

69. S pumps

Ranges 34 and 42

50/60 Hz

Gen: generation

Int: interchangeability

Bearing

	Range		S34		S34X	S42, S42X
Pos.	Description	Gen=A/int= Gen=B/int=	Gen=B/int=A Gen=B/int=B	Gen=B/int=D Gen=C/int=	All generations	All generations
	Kit No	96494645	96494645	96494644	96494645	96494646
60	Retaining ring	1	1	1	1	1
153	Ball bearing (upper)	1	1	1	1	1
154	Ball bearing (lower)	1	1	1	1	1
188	Retaining ring	1	1	1	1	1
197	Washer	1	1	2	1	1

Shaft seal

	Range		S34, S34X	S42	S42	S42X
Pos.	Description	Gen=B/int=A Gen=B/int=B	Gen=B/int=D Gen=C/int=	Gen=A Gen=B	Gen=C Gen=D	All generations
	Kit No	96567323	96567334	96567329	96567334	96567334
105	Shaft seal	1	1	1	1	1

Cable

		Range		Cable length			
Pos.	Description/Kit No	34	42	10 m	15 m	25 m	50 m
	4 x 1.5 mm ²	•	•	Not available. Contact Grundfos.			
181	7 x 1.5 mm ²	•	•	96307955	96307956	96307957	96307958
	9 x 1.5 mm ²		•	96307963	96307964	96307965	96307966

Cable inlet

	Cable type	4 x 1.5 mm ²	7 x 1.5 mm ²	9 x 1.5 mm ²
Pos.	Description/Kit No	96494649	96494650	95113752
168	Cable inlet	1	1	1
180	Cable clamp	1	1	1
181a	Screw	2	3	3
198	Rubber seal	1	1	-

Cable inlet gasket

	Cable type	4 x 1.5 mm ²	7 x 1.5 mm ²	9 x 1.5 mm ²
Pos.	Description/Kit No	Not available	96253077	96066568
198	Rubber seal	-	1	1

Moisture switch

Pos.	Description/kit No	96256056
520	Moisture switch	1
-	Adjusting gauge	1
-	Connector set (6 pcs)	1

Note: Two moisture switches are used for explosion-proof pumps.

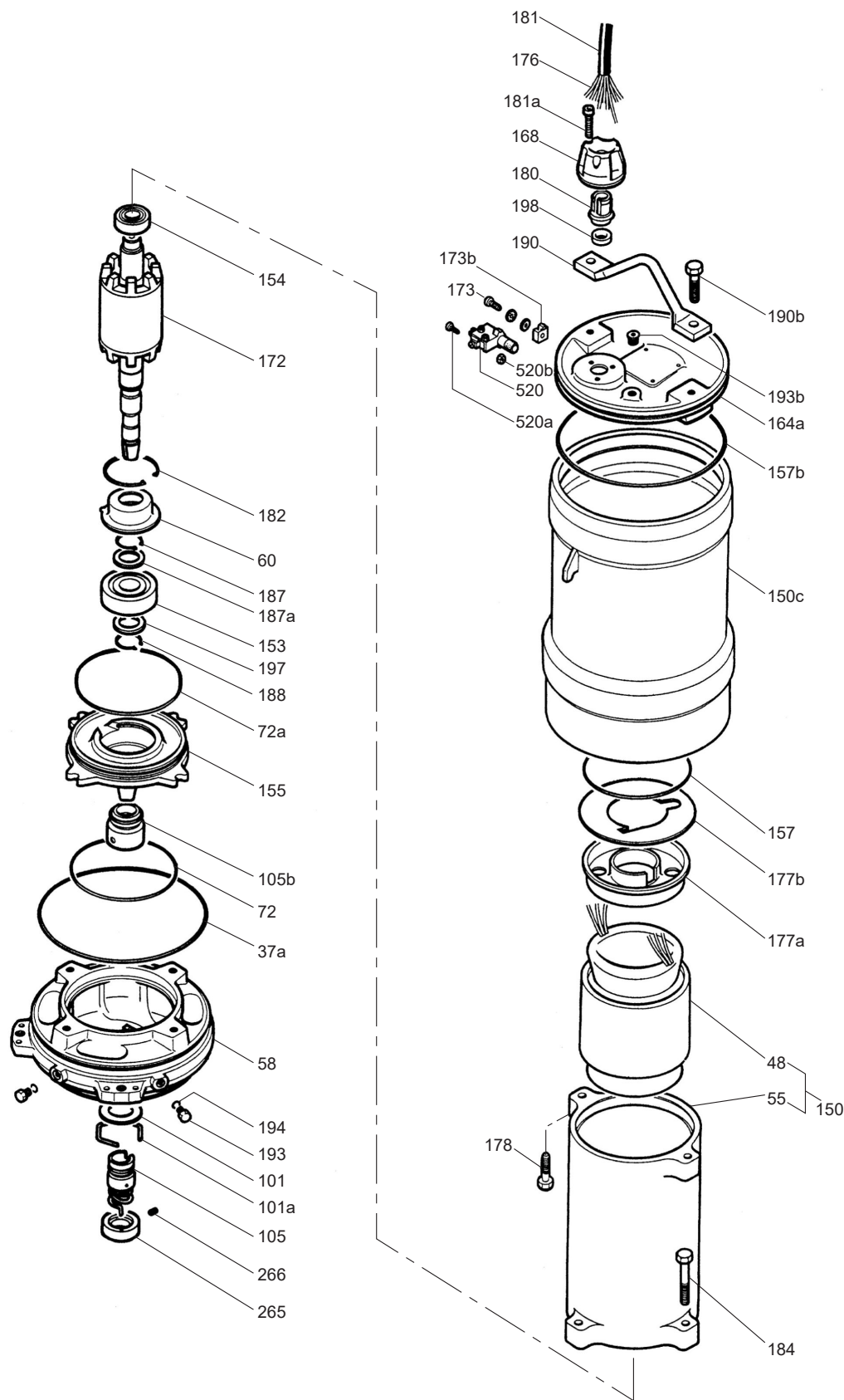
O-ring

Pos.	Range		34, 34X	42, 42X
	Description/kit No		96255888	96255889
37b	O-ring	219.3 x 5.7	1	-
		269.3 x 5.7	-	1
72	O-ring	159.3 x 5.7	1	-
		259.3 x 5.7	-	1
72a	O-ring	149.3 x 5.7	1	-
		269.3 x 5.7	-	1
100	O-ring	16.3 x 2.4	1	1
		10.3 x 2.4	-	1
109	O-ring	59.5 x 3.0	1	-
		59.2 x 3.0	-	1
157	O-ring	114.5 x 3.0	1	-
		129.3 x 5.7	1	-
		149.3 x 5.7	-	1
		159.3 x 5.7	-	1
		16.3 x 2.4	-	2
194	O-ring	10.3 x 2.4	3	2
		8.3 x 2.4	-	2
495	O-ring	16.3 x 2.4	1	1

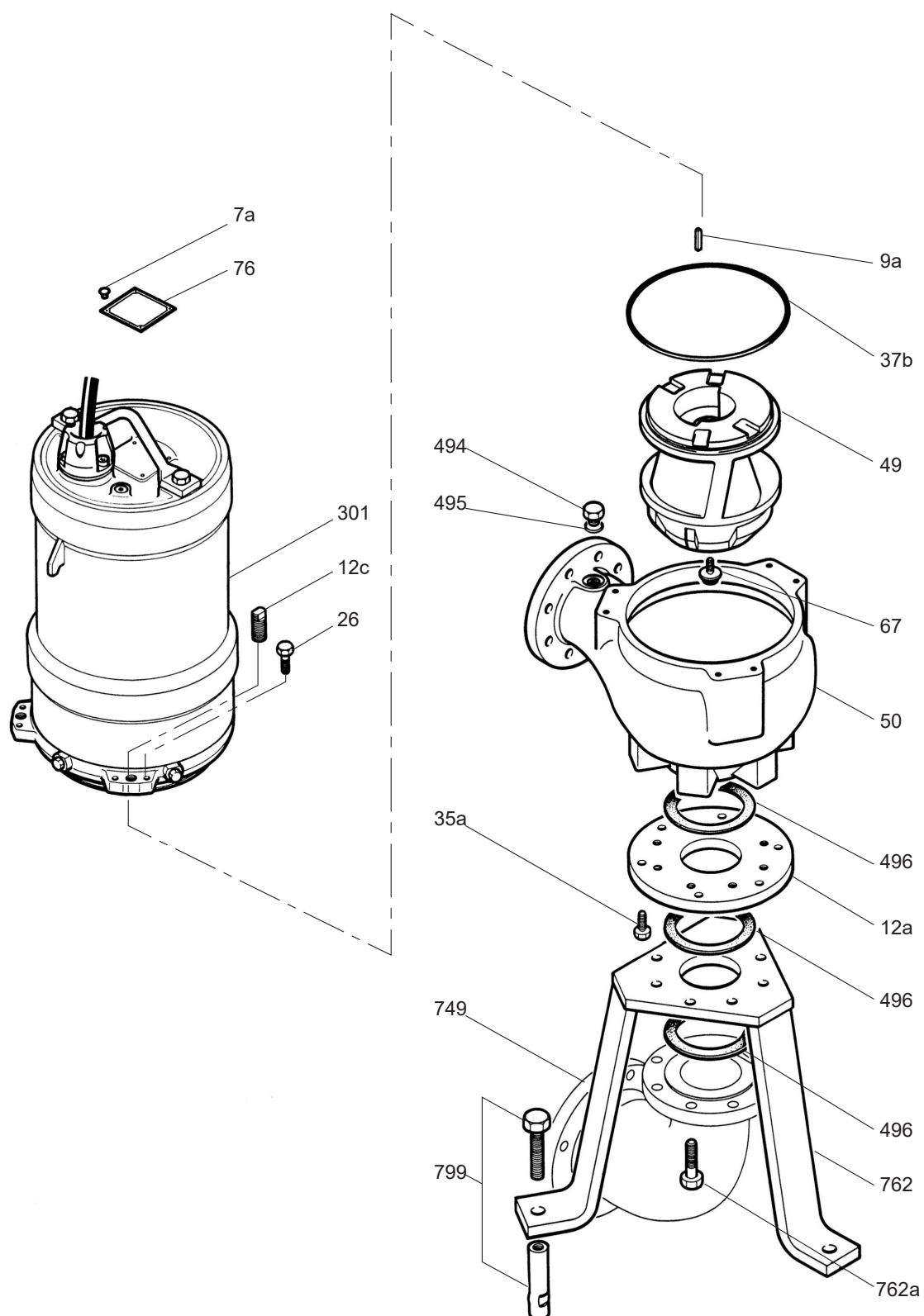
O-ring for oil/inspection plugs

Pos.	Description	M8	M10	3/4"
	Kit No	96060537	96060538	96467951
194	O-ring	12	12	12

Ranges 34 and 42



TM069674



TVM069675

Range 46

50/60 Hz

Cable

Pos.	Description/Kit No	Cable length			
		10 m	15 m	25 m	50 m
181	9 x 1.5 mm ²	96307963	96307964	96307965	96307966
	7 x 6 + 2 x 2.5 mm ²	96307971	96307972	96307973	96307974

Cable inlet

Pos.	Cable type	7 x 6 mm ² + 2 x 2.5 mm ²	9 x 1.5 mm ²
	Description/kit No	96294858	95113752
168	Cable entry	1	1
180	Cable clamp	1	1
181a	Screw	3	3
248a	Bolt	-	-

Cable inlet gasket

Pos.	Cable type	7 x 6 mm ² + 2 x 2.5 mm ²	9 x 1.5 mm ²
	Description/Kit No	96066567	96066568
198	Rubber seal	1	1

Bearing

Pos.	Description/Kit No	96494647
153	Ball bearing	1
154	Ball bearing	1
197	Washer	1
188	Retaining ring	1

Moisture switch

Pos.	Description/kit No	96256056
520	Moisture switch	1
-	Adjusting gauge	1
-	Connector set (6 pcs)	1

Note: Two moisture switches are used for explosion-proof pumps.

O-ring

Pos.	Description/kit No	96494640
37b	O-ring	259.3 x 5.7
72	O-ring	239.3 x 5.7
72a	O-ring	208.3 x 5.7
157	O-ring	129.3 x 5.7
194	O-ring	8.3 x 2.4
495	O-ring	16.3 x 2.4
500	O-ring	64.5 x 3.0

O-ring for oil/inspection plugs

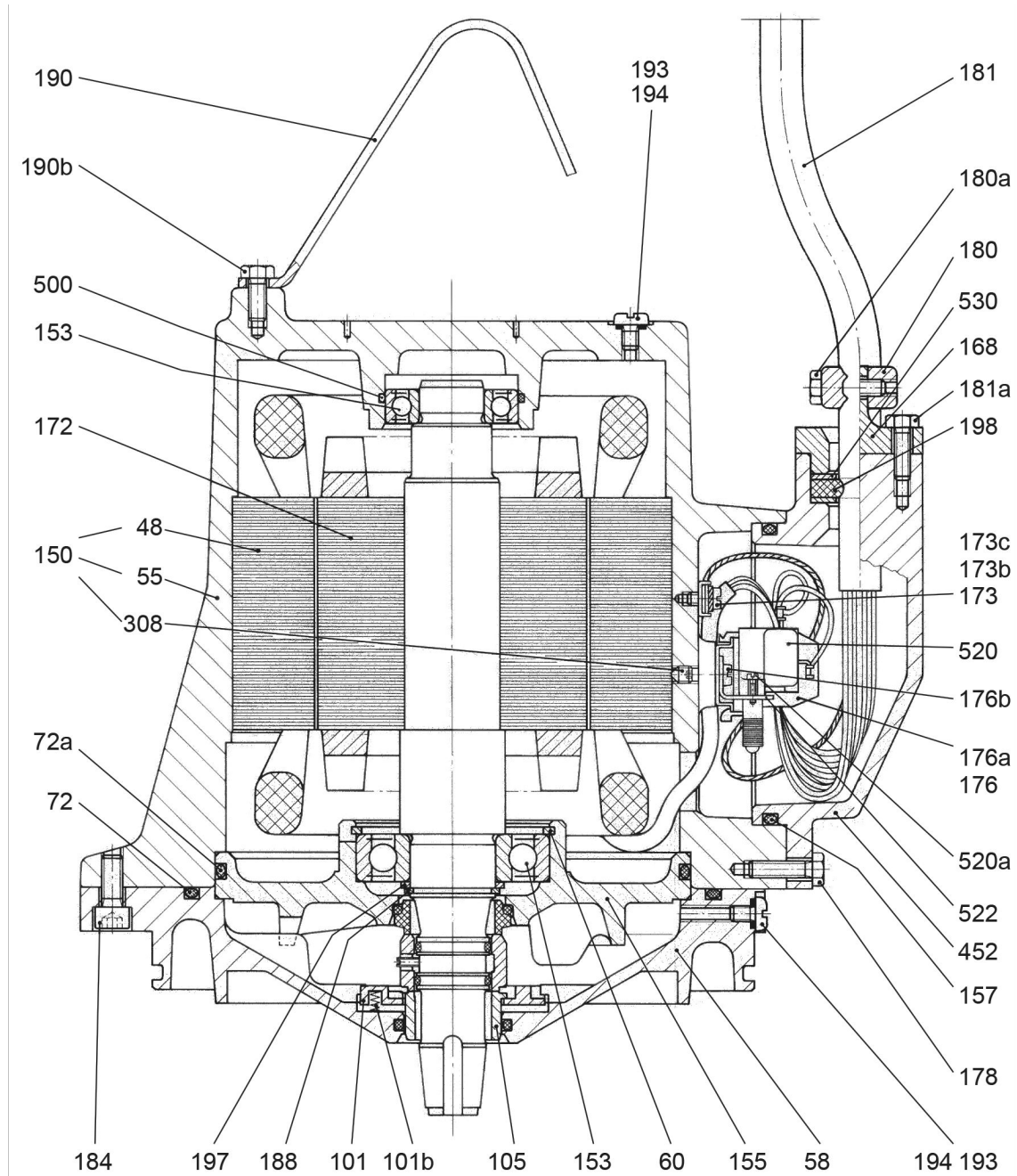
Pos.	Description/Kit No	M8	M10
		96060537	96060538
194	O-ring	12	12

