

36. KPL KWM

50/60 Hz

KPL 500

Bearing

Pos.	Range	Poles	Power	
		4	11~15 kW	19~22 kW
		6	11 kW	15 kW
	Description/Kit	98843460 98843461		
154	Upper bearing	1		1
153	Lower bearing	1		1
	Lower bearing 2nd	1		1
154b	Lip seal	1		1
187	Circlip	1		1
154a	Sleeve	1		1
-	Set screw	2		2

Cable

Pos.	Length		10 m	15 m	20 m
	Description	Cable dia.	Voltage		
181	3 x 10 + 1 x 6 + 4 x 1.5 mm ²	22	0.6/1 kV	98843203	98843225 98843247
	3 x 16 + 1 x 10 + 4 x 1.5 mm ²	26	0.6/1 kV	98843204	98843226 98843248
	3 x 25 + 1 x 16 + 4 x 1.5 mm ²	32	0.6/1 kV	98843205	98843227 98843249
	6 x 6 + 1 x 4 + 6 x 1.5 mm ²	24	0.6/1 kV	98843188	98843220 98843242
	6 x 10 + 1 x 6 + 6 x 1.5 mm ²	34	0.6/1 kV	98843189	98843221 98843243
	6 x 16 + 1 x 10 + 6 x 1.5 mm ²	34	0.6/1 kV	98843190	98843222 98843244

a. Without terminated ends

b. Without cable bush

Cable bush

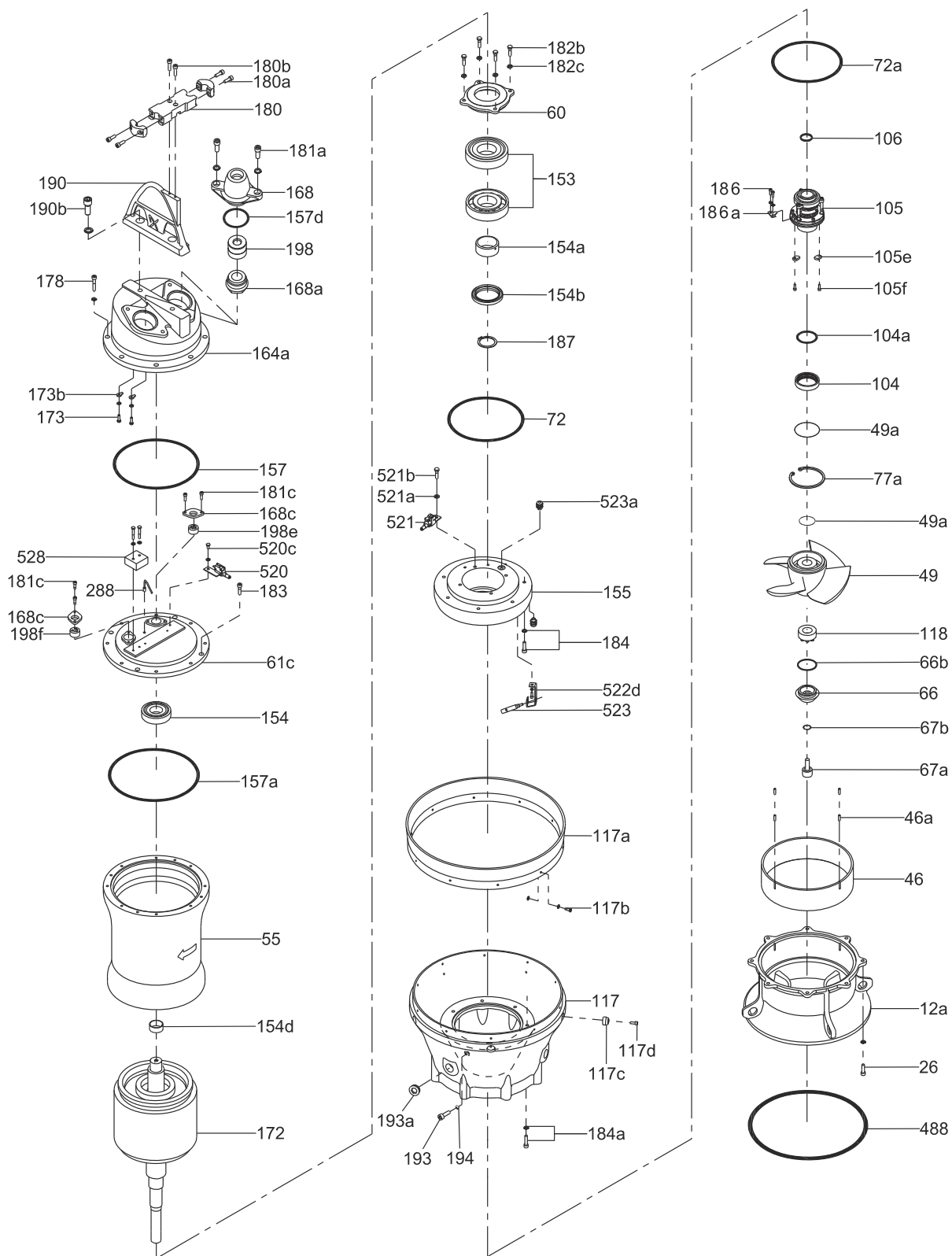
Pos.	Cable diameter	22	24	26	32	34
	Description/Kit no.	98843264	98843265	98843266	98843267	98843268
198	Rubber seal	2	2	2	2	2
	Washer	2	2	2	2	2

Cartridge Shaft seal kit

Pos.	Description/Kit no.	98843288
105	Mechanical seal unit	1
-	Cartridge unit	1
77a	Circlip R-105	1

Discharge casing protector

Pos.	Description/Kit No.	98843334
117c	Discharge casing protector	5
117d	Socket screw	5



TM06 0241 3814

O-ring

Pos.	Range	Description/Kit No.	Poles		Power	
			4	11~15 kW	19~22 kW	
			6	11 kW	15 kW	
			98843386		98843387	
157d	O-ring	Ø3.5 x Ø70	1	-	-	
		Ø3.5 x Ø80	-	-	1	
157e	O-ring	Ø3.5 x Ø70	1	-	-	
		Ø3.5 x Ø80	-	-	1	
157	O-ring	Ø5.7 x Ø250	1	-	-	
		Ø5.7 x Ø275	-	-	1	
157a	O-ring	Ø5.7 x Ø265	1	-	-	
		Ø5.7 x Ø302	-	-	1	
72	O-ring	Ø5.7 x Ø220	1	-	-	
105b	O-ring	Ø3.5 x Ø55	1	-	-	
105c	O-ring	Ø3.5 x Ø99	1	-	-	
106a	O-ring	Ø3.5 x Ø32	1	-	-	
104a	O-ring	Ø3.1 x Ø45	1	-	-	
49a	O-ring	Ø3.1 x Ø45	1	-	-	
72a	O-ring	Ø5.7 x Ø203	1	-	-	
194	O-ring	Ø2.4 x Ø14	2	-	-	
488	O-ring	Ø8.4 x Ø345	1	-	-	
66b	O-ring	Ø3.1 x Ø50	1	-	-	
67b	O-ring	Ø2.4 x Ø22	1	-	-	
154b	Lip seal	TC-709513	1	-	-	

O-ring for oil plugs

Pos.	Description/Kit No.	98843382
195a	O-ring Ø2.4 x Ø14	1

Power Lock

Pos.	Description/Kit No.	98843304
118	Power Lock	1

Sensor Cable

Pos.	Length		10 m	15 m	20 m
	Description	Cable dia.			
252	8 x 2.5 mm ²	23	98843218	98843240	98843262
	11 x 2.5 mm ²	23	98843219	98843241	98843263

- a. Without terminated ends
b. Without cable bush

Sensor Cable bush

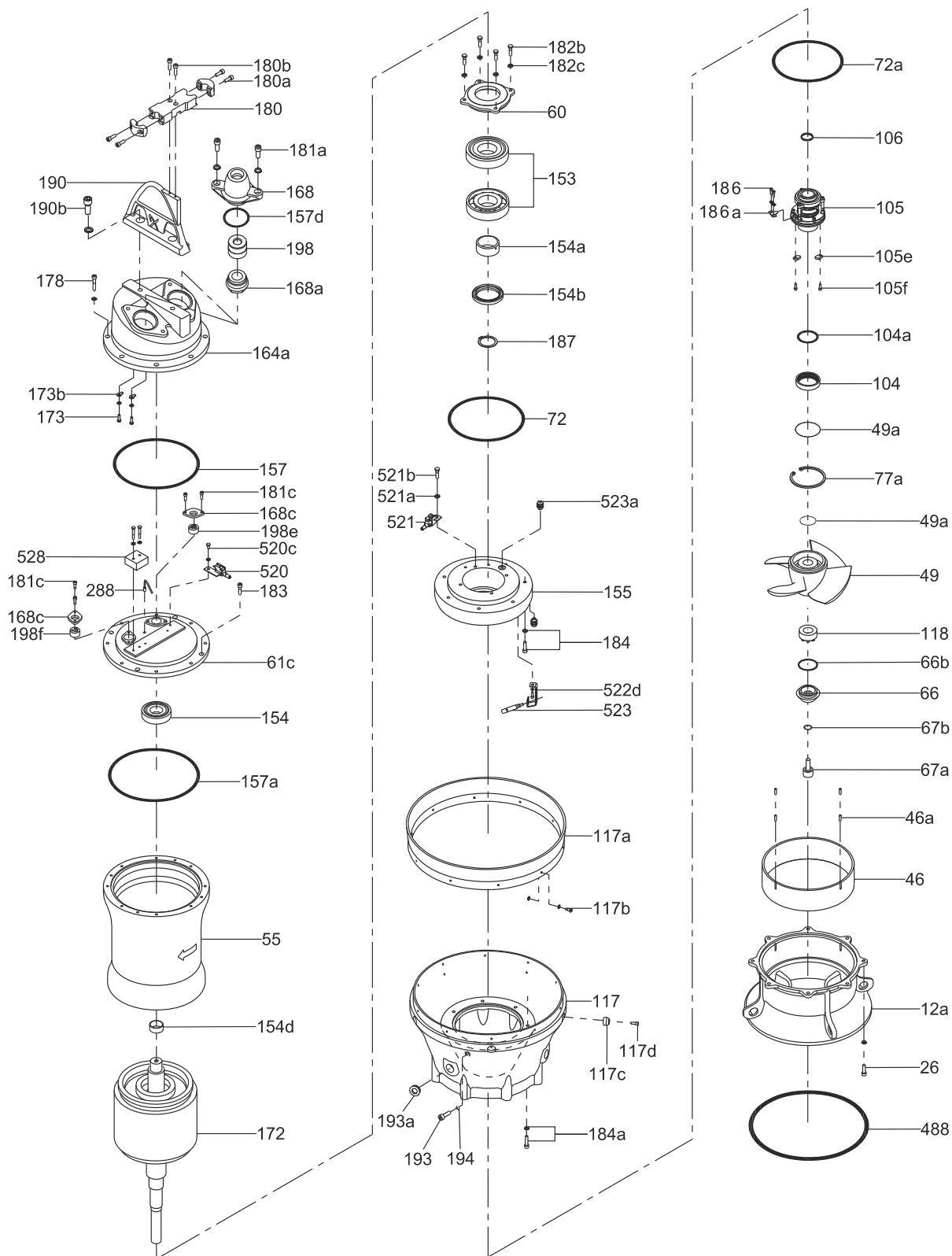
Pos.	Description/Kit No.	98843287
250b	Rubber seal	2
	Washer	2

Turbulence Optimizer

Pos.	Description/Kit No.	98843322
117a	Turbulence Optimizer	1
117b	Socket screw	10
	Washer	20

Wear ring

Pos.	Description	Kit No.
46	wear ring	98843354
46a	Screw	1
		4



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KPL 600

Bearing

Pos.	Range	Poles	Power
		6	19~22 kW
		8	15~19 kW
Description/Kit No.		98843462	
154	Upper bearing	1	
153	Lower bearing	1	
	Lower bearing 2nd	1	
154b	Lip seal	1	
187	Circlip	1	
154a	Sleeve	1	
-	Set screw	2	

Cable

Pos.	Length		10 m	15 m	20 m	
	Description	Cable dia.	Voltage			
181	3 x 16 + 1 x 10 + 4 x 1.5 mm ²	26	0.6/1 kV	98843204	98843226	98843248
	3 x 25 + 1 x 16 + 4 x 1.5 mm ²	32	0.6/1 kV	98843205	98843227	98843249
	6 x 10+ 1 x 6 + 6 x 1.5 mm ²	34	0.6/1 kV	98843189	98843221	98843243
	6 x 16+ 1 x 10 + 6 x 1.5 mm ²	34	0.6/1 kV	98843190	98843222	98843244

a. Without terminated ends

b. Without cable bush

Cable bush

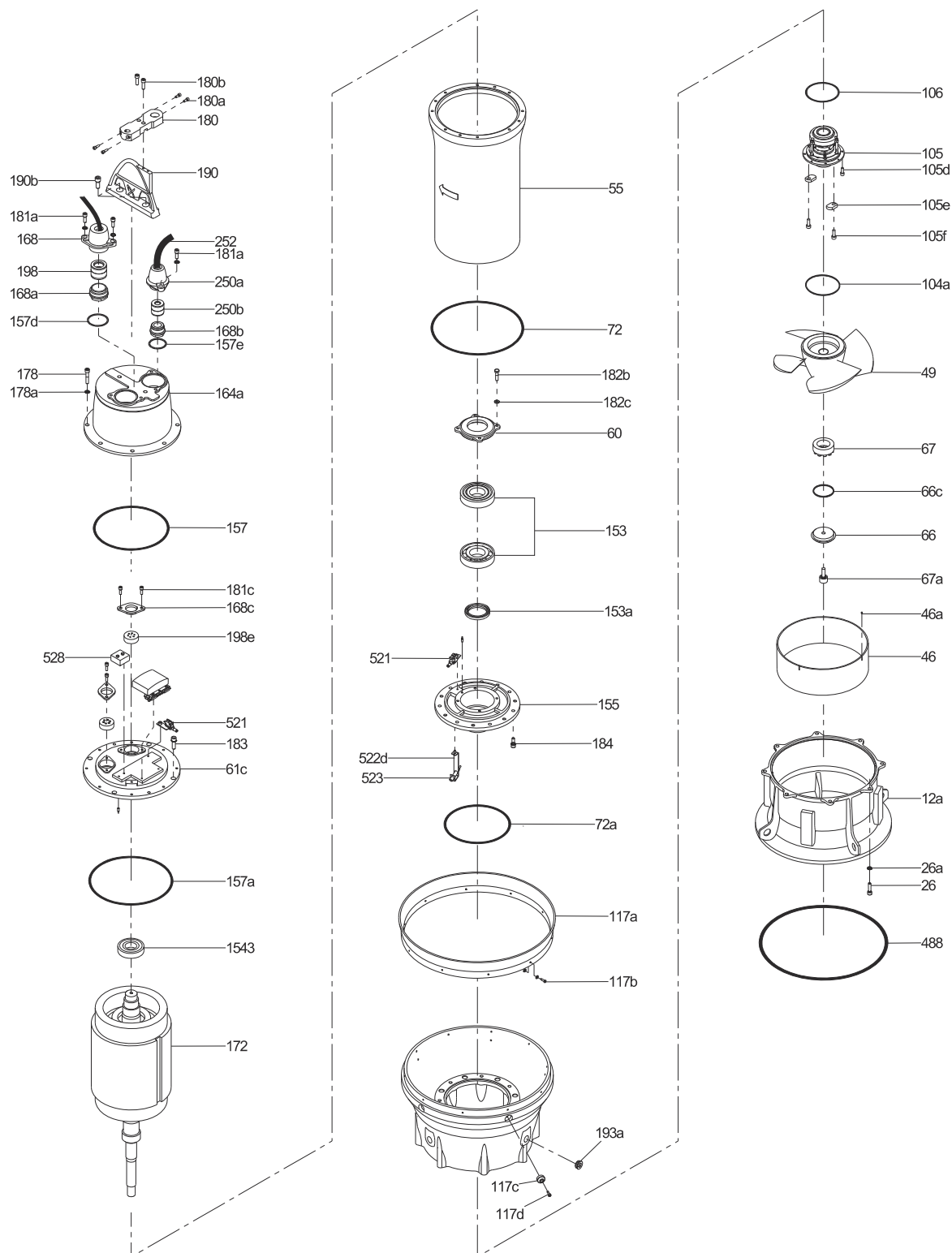
Pos.	Cable dia.	26	32	34
	Description/Kit No.	98843266	98843267	98843268
198	Rubber seal	2	2	2
	Washer	2	2	2

Cartridge Shaft seal kit

Pos.	Description/Kit No.	98843289
105	Mechanical seal unit	1
-	Cartridge unit	1

Discharge casing protector

Pos.	Description/Kit No.	98843335
117c	Discharge casing protector	5
117d	Socket screw	5



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O-ring

Pos.	Range	Poles	Power
		6	19~22 kW
	Description/Kit No.	8	15~19 kW
		98843388	
157d	O-ring	Ø3.5 x Ø80	1
157e	O-ring	Ø3.5 x Ø80	1
157	O-ring	Ø5.7 x Ø275	1
157a	O-ring	Ø5.7 x Ø307	1
72	O-ring	Ø5.7 x Ø250	1
105b	O-ring	Ø3.5 x Ø75	1
105c	O-ring	Ø3.5 x Ø124	1
106a	O-ring	Ø3.5 x Ø37	1
104a	O-ring	Ø3.1 x Ø50	1
49a	O-ring	Ø3.1 x Ø50	1
72a	O-ring	Ø5.7 x Ø240	1
194	O-ring	Ø2.4 x Ø14	2
488	O-ring	Ø8.4 x Ø470	1
66b	O-ring	Ø3.1 x Ø60	1
67b	O-ring	Ø2.4 x Ø22	1
154b	Lip seal	TC-709513	1

O-ring for oil plugs

Pos.	Description/Kit No.	98843382
194	O-ring	Ø2.4 x Ø14

Power Lock

Pos.	Description/Kit No.	98843305
118	Power Lock	1

Sensor Cable

Pos.	Length	10 m	15 m	20 m
Description Cable dia.				
252	8 x 2.5 mm ²	23	98843218	98843240
	11 x 2.5	23	98843219	98843241

a. Without terminated ends

b. Without cable bush

Sensor Cable bush

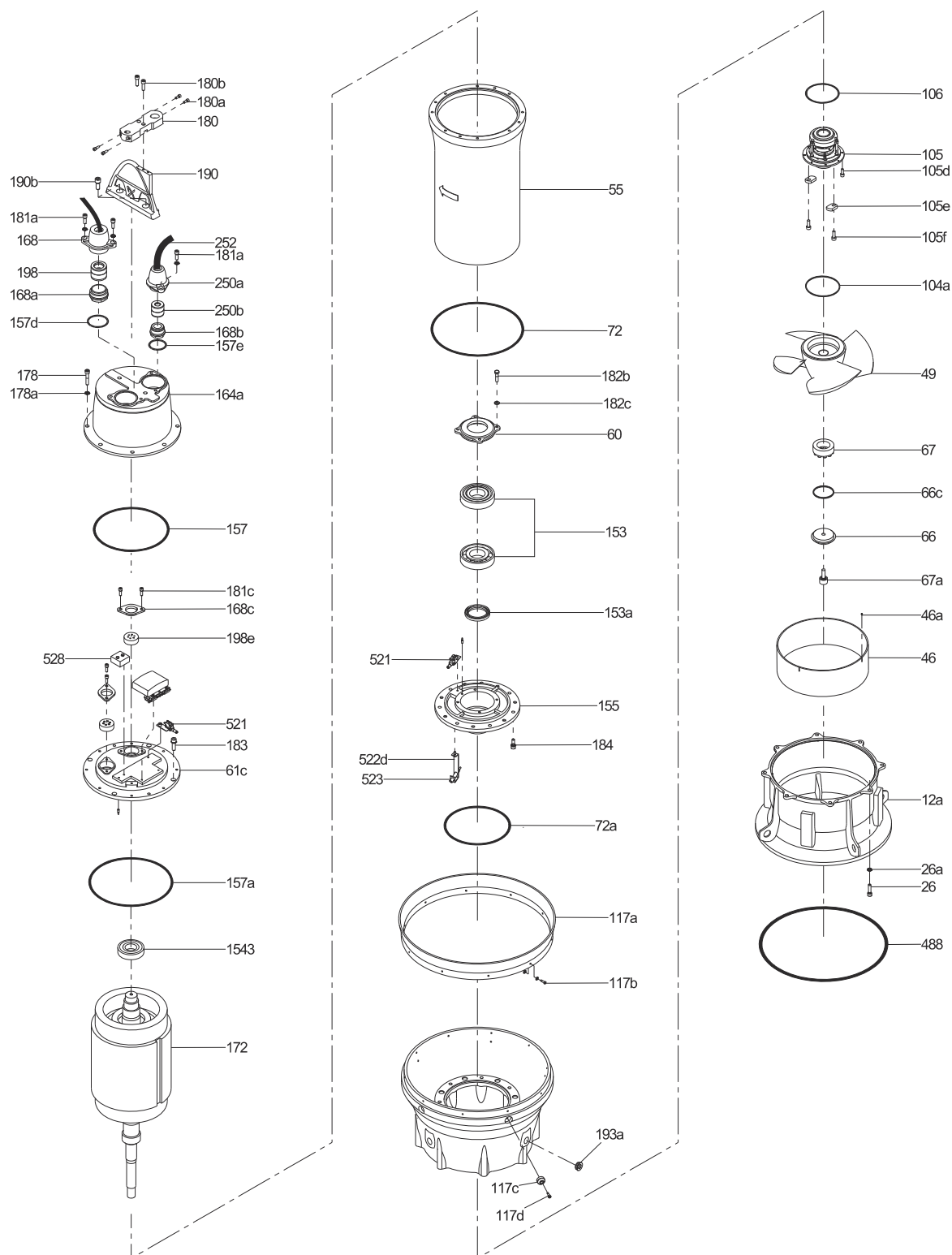
Pos.	Description/Kit No.	98843287
250b	Rubber seal	2
	Washer	2

Turbulence Optimizer

Pos.	Description/Kit No.	98843287
250b	Rubber seal	2
	Washer	2

Wear ring

Pos.	Description	50 Hz	60 Hz
	Kit No.	98843355	98843356
46	wear ring	1	1
46a	Screw	4	4



