| | | Stainless steel | 108600 | 108600 | 108600 | 108600 |
| | | Stainless steel with non-sparking ring | 108600-1 | 108600-1 | 108600-1 | 108600-1 |
| | | Stainless steel (ATEX) | N/A | 108600-1 | N/A | 108600-1 |
| 8C | 1 | **Clamp Ring/Motor O-ring** | | | | |
| | | Buna | 107282 | | | |
| | | FKM | 107283 | | | |
| | | EPDM | 107284 | | | |
| 8D | 1 | **Motor Adapter Column** | | | | |
| | | Standard | 106890 | 106890-1 | 106890 | 106890-1 |
| | | ATEX | N/A | 106890-2 | N/A | 106890-2 |
| 8E | 1 | **Motor Adapter Column/Motor O-ring (NEMA 56C/143/145TC motors only)** | | | | |
| | | Buna | 106549 | | | |
| | | FKM | 106374 | | | |
| | | EPDM | 106373 | | | |
| 9 | 1 | **Drive Magnet Assembly with Snap Ring** | | | | |
| | | 6-pole 56C frame (includes set screws) | 105878 | | | |
| | | 8-pole 56C frame (includes set screws) | 105878-1 | | | |
| | | 6-pole 143/145TC frame (includes set screws) | 105878-3 | | | |
| | | 8-pole 143/145TC frame (includes set screws) | 105878-4 | | | |
| | | 10-pole 182/184TC frame (includes set screws) | 105730-9 | | | |
| | | 6-pole 80 frame | 105882 | | | |
| | | 8-pole 80 frame | 105882-1 | | | |
| | | 6-pole 90 frame | 105882-3 | | | |
| | | 8-pole 90 frame | 105882-4 | | | |
| | | 10-pole 100/112 frame | 105730-18 | | | |
| 9A | 2 | **Set Screws** | | | | |
| | | NEMA motor frames only | J101084 | | | |
| 9B | 1 | **Snap Ring** | | | | |
| | | 56C frame | 105708 | | | |
| | | 143/145TC frame | 105709 | | | |
| | | 182/184TC frame | 105710 | | | |
| | | 80 frame | 105711 | | | |
| | | 90 frame | 105712 | | | |
| | | 100/112 frame | 105710 | | | |

*Cast iron motor adapters have been upgraded to polypropylene effective August 2009. To upgrade, order one of the options in item 8 above. For IEC 80, 90, 100 & 112 B5 frames, you will also need one of the options in item 10.

DB11/15 Spare Parts List - cont.

| Item | Qty | Description | TDB11 Pump Material | | TDB15 Pump Material | |
|---|---|---|---|---|---|---|
| | | | Polypro | PVDF | Polypro | PVDF |
| 10 | 1 | **Motor Adapter Flange** | | | | |
| | | 182/184TC frame | 105751-1 | 105751-2 | 105751-1 | 105751-2 |
| | | 80 frame B14 | 105724-1 | 105724-2 | 105724-1 | 105724-2 |
| | | 90 frame B14 | 105725-1 | 105725-2 | 105725-1 | 105725-2 |
| | | 100/112 frame B14 | 105726-1 | 105726-2 | 105726-1 | 105726-2 |
| | | 80/90 frame B5 | 106274 | 106274-1 | 106274 | 106274-1 |
| | | 100/112 frame B5 | 107315 | 107315-1 | 107315 | 107315-1 |
| | | 80 frame B14 ATEX | N/A | 105724-3 | N/A | 105724-3 |
| | | 90 frame B14 ATEX | N/A | 105725-3 | N/A | 105725-3 |
| | | 100/112 frame B14 ATEX | N/A | 105726-3 | N/A | 105726-3 |
| | | 80/90 frame B5 ATEX | N/A | 106274-2 | N/A | 106274-2 |
| | | 100/112 frame B5 ATEX | N/A | 107315-1 | N/A | 107315-1 |
| 11 | 1 | **Foot (Pumps with 100/112-B5 frames and flange do not come with a foot)** | | | | |
| | | All frames sizes except 100/112 | 105691-1 | 105691-4 | 105691-1 | 105691-4 |
| | | 100 frame with B14 flange only | 105691-3 | 105691-6 | 105691-3 | 105691-6 |
| | | 112 frame with B14 flange only | 105691-2 | 105691-5 | 105691-2 | 105691-5 |