Shaft seal

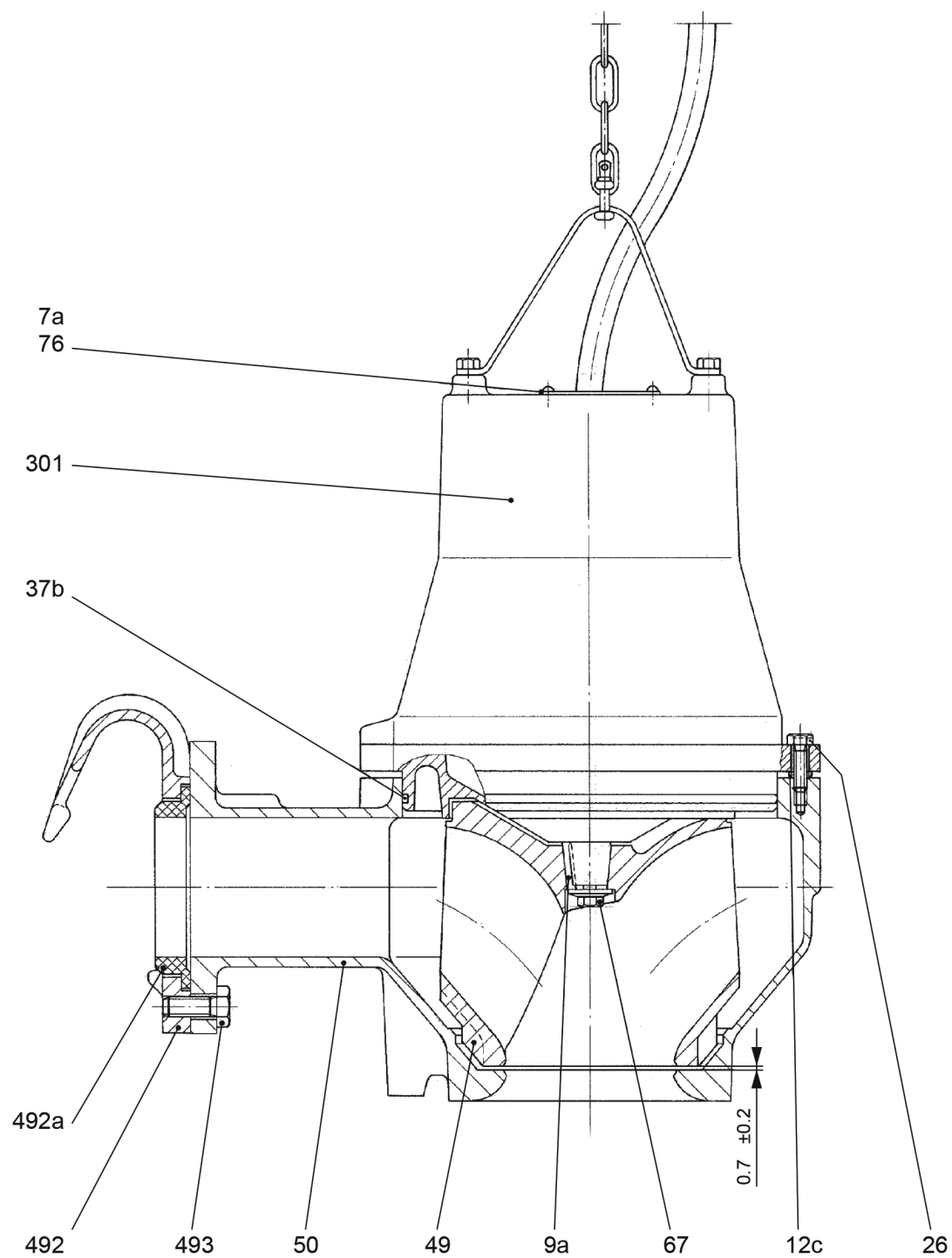
Pos.	Description/Kit No	96567331
105	Shaft seal	1



Range 46



TM025957



TM025958

Ranges 50 and 54

Note: Pumps manufactured on 2008 can belong to an old or to a new generation, contact Grundfos for correct kit.

Cable

		Pumps manufactured 2008 and before						Pumps manufactured 2008 and after			
Pos.	Description	Range		Cable length				Cable length			
		50	54	10 m	15 m	25 m	50 m	10 m	15 m	25 m	50 m
181	7 x 1.5 mm ²	●		-	-	-	-	97513140	97513155	97513170	97513185
	7 x 2.5 mm ²	●		96307959	96307960	96307961	96307962	97513143	97513158	97513173	97513188
	9 x 1.5 mm ²	●		96307963	96307964	96307965	96307966	-	-	-	-
	9 x 2.5 mm ²	●	●	96307967	96307968	96307969	96307970	-	-	-	-
	4 x 6 mm ²		●	-	-	-	-	97513144	97513159	97513174	97513189
	4 x 16 mm ²		●	96307983	96307984	96307985	96307986	-	-	-	-
	5 x 10 mm ²		●	96307975	96307976	96307977	96307978	-	-	-	-
	7 x 6 mm ² + 2 x 2.5 mm ²	●	●	96307971	96307972	96307973	96307974	-	-	-	-

Cable inlet - Range 50

Pos.	Production year		2008 and before				2008 and after					
	Cable type	Pump type	Standard		Ex		Standard		Ex			
			7 x 6 mm ² + 2 x 2.5 mm ²	9 x 1.5 mm ²	9 x 2.5 mm ²	7 x 2.5 mm ²	7 x 1.5 mm ²	7 x 2.5 mm ²	7 x 1.5 mm ² (cast iron)	7 x 1.5 mm ² (EN 1.4408)	7 x 2.5 mm ² (cast iron)	7 x 2.5 mm ² (EN 1.4408)
Description/kit No	96294858	95113752	95113754	96294843	96842589	96842590	96842603	96842614	96842604	96842613		
168	Cable entry	1	1	1	2	1	1	1	1	1	1	
180	Cable clamp	1	1	1	2	1	1	2	2	2	2	
181a	Screw	3	3	3	6	3	3	3	3	3	3	
248a	Bolt	-	-	-	-	-	-	2	2	2	2	

Cable inlet - Range 54

Pos.	Production year		2008 and before		2008 and after			
	Pump type		Standard	Ex - U	Standard	Standard (EN 1.4408)	Ex	Ex (EN 1.4408)
	Cable type	7 x 6 mm ² + 2 x 2.5 mm ²		4 x 16 mm ²	4 x 6 mm ²		4 x 6 mm ²	
				5 x 10 mm ²				
				7 x 6 mm ² + 2 x 2.5 mm ²				
Description/kit No		96294858	96294843	96842591	96842600	96842605	96842615	
168	Cable entry		1	2	1	1	1	1
180	Cable clamp		1	2	1	1	2	2
181a	Screw		3	6	3	3	3	3
248a	Bolt		-	-	-	-	2	2

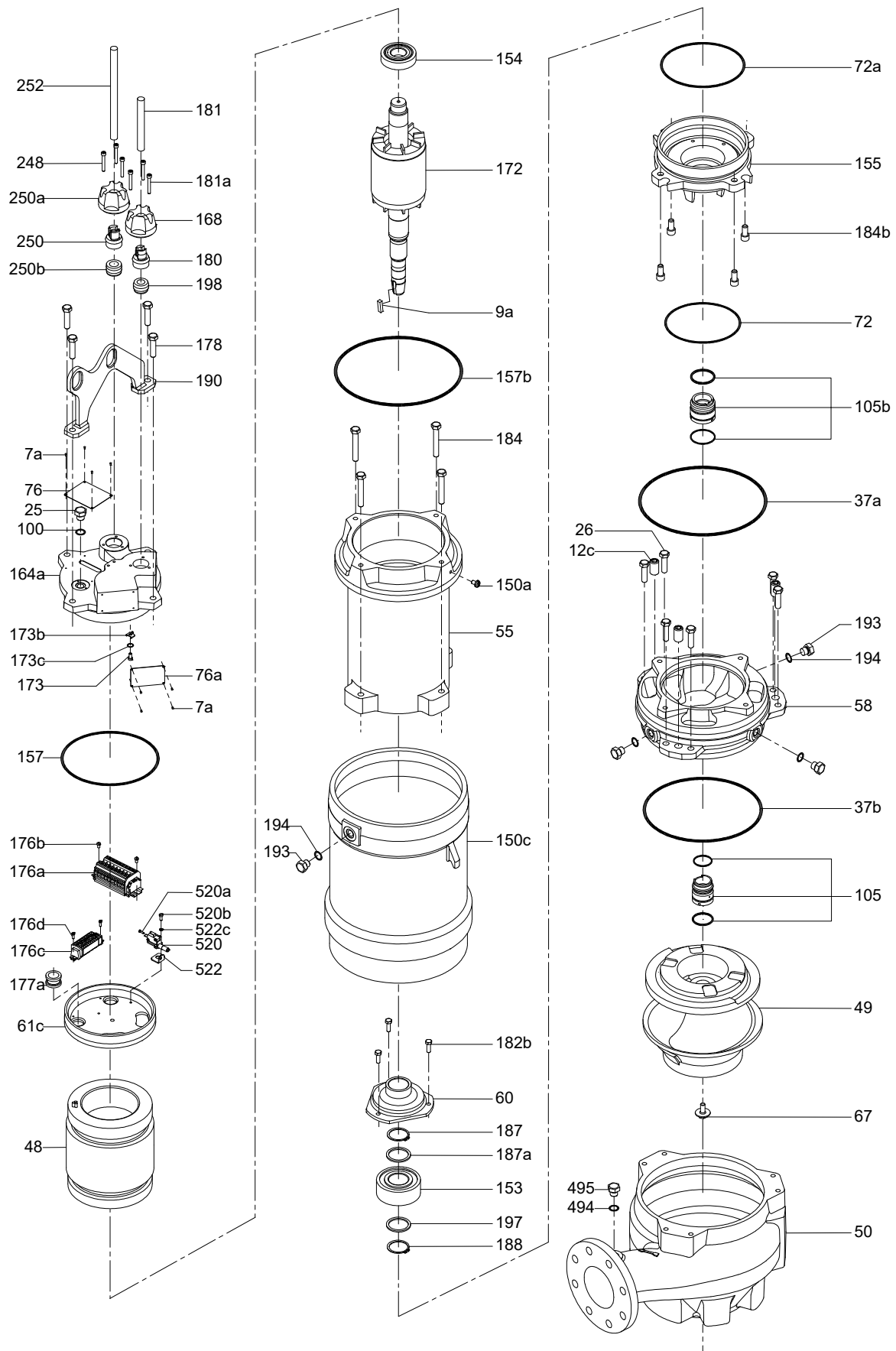
Cable inlet gasket - Range 50

Pos.	Production year		2008 and before					2008 and after		
	Pump type		Standard		Ex		Ex - U		Standard/Ex	
	Cable type	5 x 10 mm ²	9 x 1.5 mm ²	9 x 2.5 mm ²	4 x 16 mm ²	9 x 1.5 mm ² , 9 x 2.5 mm ²	4 x 16 mm ²	7 x 1.5 mm ²	7 x 2.5 mm ²	
					5 x 10 mm ²		5 x 10 mm ²			
					7 x 6 mm ² + 2 x 2.5 mm ²		7 x 6 mm ² + 2 x 2.5 mm ²			
Description/kit No	96294867	96294868	96294870	96294859	96294869	96294860	96842631	96842632		
198	Rubber seal	2	1	1	2	1	2	1	1	

Cable inlet gasket - Range 54

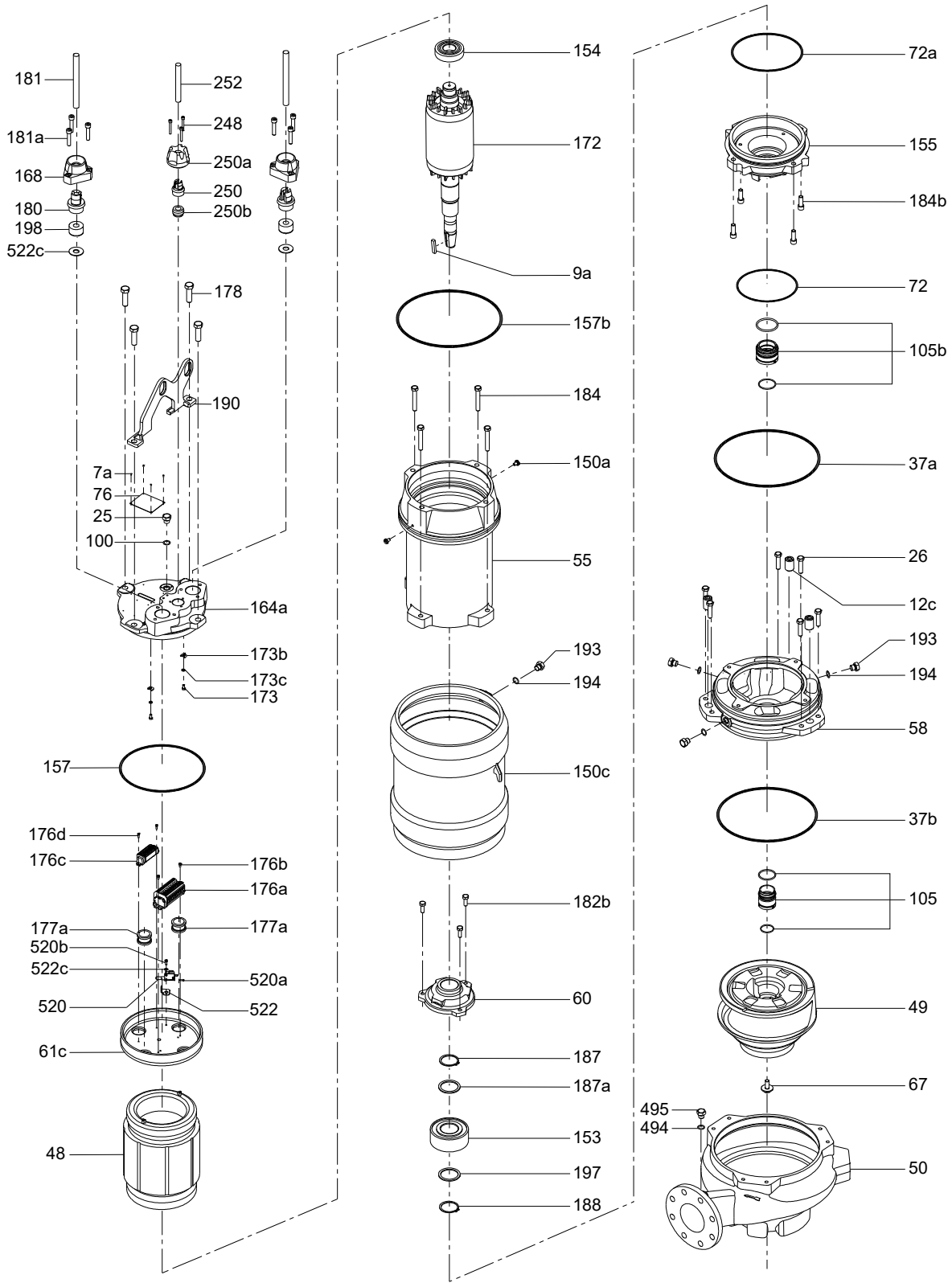
Production year		2008 and before		2008 and after
Pump type		Standard	Ex	Standard / Ex
Pos.	Cable type	5 x 10 mm ²	4 x 16 mm ²	4 x 6 mm ²
		7 x 6 mm ² +	5 x 10 mm ²	
		2 x 2.5 mm ²	7 x 6 mm ² +	
			2 x 2.5 mm ²	
Description/kit No		96294867	96294859	96842633
198	Rubber seal	2	2	1

Range 50 - Non-explosion-proof pump



TM070936

Range 54 - Non-explosion-proof pump



TM070938

Ex approved cable entry

Manufactured 6.9.2017 and forward.