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KPL 650

Bearing

Pos.	Range	Poles	Power
		6	30~37 kW
Description/Kit No.		98843463	
154	Upper bearing		1
153	Lower bearing		1
	Lower bearing 2nd		1
154b	Lip seal		1
187	Circlip		1
154a	Sleeve		1
-	Set screw		2

Cable

Pos.	Length		10 m	15 m	20 m	
	Description	Cable dia.	Voltage			
181	3 x 25 + 1 x 16 + 4 x 1.5 mm ²	32	0.6/1 kV	98843205	98843227	98843249
	3 x 35 + 1 x 25 + 4 x 1.5 mm ²	32	0.6/1 kV	98843206	98843228	98843250
	3 x 50 + 1 x 35 + 4 x 1.5 mm ²	45	0.6/1 kV	98843207	98843229	98843251
	6 x 16+ 1 x 10 + 6 x 1.5 mm ²	34	0.6/1 kV	98843190	98843222	98843244
	6 x 25 + 1 x 16 + 6 x 1.5 mm ²	42	0.6/1 kV	98843201	98843223	98843245

a. Without terminated ends

b. Without cable bush

Cable bush

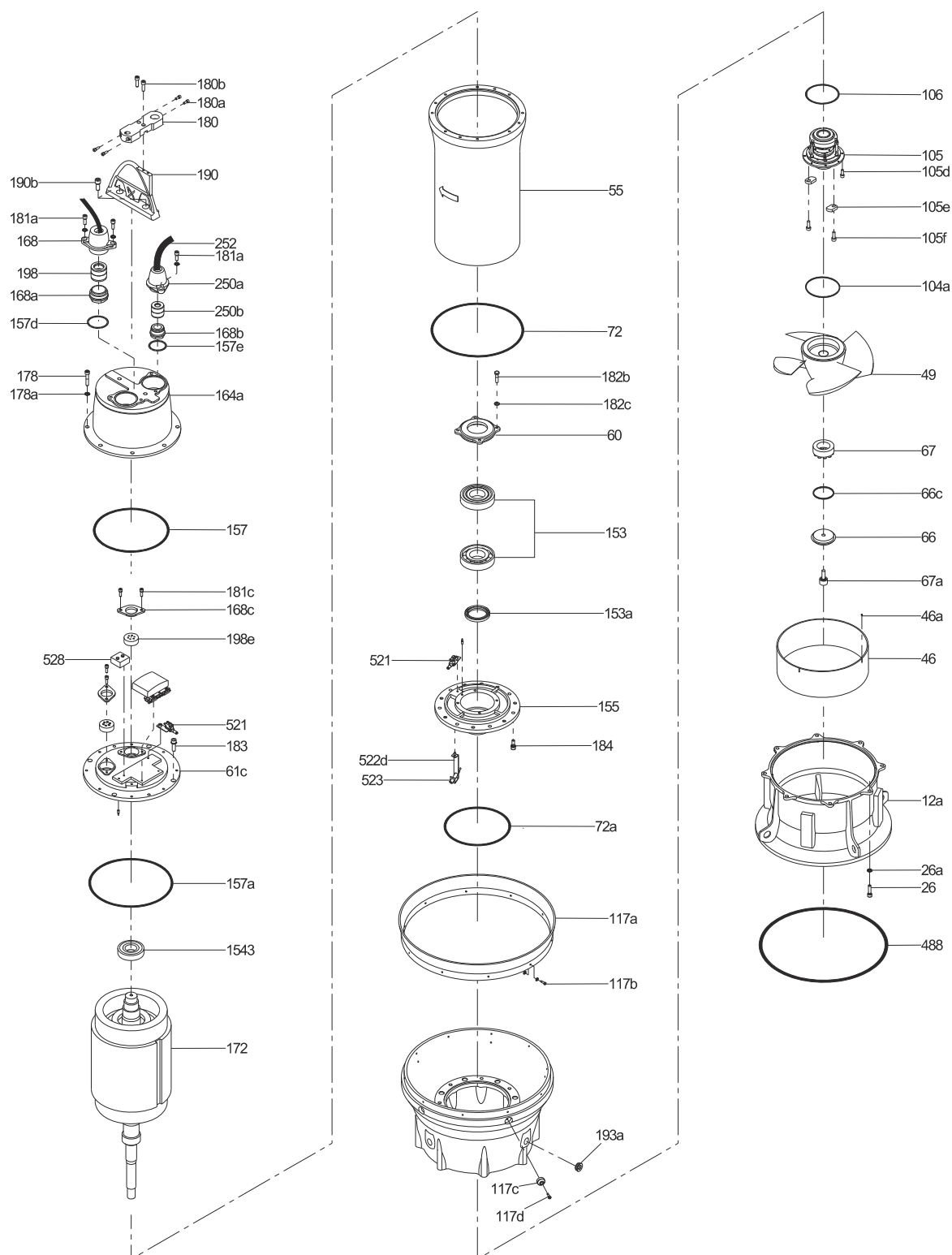
Pos.	Cable dia.	32	34	42	45
Description/Kit No.		98843271	98843272	98843273	98843274
198	Rubber seal	2	2	2	2
	Washer	2	2	2	2

Cartridge Shaft seal kit

Pos.	Description/Kit No.	98843290
105	Mechanical seal unit	1
-	Cartridge unit	1

Discharge casing protector

Pos.	Description/Kit No.	98843336
117c	Discharge casing protector	5
117d	Socket screw	5



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O-ring

Pos.	Range	Poles	Power
		6	30~37 kW
	Description/Kit No.	98843389	
157d	O-ring	Ø3.5 x Ø85	1
157e	O-ring	Ø3.5 x Ø70	1
165	O-ring	Ø5.7 x Ø220	1
157	O-ring	Ø5.7 x Ø363	1
157a	O-ring	Ø5.7 x Ø384	1
72	O-ring	Ø5.7 x Ø340	1
105b	O-ring	Ø3.5 x Ø75	1
105c	O-ring	Ø3.5 x Ø124	1
106a	O-ring	Ø3.5 x Ø45	1
104a	O-ring	Ø3.5 x Ø60	1
49a	O-ring	Ø3.5 x Ø60	1
72a	O-ring	Ø5.7 x Ø320	1
195a	O-ring	Ø3.1 x Ø16	1
194	O-ring	Ø3.1 x Ø16	1
488	O-ring	Ø8.4 x Ø470	1
66b	O-ring	Ø3.1 x Ø60	1
67b	O-ring	Ø2.4 x Ø22	1
154b	Lip seal	TC-9012012	1

O-ring for oil plugs

Pos.	Description/Kit No.	98843383	
195a	O-ring	Ø3.1 x Ø16	1
194	O-ring	Ø3.1 x Ø16	1

Power Lock

Pos.	Description/Kit No.	98843306	
118	Power Lock	1	

Sensor Cable

Pos.	Length		10 m	15 m	20 m
	Description	Cable			
252	8 x 2.5 mm ²	23	98843218	98843240	98843262
	11 x 2.5 mm ²	23	98843219	98843241	98843263

a. Without terminated ends

b. Without cable bush

Sensor Cable bush

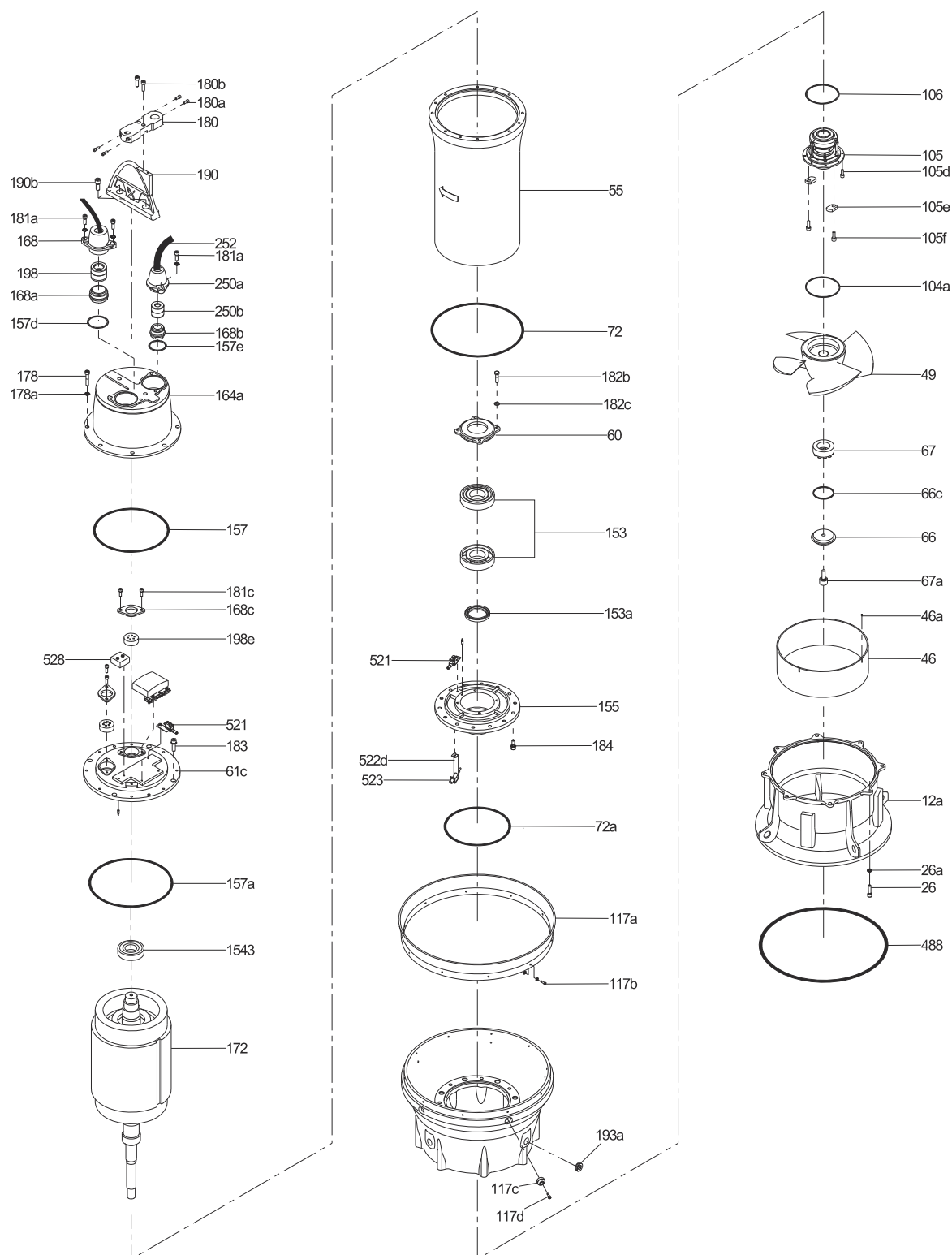
Pos.	Description/Kit No.	98843287	
250b	Rubber seal	2	
	Washer	2	

Turbulence Optimizer

Pos.	Description/Kit No.	98843324	
117a	Turbulence Optimizer	1	
117b	Socket screw	10	
	Washer	20	

Wear ring

Pos.	Description/Kit No.	98843357	
46	wear ring	1	
46a	Screw	4	



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KPL 700

Bearing

Pos.	Range	Poles	Power		
		6	55 kW	75~110 kW	
		8	22~37 kW	45~55 kW	75 kW
		10	19~30 kW	37 kW	
Description/Kit No.		98843464	98843465	98843466	
154	Upper bearing	1	1	1	
153	Lower bearing	1	1	1	
	Lower bearing 2nd	1	1	1	
154b	Lip seal	1	1	1	
187	Circlip	1	1	1	
154a	Sleeve	1	1	1	
-	Set screw	2	2	2	

Cable

Pos.	Length			10 m	15 m	20 m
	Description	Cable dia.	Voltage			
181	3 x 25 + 1 x 16 + 4 x 1.5 mm ²	32	0.6/1 kV	98843205	98843227	98843249
	3 x 35 + 1 x 25 + 4 x 1.5 mm ²	32	0.6/1 kV	98843206	98843228	98843250
	3 x 50 + 1 x 35 + 4 x 1.5 mm ²	45	0.6/1 kV	98843207	98843229	98843251
	4 x 70 mm ²	50	0.6/1 kV	98843208	98843230	98843252
	6 x 16+ 1 x 10 + 6 x 1.5 mm ²	34	0.6/1 kV	98843190	98843222	98843244
	6 x 25 + 1 x 16 + 6 x 1.5 mm ²	42	0.6/1 kV	98843201	98843223	98843245
	6 x 35 + 1 x 25 + 6 x 1.5 mm ²	45	0.6/1 kV	98843202	98843224	98843246

a. Without terminated ends

b. Without cable bush

Cable bush

Pos.	Cable dia.	32	34	42	45	50
Description/Kit No.		98843271	98843272	98843273	98843274	98843275
198	Rubber seal	2	2	2	2	2
	Washer	2	2	2	2	2

Cartridge Shaft seal kit

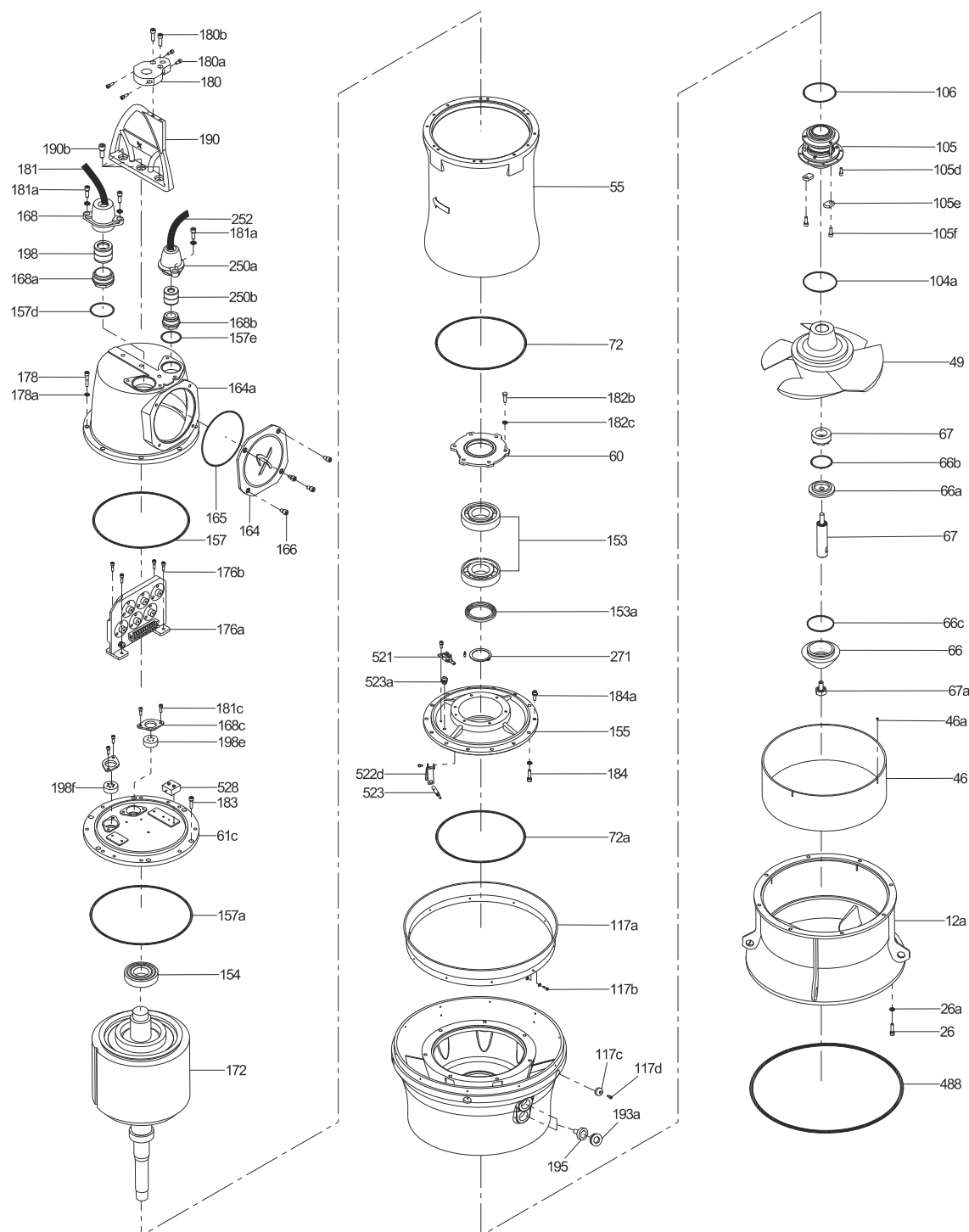
Pos.	Range	Poles	Power	
		6	55 kW	75~110 kW
		8	22~55 kW	75 kW
		10	19~37 kW	
Description/Kit No.		98843292	98843293	
105	Mechanical seal unit	1	1	
-	Cartridge unit	1	1	

Discharge casing protector

Pos.	Description/Kit No.	98843337
117c	Discharge casing protector	5
117d	Socket screw	5

Non return valve

Pos.	Description/Kit No.	98843385
196	Non return valve	1
	Nipple	1



TM06 3994 1815

O-ring

Pos.	Range	Poles	Power	Power	Power
		6	55 kW		75~110 kW
		8	22~37 kW	45~55 kW	75 kW
		10	19~30 kW	37 kW	
Description/Kit No.		98843390	98843391	98843392	
157d	O-ring	Ø3.5 x Ø85	1	1	1
157e	O-ring	Ø3.5 x Ø70	1	1	1
165	O-ring	Ø5.7 x Ø220	1	1	1
157	O-ring	Ø5.7 x Ø363	1	1	1
157a	O-ring	Ø5.7 x Ø384	1		
		Ø5.7 x Ø414		1	1
72	O-ring	Ø5.7 x Ø370	1	1	1
105b	O-ring	Ø3.5 x Ø85	1	1	
		Ø3.5 x Ø100			1
105c	O-ring	Ø3.5 x Ø139	1	1	
		Ø5.7 x Ø150			1
106a	O-ring	Ø3.5 x Ø55	1	1	
		Ø3.5 x Ø65			1
104a	O-ring	Ø3.5 x Ø70	1	1	
		Ø3.5 x Ø80			1
49a	O-ring	Ø3.5 x Ø70	1	1	
		Ø3.5 x Ø80			1
72a	O-ring	Ø5.7 x Ø355	1	1	1
195a	O-ring	Ø3.1 x Ø22	1	1	1
194	O-ring	Ø3.1 x Ø16	1	1	1
488	O-ring	Ø12 x Ø570	1	1	1
66b	O-ring	Ø3.5 x Ø90	1	1	1
66c	O-ring	Ø3.5 x Ø102	1	1	1
67c	O-ring	Ø3.1 x Ø30	1	1	1
67b	O-ring	Ø2.4 x Ø22	1	1	1
154b	Lip seal	TC-9512013	1	1	
		TC-10513514			1

O-ring for oil plugs

Pos.	Description/Kit No.		98843384
195a	O-ring	Ø3.1 x Ø22	1
194	O-ring	Ø3.1 x Ø16	1

Power Lock

Pos.	Range	Poles	Power	
		6	55 kW	75~110 kW
		8	22~55 kW	75 kW
		10	19~37 kW	
Description/Kit No.		98843307	98843308	
118	Power Lock	1	1	

Sensor Cable

Pos.	Length		10 m	15 m	20 m
Description		Cable dia.			
252	8 x 2.5 mm ²	23	98843218	98843240	98843262
	11 x 2.5 mm ²	23	98843219	98843241	98843263

a. Without terminated ends

b. Without cable bush

Sensor Cable bush

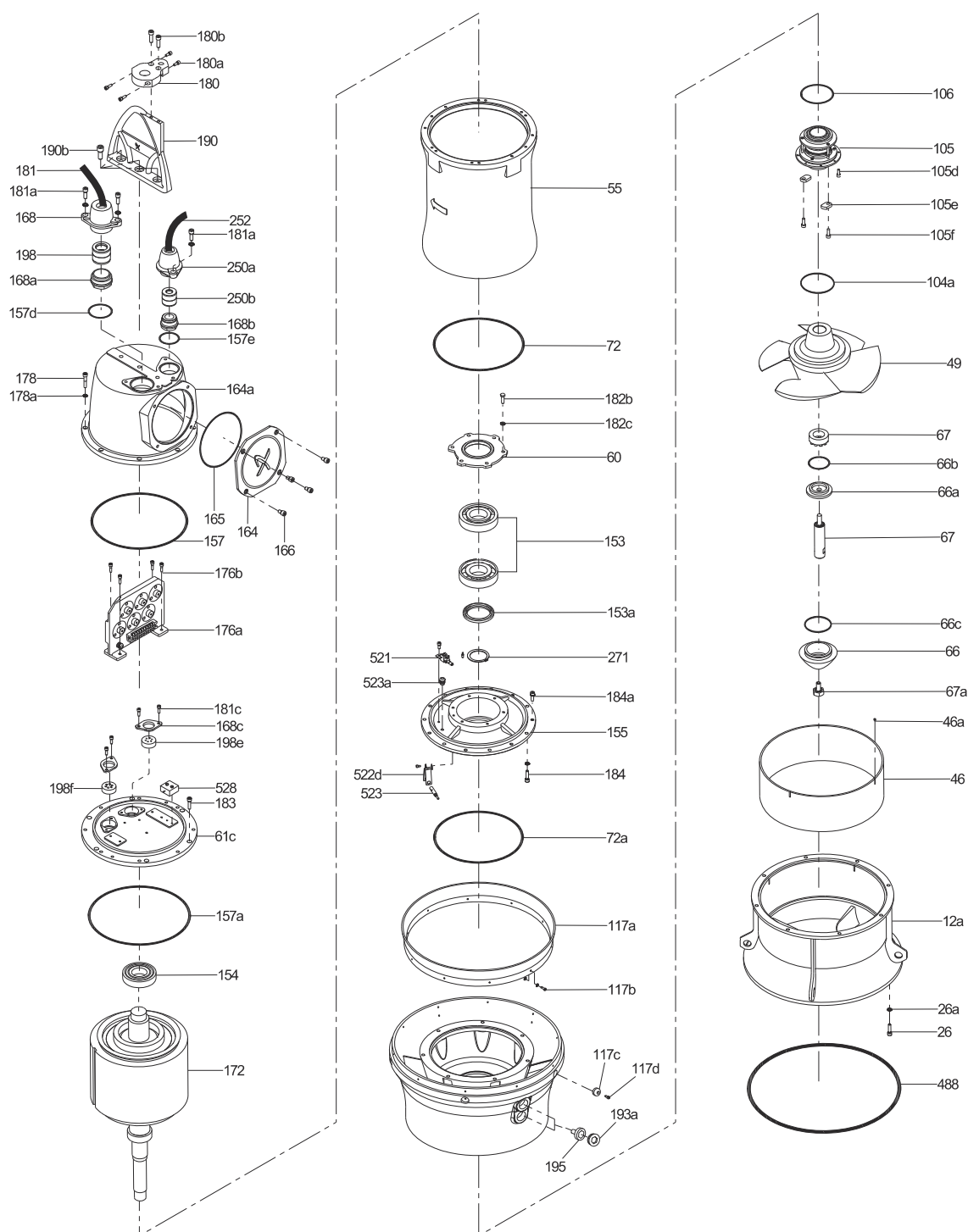
Pos.	Description/Kit No.		98843287
250b	Rubber seal		2
	Washer		2

