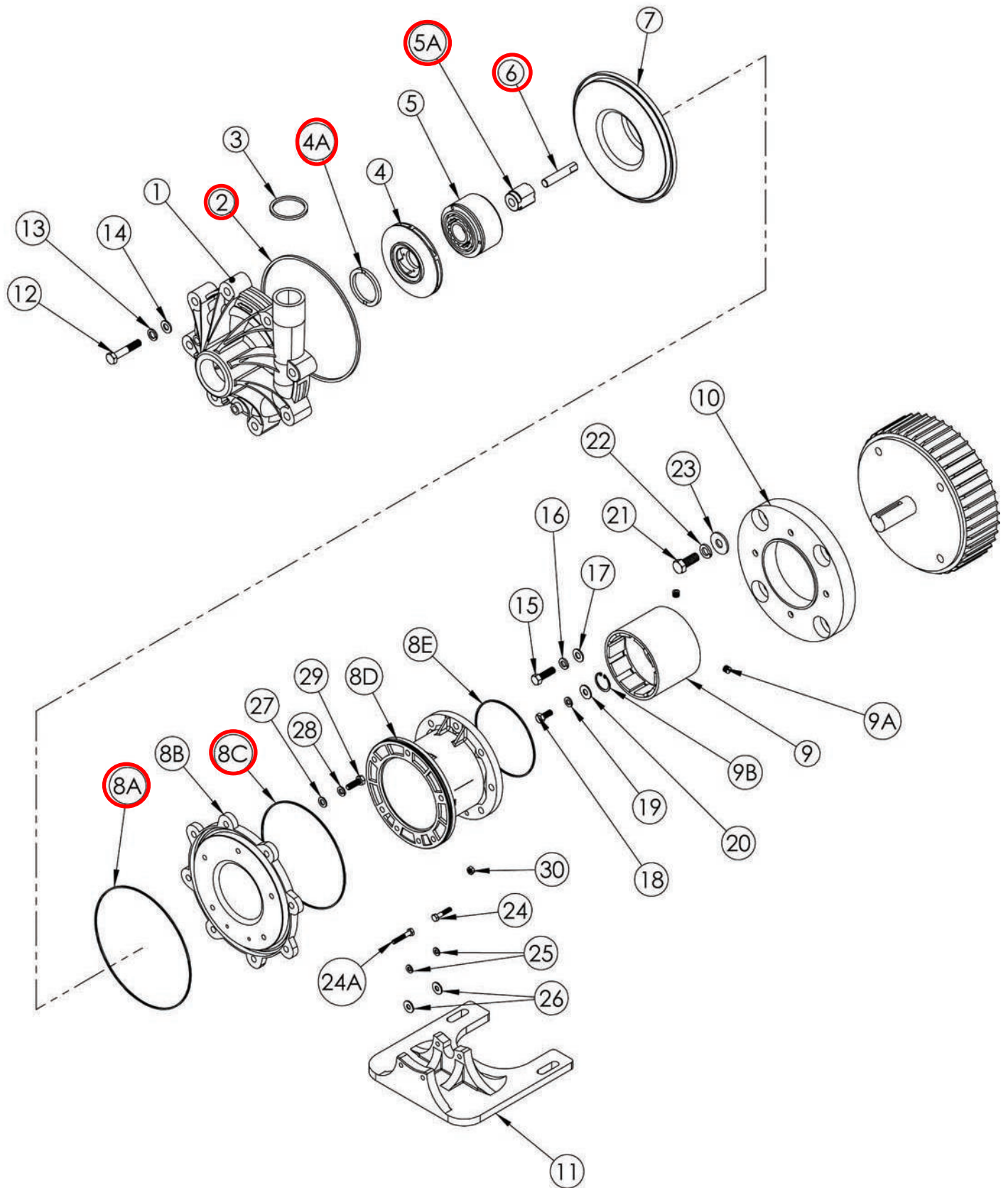


TDB11 /TDB15



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

Item	Qty	Description	TDB11		TDB15	
			Pump Material		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		TDB15	
			Pump Material		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
	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		
DB15	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.