Pos.	Cable ID	36-1	36-2	46-1	46-2	46-3	46-4
	Description/Kit No	99174565	99174566	99174567	99174568	99174569	99174570
7a	Rivet	2	2	2	2	2	2
76b	Approval plate	1	1	1	1	1	1
168	Cable entry	1	1	1	1	1	1
180	Cable clamp	2	2	1	1	1	1
180a	Bolt	2	2	-	-	-	-
	Screw	-	-	2	2	2	2
181a	Screw	3	3	3	3	3	3
185	Washer	1	1	-	2	3	5
198	Rubber seal	1	1	1	1	1	1

Bearing

Pos.	Range	50	54
	Description/Kit No	96494648	96294836
153	Angular bearing	1	1
154	Ball bearing	1	1
182	Circlip ²¹⁾	-	1
187	Circlip	1	1
187a	Washer	1	1
188	Circlip	-	1
197	Washer	-	1

²¹ For pumps manufactured 2004 and before.¹⁾**Moisture switch**

Pos.	Description/kit No	96256056
520	Moisture switch	1
-	Adjusting gauge	1
-	Connector set (6 pcs)	1

Note: Two moisture switches are used for explosion-proof pumps.**Water-in-oil sensor**

Description/kit No	96294840	96295122	96294841
Water-in-oil sensor	10 m	1	-
	25 m	-	1
	50 m	-	-
Cable entry	1	1	1
Rubber seal	1	1	1
Right-angle connector	1	1	1
Protective hose (8 m)	1	1	1
Fixing piece	2	2	2
Band	5	5	5
Band lock	2	2	2
O-ring 16.3 x 2.4	1	1	1
Glue (shrinkable)	1	1	1

Water-in-oil sensor seal

Description/kit No	96294839
Rubber seal	1

Primary shaft seal

Pos.	Production year		2008 and after	
	Range	50	54	
	Description	96567348	96567350	
105	Primary shaft seal	1	1	

Secondary shaft seal

Pos.	Production year		2008 and after	
	Range	50	54	
	Description/Kit No	96567338	96567341	
105b	Secondary shaft seal	1	1	

O-rings for oil/inspection plugs

Pos.	Description/Kit No	96467951	
194	O-ring	16.3 x 2.4	6

O-ring (pump and motor)

Pos.	Range		50	54
	Description/kit No		96494641	96294837
37a	O-ring	279.3 x 5.7	1	-
		309.3 x 5.7	-	1
37b	O-ring	269.3 x 5.7	1	-
		309.3 x 5.7	-	1
72	O-ring	184.3 x 5.7	1	-
		219.3 x 5.7	-	1
72a	O-ring	194.3 x 5.7	1	-
		229.3 x 5.7	-	1
100	O-ring	16.3 x 2.4	-	1
157	O-ring	194.3 x 5.7	1	-
		229.3 x 5.7	-	1
		249.3 x 5.7	-	1
157b	O-ring	279.3 x 5.7	1	-
		299.3 x 5.7	-	1
165	O-ring	149.3 x 5.7	-	1
194	O-ring	16.3 x 2.4	3	3
495	O-ring	16.3 x 2.4	1	1
194	O-ring	10.3 x 2.4	1	1
-	O-ring	10.1 x 1.6	1	-

Primary shaft seal

Pos.	Range	50	54
	Description	96567348	96567350
105	Primary shaft seal	1	1

Secondary shaft seal

Pos.	Range	50	54
	Description/Kit No	96567338	96567341
105b	Secondary shaft seal	1	1

Lifting bracket - Range 50

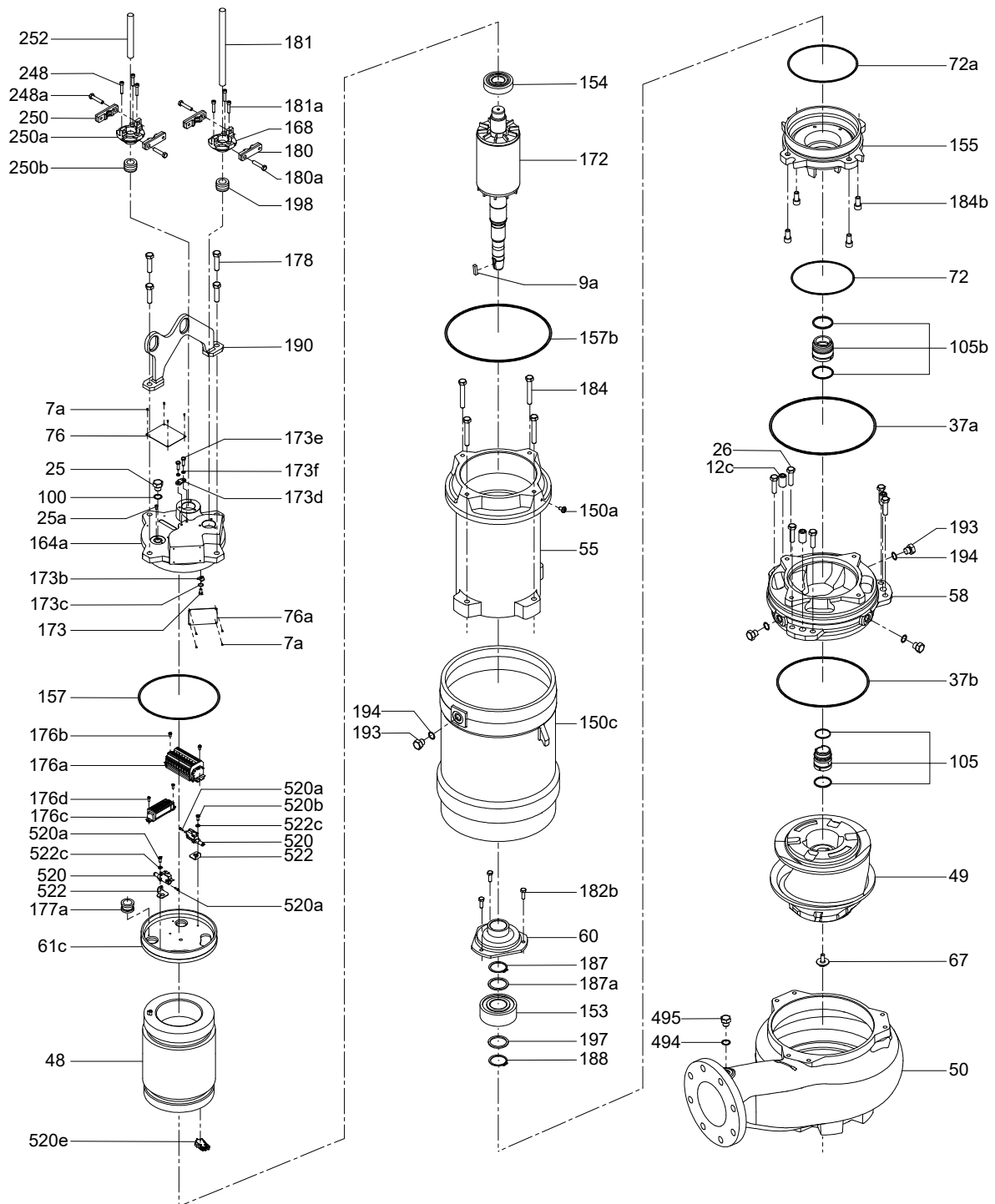
Pos.	Material	Galvanized steel	Stainless steel
	Description/kit No	96841674	96841675
190	Lifting bracket	1	1
190b	Screw	4	4

Lifting bracket - Range 54

Pos.	Material	Galvanized steel	Stainless steel
	Description/kit No	96841580	96838471
190	Lifting bracket	1	1
190b	Screw	4	4

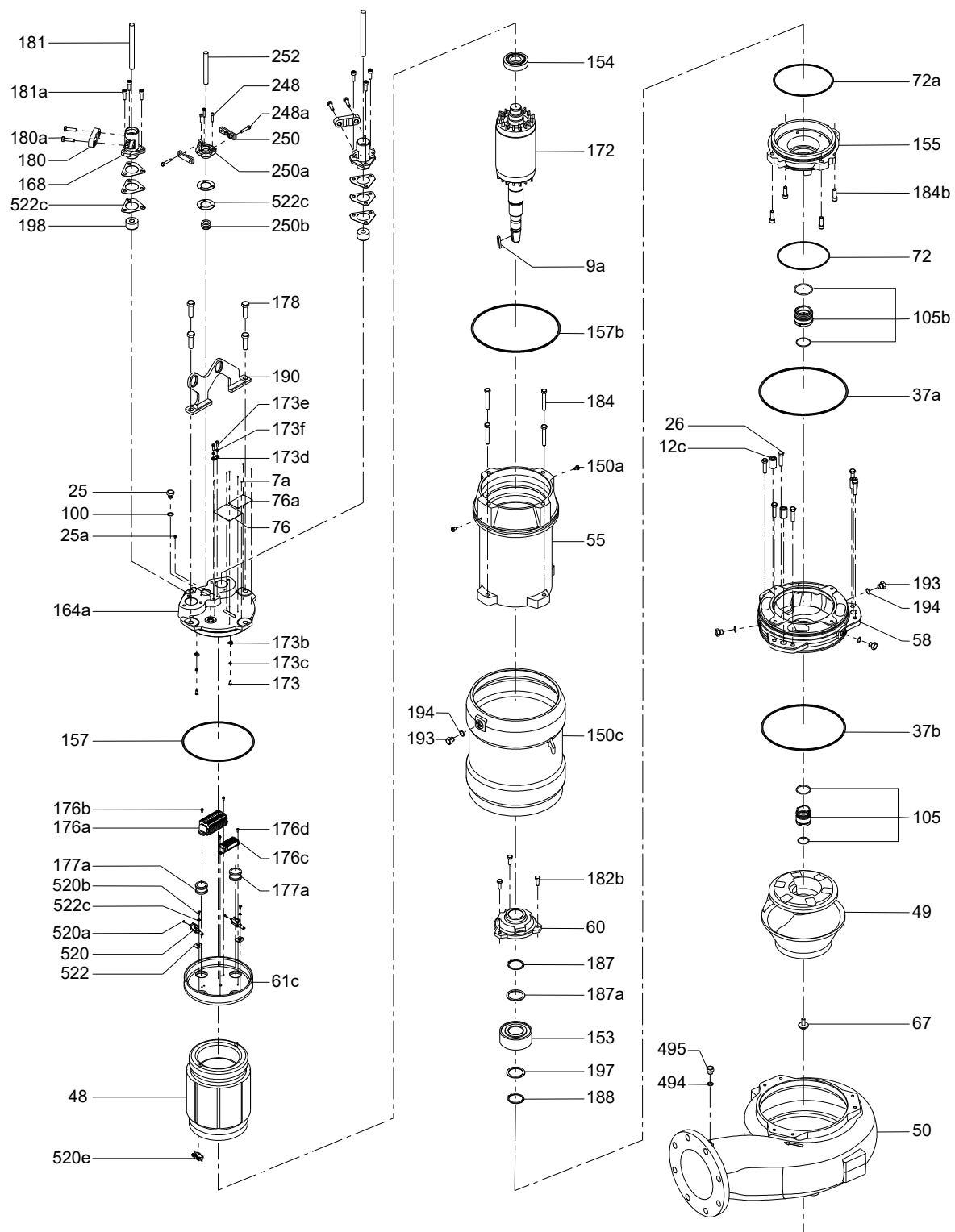


Range 50 - Explosion-proof pump



TM070937

Range 54 - Explosion-proof pump



TM070939

Ranges 58 and 62

Note: Pumps manufactured on 2008 can belong to an old or a new generation, contact Grundfos for correct kit.

Cable

Pos.	Description	Range	Pumps manufactured 2008 and before				Pumps manufactured 2008 and after ²¹²⁾			
			Cable length				Cable length			
			58	62	10 m (33 ft)	15 m (50 ft)	25 m (82 ft)	50 m (165 ft)	10 m (33 ft)	15 m (50 ft)
181	4 x 6 mm ²	●	-	-	-	-	97513145	97513160	97513175	97513190
	4 x 10 mm ²	●					97513147	97513162	97513177	97513192
	4 x 16 mm ²	●	96307983	96307984	96307985	96307986	97513149	97513164	97513179	97513194

²¹ Cable comes with factory fitted cable ends (cable shoes).

²⁾

Cable inlet - Range 58

Pos.	Production year		2008 and before		2008 and after					
	Pump type		Standard	Ex	Standard pumps			Ex pumps		
	Cable type		7 x 6 mm ² + 2 x 2.5 mm ²	7 x 6 mm ² + 2 x 2.5 mm ²	4 x 6 mm ²	4 x 10 mm ²	4 x 16 mm ²	4 x 6 mm ²	4 x 10 mm ²	4 x 16 mm ²
	Description/kit No		96294857	96294843	96842591	96842592	96842593	96842605	96842606	96842607
26	Screw (M10 x 40)		-	-	-	-	-	2	2	2
168	Cable entry		2	2	1	1	1	1	1	1
181a	Screw (M6 x 25)		8	6	3	3	3	3	3	3
180	Cable clamp		4	2	1	1	1	1	1	1
180a	Screw (M8 x 35)		4	-	-	-	-	-	-	-
750	Lock nut		4	-	-	-	-	-	-	-
751	Washer		4	-	-	-	-	-	-	-
752	Screw (M6 x 30)		4	-	-	-	-	-	-	-

Cable inlet - Range 62

Pos.	Production year		2008 and before		2008 and after					
	Pump type		Standard	Ex	Standard pumps			Ex pumps		
	Cable type		4 x 16 mm ²	4 x 16 mm ²	4 x 6 mm ²	4 x 10 mm ²	4 x 16 mm ²	4 x 6 mm ²	4 x 10 mm ²	4 x 16 mm ²
	Description/kit No		96294842	96294843	96842591	96842592	96842593	96842605	96842606	96842607
26	Screw (M10 x 40)		-	-	-	-	-	2	2	2
168	Cable entry		2	2	1	1	1	1	1	1
181a	Screw		6	6	3	3	3	3	3	3
180	Cable clamp		2	2	1	1	1	1	1	1

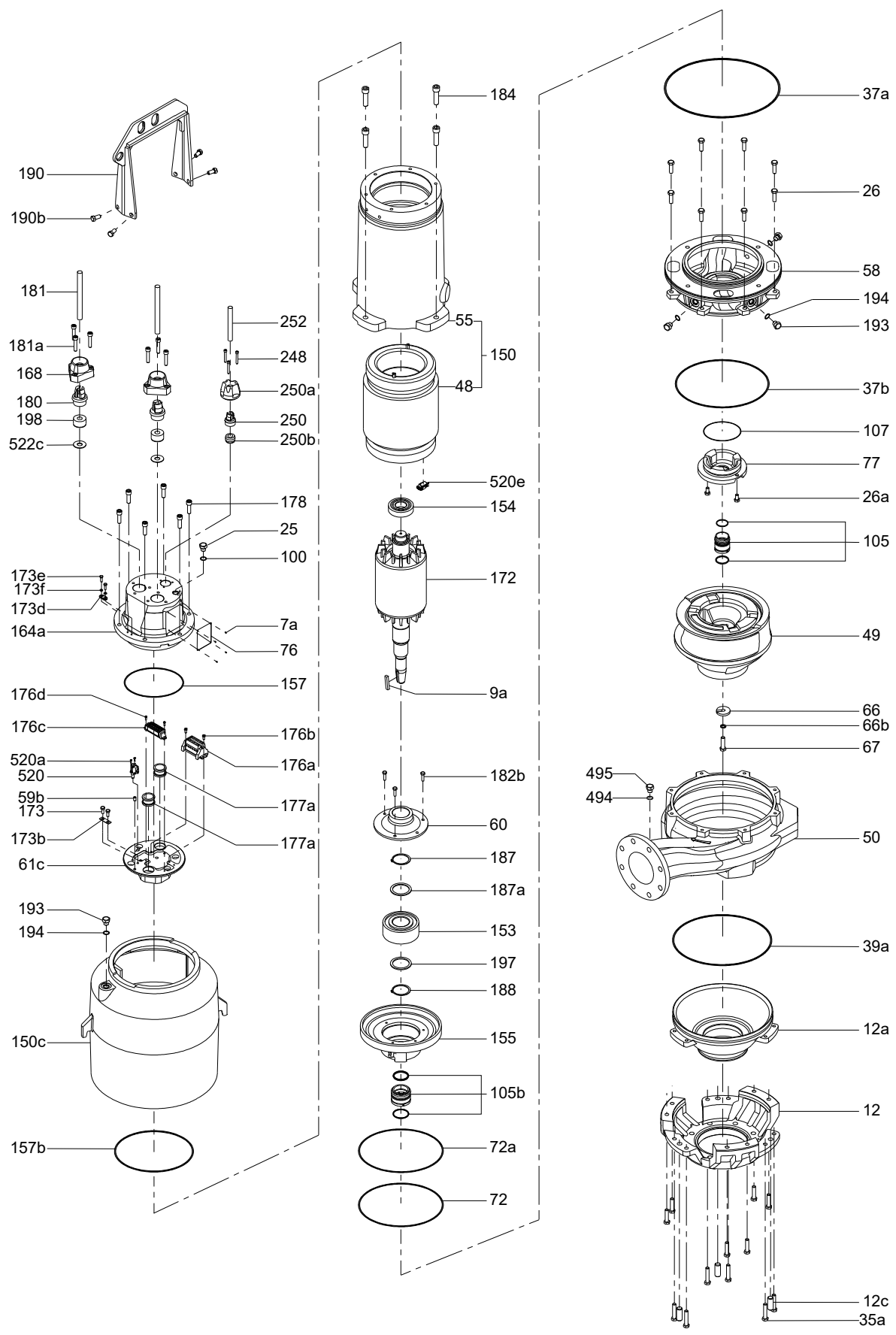
Cable inlet gasket- Range 58

Pos.	Production year		2008 or before		2008 and after	
	Pump type		Standard	Ex	Standard / Ex	
	Cable type		5 x 10 mm ²	5 x 10 mm ²	4 x 6 mm ²	
	Description/kit No		96294867	96294859	96842633	
198	Rubber seal		2	2	1	