Turbulence Optimizer

Pos.	Description/Kit No.		98843325
117a	Turbulence Optimizer		1
117b	Socket screw		10
	Washer		20

Wear ring

Pos.	Description Kit No.		98843358
46	wear ring		1
46a	Screw		4



TM06 3994 1815

KPL 800

Bearing

Pos.	Range	Poles	Power	
		6		110 kW
		8	37 kW	45 kW
		10	30 kW	37~45 kW
				55 kW
	Description/Kit No.	98843467	98843468	98843469
154	Upper bearing	1	1	1
153	Lower bearing	1	1	1
	Lower bearing 2nd	1	1	1
154b	Lip seal	1	1	1
187	Circlip	1	1	1
154a	Sleeve	1	1	1
-	Set screw	2	2	2

Cable

Pos.	Length		10 m	15 m	20 m
	Description	Cable dia.	Voltage		
181	3 x 25 + 1 x 16 + 4 x 1.5 mm ²	32	0.6/1 kV	98843205	98843227
	3 x 35 + 1 x 25 + 4 x 1.5 mm ²	32	0.6/1 kV	98843206	98843228
	3 x 50 + 1 x 35 + 4 x 1.5 mm ²	45	0.6/1 kV	98843207	98843229
	4 x 70 mm ²	50	0.6/1 kV	98843208	98843230
	6 x 16 + 1 x 10 + 6 x 1.5 mm ²	34	0.6/1 kV	98843190	98843222
	6 x 25 + 1 x 16 + 6 x 1.5 mm ²	42	0.6/1 kV	98843201	98843223
	6 x 35 + 1 x 25 + 6 x 1.5 mm ²	45	0.6/1 kV	98843202	98843224

a. Without terminated ends

b. Without cable bush

Cable bush

Pos.	Cable dia.	32	34	42	45	50
	Description/Kit No.	98843271	98843272	98843273	98843274	98843275
198	Rubber seal	2	2	2	2	2
	Washer	2	2	2	2	2

Cartridge Shaft seal kit

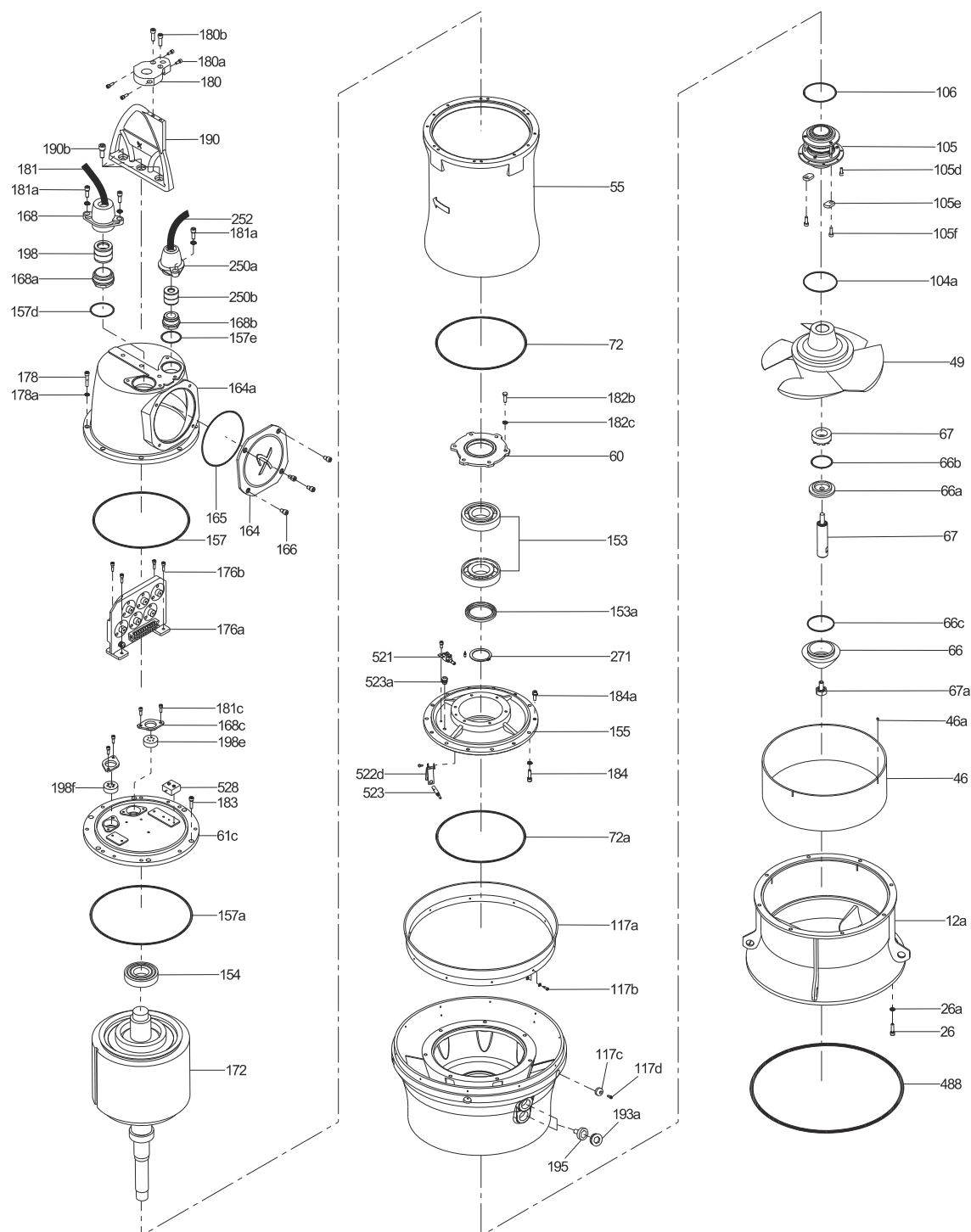
Pos.	Range	Poles	Power	
		6	110 kW	
		8	37~45 kW	55~90 kW
		10	30~45 kW	55 kW
	Description/Kit No.	98843292	98843293	
105	Mechanical seal unit	1	1	
-	Cartridge unit	1	1	

Discharge casing protector

Pos.	Description/Kit No.	98843338
117c	Discharge casing protector	6
117d	Socket screw	6

Non return valve

Pos.	Description/Kit No.	98843385
196	Non return valve	1
	Nipple	1



TM06 3994 1815

O-ring

Pos.	Range	Poles		Power	
		6			110 kW
		8	37 kW	45 kW	55~90 kW
		10	30 kW	37~45 kW	55 kW
Description/Kit No.		98843393	98843394	98843395	
157d	O-ring	Ø3.5 x Ø85	1	1	1
157e	O-ring	Ø3.5 x Ø70	1	1	1
165	O-ring	Ø5.7 x Ø220	1	1	1
157	O-ring	Ø5.7 x Ø363	1	1	1
157a	O-ring	Ø5.7 x Ø384	1		
		Ø5.7 x Ø414		1	1
72	O-ring	Ø5.7 x Ø370		1	1
105b	O-ring	Ø3.5 x Ø85	1	1	
		Ø3.5 x Ø100			1
105c	O-ring	Ø3.5 x Ø139	1	1	
		Ø5.7 x Ø150			1
106a	O-ring	Ø3.5 x Ø55	1	1	
		Ø3.5 x Ø65			1
104a	O-ring	Ø3.5 x Ø70	1	1	
		Ø3.5 x Ø80			1
49a	O-ring	Ø3.5 x Ø70	1	1	
		Ø3.5 x Ø80			1
72a	O-ring	Ø5.7 x Ø355	1	1	1
195a	O-ring	Ø3.1 x Ø22	1	1	1
194	O-ring	Ø3.1 x Ø16	1	1	1
488	O-ring	Ø12 x Ø670	1	1	1
66b	O-ring	Ø3.5 x Ø90	1	1	1
66c	O-ring	Ø3.5 x Ø112	1	1	1
67c	O-ring	Ø3.1 x Ø30	1	1	1
67b	O-ring	Ø2.4 x Ø22	1	1	1
154b	Lip seal	TC-9512013	1	1	
		TC-10513514			1

O-ring for oil plugs

Pos.	Description/Kit No.	98843384
195a	O-ring Ø3.1 x Ø22	1
194	O-ring Ø3.1 x Ø16	1

Power Lock

Pos.	Range	Poles	Power		
		6	110 kW		
		8	37~45 kW	55~90 kW	
		10	30~45 kW	55 kW	
Description/Kit No.		98843309			98843310
118	Power Lock	1		1	

Sensor Cable

Pos.	Length	10 m	15 m	20 m
Description Cable dia.				
252	8 x 2.5 mm ²	23 98843218	98843240	98843262
	11 x 2.5 mm ²	23 98843219	98843241	98843263

- a. Without terminated ends
b. Without cable bush

Sensor Cable bush

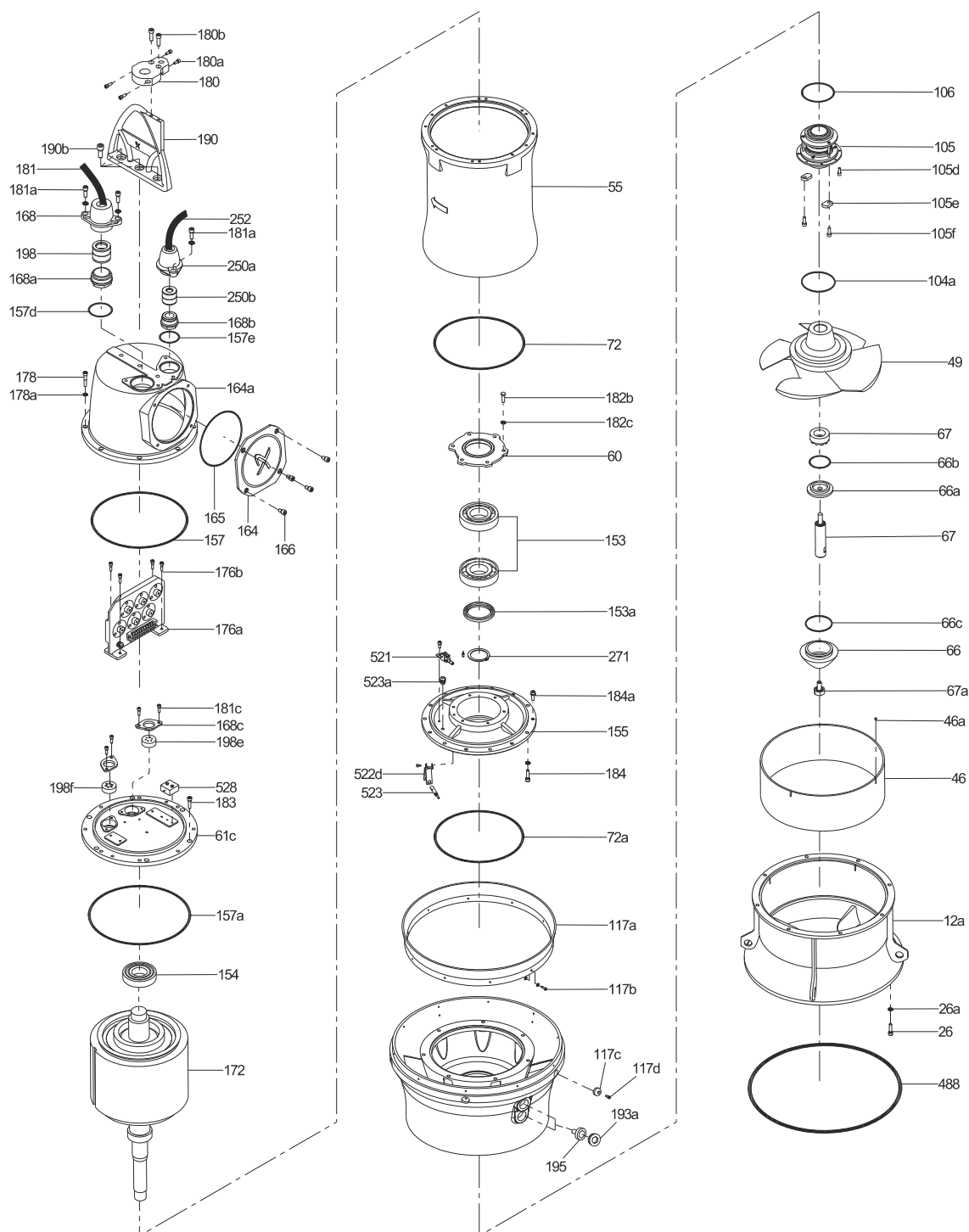
Pos.	Description/Kit No.	98843287
250b	Rubber seal	2
	Washer	2

Turbulence Optimizer

Pos.	Description/Kit No.	98843326
117a	Turbulence Optimizer	1
117b	Socket screw	12
	Washer	24

Wear ring

Pos.	Description Kit No.	98843359
46	wear ring	1
46a	Screw	4



KPL 900

Bearing

Pos.	Range	Poles		Power	
		6		132~160 kW	200 kW
		8		110~160 kW	
		10	45~55 kW	75~90 kW	
Description/Kit No.		98843470	98843471	98843472	
154	Upper bearing	1	1	1	
153	Lower bearing	1	2	2	
153a	Lower bearing 2nd	1	1	1	
154b	Lip seal	1	1	1	
187	Circlip	1			
154a	Sleev	1	1	1	
-	Set screw	2			
270	Bearing nut		1	1	
271	Bearing washer		1	1	

Cable

Pos.	Length			10 m	15 m	20 m
	Description	Cable dia.	Voltage			
181	6 x 16+ 1 x 10 + 6 x 1.5 mm ²	34	0.6/1 kV	98843190	98843222	98843244
	6 x 25 + 1 x 16 + 6 x 1.5 mm ²	42	0.6/1 kV	98843201	98843223	98843245
	6 x 35 + 1 x 25 + 6 x 1.5 mm ²	45	0.6/1 kV	98843202	98843224	98843246
	3 x 25 + 1 x 16 + 4 x 1.5 mm ²	32	0.6/1 kV	98843205	98843227	98843249
	3 x 35 + 1 x 25 + 4 x 1.5 mm ²	32	0.6/1 kV	98843206	98843228	98843250
	3 x 50 + 1 x 35 + 4 x 1.5 mm ²	45	0.6/1 kV	98843207	98843229	98843251
	4 x 70 mm ²	50	0.6/1 kV	98843208	98843230	98843252
	4 x 95 mm ²	56	0.6/1 kV	98843209	98843231	98843253
	4 x 120 mm ²	65	0.6/1 kV	98843210	98843232	98843254
	4 x 35 mm ²	50	3.3 kV	98843211	98843233	98843255
	4 x 35 mm ²	65	6.6 kV	98843215	98843237	98843259

a. Without terminated ends

b. Without cable bush

Cable bush (under 55 kW)

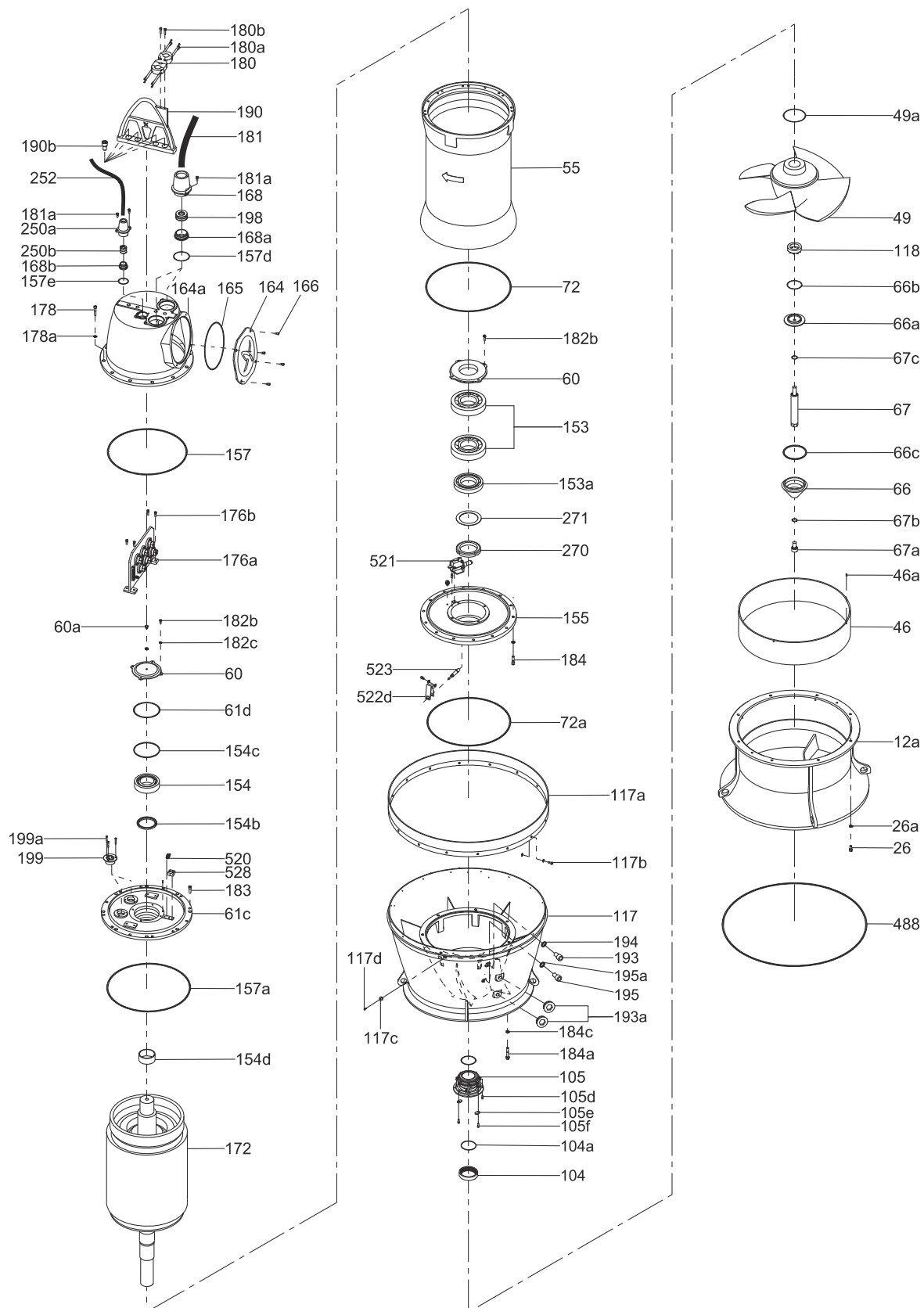
Pos.	Cable dia.	32	34	42	45	50
	Description/Kit No.	98843271	98843272	98843273	98843274	98843275
198	Rubber seal	2	2	2	2	2
	Washer	2	2	2	2	2

Cable bush (0.6/1 kV)

Pos.	Cable dia.	45	50	56	65
	Description/Kit No.	98843279	98843280	98843281	98843284
198	Rubber seal	2	2	2	2
	Washer	2	2	2	2

Cable bush (over 3.3 kV)

Pos.	Cable dia.	50	65
	Description/Kit No.	98843282	98843284
198	Rubber seal	2	2
	Washer	2	2



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Cartridge Shaft seal kit

Pos.	Range	Poles		Power	
		6		132~160 kW	200 kW
		8		110~160 kW	
		10	45~55 kW	75~90 kW	
	Description/Kit No.	98843293	98843294	98843295	
105	Mechanical seal unit	1	1	1	
-	Cartridge unit	1	1	1	

Discharge casing protector

Pos.	Description/Kit No.	98843339
117c	Discharge casing protector	6
117d	Socket screw	6