## TDB11/15 Impeller Assemblies

| | Thrust Ring Material | Impeller Material | #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 | #9 | #10 | #11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 4.63" | 4.38" | 4.13" | 3.88" | 3.63" | 5.25" | 5.00" | 4.75" | 4.50" | 4.25" | 4.00" |
| **DB11** | PTFE | Polypro | 105911 | 105911-4 | 105911-6 | 105911-8 | 105911-10 | 105911-2 | 105911-14 | 105911-16 | 105911-18 | 105911-20 | 105911-22 |
| | | PVDF | 105911-1 | 105911-5 | 105911-7 | 105911-9 | 105911-11 | 105911-3 | 105911-15 | 105911-17 | 105911-19 | 105911-21 | 105911-23 |
| | SiC | Polypro | 105915 | 105915-4 | 105915-6 | 105915-8 | 105915-10 | 105915-2 | 105915-14 | 1205915-16 | 105915-18 | 105915-20 | 105915-22 |
| | | PVDF | 105915-1 | 105915-5 | 105915-7 | 105915-9 | 105915-11 | 105915-3 | 105915-15 | 105915-17 | 105915-19 | 105915-21 | 105915-23 |

| | Thrust Ring Material | Impeller Material | #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 | #9 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5.13" | 5.00" | 4.75" | 4.50" | 4.25" | 5.75" | 5.50" | 5.25" | 5.00" |
| **DB15** | PTFE | Polypro | 105911-12 | 105916 | 105916-4 | 105916-6 | 105916-8 | 105916-1 | 105916-10 | 105916-12 | 105916-14 |
| | | PVDF | 105911-13 | 105916-2 | 105916-5 | 105916-7 | 105916-9 | 105916-3 | 105916-11 | 105916-13 | 105916-15 |
| | SiC | Polypro | 105915-12 | 105917 | 105917-4 | 105917-6 | 105917-8 | 105917-1 | 105917-10 | 105917-12 | 105917-14 |
| | | PVDF | 105915-13 | 105917-2 | 105917-5 | 105917-7 | 105917-9 | 105917-3 | 105917-11 | 105917-13 | 105917-15 |

All impeller diameters listed in inches.

| HARDWARE - ALL TDB11-15 MODELS | | | | |
|---|---|---|---|---|
| **Item** | **Qty** | **Description** | **Stainless Steel (std.)** | **Titanium** |
| 12 | 8 | **Housing Bolt** | | |
| | | | 105755 | 105756 |
| 13 | 8 | **Housing Lockwasher** | | |
| | | | 105757 | 105758 |
| 14 | 8 | **Housing Flat Washer** | | |
| | | | 105722 | 105773 |
| 15 | 4 | **Motor Adapter Bolt** | | |
| | | All frames except 100/112 B5 | J103118 | 105752 |
| | | 100/112 B5 frames only | J100114 | 106311 |
| 16 | 4 | **Motor Adapter Lockwashers** | | |
| | | | J100115 | J104206 |
| 17 | 4 | **Motor Adapter Flatwashers** | | |
| | | | J100128 | J104207 |
| 18 | 1 | **Drive Bolt (IEC Frames Only)** | | |
| | | 80 frame IEC | 107289 | N/A** |
| | | 90 frame IEC | J103662 | N/A** |
| | | 100/112 frame IEC | 108582 | N/A** |
| 19 | 1 | **Drive Lock Washer (IEC Frames Only)** | | |
| | | 80 frame IEC | J100672 | N/A** |
| | | 90 frame IEC | J102282 | N/A** |
| | | 100/112 frame IEC | N/A | N/A |
| 20 | 1 | **Drive Flat Washer (IEC Frames Only)** | | |
| | | 80 frame IEC | 210292 | N/A** |
| | | 90 frame IEC | 210294 | N/A** |
| | | 100/112 frame IEC | 108580 | N/A** |
| 21* | 4 | **Motor Adapter Flange Bolts** | | |
| | | 182/184TC frame | J103782 | 105761 |
| | | 80 frame with B14 flange | 105765 | 105764 |
| | | 90 frame with B14 flange | 105770 | 105771 |
| | | 100/112 frame with B14 flange | 105770 | 105771 |
| 22* | 4 | **Motor Adapter Flange Lock Washer** | | |
| | | 182/184TC frame | J101023 | 105762 |
| | | 80 frame with B14 flange | J100672 | J104203 |
| | | 90 frame with B14 flange | J102282 | J103847 |
| | | 100/112 frame with B14 flange | J102282 | J103847 |
| 23* | 4 | **Motor Adapter Flange Flat Washer** | | |
| | | 182/184TC frame | J103851 | 105763 |
| | | 80 frame with B14 flange | J100113 | J104204 |
| | | 90 frame with B14 flange | J101293 | J103845 |
| | | 100/112 frame with B14 flange | J101293 | J103845 |
| 24 | 2 | **Rear Foot Bolt** | | |
| | | | J103968 | 107288 |
| 24A | 2 | **Front Foot Bolt** | | |
| | | | 107289 | 107290 |
| 25 | 4 | **Foot Lock Washer** | | |
| | | | J100672 | J104203 |
| 26 | 4 | **Foot Flat Washer** | | |
| | | | J100113 | J104204 |
| 27 | 5 | **Clamp Ring Flat Washer** | | |
| | | | J101293 | 105768 |
| 28 | 5 | **Clamp Ring Lock Washer** | | |
| | | | J102282 | J103847 |
| 29 | 5 | **Clamp Ring Bolt** | | |
| | | | J103662 | 107285 |
| 30 | 2 | **Nut** | | |
| | | For rear foot bolt | 107286 | 107287 |

*For IEC B5 frame pumps: Hardware is to be supplied by customer due to variations in B5 frame motors.
**Alternative Titanium material not offered.