Cable inlet gasket - Range 62

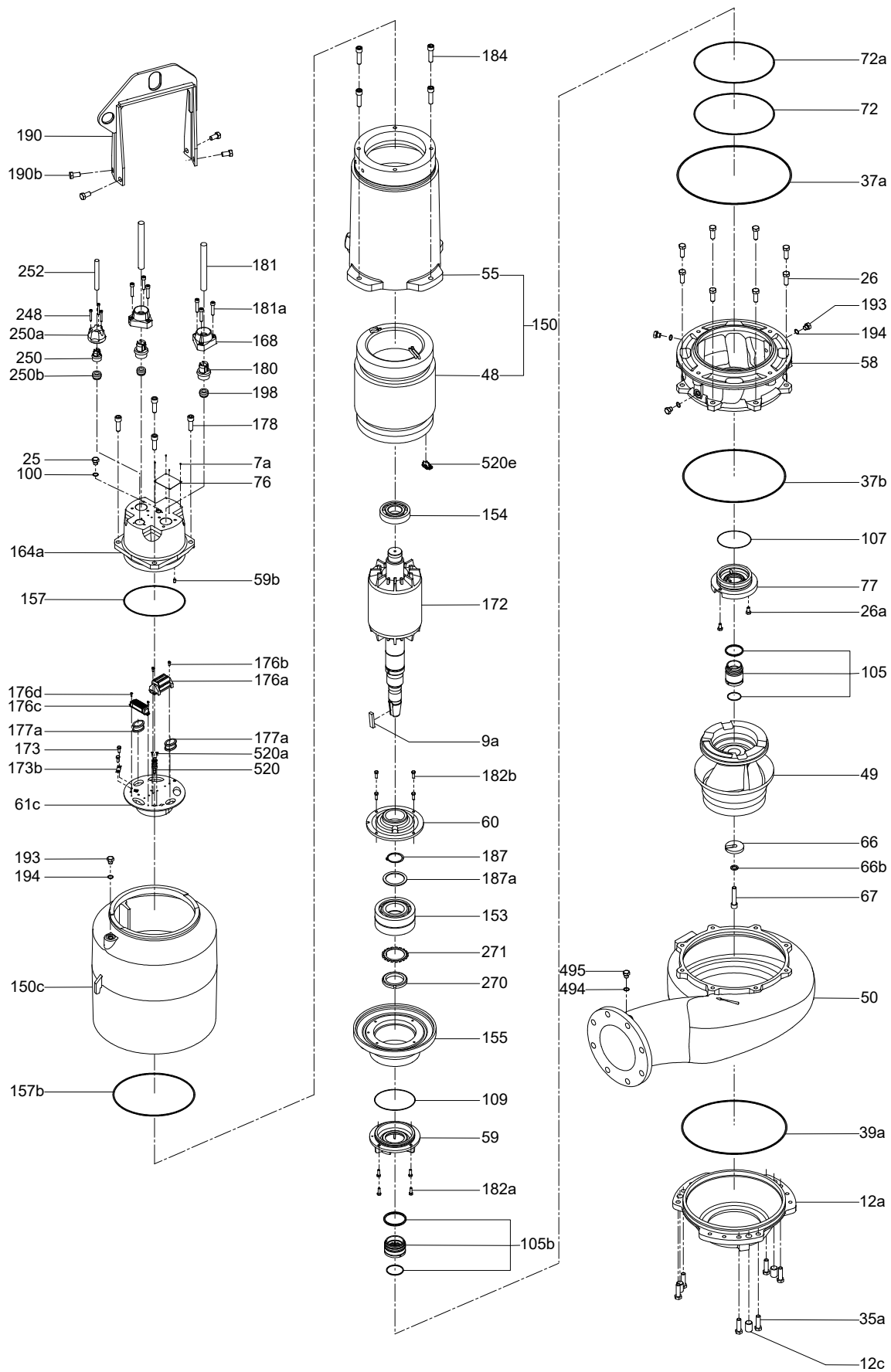
Pos.	Production year		2008 or before		2008 and after		
	Pump type		Standard	Ex	Standard / Ex		
	Cable type		5 x 10 mm ²	7 x 6 mm ² + 2 x 2.5 mm ²	4 x 6 mm ²	4 x 10 mm ²	4 x 16 mm ²
	Description/kit No		96294861	96294859	96842633	96842634	96842635
198	Rubber seal		2	2	1	1	1

Range 58 - Non-explosion-proof pump



TM070940

Range 62- Non-explosion-proof pump



TM070942

Control cable

Pos.	Description	2008 and before				2008 and after			
		Cable length				Cable length			
		10 m (33 ft)	15 m (50 ft)	25 m (82 ft)	50 m (165 ft)	10 m (33 ft)	15 m (50 ft)	25 m (82 ft)	50 m (165 ft)
252	7 x 1.5 mm ²	96307955	96307956	96307957	96307958	97513142	97513157	97513172	97513187

Control cable inlet

Pos.	Pump type	Standard	Ex
	Cable type	7 x 1.5 mm ²	
	Description/kit No	96842589	96842603
248	Screw (M6 x 45)	3	2
248a	Bolt (M8 x 40)	-	2
250	Cable clamp	1	2
250a	Cable entry	1	1

Control cable inlet gasket

Bearing

Pos.	Description	Kit No
250b	Rubber seal	95114127

Pos.	Range	58	62
	Description/kit No	96294833	96294830
153	Ball bearing (lower)	1	2
154	Ball bearing (upper)	1	1
187	Circlip	1	1
187a	Washer	1	1
188	Circlip	1	-
197	Washer*	1	-
270	Nut	-	1
271	Lock washer	-	1

Moisture switch

Pos.	Description/kit No	96256056
520	Moisture switch	1
-	Adjusting gauge	1
-	Connector set (6 pcs)	1

Note: Two moisture switches are used for explosion-proof pumps.

Water-in-oil sensor

Description/kit No	96294840	96295122	96294841
Water-in-oil sensor	10 m	1	-
	25 m	-	1
	50 m	-	1
Cable entry	1	1	1
Rubber seal	1	1	1
Right-angle connector	1	1	1
Protective hose (8 m)	1	1	1
Fixing piece	2	2	2
Band	5	5	5
Band lock	2	2	2
O-ring 16.3 x 2.4	1	1	1
Glue (shrinkable)	1	1	1



Lifting bracket

Pos.	Range	58	62
	Description/kit No	99466458	99466459
190	Lifting bracket	1	1
190b	Screw	4	4
190e	Plug	1	1

Water-in-oil sensor seal

Description/kit No	96294839
Rubber seal	1

O-ring, motors

Pos.	Range	58	62
	Description/kit No	96294834	96294831
37a	O-ring	399.3 x 5.7	-
		439.3 x 5.7	1
72	O-ring	279.3 x 5.7	-
		309.3 x 5.7	1
72a	O-ring	279.3 x 5.7	-
		319.3 x 5.7	1
100	O-ring	16.3 x 2.4	1
107	O-ring	124.3 x 5.7	-
		129.3 x 5.7	1
109	O-ring	149.3 x 5.7	1
157	O-ring	209.3 x 5.7	-
		229.3 x 5.7	1
157b	O-ring	279.3 x 5.7	-
		299.3 x 5.7	1
194	O-ring	16.3 x 2.4	4

O-ring, pumps

Pos.	Range	58	62
	Description/kit No	96294835	96294832
37	O-ring	439.3 x 5.7	-
		339.3 x 5.7	1
37b	O-ring	389.3 x 5.7	-
		399.3 x 5.7	1

Pos.	Range	58	62
	Description/kit No	96294835	96294832
37d	O-ring	499.3 x 5.7	-
		169.3 x 5.7	1
		209.3 x 5.7	1
		239.3 x 5.7	-
		249.3 x 5.7	1
39	O-ring	269.3 x 5.7	1
		299.3 x 5.7	-
		319.3 x 5.7	1
		309.3 x 5.7	-
		339.3 x 5.7	1
39a	O-ring	389.3 x 5.7	-
		399.3 x 5.7	1
		439.3 x 5.7	1
194	O-ring	16.3 x 2.4	1

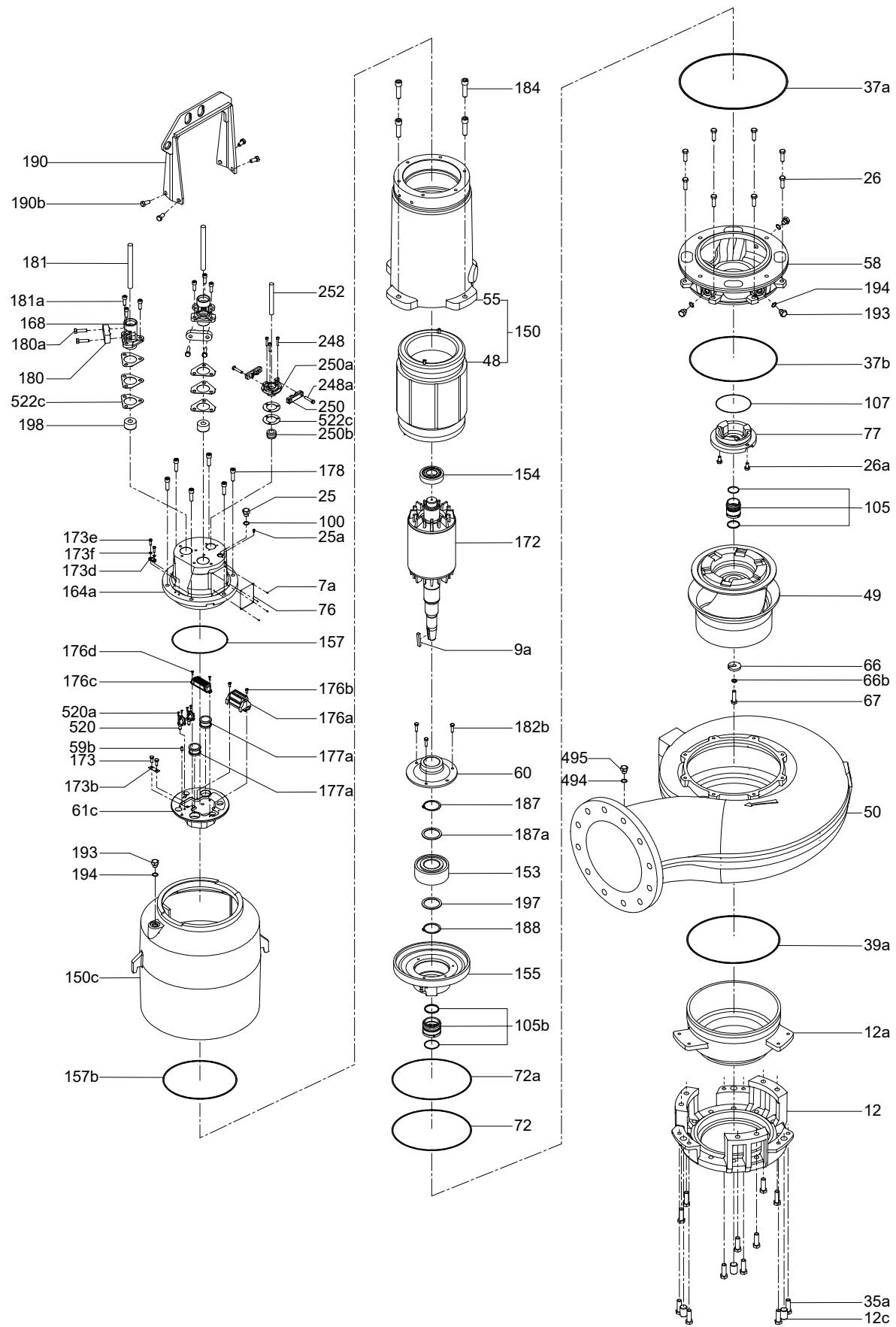
Secondary shaft seal

Pos.	Range	58	62
	Description	Kit No	Kit No
105b	Secondary shaft seal	96567341	96567343

Primary shaft seal

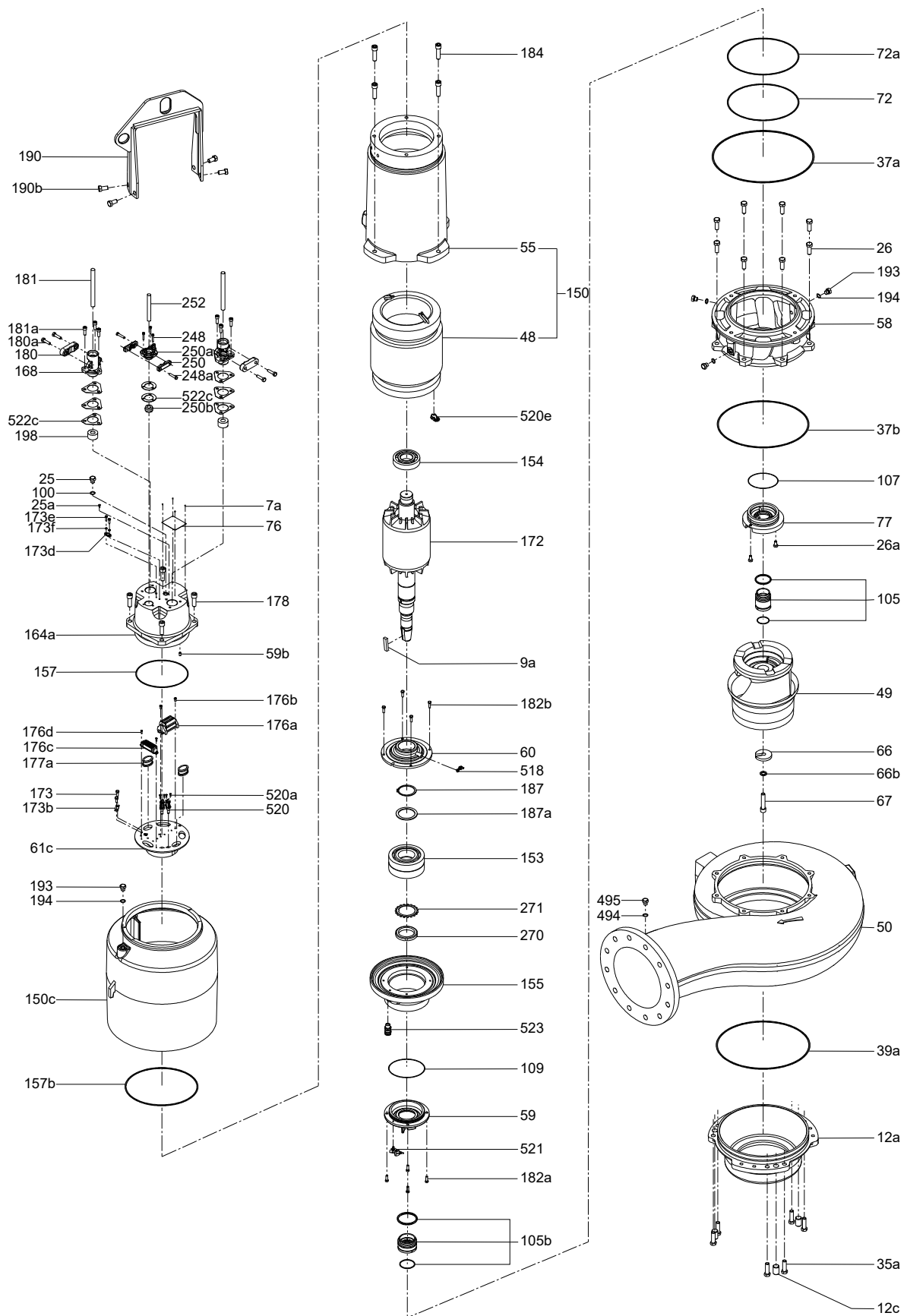
Pos.	Range	58	62
	Description	Kit No	Kit No
105	Primary shaft seal	96567350	96567355

Range 58 - Explosion-proof pump



TM070941

Range 62 - Explosion-proof pump



TM070943

Ranges 66 and 70

Note: Pumps manufactured on 2008 can belong to an old or a new generation, contact Grundfos for correct kit.