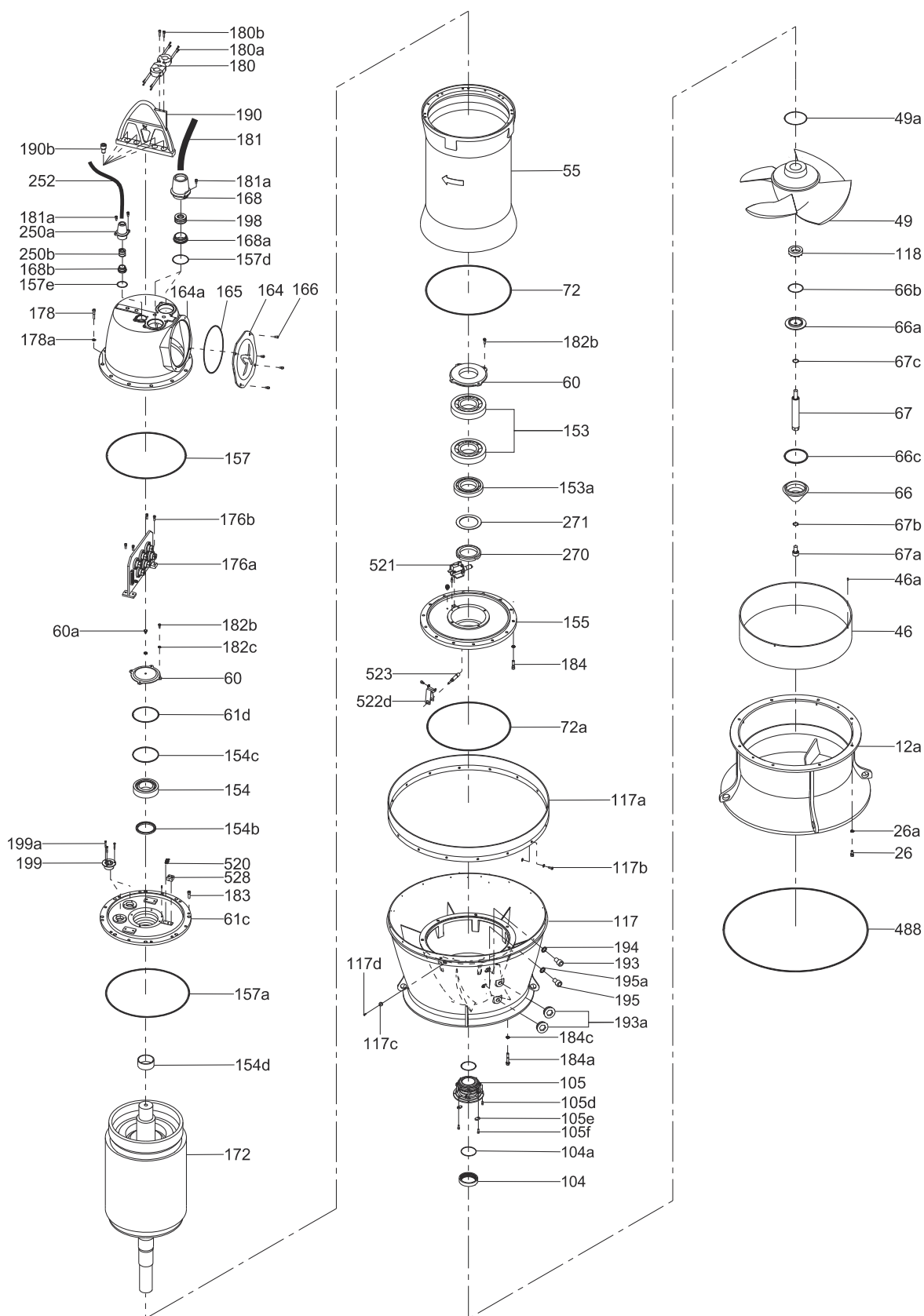
Non return valve

Pos.	Description/Kit No.	98843385
196	Non return valve	1
	Nipple	1

O-ring

Pos.	Range	Poles			
		6	132~160 kW		200 kW
		8	110 kW	132~160 kW	
		10	45~55 kW	75~90 kW	
Description/Kit No.		98843396	98843397	98843398	98843399
157d	O-ring*	Ø3.5 x Ø85	1		
		Ø3.5 x Ø130		2	2
157e	O-ring	Ø3.5 x Ø70	1		
		Ø3.5 x Ø80		1	1
165	O-ring	Ø5.7 x Ø220	1		
		Ø5.7 x Ø280		1	1
157	O-ring	Ø5.7 x Ø363	1		
		Ø8.4 x Ø488		1	
		Ø8.4 x Ø508		1	1
61d	O-ring	Ø5.7 x Ø160	1	1	1
154c	O-ring	Ø5.7 x Ø160	1	1	1
157a	O-ring	Ø5.7 x Ø414	1		
		Ø8.4 x Ø527		1	
		Ø8.4 x Ø552		1	1
72	O-ring	Ø8.4 x Ø505	1	1	1
105b	O-ring	Ø3.5 x Ø100	1		
		Ø3.5 x Ø120		1	1
105c	O-ring	Ø5.7 x Ø150	1		
		Ø5.7 x Ø175		1	1
106a	O-ring	Ø3.5 x Ø65	1		
		Ø3.5 x Ø75		1	
		Ø3.5 x Ø85			1
104a	O-ring	Ø3.5 x Ø80	1		
		Ø3.5 x Ø90		1	
		Ø3.5 x Ø100			1
49a	O-ring	Ø3.5 x Ø80	1		
		Ø3.5 x Ø90		1	
		Ø3.5 x Ø100			1
110a	O-ring	Ø3.5 x Ø80	1		
		Ø3.5 x Ø90		1	
		Ø3.5 x Ø100			1
72a	O-ring	Ø8.4 x Ø480	1	1	1
195a	O-ring	Ø3.1 x Ø22	1	1	1
194	O-ring	Ø3.1 x Ø16	1	1	1
488	O-ring	Ø12 x Ø670	1	1	1
66b	O-ring	Ø3.5 x Ø109	1	1	1
66c	O-ring	Ø3.5 x Ø118	1	1	1
67c	O-ring	Ø3.1 x Ø30	1	1	1
67b	O-ring	Ø2.4 x Ø22	1	1	1
154b	Lip seal	TC-10513514	1		
		TC-12014011		1	1

* O-ring may be more supply.



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O-ring for oil plugs

Pos.	Description/Kit No.	98843384
195a	O-ring	Ø3.1 x Ø22 1
194	O-ring	Ø3.1 x Ø16 1

Power Lock

Pos.	Range	Poles	Power		
		6	132~160 kW		200 kW
		8	110~160 kW		
		10	45~55 kW	75~90 kW	
Description/Kit No.		98843310	98843311	98843312	
118	Power Lock	1	1	1	

Sensor Cable

Pos.	Length				
	Description	Cable dia.	10 m	15 m	20 m
252	8 x 2.5 mm ²	23	98843218	98843240	98843262
	11 x 2.5 mm ²	23	98843219	98843241	98843263

- a. Without terminated ends
b. Without cable bush

Sensor Cable bush

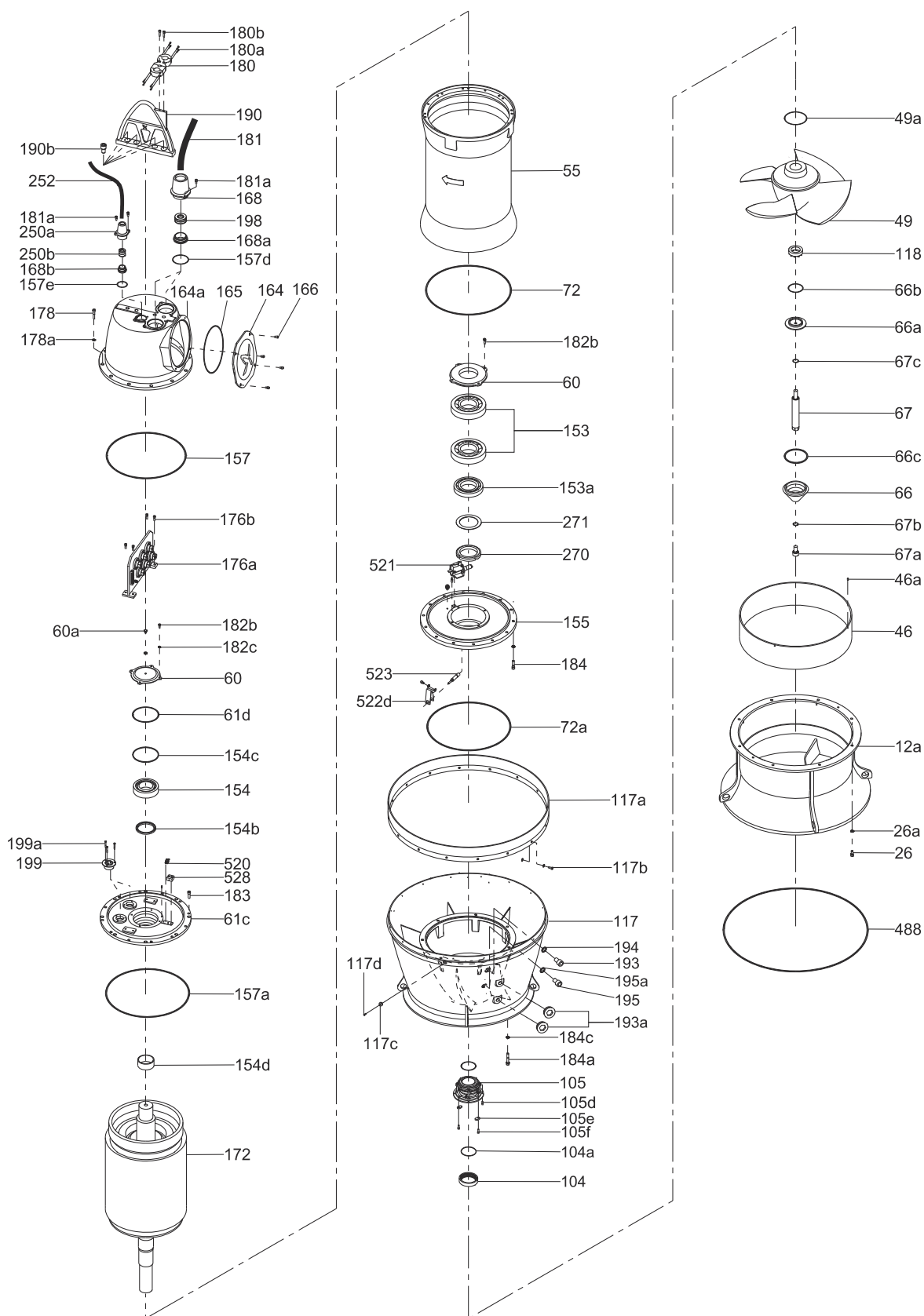
Pos.	Description/Kit No.	98843287
250b	Rubber seal	2
	Washer	2

Turbulence Optimizer

Pos.	Description/Kit No.	98843327
117a	Turbulence Optimizer	1
117b	Socket screw	12
	Washer	24

Wear ring

Pos.	Description	98843360
	Kit No.	
46	wear ring	1
46a	Screw	4



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KPL 1000

Bearing

Pos.	Range	Poles	Power			
		8	132 kW	160~200 kW	250~300 kW	
		10	75~90 kW	132 kW	160 kW	200~250 kW
		12	75~90 kW	-	132~160 kW	-
	Description/Kit No.		98843473	98843474	98843475	98843476
154	Upper bearing		1	1	1	1
154d	Sleeve		1	1	1	1
153	Lower bearing		2	2	2	2
153a	Lower bearing 2nd		1	1	1	1
154b	Lip seal		1	1	1	1
270	Bearing nut		1	1	1	1
271	Bearing washer		1	1	1	1

Cable

Pos.	Length		10 m	15 m	20 m	
	Description	Out dia.	Voltage			
181	6 x 35 + 1 x 25 + 6 x 1.5 mm ²	45	0.6/1 kV	98843202	98843224	98843246
	3 x 50 + 1 x 35 + 4 x 1.5 mm ²	45	0.6/1 kV	98843207	98843229	98843251
	4 x 70 mm ²	50	0.6/1 kV	98843208	98843230	98843252
	4 x 95 mm ²	56	0.6/1 kV	98843209	98843231	98843253
	4 x 120 mm ²	65	0.6/1 kV	98843210	98843232	98843254
	4 x 35 mm ²	50	3.3 kV	98843211	98843233	98843255
	4 x 35 mm ²	65	6.6 kV	98843215	98843237	98843259

a. Without terminated ends

b. Without cable bush

Cable bush (0.6/1 kV)

Pos.	Cable dia.	45	50	56	65
	Description/Kit No.	98843279	98843280	98843281	98843284
198	Rubber seal	2	2	2	2
	Washer	2	2	2	2

Cable bush (over 3.3 kV)

Pos.	Cable dia.	50	65
	Description/Kit No.	98843282	98843284
198	Rubber seal	2	2
	Washer	2	2

Cartridge Shaft seal kit

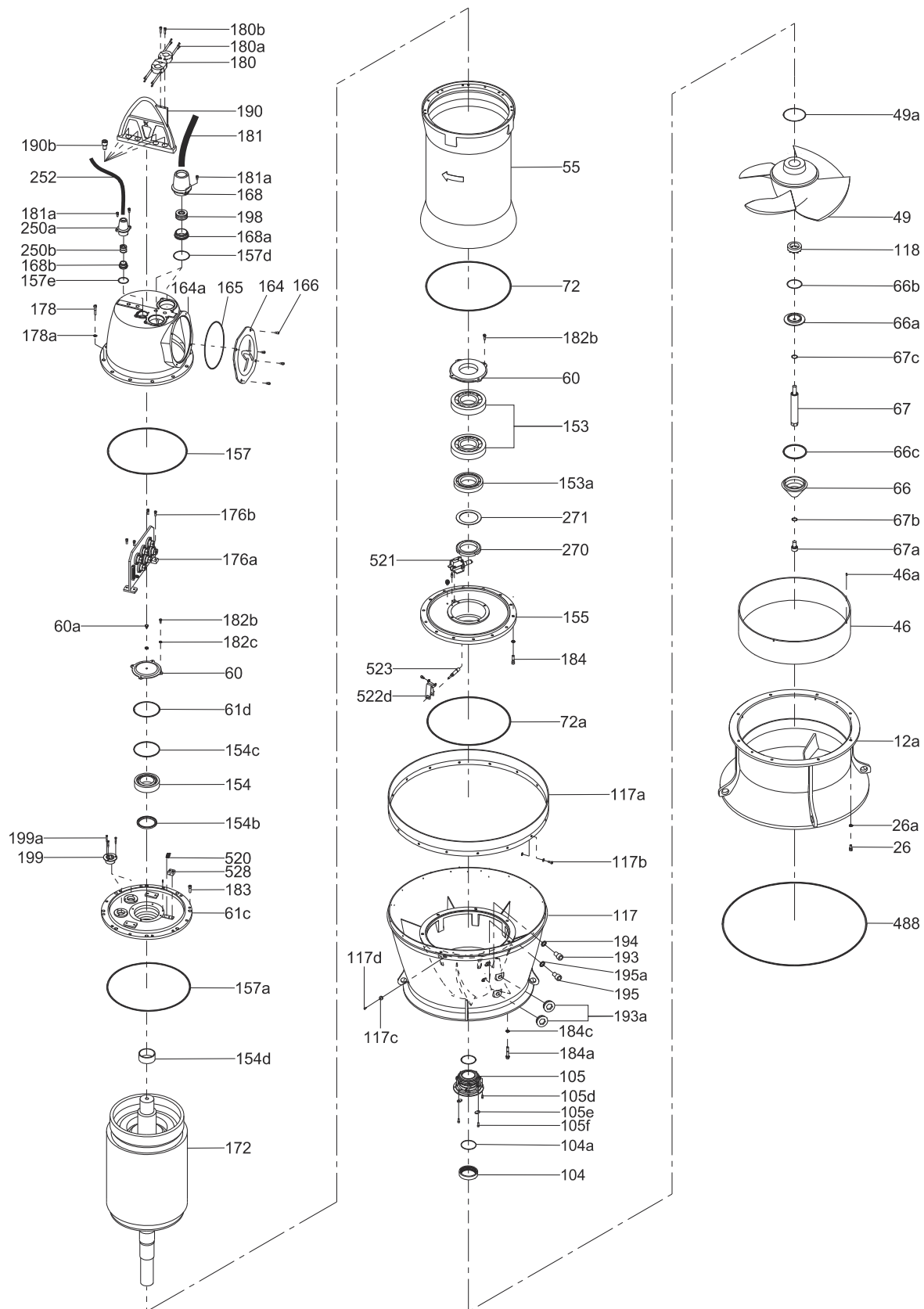
Pos.	Range	Poles	Power			
		8	132 kW	160~200 kW	250~300 kW	
		10	75~90 kW	132~160 kW	200~250 kW	
		12	75~90 kW	132~160 kW		
	Description/Kit No.		98843294	98843295	98843297	
105	Mechanical seal unit		1	1	1	
-	Cartridge unit		1	1	1	

Discharge casing protector

Pos.	Description/Kit No.	98843340
117c	Discharge casing protector	6
117d	Socket screw	6

Non return valve

Pos.	Description/Kit No.	98843385
196	Non return valve	1
	Nipple	1



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O-ring

Pos.	Range	Poles		Power			
		8	-	132 kW	160~200 kW	-	250~300 kW
		10	75~90 kW	-	132 kW	160 kW	200~250 kW
		12	75~90 kW	-	-	132~160 kW	-
Description/Kit No.		98843400	98843401	98843402	98843403	98843404	
157d	O-ring *	Ø3.5 x Ø130	2	2	2	2	2
157e	O-ring	Ø3.5 x Ø80	1	1	1	1	1
165	O-ring	Ø5.7 x Ø280	1	1	1	1	1
157	O-ring	Ø8.4 x Ø488	1				
		Ø8.4 x Ø508		1	1		
		Ø8.4 x Ø605				1	1
61d	O-ring	Ø5.7 x Ø160	1	1	1		
		Ø5.7 x Ø180				1	1
		Ø5.7 x Ø160	1	1	1		
154c	O-ring	Ø5.7 x Ø180				1	1
157a	O-ring	Ø8.4 x Ø527	1				
		Ø8.4 x Ø552		1	1		
		Ø8.4 x Ø622				1	1
72	O-ring	Ø8.4 x Ø505	1	1	1	1	1
105b	O-ring	Ø3.5 x Ø120	1	1	1	1	
		Ø3.5 x Ø130					1
		Ø5.7 x Ø175	1	1	1	1	
105c	O-ring	Ø5.7 x Ø190					1
106a	O-ring	Ø3.5 x Ø75	1	1			
		Ø3.5 x Ø85			1	1	
		Ø3.5 x Ø95					1
104a	O-ring	Ø3.5 x Ø90	1	1			
		Ø3.5 x Ø100			1	1	
		Ø3.5 x Ø110					1
49a	O-ring	Ø3.5 x Ø90	1	1			
		Ø3.5 x Ø100			1	1	
		Ø3.5 x Ø110					1
72a	O-ring	Ø8.4 x Ø480	1	1	1	1	1
195a	O-ring	Ø3.1 x Ø22	1	1	1	1	1
194	O-ring	Ø3.1 x Ø16	1	1	1	1	1
488	O-ring	Ø12 x Ø860	1	1	1	1	1
66b	O-ring	Ø3.5 x Ø130	1	1	1	1	1
66c	O-ring	Ø3.5 x Ø143	1	1	1	1	1
67c	O-ring	Ø3.1 x Ø42	1	1	1	1	1
67b	O-ring	Ø3.1 x Ø40	1	1	1	1	1
154b	Lip seal	TC-12014011	1	1	1		
		TC-13516514				1	1

* O-ring may be more supply.

O-ring for oil plugs

Pos.	Description/Kit No.	98843384
195a	O-ring Ø3.1 x Ø22	1
194	O-ring Ø3.1 x Ø16	1

Power Lock

Pos.	Range	Poles		Power	
		8	132 kW	160~200	250~300
		10	75~90 kW	132~160	200~250
		12	75~90 kW	132~160	
	Description				
Kit No.		98843311	98843313	98843314	
118	Power Lock	1	1	1	

Sensor Cable

Pos.	Length		10 m	15 m	20 m
	Description	Cable dia.			
252	8 x 2.5 mm ²	23	98843218	98843240	98843262
	11 x 2.5 mm ²	23	98843219	98843241	98843263

a. Without terminated ends

b. Without cable bush

Sensor Cable bush

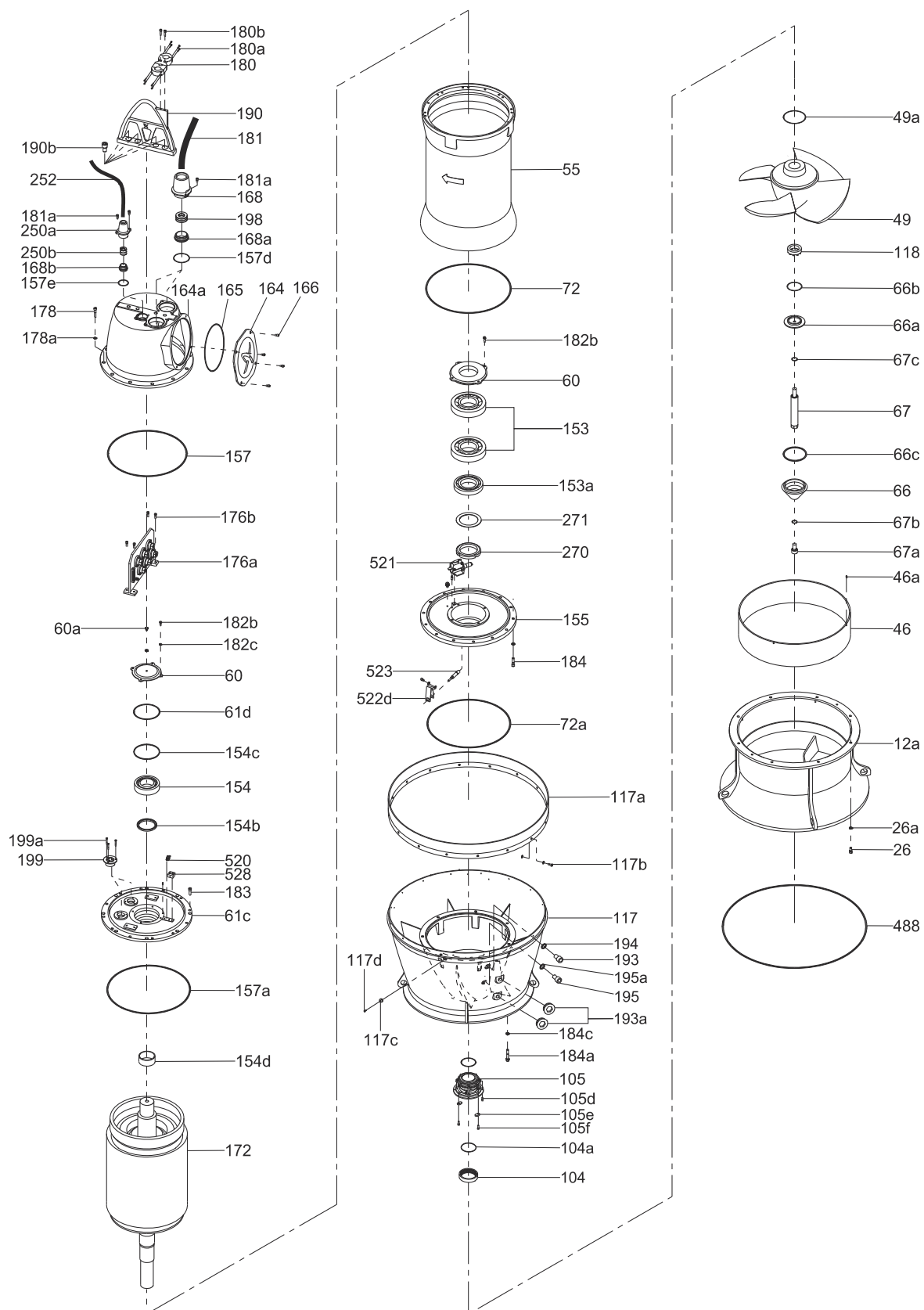
Pos.	Description/Kit No.	98843287
250b	Rubber seal	2
	Washer	2

Turbulence Optimizer

Pos.	Description/Kit No.	98843328
117a	Turbulence Optimizer	1
117b	Socket screw	12
	Washer	24

Wear ring

Pos.	Description Kit No.	98843361
46	wear ring	1
46a	Screw	4



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KPL 1200

Bearing

Pos.	Range	Poles	Power		
		10	220 kW	250~300 kW	335~400 kW
		12	132~200 kW	220~250 kW	300 kW
		14	132~200 kW	250 kW	
	Description/Kit No.		98843477	98843478	98843479
154	Upper bearing		1	1	1
154d	Sleeve		1	1	1
153	Lower bearing		2	2	2
153a	Lower bearing 2nd		1	1	1
154b	Lip seal		1	1	1
270	Bearing nut		1	1	1
271	Bearing washer		1	1	1

Cable

Pos.	Length		10 m	15 m	20 m	
	Description	Out dia.	Voltage			
181	3 x 50 + 1 x 35 + 4 x 1.5 mm ²	45	0.6/1 kV	98843207	98843229	98843251
	4 x 70 mm ²	50	0.6/1 kV	98843208	98843230	98843252
	4 x 95 mm ²	56	0.6/1 kV	98843209	98843231	98843253
	4 x 120 mm ²	65	0.6/1 kV	98843210	98843232	98843254
	4 x 35 mm ²	50	3.3 kV	98843211	98843233	98843255
	4 x 50 mm ²	56	3.3 kV	98843212	98843234	98843256
	4 x 35 mm ²	65	6.6 kV	98843215	98843237	98843259

a. Without terminated ends

b. Without cable bush

Cable bush (0.6/1 kV)

Pos.	Cable dia.	45	50	56	65
	Description/Kit No.	98843279	98843280	98843281	98843284
198	Rubber seal	2	2	2	2
	Washer	2	2	2	2

Cable bush (over 3.3 kV)

Pos.	Cable dia.	50	56	65
	Description/Kit No.	98843282	98843283	98843284
198	Rubber seal	2	2	2
	Washer	2	2	2

Cartridge Shaft seal kit

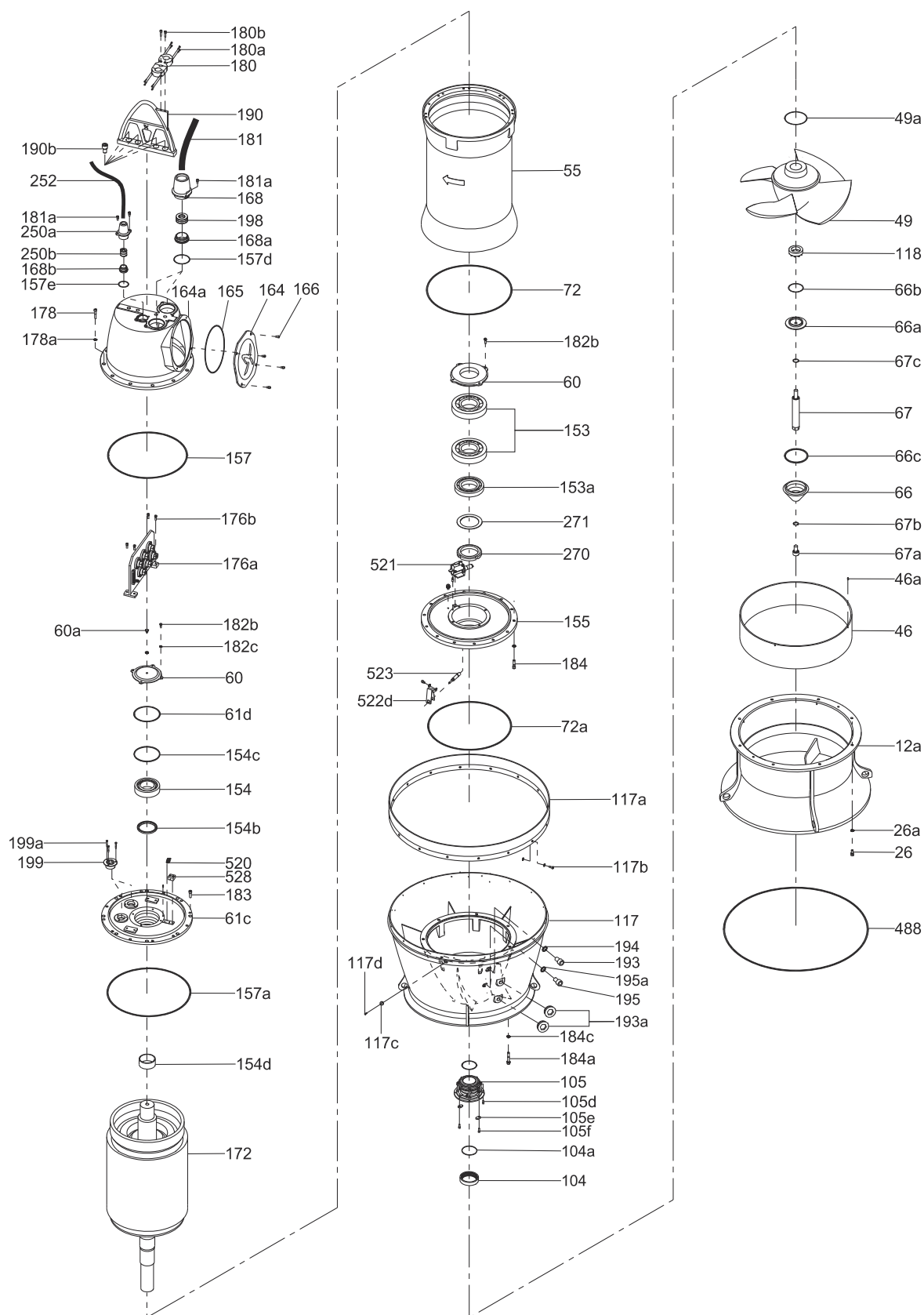
Pos.	Range	Poles	Power		
		10	220 kW	250~300 kW	335~400 kW
		12	132~200 kW	220~250 kW	300 kW
		14	132~200 kW	250 kW	
	Description/Kit No.		98843297	98843298	98843299
105	Mechanical seal unit		1	1	1
-	Cartridge unit		1	1	1

Discharge casing protector

Pos.	Description/Kit No.	98843341
117c	Discharge casing protector	6
117d	Socket screw	6

Non return valve

Pos.	Description/Kit No.	98843385
196	Non return valve	1
	Nipple	1



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O-ring

Pos.	Range	Poles		Power			
		10	220 kW	250 kW	-	300 kW	335~400 kW
		12	132~160		200 kW	220~250 kW	300 kW
		14	132 kW		160~200 kW	250 kW	
Description/Kit No.		98843406	98843407	98843408	98843409	98843410	
157d	O-ring *	Ø3.5 x Ø130	2	2	4	4	4
157e	O-ring	Ø3.5 x Ø80	1	1	1	1	1
165	O-ring	Ø5.7 x Ø280	1	1	-	-	-
		Ø5.7 x Ø400	-	-	1	1	1
157	O-ring	Ø8.4 x Ø605	1	1	-	-	-
		Ø8.4 x Ø670	-	-	1	1	1
61d	O-ring	Ø5.7 x Ø180	1	1	1	1	1
154c	O-ring	Ø5.7 x Ø180	1	1	1	1	1
157a	O-ring	Ø8.4 x Ø622	1	1	-	-	-
		Ø8.4 x Ø702	-	-	1	1	1
72	O-ring	Ø8.4 x Ø650	1	1	1	1	1
105b	O-ring	Ø3.5 x Ø130	1	-	1	-	-
		Ø5.7 x Ø150	-	1		1	1
105c	O-ring	Ø5.7 x Ø190	1	-	1	-	-
		Ø5.7 x Ø210	-	1		1	1
106a	O-ring	Ø3.5 x Ø95	1	-	1	-	-
		Ø3.5 x Ø105	-	1	-	1	-
		Ø3.5 x Ø115	-	-	-	-	1
104a	O-ring	Ø3.5 x Ø110	1		1	-	-
		Ø3.5 x Ø120	-	1	-	1	-
		Ø3.5 x Ø130	-	-	-	-	1
49a	O-ring	Ø3.5 x Ø110	1		1	-	-
		Ø3.5 x Ø120	-	1	-	1	-
		Ø3.5 x Ø130	-	-	-	-	1
72a	O-ring	Ø8.4 x Ø620	1	1	1	1	1
195a	O-ring	Ø3.1 x Ø22	1	1	1	1	1
194	O-ring	Ø3.1 x Ø16	1	1	1	1	1
488	O-ring	Ø12 x Ø1040	1	1	1	1	1
66b	O-ring	Ø3.5 x Ø155	1	1	1	1	1
66c	O-ring	Ø5.7 x Ø185	1	1	1	1	1
67c	O-ring	Ø3.1 x Ø42	1	1	1	1	1
67b	O-ring	Ø3.1 x Ø40	1	1	1	1	1
154b	Lip seal	TC-13516514	1	1	1	1	1

* O-ring may be more supply.

O-ring for oil plugs

Pos.	Description/Kit No.	98843384
195a	O-ring Ø3.1 x Ø22	1
194	O-ring Ø3.1 x Ø16	1

Power Lock

Pos.	Range	Poles		Power	
		10	220 kW	250~300 kW	335~400 kW
		12	132~200 kW	220~250 kW	300 kW
		14	132~200 kW	250 kW	
Description					
Kit No.		98843314	98843315	98843316	
118	Power Lock	1	1	1	

Sensor Cable

Pos.	Length	10 m	15 m	20 m
Description Cable dia.				
252	8 x 2.5 mm ²	23	98843218	98843240
	11 x 2.5 mm ²	23	98843219	98843241

a. Without terminated ends

b. Without cable bush

Sensor Cable bush

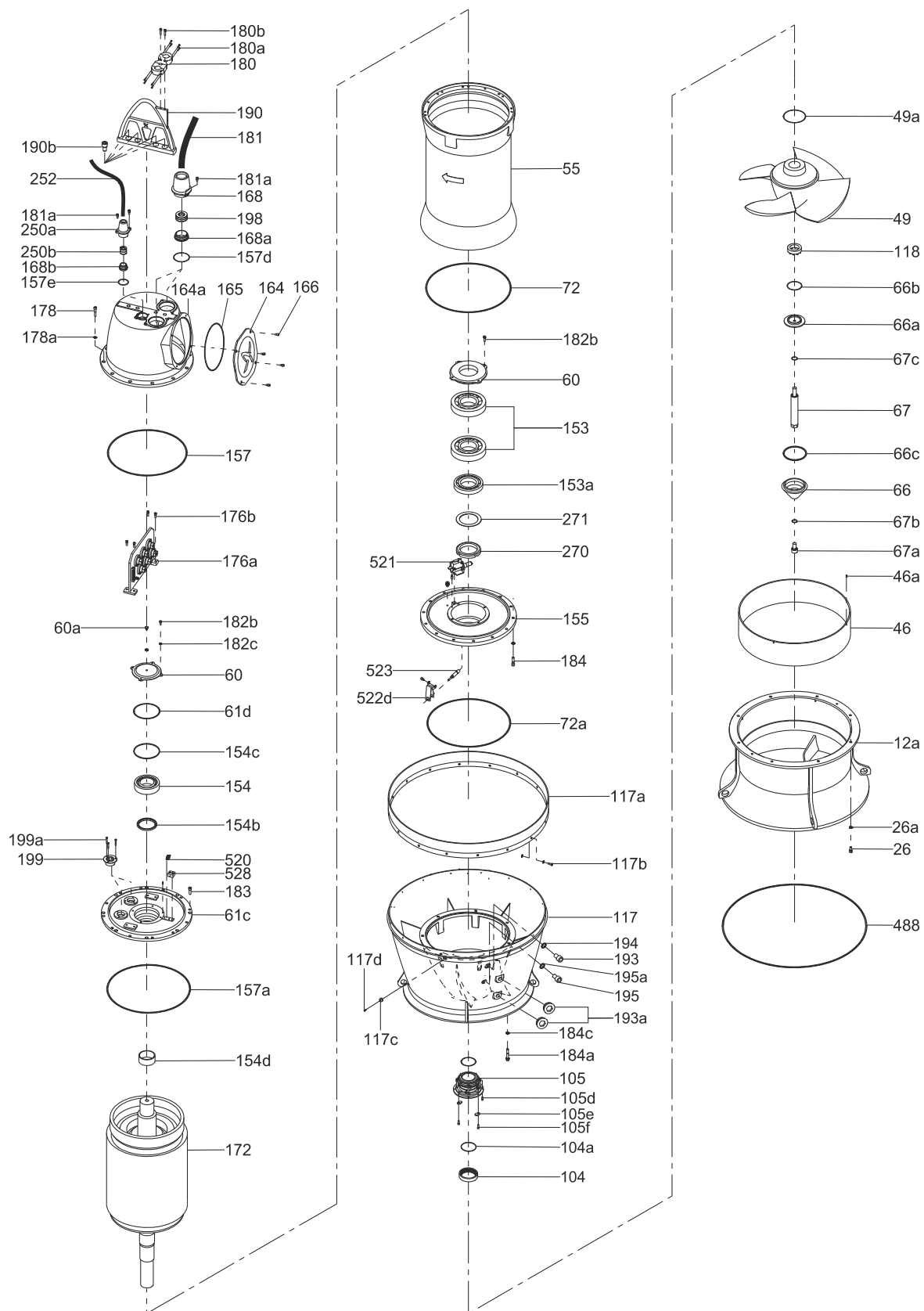
Pos.	Description/Kit No.	98843287
250b	Rubber seal	2
	Washer	2

Turbulence Optimizer

Pos.	Description/Kit No.	98843329
117a	Turbulence Optimizer	1
117b	Socket screw	12
	Washer	24

Wear ring

Pos.	Description Kit No.	98843362
46	wear ring	1
46a	Screw	4



TM06 1885 3814

KPL 1400

Bearing

Pos.	Range	Poles	Power			
		12	220~250 kW	300 kW	350 kW	400 kW
		14	132~200 kW	250 kW	300~375 kW	450 kW
		16	132~200 kW	-	250~300 kW	-
	Description/Kit No.		98843480	98843481	98843482	98843483
154	Upper bearing		1	1	1	1
154d	Sleeve		1	1	1	1
153	Lower bearing		2	2	2	2
153a	Lower bearing 2nd		1	1	1	1
154b	Lip seal		1	1	1	1
270	Bearing nut		1	1	1	1
271	Bearing washer		1	1	1	1

Cable

Pos.	Length			10 m	15 m	20 m
	Description	Out dia.	Voltage			
181	3 x 50 + 1 x 35 + 4 x 1.5 mm ²	45	0.6/1 kV	98843207	98843229	98843251
	4 x 70 mm ²	50	0.6/1 kV	98843208	98843230	98843252
	4 x 95 mm ²	56	0.6/1 kV	98843209	98843231	98843253
	4 x 120 mm ²	65	0.6/1 kV	98843210	98843232	98843254
	4 x 35 mm ²	50	3.3 kV	98843211	98843233	98843255
	4 x 50 mm ²	56	3.3 kV	98843212	98843234	98843256
	4 x 70 mm ²	65	3.3 kV	98843213	98843235	98843257
	4 x 35 mm ²	65	6.6 kV	98843215	98843237	98843259
	4 x 50 mm ²	65	6.6 kV	98843216	98843238	98843260

a. Without terminated ends

b. Without cable bush

Cable bush (0.6/1 kV)

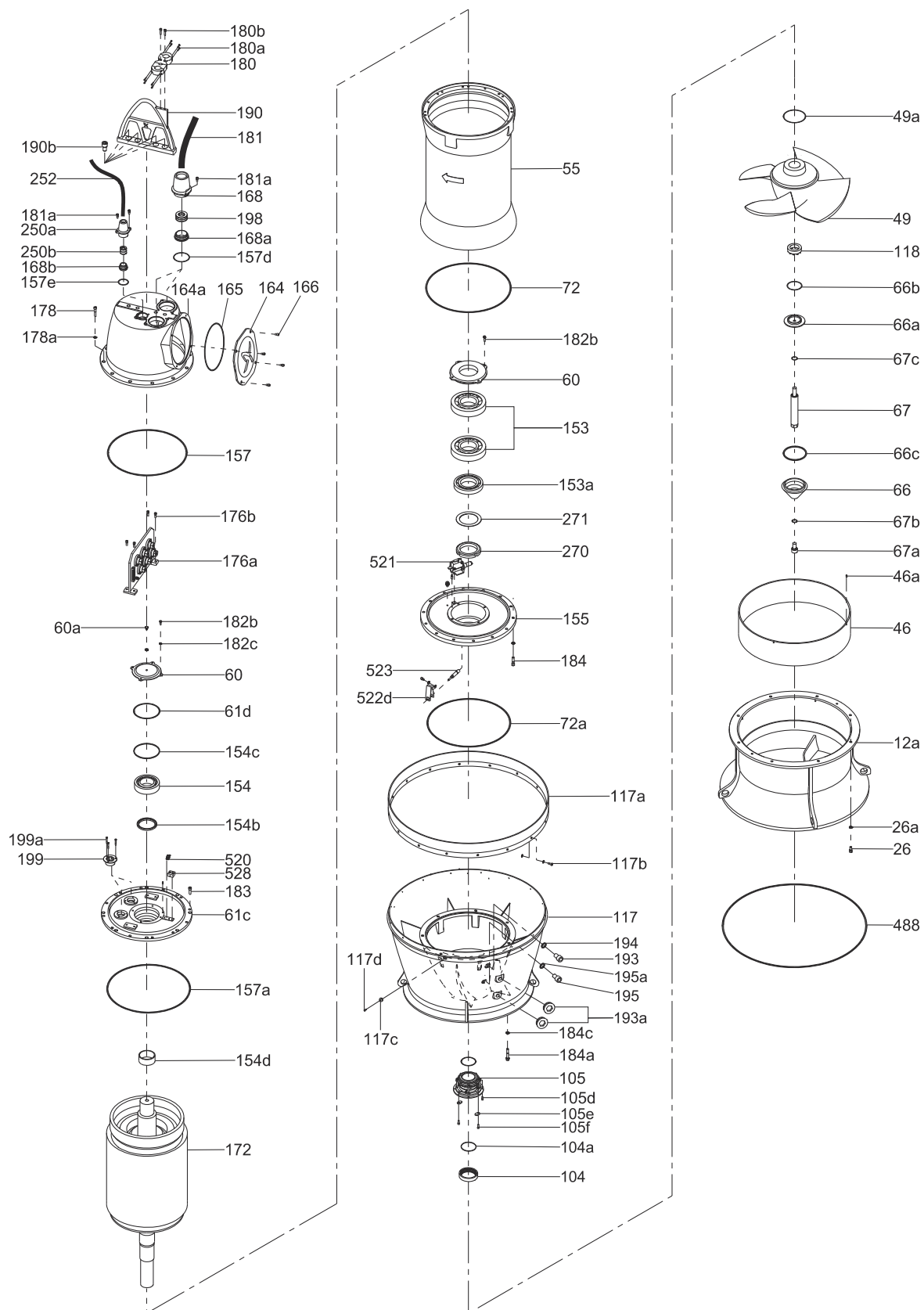
Pos.	Cable dia.	45	50	56	65
	Description/Kit No.	98843279	98843280	98843281	98843284
198	Rubber seal	2	2	2	2
	Washer	2	2	2	2

Cable bush (over 3.3 kV)

Pos.	Cable dia.	50	56	65
	Description/Kit No.	98843282	98843283	98843284
198	Rubber seal	2	2	2
	Washer	2	2	2

Cartridge Shaft seal kit

Pos.	Range	Poles	Power		
		12	220~250 kW	300~350 kW	400 kW
		14	132~200 kW	250~375 kW	450 kW
		16	132~200 kW	250~300 kW	
	Description/Kit No.		98843298	98843299	98843300
105	Mechanical seal unit		1	1	1
-	Cartridge unit		1	1	1



Discharge casing protector

Pos.	Description/Kit No.	98843342
117c	Discharge casing protector	6
117d	Socket screw	6