Cable

Pos.	Description	Range	Pumps manufactured 2008 and before				Pumps manufactured 2008 and after ²¹³⁾				
			Cable length				Cable length				
			66	70	10 m (33 ft)	15 m (50 ft)	25 m (82 ft)	50 m (165 ft)	10 m (33 ft)	15 m (50 ft)	25 m (82 ft)
181	4 x 10 mm ²	•	-	-	-	-	97513148	97513163	97513178	97513193	
	4 x 16 mm ²	•		96307983	97513165	96307985	96307986	97513150	97513165	97513180	97513195
	4 x 25 mm ²	• •		96307987	96307988	96307989	96307990	97913151	97513166	97513181	97513196
	4 x 35 mm ²	•		96307991	96307992	96307993	96307994	97513152	97513167	97613182	97513197
	4 x 50 mm ²	•		96307995	96307996	96307997	96307998	97513153	97513168	97513183	97513198
	4 x 70 mm ²	•		96307999	96308000	96308001	96308002	97513154	97513169	97513184	97513199

²¹ Cable comes with factory fitted cable ends (cable shoes).

³⁾

Power cable inlet - Range 66

Pos.	Pump type		Standard			Ex
	Cable type		4 x 10 mm ²	4 x 16 mm ²	4 x 25 mm ²	4 x 25 mm ²
	Description/Kit No		96842592	96842593	96842594	96842608
168	Cable entry		1	1	1	1
181a	Screw		3	3	3	3
180	Cable clamp		1	1	1	1
180a	Screw		-	-	2	2

Power cable inlet - Range 70

Pos.	Pump type		Standard				Ex			
	Cable type		4 x 25 mm ²	4 x 35 mm ²	4 x 50 mm ²	4 x 70 mm ²	4 x 25 mm ²	4 x 35 mm ²	4 x 50 mm ²	4 x 70 mm ²
	Description/Kit No		96842594	96842595	96842596	96842597	96842608	96842609	96842596	96842597
168	Cable entry		1	1	1	1	1	1	1	1
181a	Screw		3	3	3	3	3	3	3	3
180	Cable clamp		1	1	1	1	1	1	1	1
180a	Screw		2	2	2	2	2	2	2	2

Cable inlet, range 70

Pos.	Description/kit No									
	Standard pumps					Ex pumps				
	4 x 25 mm ²	4 x 50 mm ²	4 x 70 mm ²	4 x 95 mm ²		4 x 25 mm ²	4 x 35 mm ²	4 x 50 mm ²	4 x 70 mm ²	4 x 95 mm ²
50 Hz				-		96294846	96294848	96294851	96294854	96294856
60 Hz	96294844	96294844	96294853	-		96294847	96294849	96294852	-	-
60 Hz - U				96294855		-	-	-	-	-

Content

Pos.	Description	Quantity
168	Cable entry	2
181a	Screw	6
180	Cable clamp	2

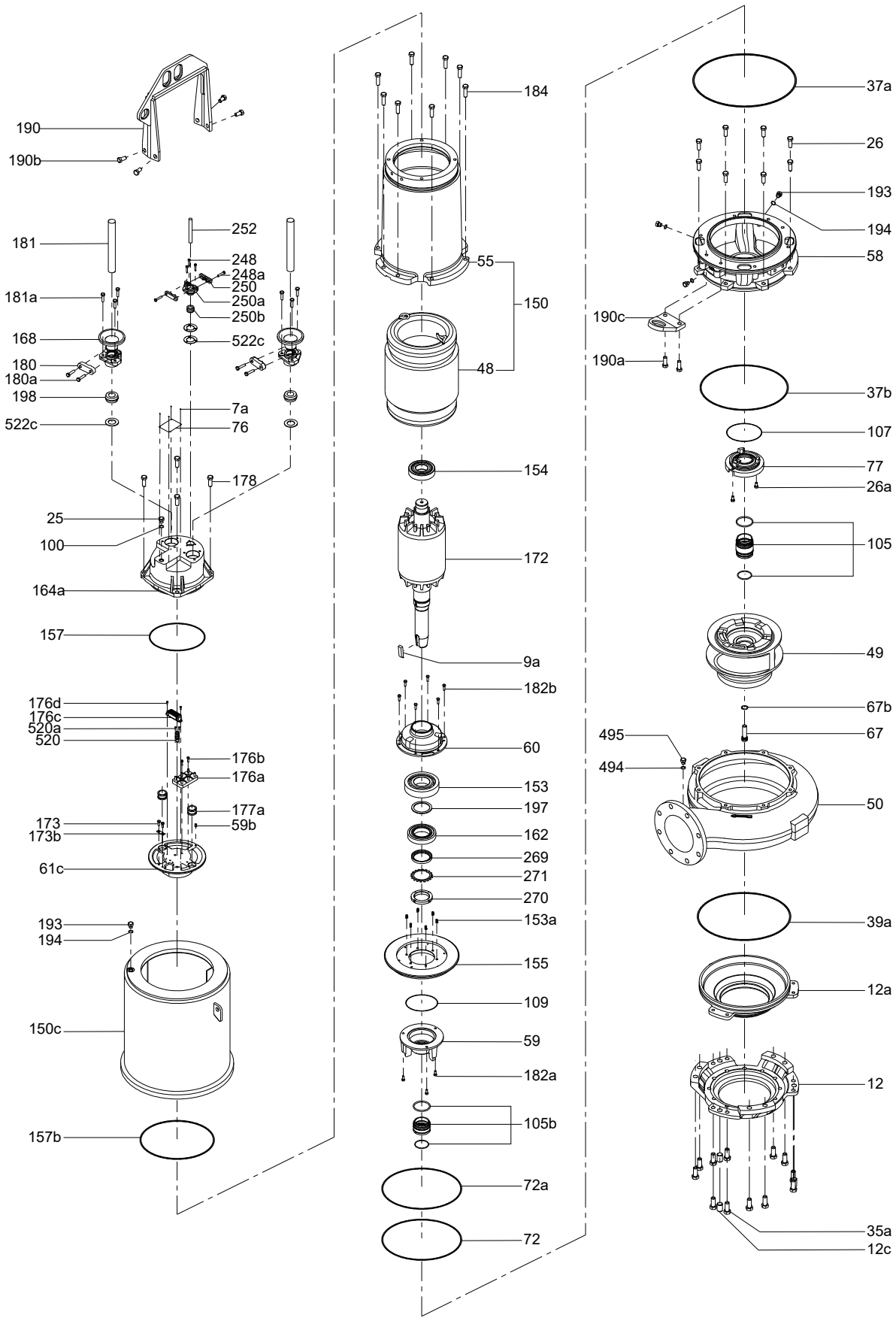
Ex approved cable entry

Manufactured 6.9.2017 and forward.



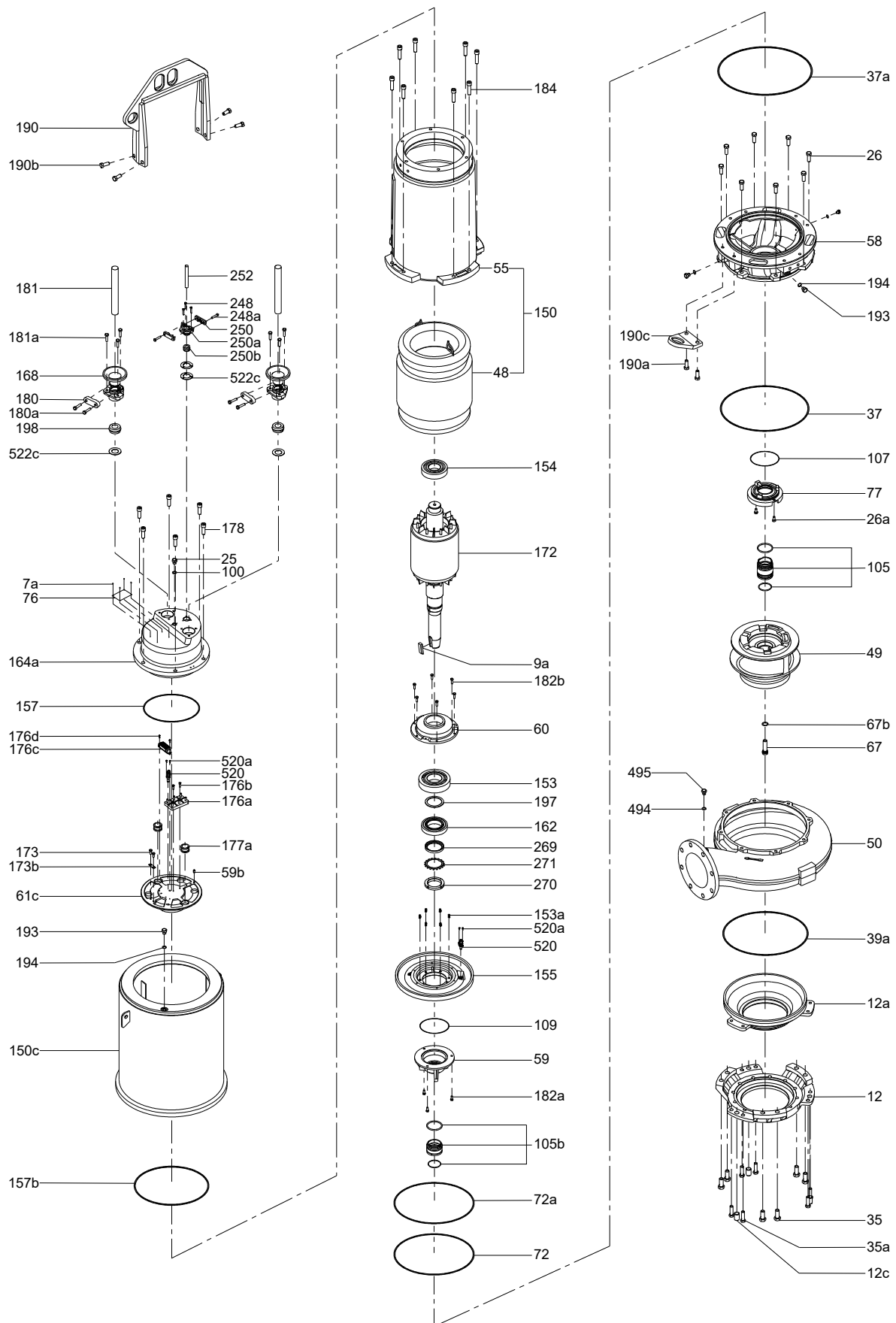
Pos.	Cable ID	36-1	36-2	46-1	46-2	46-3	46-4	65-1	65-2
	Description/Kit No	99174565	99174566	99174567	99174568	99174569	99174570	99174571	99174572
7a	Rivet	2	2	2	2	2	2	2	2
76b	Approval plate	1	1	1	1	1	1	1	1
168	Cable entry	1	1	1	1	1	1	1	1
180	Cable clamp	2	2	1	1	1	1	1	1
180a	Bolt	2	2	-	-	-	-	-	-
	Screw	-	-	2	2	2	2	2	2
181a	Screw	3	3	3	3	3	3	3	3
185	Washer	1	1	-	2	3	5	-	3
198	Rubber seal	1	1	1	1	1	1	1	1

Range 66- Non-explosion-proof pump



TM070944

Range 70 - Non-explosion-proof pump



TM070946

Cable inlet gasket - Range 66

Pos.	Pump type	Standard pumps			Ex	
	Cable type	4 x 10 mm ²	4 x 16 mm ²	4 x 25 mm ²	4 x 25 mm ²	4 x 35 mm ²
	Description/kit No					
		96294861			96294863	96294864
198	Rubber seal	2	2	2	2	2

Cable inlet gasket - Range 70

Pos.	Pump type	Standard and Ex				
	Cable type	4 x 25 mm ²	4 x 35 mm ²	4 x 50 mm ²	4 x 70 mm ²	4 x 95 mm ²
	Description/kit No					
		96294862	96294863	96294864	96294865	96294866
198	Rubber seal	2	2	2	2	2

Control cable

Pos.	Description	Pumps manufactured 2008 and before ²¹⁴⁾				Pump manufactured 2008 and after ²¹⁴⁾			
		Cable length				Cable length			
		10 m (33 ft)	15 m (50 ft)	25 m (82 ft)	50 m (165 ft)	10 m (33 ft)	15 m (50 ft)	25 m (82 ft)	50 m (165 ft)
252	3 x 2.5 mm ² ²¹⁴⁾	96308007	96308008	96308009	96308010	-	-	-	-
252	7 x 1.5 mm ²	96307955	96307956	96307957	96307958	97513142	97513157	97513172	97513187

²¹ Pumps manufacture on 2008, contact Grundfos for correct kit.

⁴⁾

Control cable inlet

Pos.	Pump type	Standard / FM	Ex
	Cable type	7 x 1.5 mm ²	
	Description/Kit No	96842589	96842603
250	Cable clamp	1	2
250a	Cable entry	1	1
248	Screw	3	3
248a	Screw	-	1

Bearing

Pos.	Range	66	66 Ex / 70	70 ²¹⁵⁾
	Description/kit No	96294827	96294823	96294824
153	Ball bearing (upper)	1	1	2
153a	Spring	6	6	6
154	Ball bearing (lower)	1	1	1
162	Roller bearing	1	1	1
197	Washer ²¹⁶⁾	1	1	1
269	Angular ring ²¹⁶⁾	1	1	1
270	Nut	1	1	1
271	Lock washer	1	1	1

²¹ For following 50 Hz standard and Ex pumps:

⁵⁾ - 115 kW 4-pole S hydraulics

- 130 kW 6-pole H, L, M, E hydraulics

- 160 kW 4-pole H, L, M, S hydraulics.

²¹ For pumps manufactured 2004 and before.

⁶⁾

Moisture switch

Pos.	Description/kit No	96256056
520	Moisture switch	1
-	Adjusting gauge	1
-	Connector set (6 pcs)	1

Note: Two moisture switches are used for explosion-proof pumps.