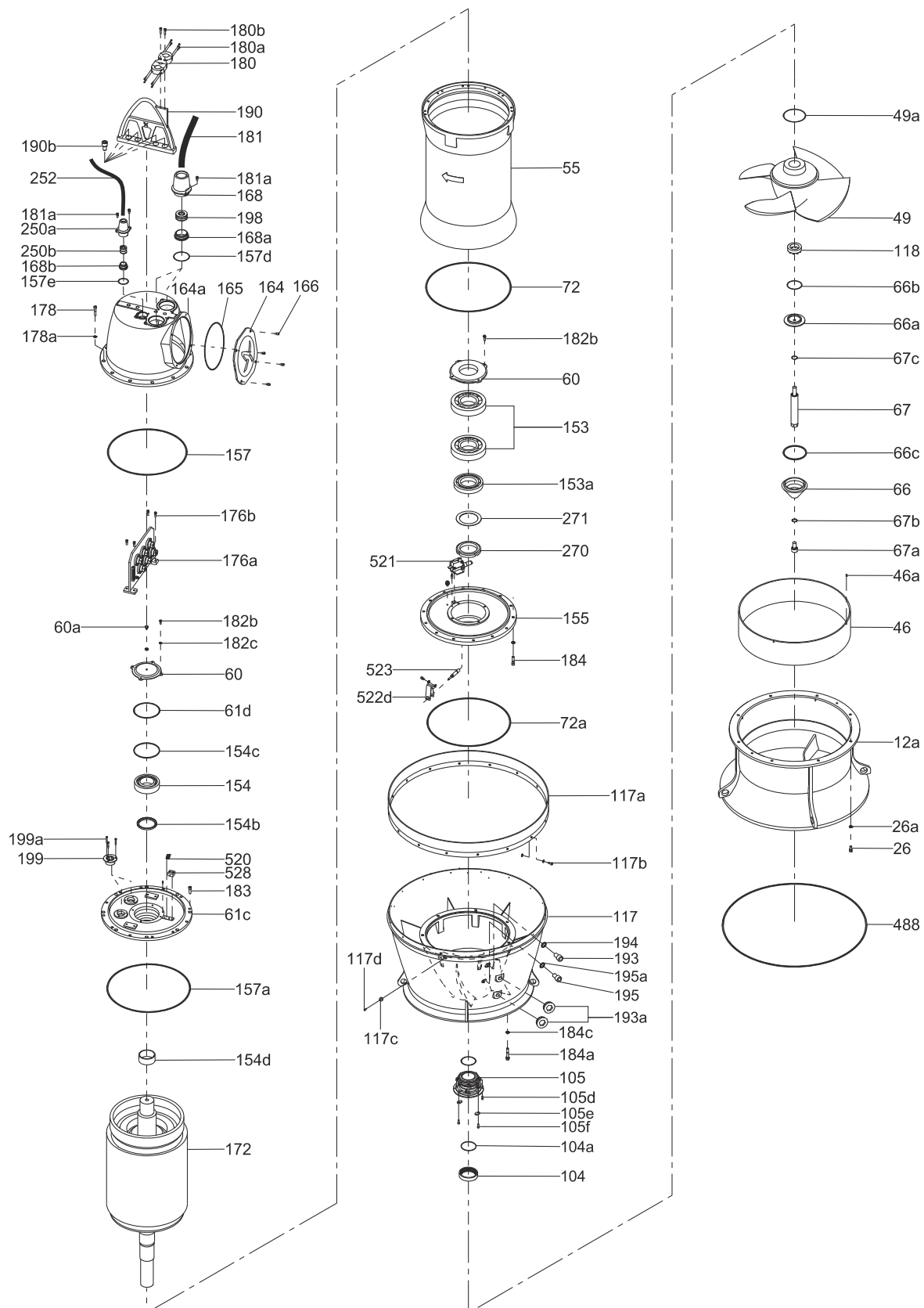
Non return valve

Pos.	Description/Kit No.	98843385
196	Non return valve	1
	Nipple	1

O-ring

Pos.	Range	Poles	Power			
		12	220~250 kW	300 kW	350 kW	400 kW
		14	132~200 kW	250 kW	300~375 kW	450 kW
	Description/Kit No.	16	132~200 kW	-	250~300 kW	-
			98843411	98843412	98843413	98843414
157d	O-ring *	Ø3.5 x Ø130	4	4	4	4
157e	O-ring	Ø3.5 x Ø80	1	1	1	1
165	O-ring	Ø5.7 x Ø400	1	1	1	1
157	O-ring	Ø8.4 x Ø670	1	1		
		Ø8.4 x Ø750			1	1
61d	O-ring	Ø5.7 x Ø180	1	1		
		Ø5.7 x Ø215			1	1
154c	O-ring	Ø5.7 x Ø180	1	1		
		Ø5.7 x Ø215			1	1
157a	O-ring	Ø8.4 x Ø702	1	1		
		Ø8.4 x Ø782			1	1
72	O-ring	Ø8.4 x Ø720	1	1	1	1
105b	O-ring	Ø5.7 x Ø150	1	1	1	
		Ø5.7 x Ø170				1
105c	O-ring	Ø5.7 x Ø210	1	1	1	
		Ø5.7 x Ø230				1
106a	O-ring	Ø3.5 x Ø105	1			
		Ø3.5 x Ø115		1	1	
		Ø3.5 x Ø125				1
104a	O-ring	Ø3.5 x Ø120	1			
		Ø3.5 x Ø130		1	1	
		Ø3.5 x Ø140				1
49a	O-ring	Ø3.5 x Ø120	1			
		Ø3.5 x Ø130		1	1	
		Ø3.5 x Ø140				1
72a	O-ring	Ø8.4 x Ø710	1	1	1	1
195a	O-ring	Ø3.1 x Ø22	1	1	1	1
194	O-ring	Ø3.1 x Ø16	1	1	1	1
488	O-ring	Ø12 x Ø1230	1	1	1	1
66b	O-ring	Ø5.7 x Ø165	1	1	1	1
66c	O-ring	Ø5.7 x Ø185	1	1	1	1
67c	O-ring	Ø3.1 x Ø42	1	1	1	1
67b	O-ring	Ø3.1 x Ø40	1	1	1	1
154b	Lip seal	TC-13516514	1	1		
		TC-16019014			1	1

* O-ring may be more supply.



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O-ring for oil plugs

Pos.	Description/Kit No.	98843384
195a	O-ring	Ø3.1 x Ø22 1
194	O-ring	Ø3.1 x Ø16 1

Power Lock

Pos.	Range	Poles	Power		
		12	220~250 kW	300~350 kW	400 kW
		14	132~200 kW	250~375 kW	450 kW
		16	132~200 kW	250~300 kW	
	Description/Kit No.	98843315	98843316	98843317	
118	Power Lock	1	1	1	

Sensor Cable

Pos.	Length	Cable dia.	10 m	15 m	20 m
	Description*				
252	8 x 2.5 mm ²	23	98843218	98843240	98843262
	11 x 2.5 mm ²	23	98843219	98843241	98843263

a. Without terminated ends

b. Without cable bush

Sensor Cable bush

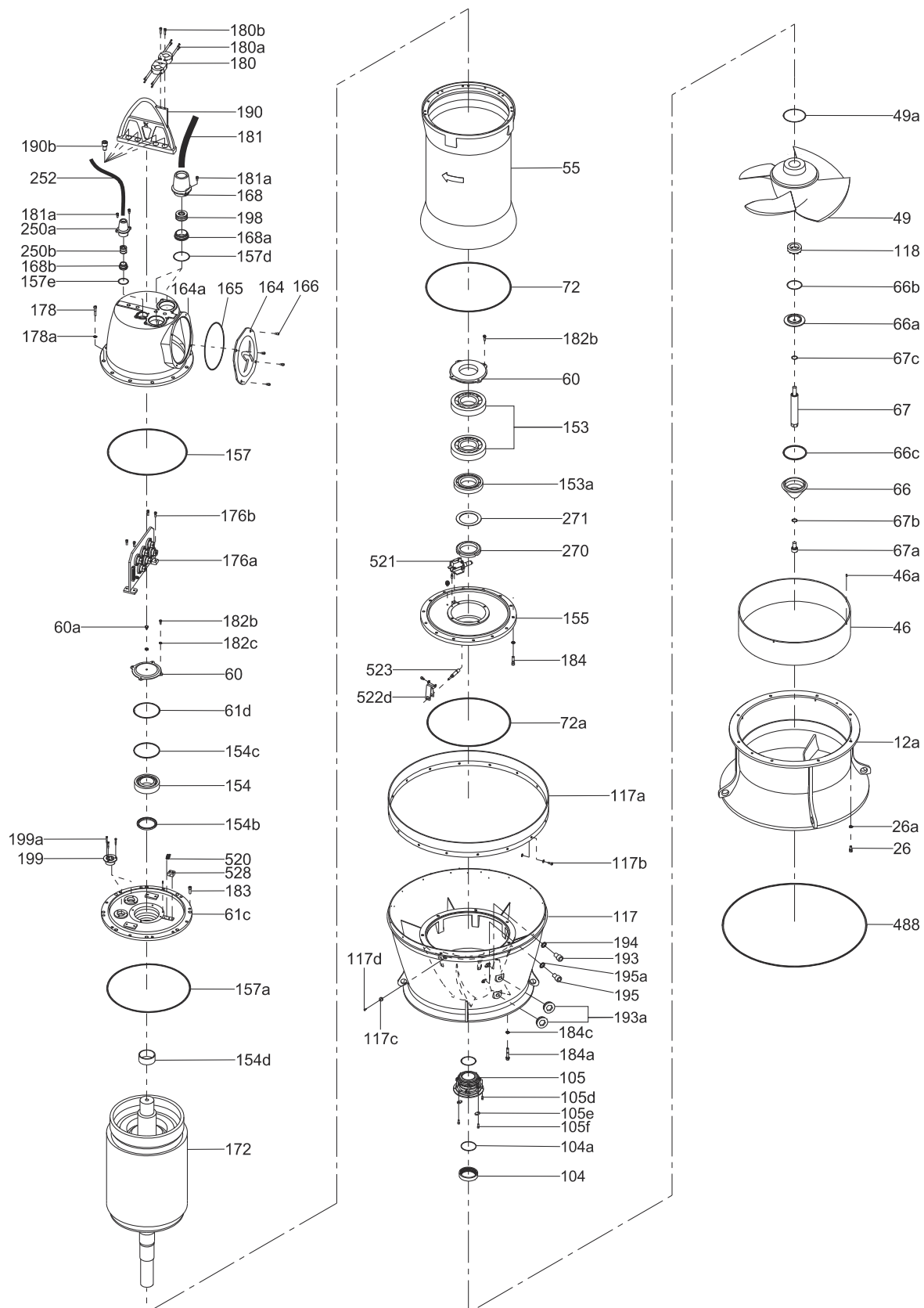
Pos.	Description/Kit No.	98843287
250b	Rubber seal	2
	Washer	2

Turbulence Optimizer

Pos.	Description/Kit No.	98843330
117a	Turbulence Optimizer	1
117b	Socket screw	12
	Washer	24

Wear ring

Pos.	Description Kit No.	98843363
46	wear ring	1
46a	Screw	4



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KPL 1500

Bearing

Pos.	Range	Poles	Power				
		12		350~450 kW	500 kW		
		14	200~250 kW	300 kW	350~375 kW	450 kW	500~600 kW
		16	200 kW	250~300 kW	350 kW	400 kW	
Description/Kit No.		98843484	98843485	98843486	98843487	98843488	
154	Upper bearing	1	1	1	1	1	
154d	Sleeve	1	1	1	1	1	
153	Lower bearing	2	2	2	2	2	
153a	Lower bearing 2nd	1	1	1	1	1	
154b	Lip seal	1	1	1	1	1	
270	Bearing nut	1	1	1	1	1	
271	Bearing washer	1	1	1	1	1	

Cable

Pos.	Length			10 m	15 m	20 m
	Description	Out dia.	Voltage			
181	3 x 50 + 1 x 35 + 4 x 1.5 mm ²	45	0.6/1 kV	98843207	98843229	98843251
	4 x 70 mm ²	50	0.6/1 kV	98843208	98843230	98843252
	4 x 95 mm ²	56	0.6/1 kV	98843209	98843231	98843253
	4 x 120 mm ²	65	0.6/1 kV	98843210	98843232	98843254
	4 x 35 mm ²	50	3.3 kV	98843211	98843233	98843255
	4 x 50 mm ²	56	3.3 kV	98843212	98843234	98843256
	4 x 70 mm ²	65	3.3 kV	98843213	98843235	98843257
	4 x 95 mm ²	69.5	3.3 kV	98843214	98843236	98843258
	4 x 35 mm ²	65	6.6 kV	98843215	98843237	98843259
	4 x 50 mm ²	65	6.6 kV	98843216	98843238	98843260
	4 x 70 mm ²	72	6.6 kV	98843217	98843239	98843261

a. Without terminated ends

b. Without cable bush

Cable bush (0.6/1 kV)

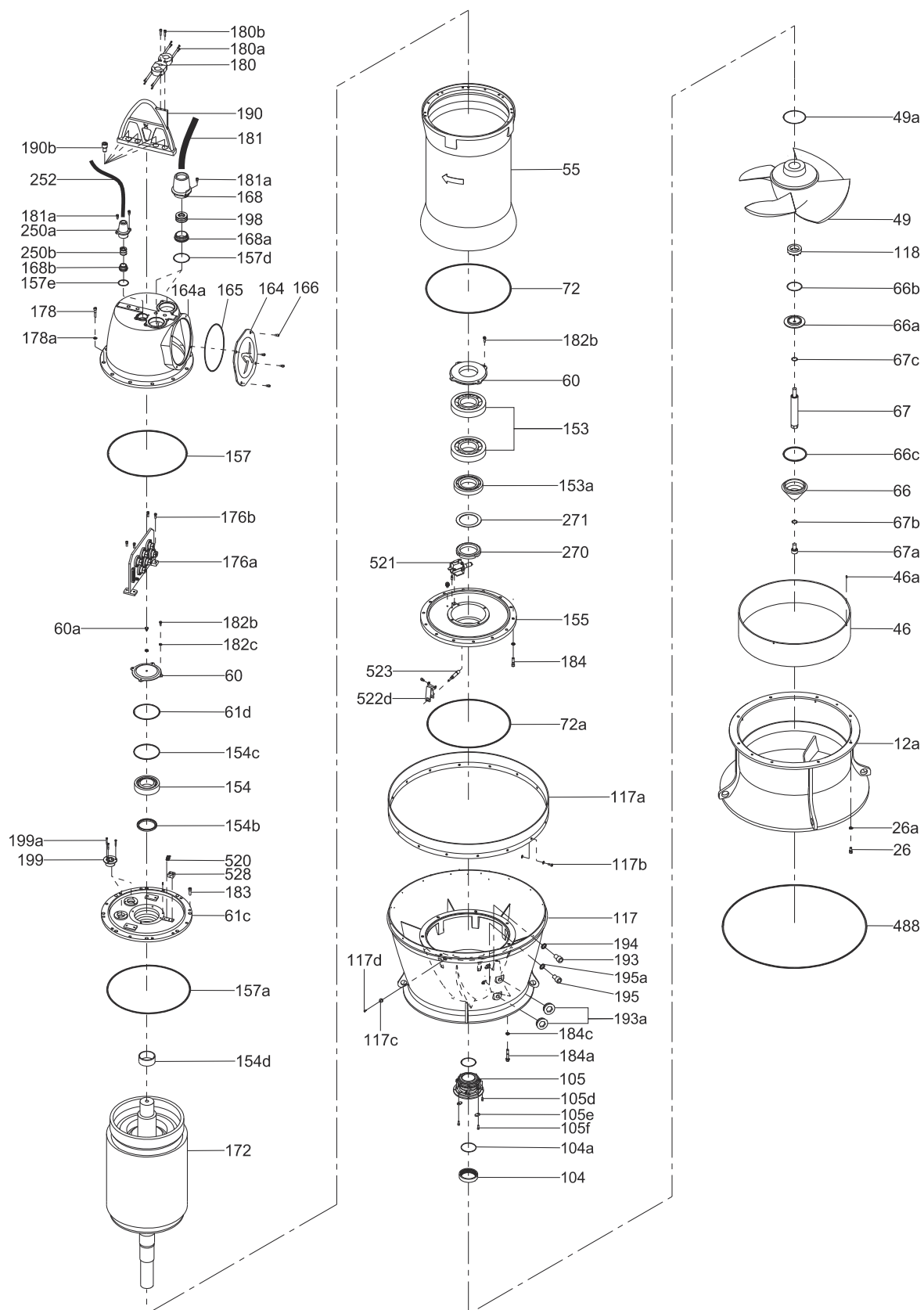
Pos.	Cable dia.	45	50	56	65
	Description/Kit No.	98843279	98843280	98843281	98843284
198	Rubber seal	2	2	2	2
	Washer	2	2	2	2

Cable bush (over 3.3 kV)

Pos.	Cable dia.	50	56	65	69.5	72
	Description/Kit No.	98843282	98843283	98843284	98843285	98843286
198	Rubber seal	2	2	2	2	2
	Washer	2	2	2	2	2

Cartridge Shaft seal kit

Pos.	Range	Poles		Power	
		12		350~450 kW	500 kW
		14	200~300 kW	350~375 kW	450~600 kW
		16	200~300 kW	350 kW	400 kW
	Description/Kit No.		98843299	98843300	98843301
105	Mechanical seal unit	1	1	1	
-	Cartridge unit	1	1	1	



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Discharge casing protector

Pos.	Description/Kit No.	98843343
117c	Discharge casing protector	6
117d	Socket screw	6

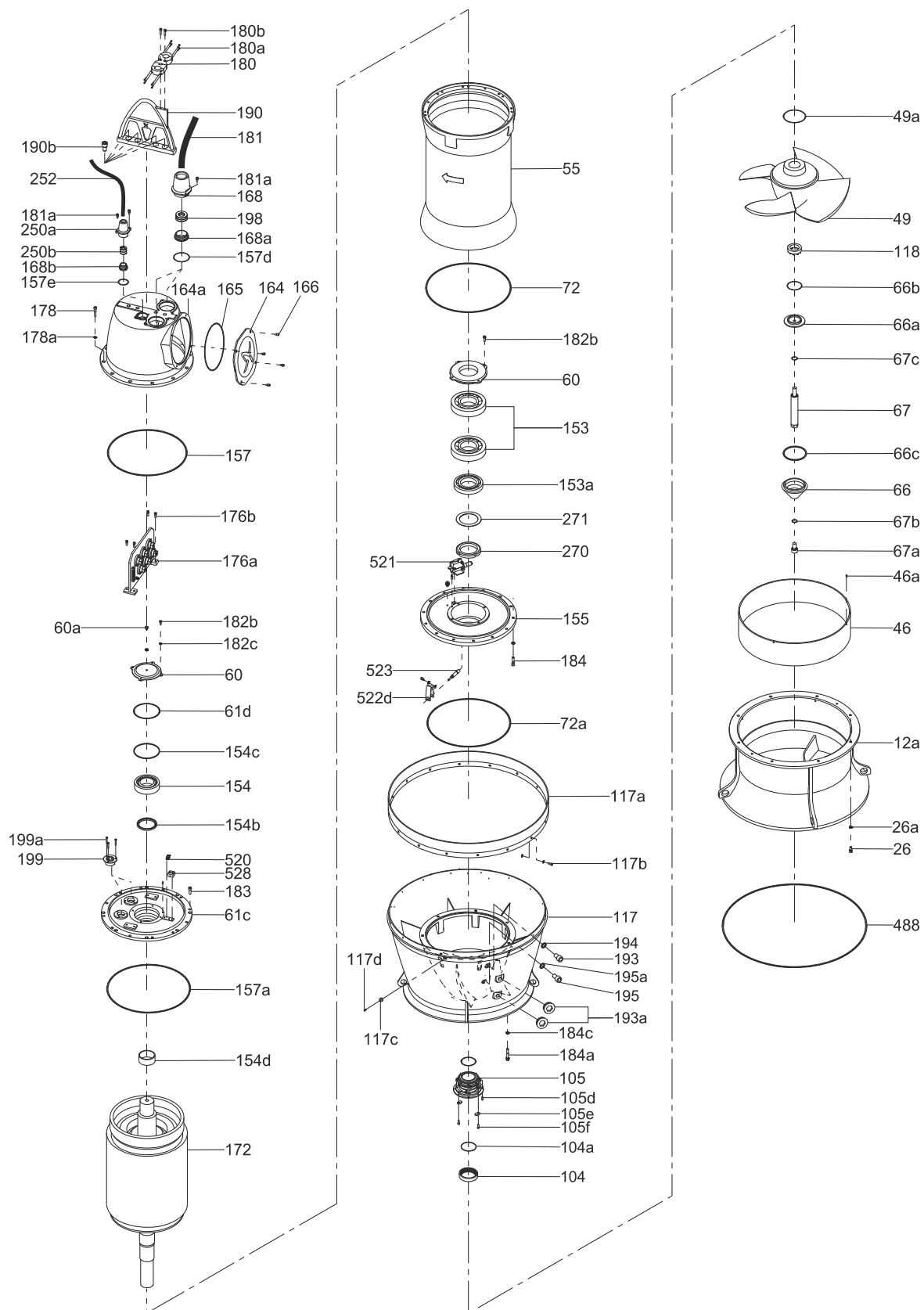
Non return valve

Pos.	Description/Kit No.	98843385
196	Non return valve	1
	Nipple	1

O-ring

Pos.	Range	Poles	Power				
		12	200~250 kW		300 kW	350~450 kW	500 kW
		14	200 kW		250~300 kW	350~375 kW	450 kW
	Description/Kit No.	16	98843415	98843416	98843417	98843418	98843419
157d	O-ring *	Ø3.5 x Ø130	4	4	4	4	4
157e	O-ring	Ø3.5 x Ø80	1	1	1	1	1
165	O-ring	Ø5.7 x Ø400	1	1	1	1	1
		Ø8.4 x Ø670	1				
157	O-ring	Ø8.4 x Ø750		1	1	1	
		Ø8.4 x Ø850					1
61d	O-ring	Ø5.7 x Ø180	1				
		Ø5.7 x Ø215		1	1	1	1
154c	O-ring	Ø5.7 x Ø180	1				
		Ø5.7 x Ø215		1	1	1	1
		Ø8.4 x Ø702	1				
157a	O-ring	Ø8.4 x Ø782		1	1	1	
		Ø8.4 x Ø882					1
72	O-ring	Ø8.4 x Ø820	1	1	1	1	1
105b	O-ring	Ø5.7 x Ø150	1	1			
		Ø5.7 x Ø170			1	1	1
105c	O-ring	Ø5.7 x Ø210	1	1			
		Ø5.7 x Ø230			1	1	1
		Ø3.5 x Ø115	1	1			
106a	O-ring	Ø3.5 x Ø125			1		
		Ø3.5 x Ø135				1	1
		Ø3.5 x Ø130	1	1			
104a	O-ring	Ø3.5 x Ø140			1		
		Ø5.7 x Ø150				1	1
		Ø3.5 x Ø130	1	1			
49a	O-ring	Ø3.5 x Ø140			1		
		Ø5.7 x Ø150				1	1
72a	O-ring	Ø8.4 x Ø810	1	1	1	1	1
195a	O-ring	Ø3.1 x Ø22	1	1	1	1	1
194	O-ring	Ø3.1 x Ø16	1	1	1	1	1
488	O-ring	Ø12 x Ø1330	1	1	1	1	1
66b	O-ring	Ø5.7 x Ø180	1	1	1	1	1
66c	O-ring	Ø5.7 x Ø200	1	1	1	1	1
67c	O-ring	Ø3.1 x Ø42	1	1	1	1	1
67b	O-ring	Ø3.1 x Ø40	1	1	1	1	1
154b	Lip seal	TC-13516514	1				
		TC-16019014		1	1	1	1

* O-ring may be more supply.