Water-in-oil sensor

Description/kit No	96294840	96295122	96294841
Water-in-oil sensor	10 m	1	-
	25 m	-	1
	50 m	-	1
Cable entry	1	1	1
Rubber seal	1	1	1
Right-angle connector	1	1	1
Protective hose (8 m)	1	1	1
Fixing piece	2	2	2
Band	5	5	5
Band lock	2	2	2
O-ring 16.3 x 2.4	1	1	1
Glue (shrinkable)	1	1	1

Water-in-oil sensor seal

Description/kit No	96294839
Rubber seal	1

Primary shaft seal

Pos.	Production year	2008 and before		
	Range	66	70	70
	Interchangeability	-, A, B	A, B	-
	Description/Kit No	96567358	96567358	96567358
105	Primary shaft seal	1	1	1
62	O-ring 74.5 x 3.0	1	1	1

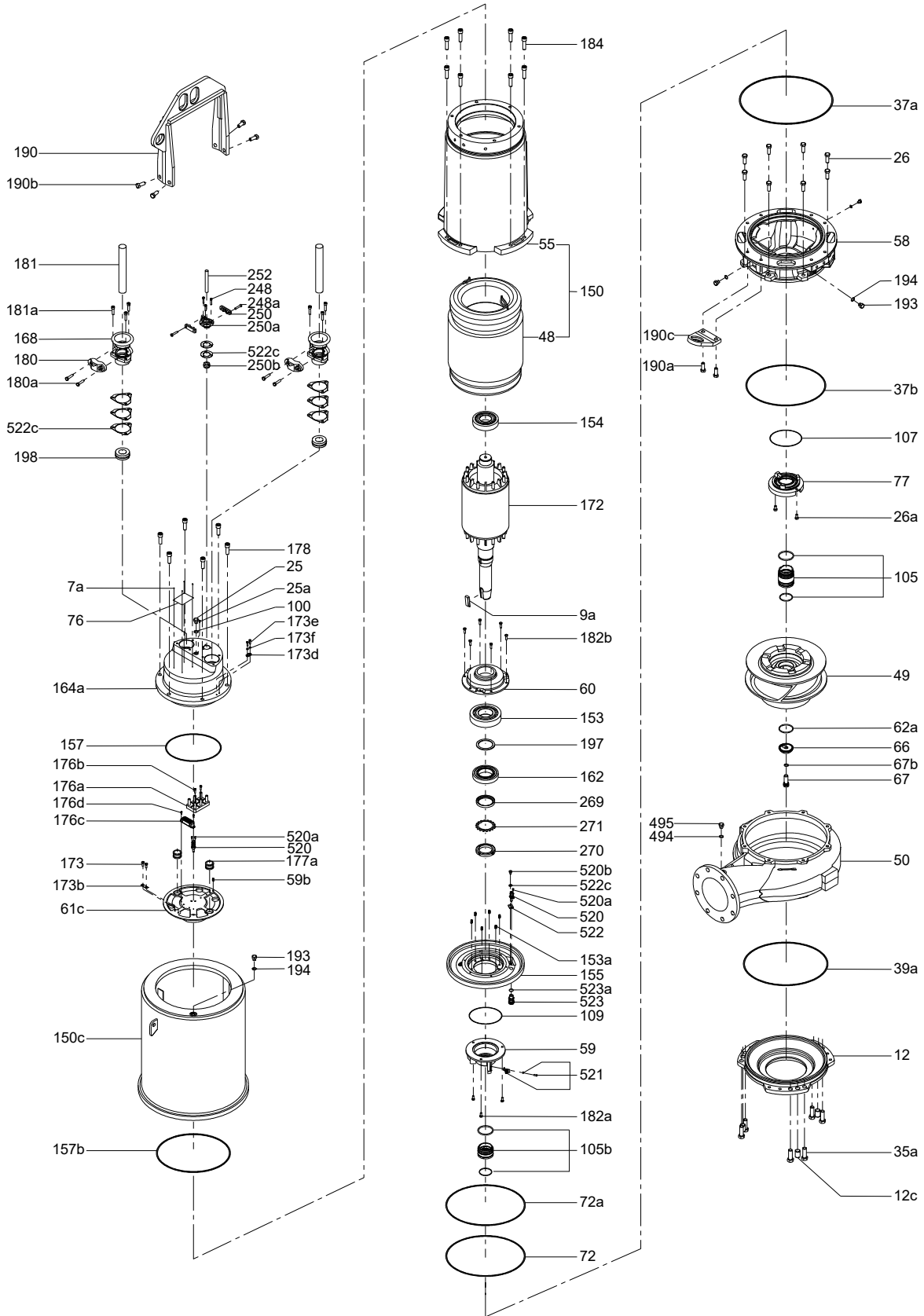
Pos.	Production year	2008 and after	
	Range	66 / 70	
	Description/Kit No	96844618	
105	Primary shaft seal	1	

Secondary shaft seal

Pos.	Production year	2008 and before	
	Range	66	70
	Interchangeability	-, A, B	A, B
	Description/Kit No	96567343	96567343
105b	Secondary shaft seal	1	1

Pos.	Production year	2008 and after	
	Range	66 / 70	
	Description/Kit No	96567343	
105b	Secondary shaft seal	1	

Range 66 and 70 - Explosion proof pump



TM070945

O-ring, motors

Pos.	Range		66	70
	Description/kit No		96294828	96294825
37a	O-ring	499.3 x 5.7	1	1
		535.0 x 5.7	-	1
39	O-ring	299.3 x 5.7	-	1
72	O-ring	339.3 x 5.7	1	-
		349.3 x 5.7	1	-
		399.3 x 5.7	1	1
72a	O-ring	349.3 x 5.7	1	-
		359.3 x 5.7	1	-
		399.3 x 5.7	1	1
		419.3 x 5.7	-	1
100	O-ring	16.3 x 2.4	1	-
107	O-ring	139.3 x 5.7	1	1
109	O-ring	159.3 x 5.7	1	1
157	O-ring	259.3 x 5.7	1	-
		309.3 x 5.7	1	1
157b	O-ring	339.3 x 5.7	1	-
		349.3 x 5.7	1	-
		399.3 x 5.7	1	1
194	O-ring	16.3 x 2.4	3	3
62	O-ring	54.5 x 3.0	1	1

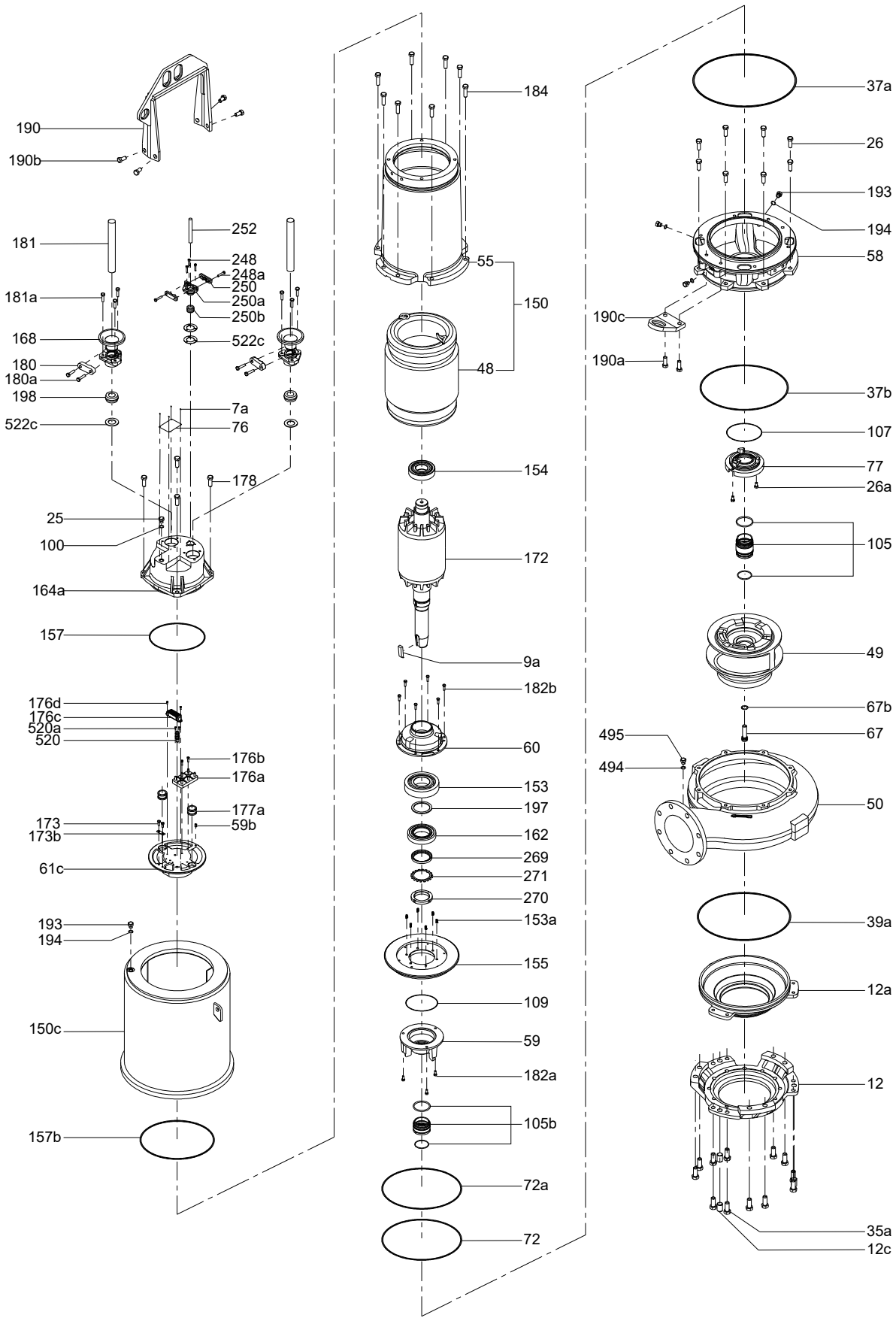
O-ring, pumps

Pos.	Range		66	70
	Description/kit No		96294829	96294826
37	O-ring	499.3 x 5.7	1	1
37b	O-ring	419.3 x 5.7	1	1
		439.3 x 5.7	1	1
39	O-ring	269.3 x 5.7	-	1
		279.3 x 5.7	1	1
		289.3 x 5.7	-	1
		299.3 x 5.7	1	1
		309.3 x 5.7	1	1
		399.3 x 5.7	1	1
		439.3 x 5.7	1	1
		419.3 x 5.7	1	1
39a	O-ring	439.3 x 5.7	1	1
		499.3 x 5.7	1	1
62	O-ring	69.5 x 3.0	1	1
		74.5 x 3.0	1	1
62a	O-ring	64.5 x 3.0	1	1
67b	O-ring	22.3 x 3.0	1	1
109	O-ring	59.5 x 3.0	1	1
495	O-ring	16.3 x 2.4	1	1

Lifting bracket

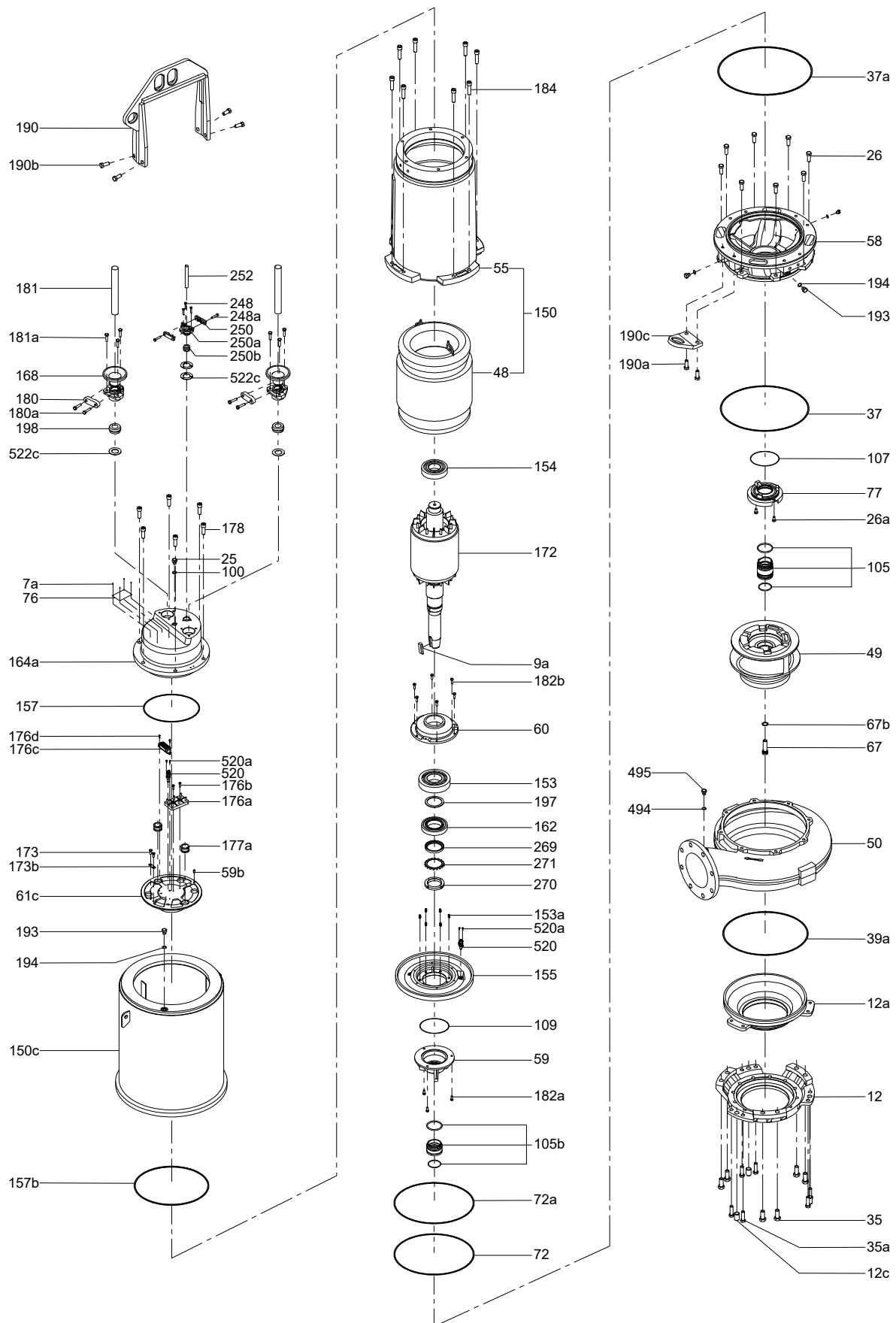
Pos.	Range		66	70
	Description/kit No		99466460	99466462
190	Lifting bracket		1	1
190b	Screw		4	4
190e	Plug		-	1
190f	Washer		4	4

Range 66- Non-explosion-proof pump



TM070944

Range 70 - Non-explosion-proof pump



TM070946

Range 72

50/60 Hz

Cable

Pos.	Description	Cable length			
		10 m (33 ft)	15 m (50 ft)	25 m (82 ft)	50 m (165 ft)
181	4 x 70 mm ²	97621415	97655908	97655909	97655921
	4 x 95 mm ²	97621414	97655904	97655905	97655906
	4 x 120 mm ²	97621413	97655886	97655889	97655890

Cable inlet

Pos.	Poles	10		6, 8		4	
	Cable type	4 x 70 mm ²		4 x 95 mm ²		4 x 120 mm ²	
	Pump type	Standard	Ex	Standard	Ex	Standard	Ex
	Description/kit No	96842597	96842611	96293955	97621409	96293954	97621410
168	Cable entry	1	1	1	1	1	1
180	Cable clamp	1	1	1	1	1	1
180a	Hex screw	3	3	2	2	2	2
181a	Socket cap screw	2	2	3	3	3	3

Cable inlet gasket

Pos.	Description	Cable type	Poles	Kit No
198	Rubber seal	4 x 120 mm ²	4	97621411
		4 x 95 mm ²	6, 8	97621412
		4 x 70 mm ²	10	96842639

Ex approved cable inlet

Manufactured 6.9.2017 and forward.

Pos.	Cable ID	46-1	46-2	46-3	46-4	80-1	80-2	80-3	100-1	100-2	100-3
	Description/Kit No	99174567	99174568	99174569	99174570	99174573	99174574	99174575	99174576	99174577	99174578
7a	Rivet	2	2	2	2	2	2	2	2	2	2
76b	Approval plate	1	1	1	1	1	1	1	1	1	1
168	Cable entry	1	1	1	1	1	1	1	1	1	1
180	Cable clamp	1	1	1	1	1	1	1	1	1	1
180a	Screw	2	2	2	2	2	2	2	2	-	-
	Bolt	-	-	-	-	-	-	-	-	2	2
181a	Screw	3	3	3	3	3	3	3	3	3	3
185	Washer	-	2	3	5	3	3	3	-	8	6
198	Rubber seal	1	1	1	1	1	1	1	1	1	1

Control cable

Pos.	Description	Cable length			
		10 m (33 ft)	15 m (50 ft)	25 m (82 ft)	50 m (165 ft)
252	10 x 1.5 mm ²	95112879	95112880	95112881	95112882

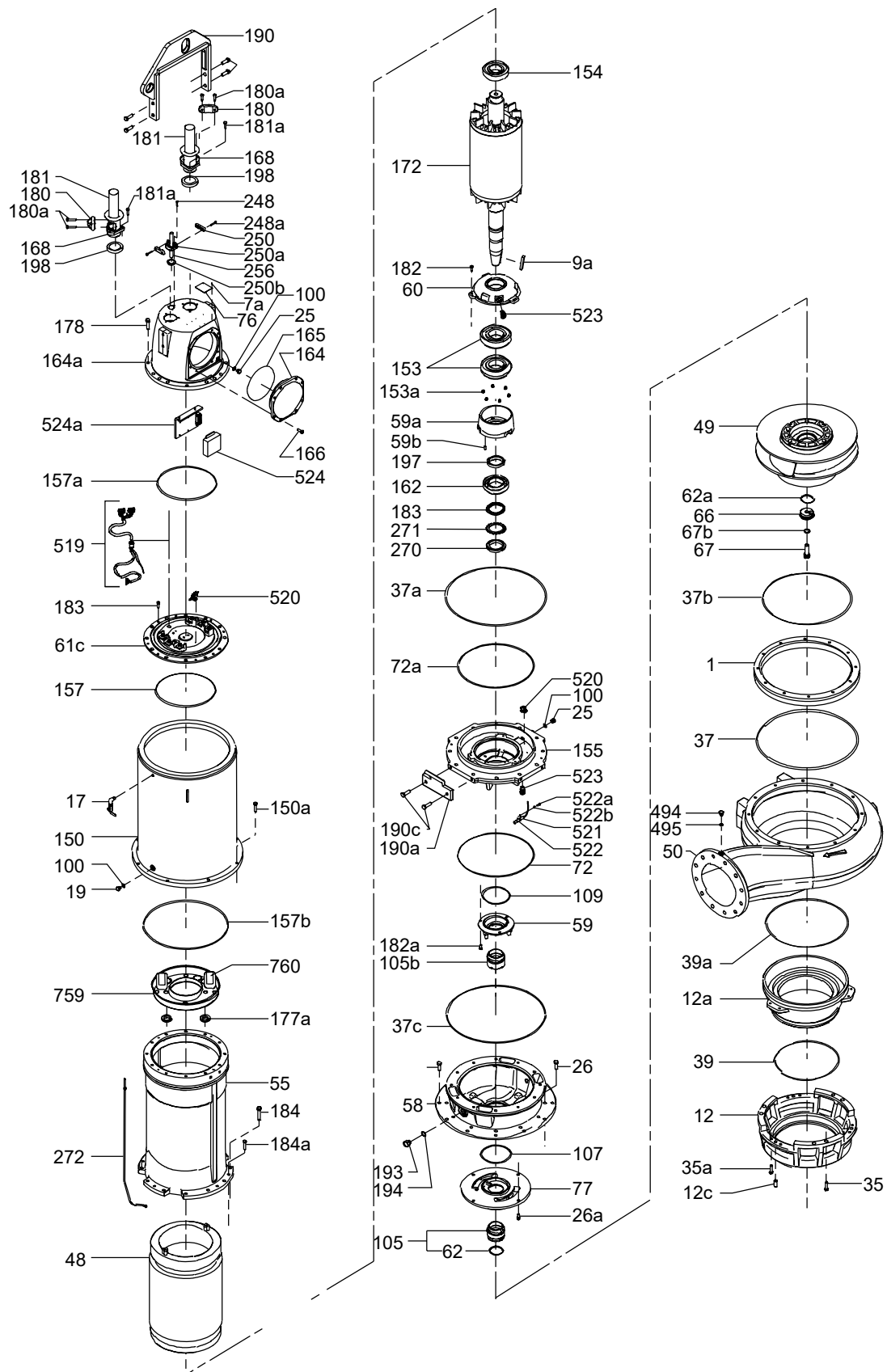
Control cable inlet

Pos.	Cable size	10 x 1.5 mm ²	
	Pump type	Standard	Ex & FM
	Description/kit No	96842618	96842612
250a	Cable entry	1	1
250	Cable clamp	1	1
248a	Hex screw	2	2
248	Socket cap screw	3	3

Control cable inlet gasket

Pos.	Description	Cable type	Kit No
250b	Rubber seal	10 x 1,5 mm ²	96842640

Range 72



TM033053

Lower bearing

Pos.	Description/kit No	96293943
59a	Locking ring	1
59b	Pin	1
153	Angular bearing	2
153a	Spring	6
162	Roller bearing	1
197	Support washer	1
269	Intermediate ring	1
270	Nut	1
271	Lock washer	1

Upper bearing

Pos.	Description	97621449
154	Bearing	1

Moisture switch

Pos.	Description/kit No	96256056
520	Moisture switch	1
-	Adjusting gauge	1
-	Connector set (6 pcs)	1

Water-in-oil sensor

Pos.	Description/kit No	96293944
521	Water-in-oil sensor (cable 2.5 m)	1
522	Sensor holder	1
522a	Screw M6 x 16	1
522b	Washer	1

Primary shaft seal

Pos.	Description/kit No	96293941
105	Primary shaft seal	1

Secondary shaft seal

Pos.	Description/kit No	96293942
105b	Secondary shaft seal	1

O-ring, motor

Pos.	Description/kit No	96293952	
37c	O-ring	608.1 x 7.0	1
72	O-ring	456.1 x 7.0	1
72a	O-ring	456.1 x 7.0	1
100	O-ring	16.3 x 2.4	1
107	O-ring	181.0 x 7.0	1
109	O-ring	169.3 x 5.7	1
157	O-ring	418.0 x 7.0	1
157a	O-ring	430.7 x 7.0	1
165	O-ring	234.3 x 7.0	1

O-ring, pump

Pos.	Description/kit No	96293951	
37	O-ring	647.1 x 7.0	1
37b	O-ring	557.7 x 7.0	1
39	O-ring	379.3 x 5.7	1
		399.3 x 5.7	1
		439.3 x 5.7	1
		582.7 x 7.0	1
		419.3 x 5.7	1
39a	O-ring	499.3 x 5.7	1
		596.3 x 7.0	1
100	O-ring	16.3 x 2.4	1

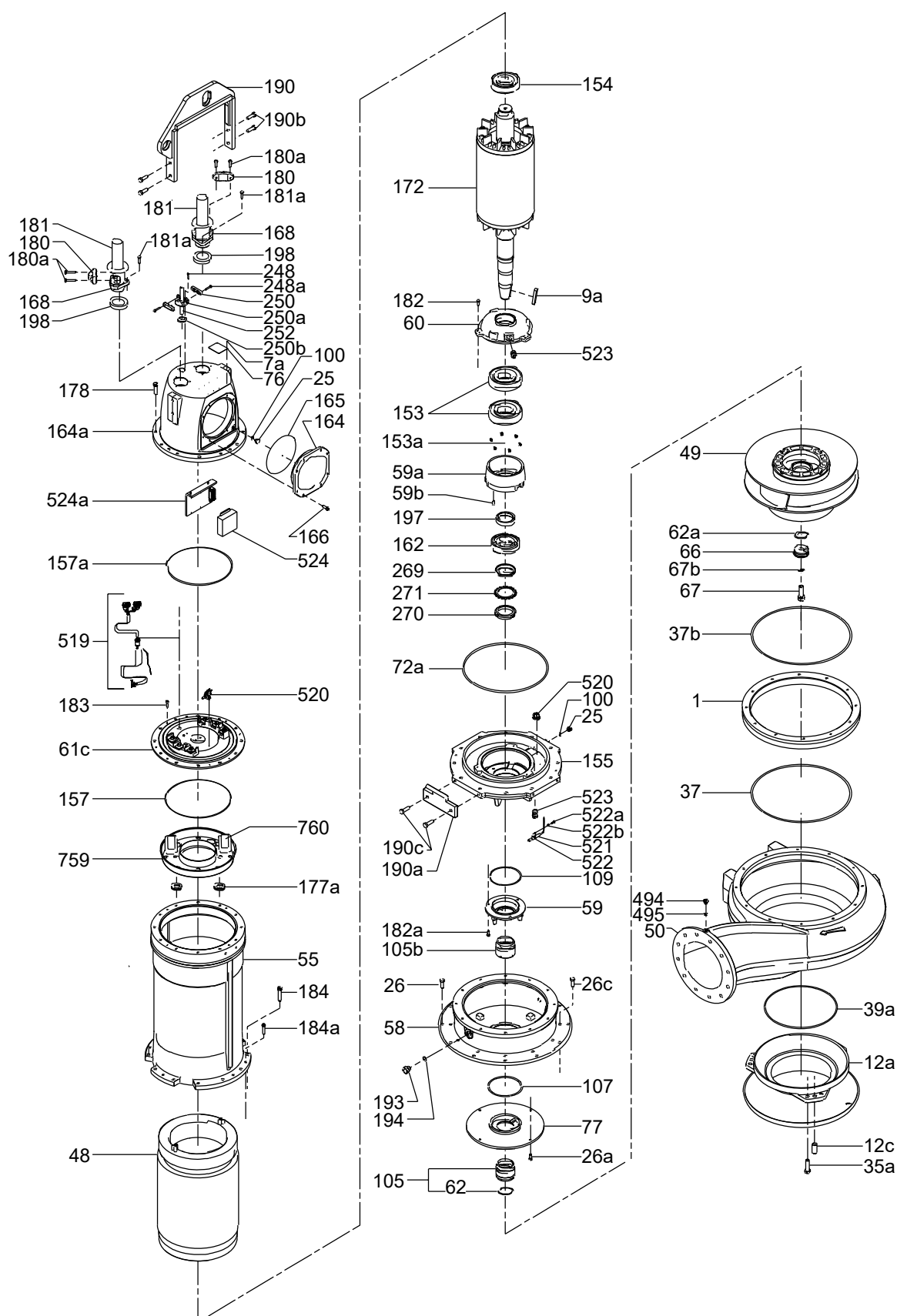
Lifting lug

Pos.	Description	97621402
190a	Lifting lug	1
190c	Screw	4

Lifting bracket

Pos.	Description	99466594
190	Lifting bracket	1
190b	Screw	4

Range 72



TM033055

Ranges 74 and 78

50/60 Hz

Cable

Pos.	Description	Range		Cable length			
		74	78	10 m (33 ft)	15 m (50 ft)	25 m (85 ft)	50 m (165 ft)
181	4 x 70 mm ²	•	•	97621415	97655908	97655909	97655921
	4 x 95 mm ²	•	•	97621414	97655904	97655905	97655906
	4 x 120 mm ²	•	•	97621413	97655886	97655889	97655890
	4 x 150 mm ²		•	97623094	97655928	97655929	97655930
	4 x 185 mm ²		•	97623093	97655924	97655926	97655927

Cable inlet

Pos.	Cable type	4 x 70 mm ²		4 x 95 mm ²		4 x 120 mm ²		4 x 150 mm ²		4 x 185 mm ²	
	Pump type	Standard	Ex	Standard	Ex	Standard	Ex	Standard	Ex	Standard	Ex
	Description/kit No	99198884	96842597	99198886	96293955	99198888	96293954	99198887	95113495		95113496
39c	O-ring	1		1		1		1			
168	Cable entry	1		1		1		1			
168a	Adapter flange	1		1		1		1			
180	Cable clamp	1		1		1		1			
180a	Hex screw	2		2		2		2			
181a	Screw	3		3		3		3			
183b	Hex head screw	3		3		3		3			

Cable inlet gasket

Pos.	Cable size	4 x 70 mm ²		4 x 95 mm ²		4 x 120 mm ²		4 x 150 mm ²	
	Description/kit No		96842639		97621412		97621411		97623091
198	Rubber seal		1		1		1		1

Ex approved cable inlet

Manufactured 6.9.2017 and forward.

Pos.	Cable ID	46-1	46-2	46-3	46-4	80-1	80-2	80-3	100-1	100-2	100-3
	Description/Kit No	99174567	99174568	99174569	99174570	99174573	99174574	99174575	99174576	99174577	99174578
7a	Rivet	2	2	2	2	2	2	2	2	2	2
76b	Approval plate	1	1	1	1	1	1	1	1	1	1
168	Cable entry	1	1	1	1	1	1	1	1	1	1
180	Cable clamp	1	1	1	1	1	1	1	1	1	1
180a	Screw	2	2	2	2	2	2	2	2	-	-
	Bolt	-	-	-	-	-	-	-	-	2	2
181a	Screw	3	3	3	3	3	3	3	3	3	3
185	Washer	-	2	3	5	3	3	3	-	8	6
198	Rubber seal	1	1	1	1	1	1	1	1	1	1

Control cable

Pos.	Description/length	10 m	15 m	25 m	50 m
252	Control cable (10 x 1.5 mm ²)	95112879	95112880	95112881	95112882

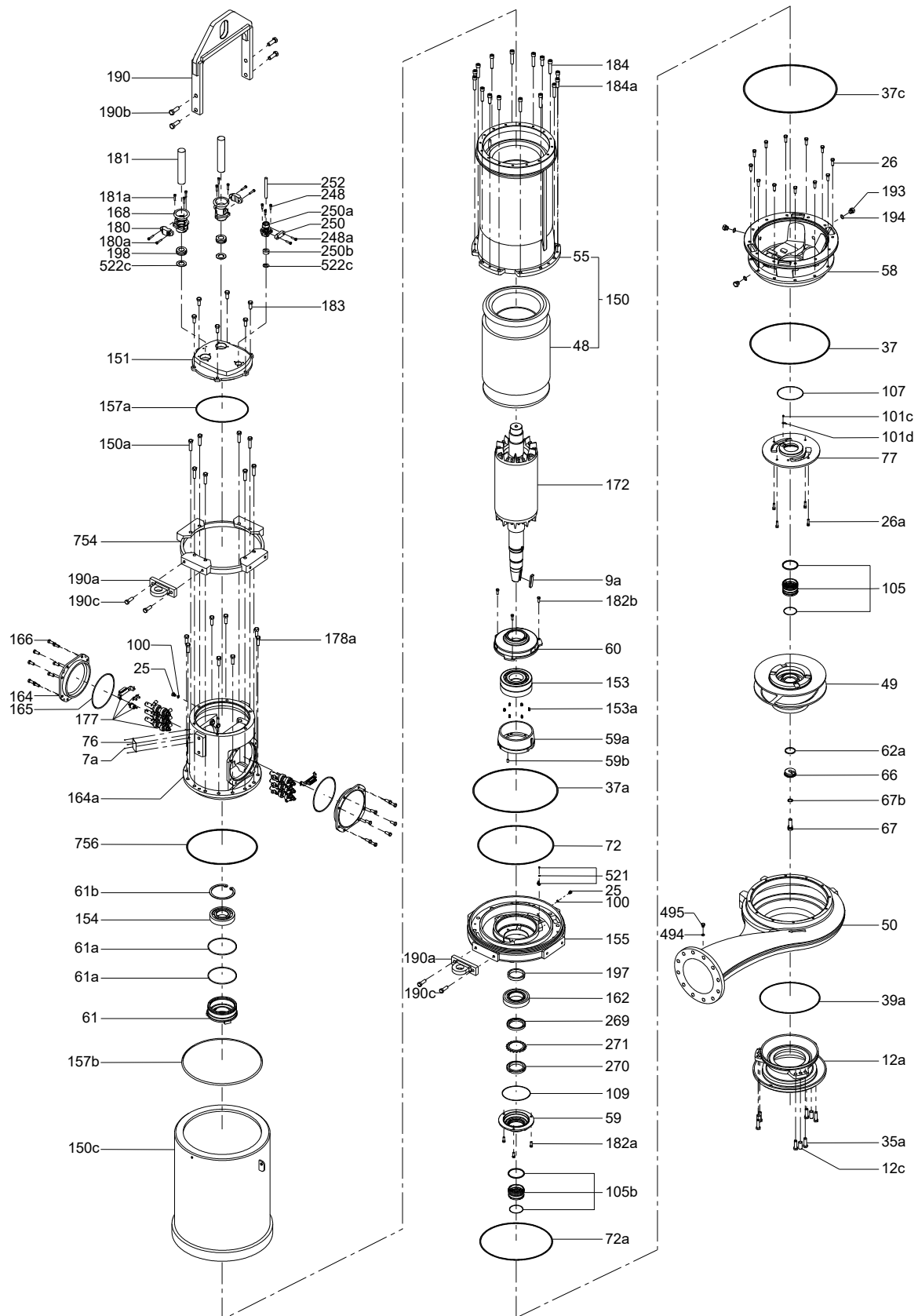
Control cable inlet

Pos.	Description/kit No	96842612
168	Cable entry	1
180	Cable clamp	1
181a	Socket cap screw	3
248a	Hex screw	2