O-ring for oil plugs

Pos.	Description/Kit No.	98843384
195a	O-ring	Ø3.1 x Ø22 1
194	O-ring	Ø3.1 x Ø16 1

Power Lock

Pos.	Range	Poles	Power		
		12	-	350~450 kW	500 kW
		14	200~300 kW	350~375 kW	450~600 kW
		16	200~300 kW	350 kW	400 kW
	Description/Kit No.	98843316	98843317	98843318	
118	Power Lock	1	1	1	

Sensor Cable

Pos.	Length		10 m	15 m	20 m
	Description	Cable dia.			
252	8 x 2.5 mm ²	23	98843218	98843240	98843262
	11 x 2.5 mm ²	23	98843219	98843241	98843263

a. Without terminated ends

b. Without cable bush

Sensor Cable bush

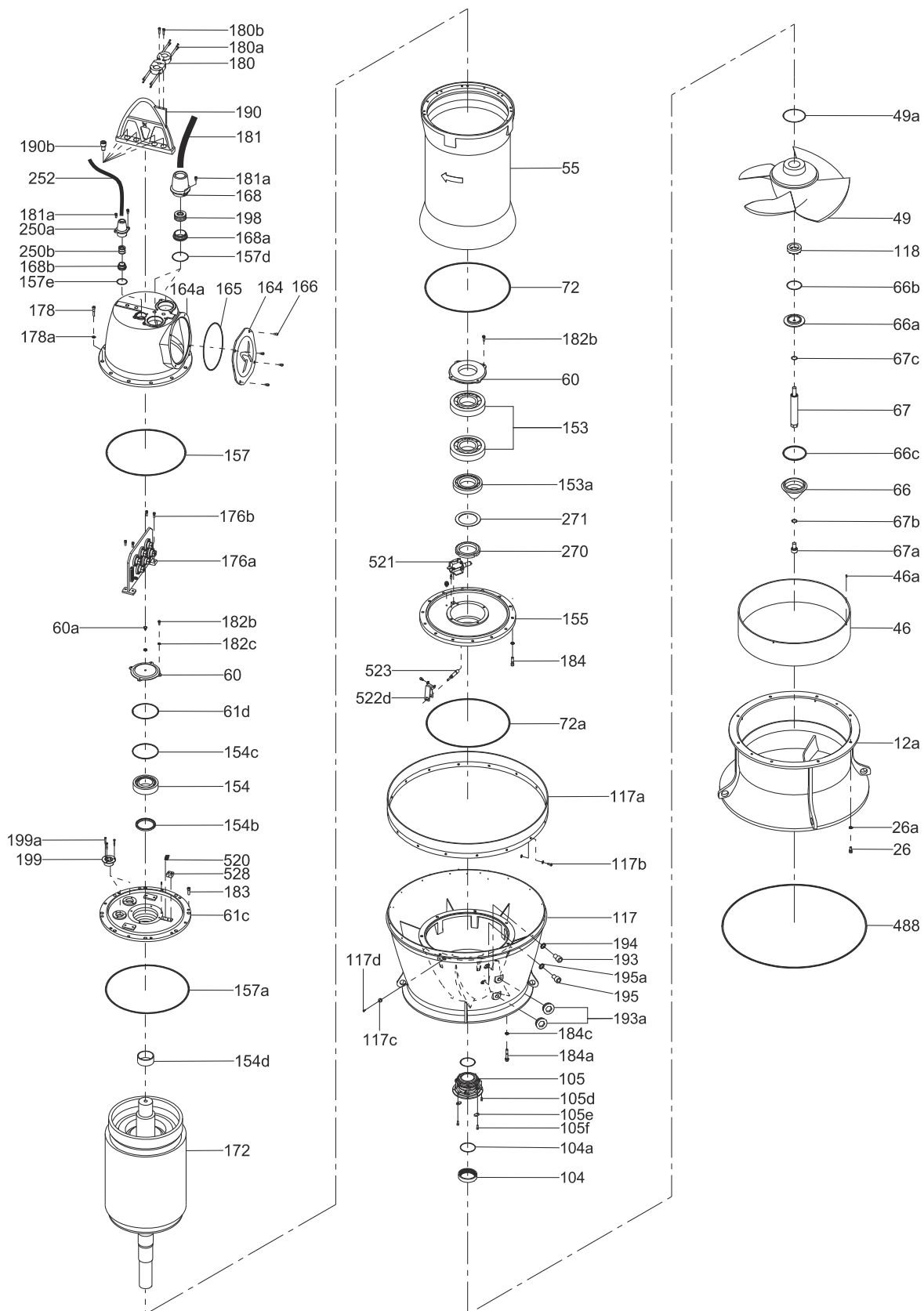
Pos.	Description/Kit No.	98843287
250b	Rubber seal	2
	Washer	2

Turbulence Optimizer

Pos.	Description/Kit No.	98843331
117a	Turbulence Optimizer	1
117b	Socket screw	12
	Washer	24

Wear ring

Pos.	Description Kit No.	98843364
46	wear ring	1
46a	Screw	4



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KWM 600

Bearing

Pos.	Range	Poles	Power
		4	37~65 kW
		6	30~45 kW
Description/Kit No.		98843489	
154	Upper bearing	1	
153	Lower bearing	1	
	Lower bearing 2nd	1	
154b	Lip seal	1	
187	Circlip	1	
154a	Sleeve	1	
-	Set screw	2	

Cable

Pos.	Length			10 m	15 m	20 m
	Description	Cable dia.	Voltage			
181	3 x 25 + 1 x 16 + 4 x 1.5 mm ²	32	0.6/1 kV	98843205	98843227	98843249
	3 x 35 + 1 x 25 + 4 x 1.5 mm ²	32	0.6/1 kV	98843206	98843228	98843250
	3 x 50 + 1 x 35 + 4 x 1.5 mm ²	45	0.6/1 kV	98843207	98843229	98843251
	4 x 70 mm ²	50	0.6/1 kV	98843208	98843230	98843252
	6 x 16+ 1 x 10 + 6 x 1.5 mm ²	34	0.6/1 kV	98843190	98843222	98843244
	6 x 25 + 1 x 16 + 6 x 1.5 mm ²	42	0.6/1 kV	98843201	98843223	98843245
	6 x 35 + 1 x 25 + 6 x 1.5 mm ²	45	0.6/1 kV	98843202	98843224	98843246

a. Without terminated ends

b. Without cable bush

Cable bush

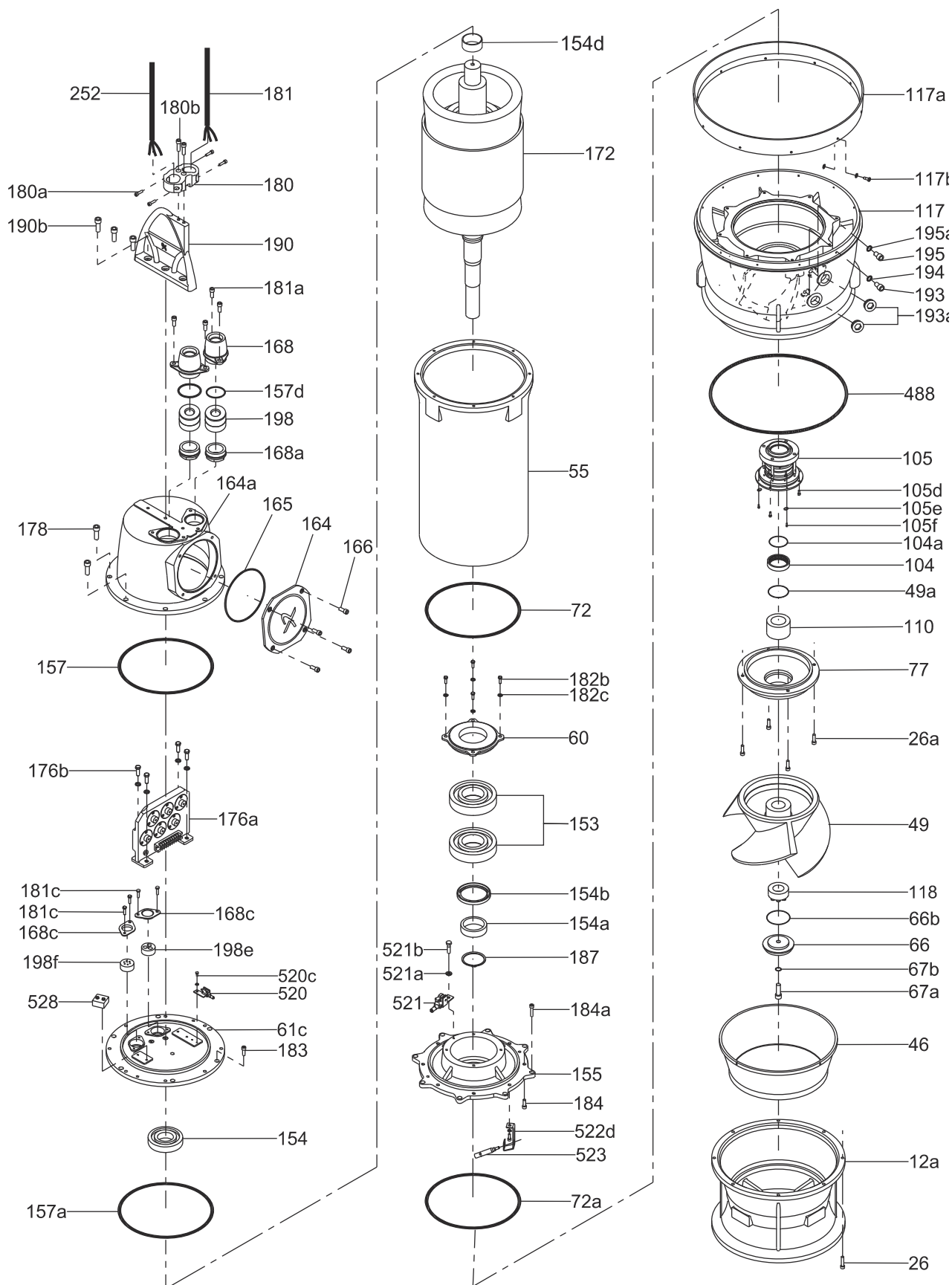
Pos.	Cable dia.	32	34	42	45	50
Description/Kit No.		98843271	98843272	98843273	98843274	98843275
198	Rubber seal	2	2	2	2	2
	Washer	2	2	2	2	2

Cartridge Shaft seal kit

Pos.	Description/Kit No.	98843292
105	Mechanical seal unit	1
-	Cartridge unit	1

Discharge casing protector

Pos.	Description/Kit No.	98843346
117c	Discharge casing protector	6
117d	Socket screw	6



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O-ring

Pos.	Description/Kit No.	98843431	
157d	O-ring	Ø3.5 x Ø85	1
157e	O-ring	Ø3.5 x Ø70	1
165	O-ring	Ø5.7 x Ø220	1
157	O-ring	Ø5.7 x Ø363	1
157a	O-ring	Ø5.7 x Ø384	1
72	O-ring	Ø5.7 x Ø340	1
105b	O-ring	Ø3.5 x Ø85	1
105c	O-ring	Ø3.5 x Ø139	1
106a	O-ring	Ø3.5 x Ø55	1
104a	O-ring	Ø3.5 x Ø70	1
49a	O-ring	Ø3.5 x Ø70	1
110a	O-ring*	Ø3.5 x Ø70	1
72a	O-ring	Ø5.7 x Ø335	1
195a	O-ring	Ø3.1 x Ø16	1
194	O-ring	Ø3.1 x Ø16	1
488	O-ring	Ø8.4 x Ø470	1
66b	O-ring	Ø3.5 x Ø74	1
67b	O-ring	Ø2.4 x Ø16	1
154b	Lip seal	TC-9012012	1

* O-ring is needed only M type pump

O-ring for oil plugs

Pos.	Description/Kit No.	98843383	
195a	O-ring	Ø3.1 x Ø16	1
194	O-ring	Ø3.1 x Ø16	1

Power Lock

Pos.	Description/Kit No.	98843307	
118	Power Lock		1

Sensor Cable

Pos.	Length	10 m	15 m	20 m
Description		Cable		
252	8 x 2.5 mm ²	23	98843218 98843240	98843262
	11 x 2.5 mm ²	23	98843219 98843241	98843263

a. Without terminated ends

b. Without cable bush

Sensor Cable bush

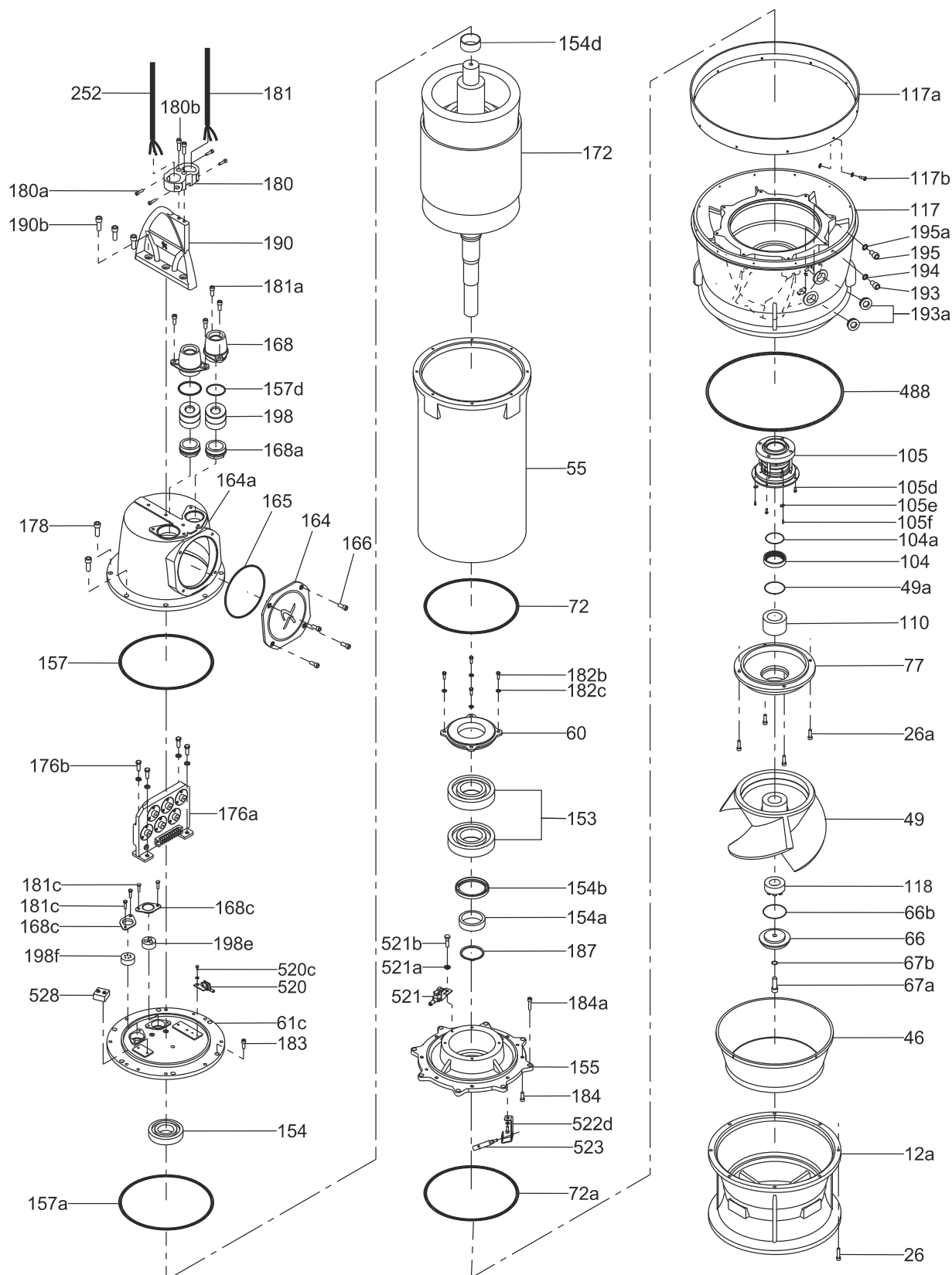
Pos.	Description/Kit No.	98843287	
250b	Rubber seal		2
	Washer		2

Turbulence Optimizer

Pos.	Description/Kit No.	98843323	
117a	Turbulence Optimizer		1
	Socket screw		10
117b	Washer		20

Wear ring

Pos.	Description	Pressure	M	H
Kit No.		98843367	98843368	
46	wear ring	1		1
46a	Screw	4		4



KWM 700

Bearing

Pos.	Range	Poles	Power		
		4	75 kW	90~110 kW	
		6	37~55 kW	75~90 kW	
		8	37 kW	45~55 kW	75 kW
	Description/Kit No.	98843490	98843491	98843492	
154	Upper bearing	1	1	1	
153	Lower bearing	1	1	1	
	Lower bearing 2nd	1	1	1	
154b	Lip seal	1	1	1	
187	Circlip	1	1	1	
154a	Sleev	1	1	1	
-	Set screw	2	2	2	

Cable

Pos.	Length			10 m	15 m	20 m
	Description	Cable dia.	Voltage			
181	3 x 25 + 1 x 16 + 4 x 1.5 mm ²	32	0.6/1 kV	98843205	98843227	98843249
	3 x 35 + 1 x 25 + 4 x 1.5 mm ²	32	0.6/1 kV	98843206	98843228	98843250
	3 x 50 + 1 x 35 + 4 x 1.5 mm ²	45	0.6/1 kV	98843207	98843229	98843251
	4 x 70 mm ²	50	0.6/1 kV	98843208	98843230	98843252
	6 x 16 + 1 x 10 + 6 x 1.5 mm ²	34	0.6/1 kV	98843190	98843222	98843244
	6 x 25 + 1 x 16 + 6 x 1.5 mm ²	42	0.6/1 kV	98843201	98843223	98843245
	6 x 35 + 1 x 25 + 6 x 1.5 mm ²	45	0.6/1 kV	98843202	98843224	98843246

a. Without terminated ends

b. Without cable bush

Cable bush

Pos.	Cable dia.	32	34	42	45	50
	Description/Kit No.	98843271	98843272	98843273	98843274	98843275
198	Rubber seal	2	2	2	2	2
	Washer	2	2	2	2	2

Cartridge Shaft seal kit

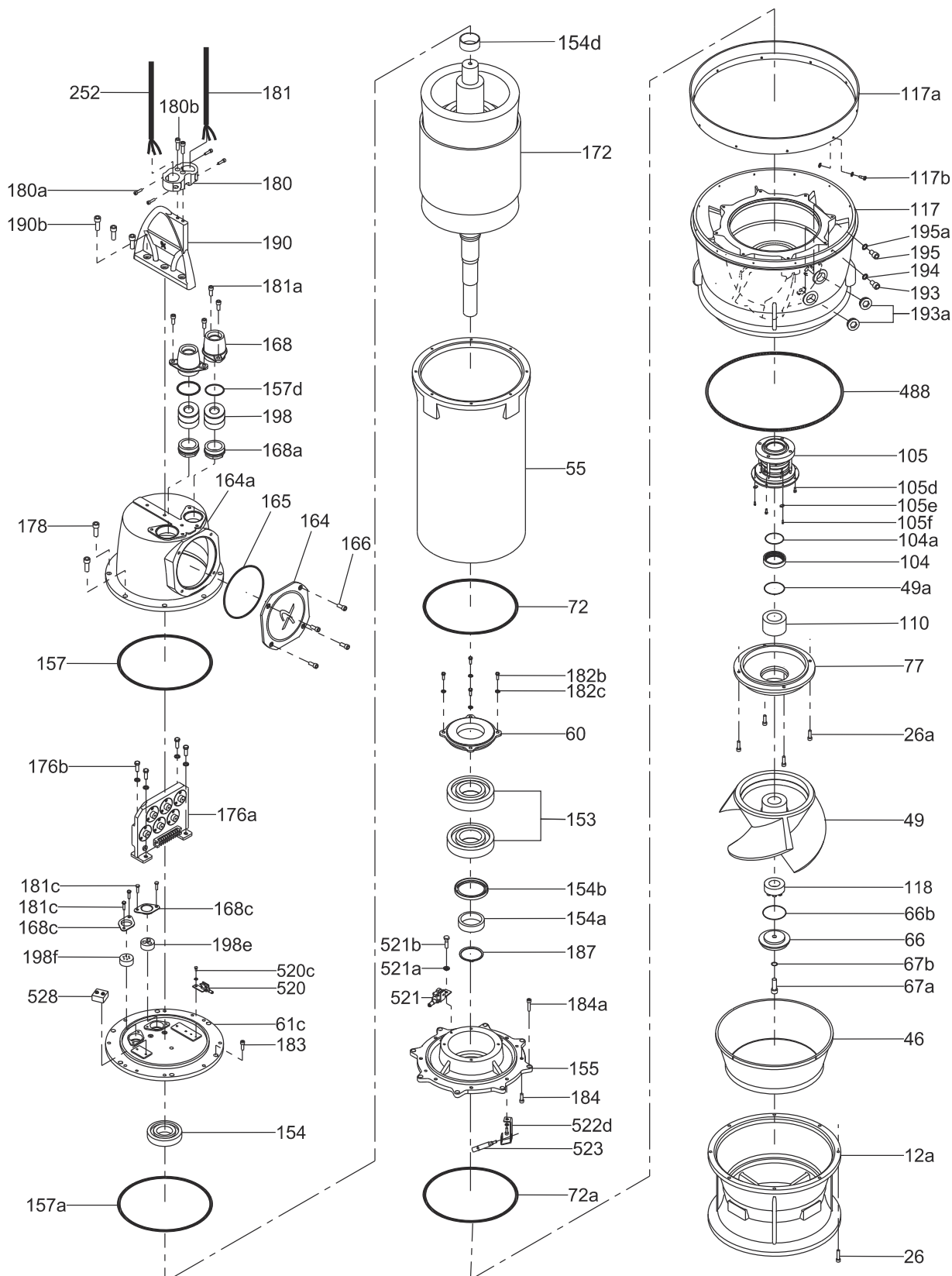
Pos.	Range	Poles	Power	
		4	75 kW	90~110 kW
		6	37~55 kW	75~90 kW
		8	37~55 kW	75 kW
	Description/Kit No.	98843292	98843293	
105	Mechanical seal unit	1	1	
-	Cartridge unit	1	1	