Control cable inlet gasket

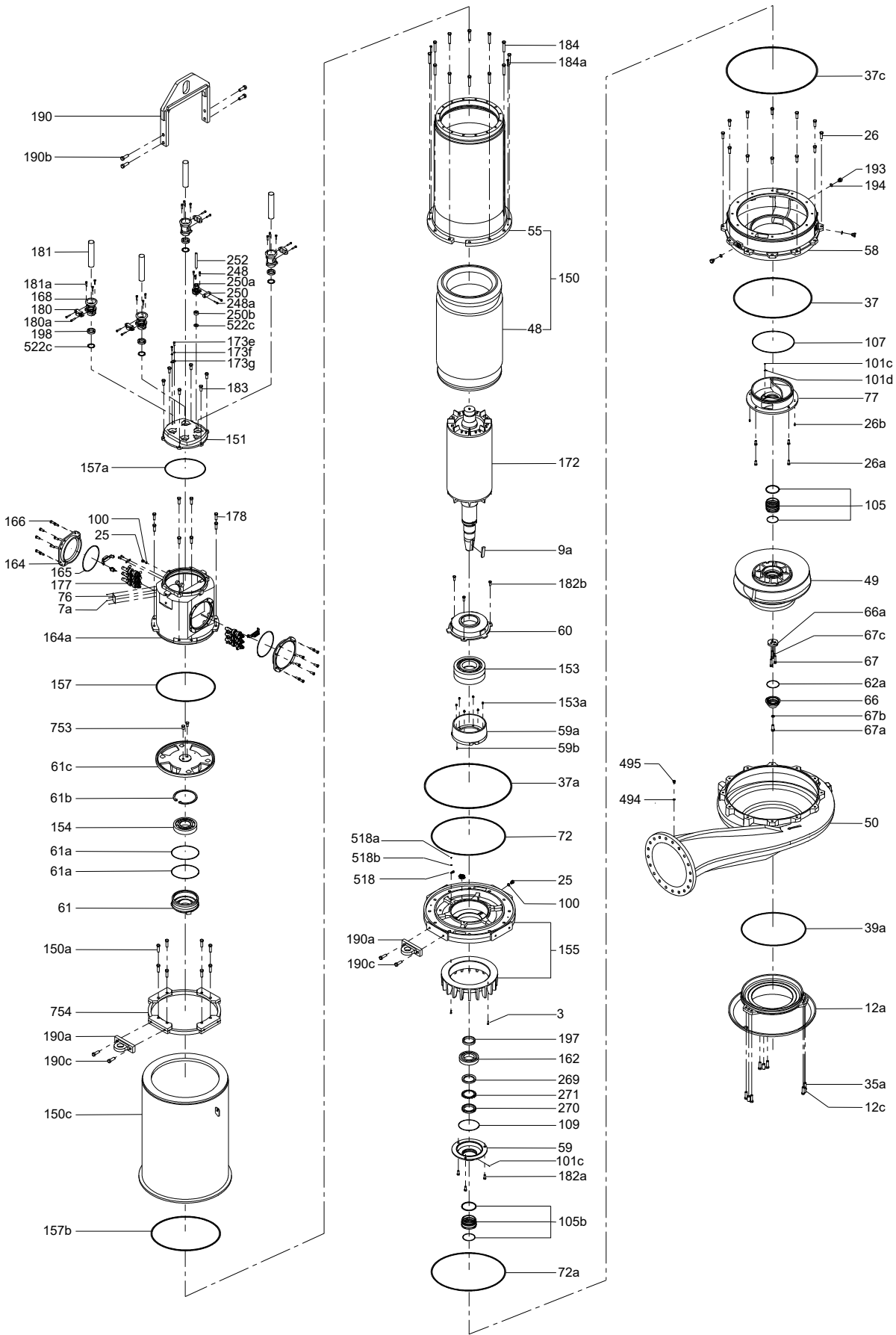
Pos.	Description/kit No	96842640
250b	Rubber seal	1

Range 74 - Non-explosion-proof pump



TM070947

Range 78 - Non-explosion-proof pump



TM070949

Moisture switch

Pos.	Description/kit No	96256056
224	Moisture switch	1
-	Connector set (6 pc.)	1
-	Adjusting fork	1

Water-in-oil sensor

Description/kit No	96295150	96295149	96295148
10 m	1	-	-
Water-in-oil sensor	25 m	-	1
	50 m	-	1
Cable entry	1	1	1
Rubber seal	1	1	1
Right-angle connector	1	1	1
Protective hose	8	8	8
Fixing piece	2	2	2
Band	5	5	1
Band lock	2	2	2
O-ring	1	1	1
Shrink glue	1	1	1

Transient barrier set for WIO

Pos.	Description/kit No	98686403
518	Transient barrier	1
518a	Cylindric screw	1
518b	Star washer	1
-	Insulation hose	1
-	Terminal blade	2
-	Butt splice	2

Lifting bracket

Pos.	Range	74	78
	Description/kit No	99466591	99466595
190	Lifting bracket	1	1
190b	Screw	4	4

Lifting lug

Pos	Range	74	78
	Description/kit No	97623081	97623267
190a	Lifting lug	1	1
190c	Screw	4	4

Upper bearing

Pos	Range	74	78
	Description/kit No	97623102	97623279
154	Ball bearing	1	1

Lower bearing

Pos	Range	74	78
	Description/kit No	95113486	95113487
59a	Locking ring	1	1
59b	Pin	1	1
153	Angular bearing	2	2
153a	Spring	6	6
162	Roller bearing	1	1
197	Washer	1	1
269	Angle ring	1	1
270	Nut	1	1
271	Locking ring	1	1

Primary shaft seal

Pos	Range	74	78
	Description/kit No	97536236	97536234
105	Primary shaft seal	1	1

Secondary shaft seal

Pos	Range	74	78
	Description/kit No	97536237	97536235
150b	Secondary shaft seal	1	1

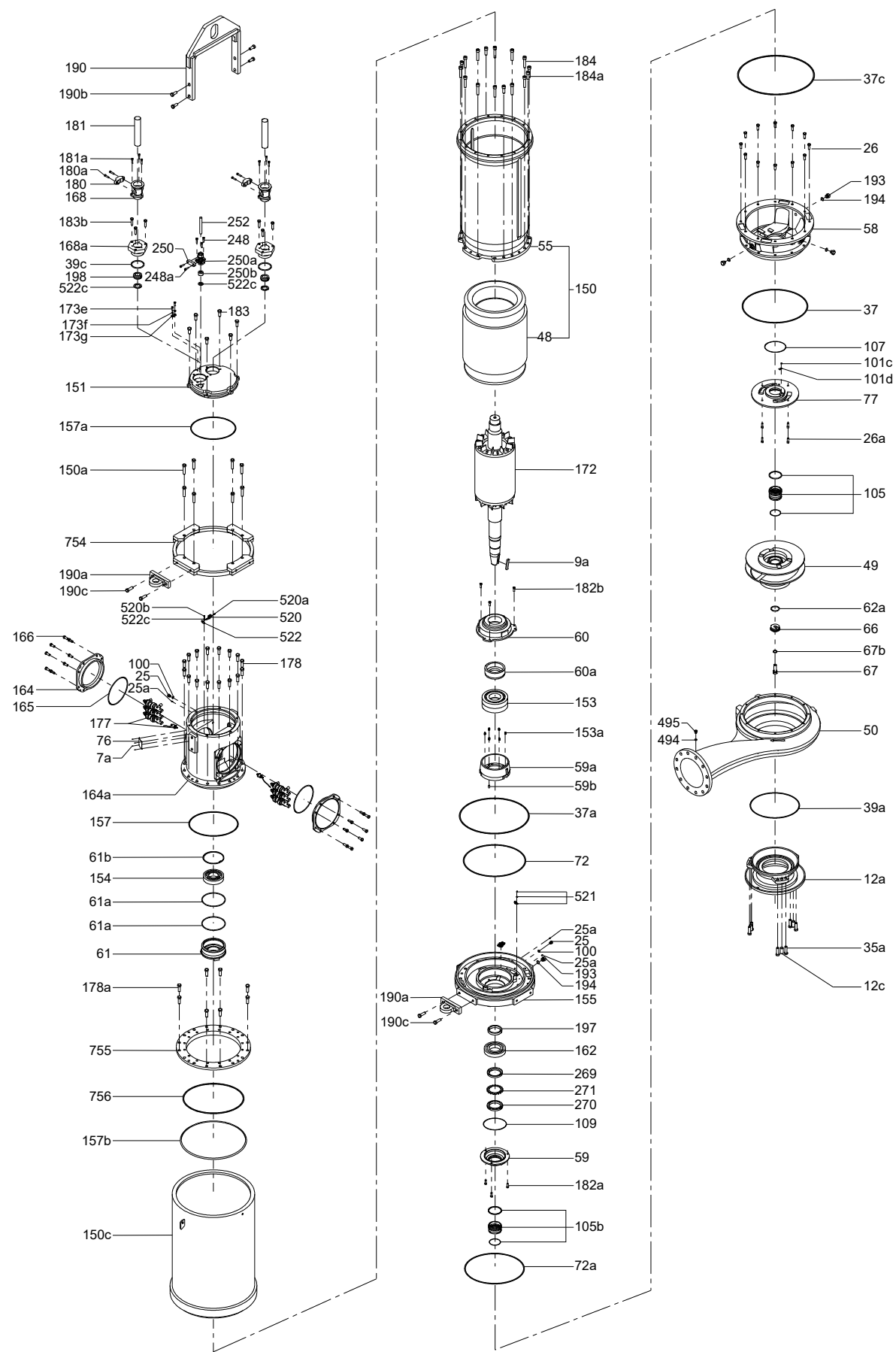
O-ring, motor

Pos.	Description/kit No	97623100
37c	O-ring	699.0 x 7.0
61a	O-ring	209.0 x 5.7
72	O-ring	541.0 x 7.0
100	O-ring	16.3 x 2.4
107	O-ring	181.0 x 7.0
109	O-ring	209.3 x 5.7
157	O-ring	481.5 x 7.01
157a	O-ring	405.3 x 7.0
165	O-ring	285.1 x 7.0
756	O-ring	582.7 x 7.0

O-ring, pump

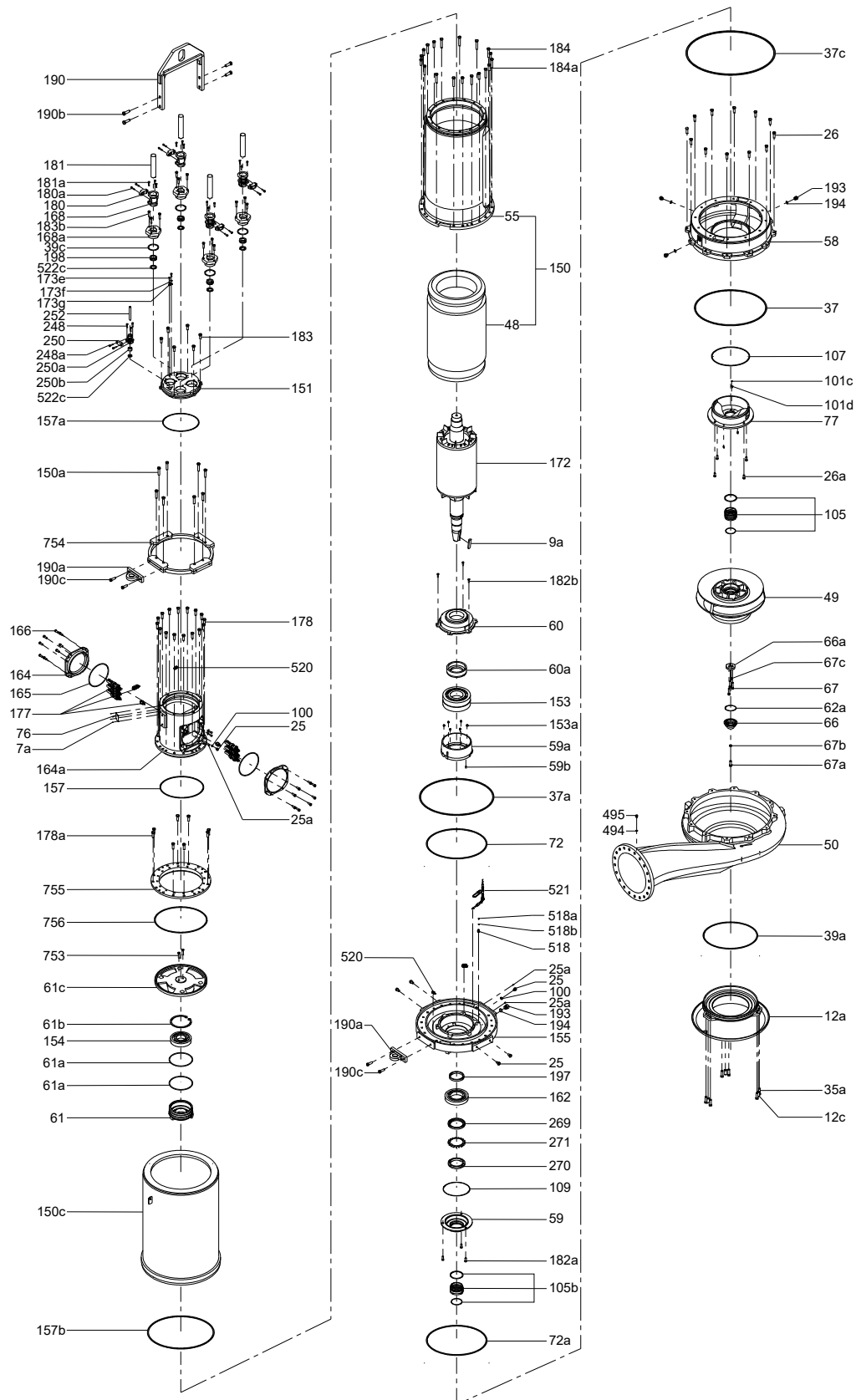
Pos	Range	74	78
	Description/kit No	96293951	97623276
37	O-ring	647.1 x 7.0	1
37b	O-ring	557.7 x 7.0	1
		920.0 x 7.0	-
	O-ring	379.3 x 5.7	1
	O-ring	399.3 x 5.7	1
39	O-ring	439.3 x 5.7	1
	O-ring	532.3 x 7.0	-
	O-ring	582.7 x 7.0	1
	O-ring	419.3 x 5.7	1
	O-ring	499.3 x 5.7	1
39a	O-ring	596.3 x 7.0	1
	O-ring	608.1 x 7.0	-
	O-ring	658.9 x 7.0	-
100	O-ring	16.3 x 2.4	1
488	O-ring	1200.0 x 7.0	-
495	O-ring	16.3 x 2.4	-

Range 74 - Explosion-proof pump



TM070948

Range 78 - Non-explosion-proof pump



TM070950