Discharge casing protector

Pos.	Description/Kit No.	98843347
117c	Discharge casing protector	6
117d	Socket screw	6

Non return valve

Pos.	Description/Kit No.	98843385
196	Non return valve	1
	Nipple	1



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O-ring

Pos.	Range	Poles		Power	
		4	75 kW	90~110 kW	
		6	37~55 kW	75~90 kW	
		8	37 kW	45~55 kW	
Description/Kit No.		98843432	98843433	98843434	
157d	O-ring	Ø3.5 x Ø85	1	1	1
157e	O-ring	Ø3.5 x Ø70	1	1	1
165	O-ring	Ø5.7 x Ø220	1	1	1
157	O-ring	Ø5.7 x Ø363	1	1	1
157a	O-ring	Ø5.7 x Ø384	1		
		Ø5.7 x Ø414		1	1
72	O-ring	Ø5.7 x Ø370	1	1	1
105b	O-ring	Ø3.5 x Ø85	1	1	
		Ø3.5 x Ø100			1
105c	O-ring	Ø3.5 x Ø139	1	1	
		Ø5.7 x Ø150			1
106a	O-ring	Ø3.5 x Ø55	1	1	
		Ø3.5 x Ø65			1
104a	O-ring	Ø3.5 x Ø70	1	1	
		Ø3.5 x Ø80			1
49a	O-ring	Ø3.5 x Ø70	1	1	
		Ø3.5 x Ø80			1
110a	O-ring**	Ø3.5 x Ø70	1	1	
		Ø3.5 x Ø80			1
72a	O-ring	Ø5.7 x Ø355	1	1	1
195a	O-ring	Ø3.1 x Ø22	1	1	1
194	O-ring	Ø3.1 x Ø16	1	1	1
488	O-ring	Ø12 x Ø570	1	1	1
66b	O-ring	Ø3.5 x Ø84	1	1	1
67b	O-ring	Ø2.4 x Ø22	1	1	1
154b	Lip seal	TC-9512013	1	1	
		TC-10513514			1

** O-ring is needed only M type pump

O-ring for oil plugs

Pos.	Description/Kit No.	98843384	
195a	O-ring	Ø3.1 x Ø22	1
194	O-ring	Ø3.1 x Ø16	1

Power Lock

Pos.	Range	Poles	Power	
		4	75 kW	90~110 kW
		6	37~55 kW	75~90 kW
		8	37~55 kW	75 kW
	Description			
Kit No.	98843309		98843310	
118	Power Lock	1	1	

Sensor Cable

Pos	Length	10 m	15 m	20 m
Description Cable dia.				
252	8 x 2.5 mm ²	23	98843218 98843240	98843262
	11 x 2.5 mm ²	23	98843219 98843241	98843263

a. Without terminated ends

b. Without cable bush

Sensor Cable bush

Pos.	Description/Kit No.	98843287
250b	Rubber seal	2
	Washer	2

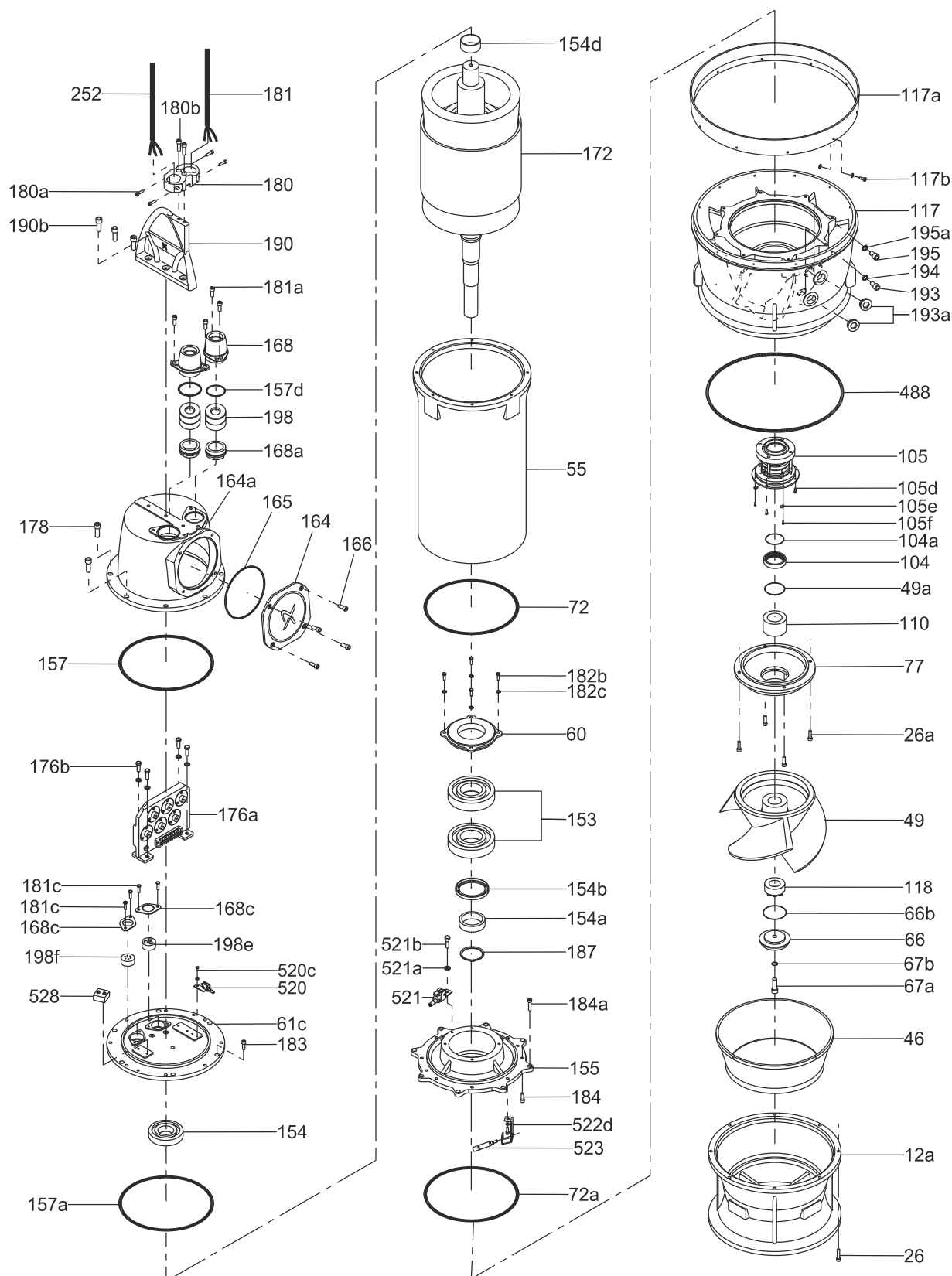
Turbulence Optimizer

Pos.	Description/Kit No.	98843325
117a	Turbulence Optimizer	1
117b	Socket screw	10
	Washer	20

Wear ring

Pos.	Description	Pressure	M ₁	M ₂	H
Kit No.		98843369	98843370	98843371	
46	wear ring	1	1	1	
46a	Screw	4	4	4	

M₁ = impeller dia.455~445M₂ = impeller dia.435~410



TM06 0239 3814

KWM 800

Bearing

Pos.	Range	Poles	Power	
		6	90~110 kW	132~160 kW
		8	75~90 kW	110 kW
Description/Kit No.		98843493	98843494	
154	Upper bearing	1	1	
154d	Sleeve		1	
153	Lower bearing	2	2	
153a	Lower bearing 2nd	1	1	
154b	Lip seal		1	
270	Bearing NJt	1	1	
271	Bearing washer	1	1	

Cable

Pos.	Length		10 m	15 m	20 m	
	Description	Cable dia.	Voltage			
181	3 x 35 + 1 x 25 + 4 x 1.5 mm ²	32	0.6/1 kV	98843206	98843228	98843250
	3 x 50 + 1 x 35 + 4 x 1.5 mm ²	45	0.6/1 kV	98843207	98843229	98843251
	4 x 70 mm ²	50	0.6/1 kV	98843208	98843230	98843252
	4 x 95 mm ²	56	0.6/1 kV	98843209	98843231	98843253
	4 x 120 mm ²	65	0.6/1 kV	98843210	98843232	98843254
	6 x 25 + 1 x 16 + 6 x 1.5 mm ²	42	0.6/1 kV	98843201	98843223	98843245
	6 x 35 + 1 x 25 + 6 x 1.5 mm ²	45	0.6/1 kV	98843202	98843224	98843246
	4 x 35 mm ²	50	3.3 kV	98843211	98843233	98843255
	4 x 35 mm ²	65	6.6 kV	98843215	98843237	98843259

a. Without terminated ends

b. Without cable bush

Cable bush (90~110 kW 6P, 75~90 kW 8P)

Pos.	Cable dia.	32	42	45	50
	Description/Kit No.	98843271	98843273	98843274	98843275
198	Rubber seal	2	2	2	2
	Washer	2	2	2	2

Cable bush (0.6/1 kV 132~160 kW 6P, 110 kW 8P)

Pos.	Cable dia.	45	50	56	65
	Description/Kit No.	98843279	98843280	98843281	98843284
198	Rubber seal	2	2	2	2
	Washer	2	2	2	2

Cable bush (over 3.3 kV)

Pos.	Cable dia.	50	65
	Description/Kit No.	98843282	98843284
198	Rubber seal	2	2
	Washer	2	2

Cartridge Shaft seal kit

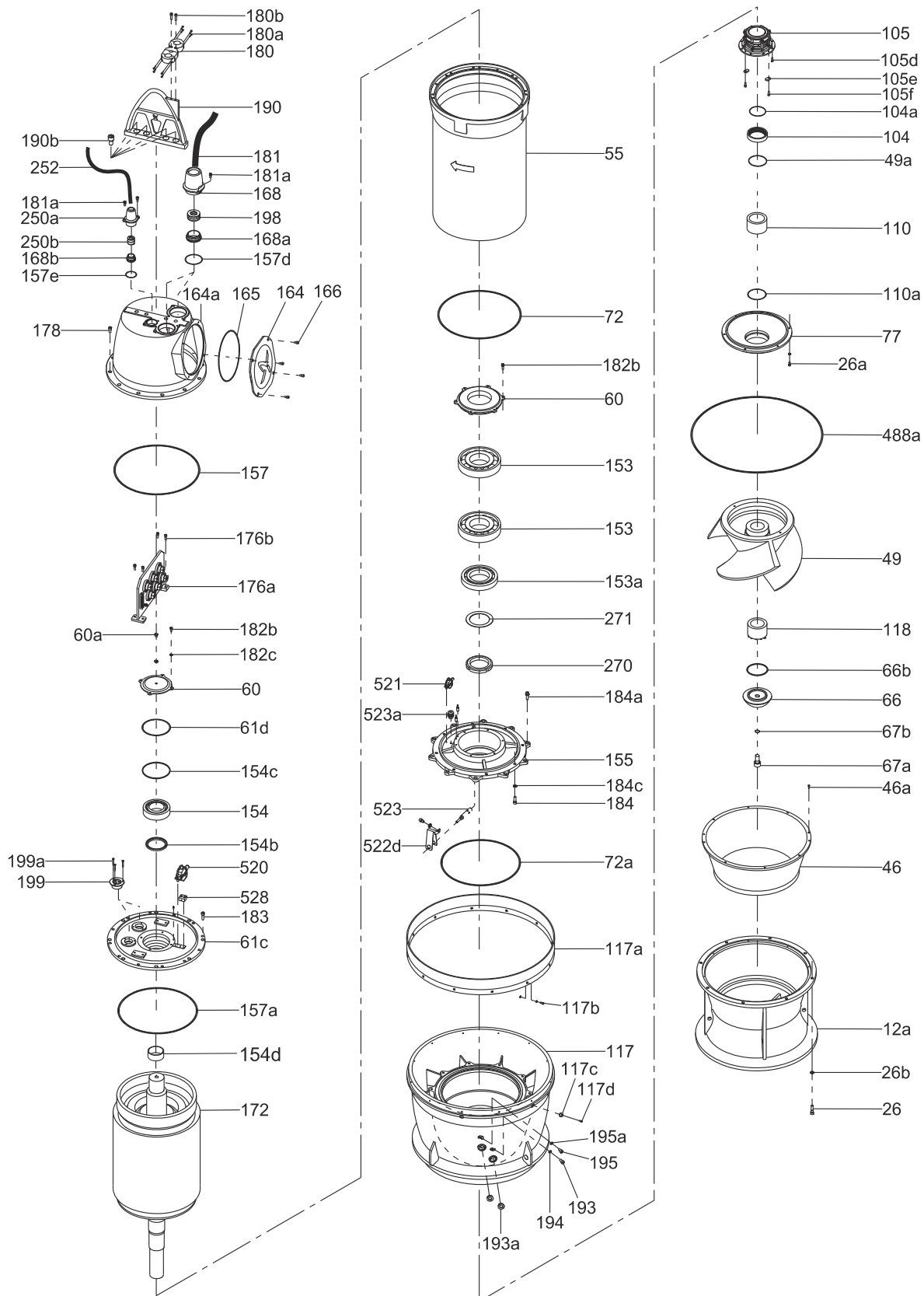
Pos.	Range	Poles	Power	
		6	90~110 kW	132~160 kW
		8	75~90 kW	110 kW
	Description			
	Kit No.	98843293	98843294	
105	Mechanical seal unit	1	1	
-	Cartridge unit	1	1	

Discharge casing protector

Pos.	Description/Kit No.	98843348
117c	Discharge casing protector	6
117d	Socket screw	6

Non return valve

Pos.	Description/Kit No.	98843385
196	Non return valve	1
	Nipple	1



TM06 0240 38/14

O-ring

Pos.	Range	Poles	Power	
		6	90~110 kW	132~160 kW
		8	75~90 kW	110 kW
	Description/ Kit No.		98843435	98843436
157d	O-ring*	Ø3.5 x Ø85	1	
		Ø3.5 x Ø130		2
157e	O-ring	Ø3.5 x Ø70	1	
		Ø3.5 x Ø80		1
165	O-ring	Ø5.7 x Ø220	1	
		Ø5.7 x Ø280		1
157	O-ring	Ø5.7 x Ø363	1	
		Ø8.4 x Ø488		1
61d	O-ring	Ø5.7 x Ø160		1
154c	O-ring	Ø5.7 x Ø160		1
157a	O-ring	Ø5.7 x Ø414	1	
	O-ring	Ø5.7 x Ø527		1
72	O-ring	Ø5.7 x Ø480	1	1
105b	O-ring	Ø3.5 x Ø100	1	
		Ø3.5 x Ø120		1
105c	O-ring	Ø5.7 x Ø150	1	
		Ø5.7 x Ø175		1
106a	O-ring	Ø3.5 x Ø65	1	
		Ø3.5 x Ø75		1
104a	O-ring	Ø3.5 x Ø80	1	
		Ø3.5 x Ø90		1
49a	O-ring	Ø3.5 x Ø80	1	
		Ø3.5 x Ø90		1
110a	O-ring**	Ø3.5 x Ø80	1	
		Ø3.5 x Ø90		1
72a	O-ring	Ø8.4 x Ø480	1	1
194	O-ring	Ø3.1 x Ø22	1	1
194a	O-ring	Ø3.1x Ø16	1	1
488	O-ring	Ø12 x Ø670	1	1
66b	O-ring	Ø3.5 x Ø104	1	1
67c	O-ring	Ø2.4 x Ø22	1	1
154b	Lip seal	TC-12014011		1

* O-ring may be more supply.

** O-ring is needed only m type pump

O-ring for oil plugs

Pos.	Description/Kit No.	98843384	
195a	O-ring	Ø3.1 x Ø22	1
194	O-ring	Ø3.1 x Ø16	1

Power Lock

Pos.	Range	Poles	Power	
		6	90~110 kW	132~160 kW
		8	75~90 kW	110 kW
	Description/Kit No.	98843310		98843311
118	Power Lock	1		1

Sensor Cable

Pos.	Length		10 m	15 m	20 m
	Description	Cable dia.			
252	8 x 2.5 mm ²	23	98843218	98843240	98843262
	11 x 2.5 mm ²	23	98843219	98843241	98843263

a. Without terminated ends

b. Without cable bush

Sensor Cable bush

Pos.	Description/Kit No.	98843287
250b	Rubber seal	2
	Washer	2

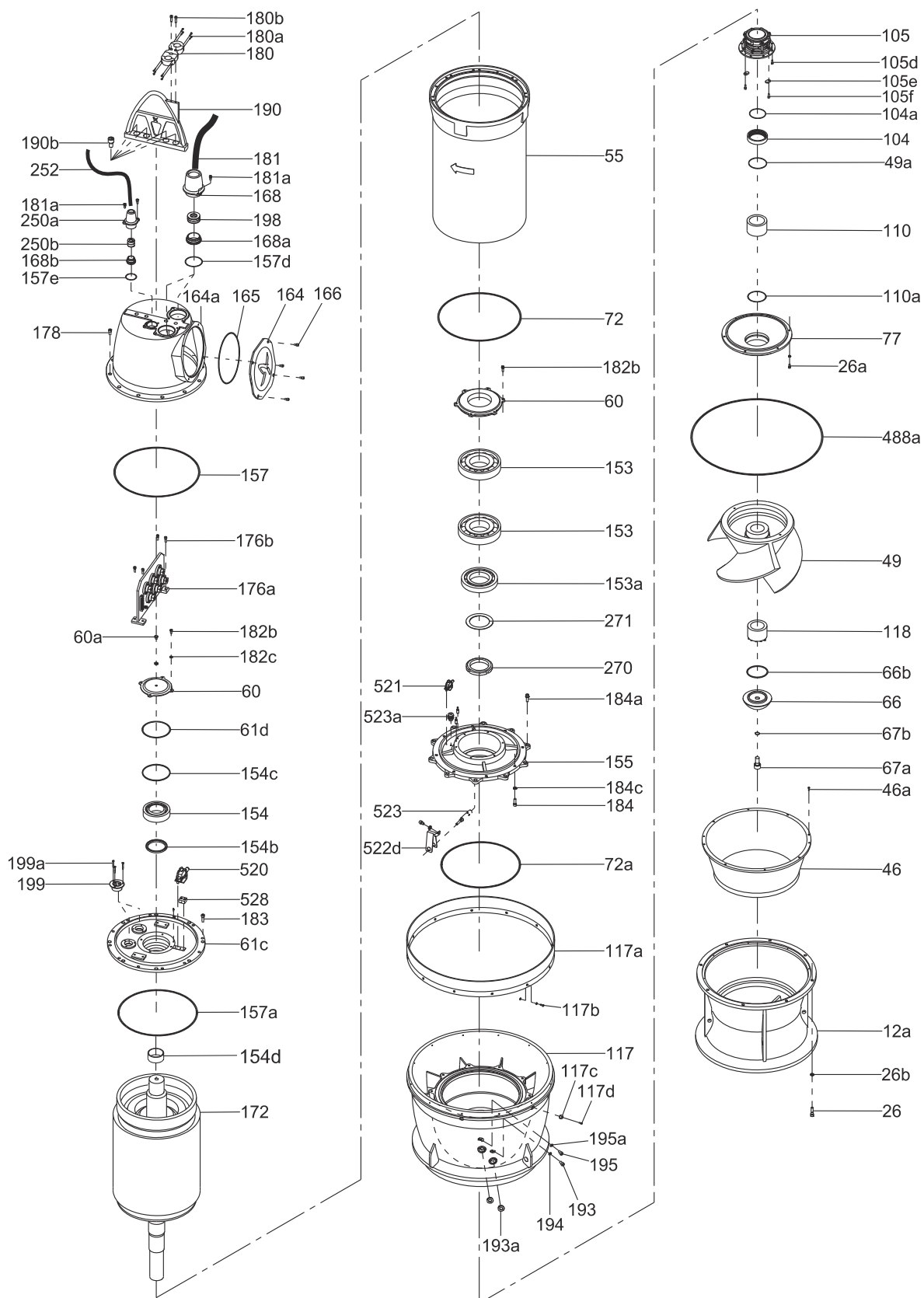
Turbulence Optimizer

Pos.	Description/Kit No.	98843326
117a	Turbulence Optimizer	1
117b	Socket screw	12
	Washer	24

Wear ring

Pos.	Description Kit No.	Pressure	M ₁ 98843372	M ₂ 98843373	H 98843374
46	wear ring		1	1	1
46a	Screw		4	4	4

M₁ = impeller dia.510~490M₂ = impeller dia. 475~465



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KWM 900

Bearing

Pos.	Range	Poles		Power	
		6	132~160 kW	200~250 kW	
		8	110~160 kW	200~220 kW	
	Description/Kit No.	98843495		98843496	
154	Upper bearing	1		1	
154d	Sleeve	1		1	
153	Lower bearing	2		2	
153a	Lower bearing 2nd	1		1	
154b	Lip seal	1		1	
270	Bearing nut	1		1	
271	Bearing washer	1		1	

Cable

Pos.	Length			10 m	15 m	20 m
	Description	Cable dia.	Voltage			
181	3 x 50 + 1 x 35 + 4 x 1.5 mm ²	45	0.6/1 kV	98843207	98843229	98843251
	4 x 70 mm ²	50	0.6/1 kV	98843208	98843230	98843252
	4 x 95 mm ²	56	0.6/1 kV	98843209	98843231	98843253
	4 x 120 mm ²	65	0.6/1 kV	98843210	98843232	98843254
	6 x 35 + 1 x 25 + 6 x 1.5 mm ²	45	0.6/1 kV	98843202	98843224	98843246
	4 x 35 mm ²	50	3.3 kV	98843211	98843233	98843255
	4 x 35 mm ²	65	6.6 kV	98843215	98843237	98843259

a. Without terminated ends

b. Without cable bush

Cable bush (0.6/1 kV)

Pos.	Cable dia.	45	50	56	65
	Description/Kit No.	98843279	98843280	98843281	98843284
198	Rubber seal	2	2	2	2
	Washer	2	2	2	2

Cable bush (over 3.3 kV)

Pos.	Cable dia.	50	65
	Description/Kit No.	98843282	98843284
198	Rubber seal	2	2
	Washer	2	2

Cartridge Shaft seal kit

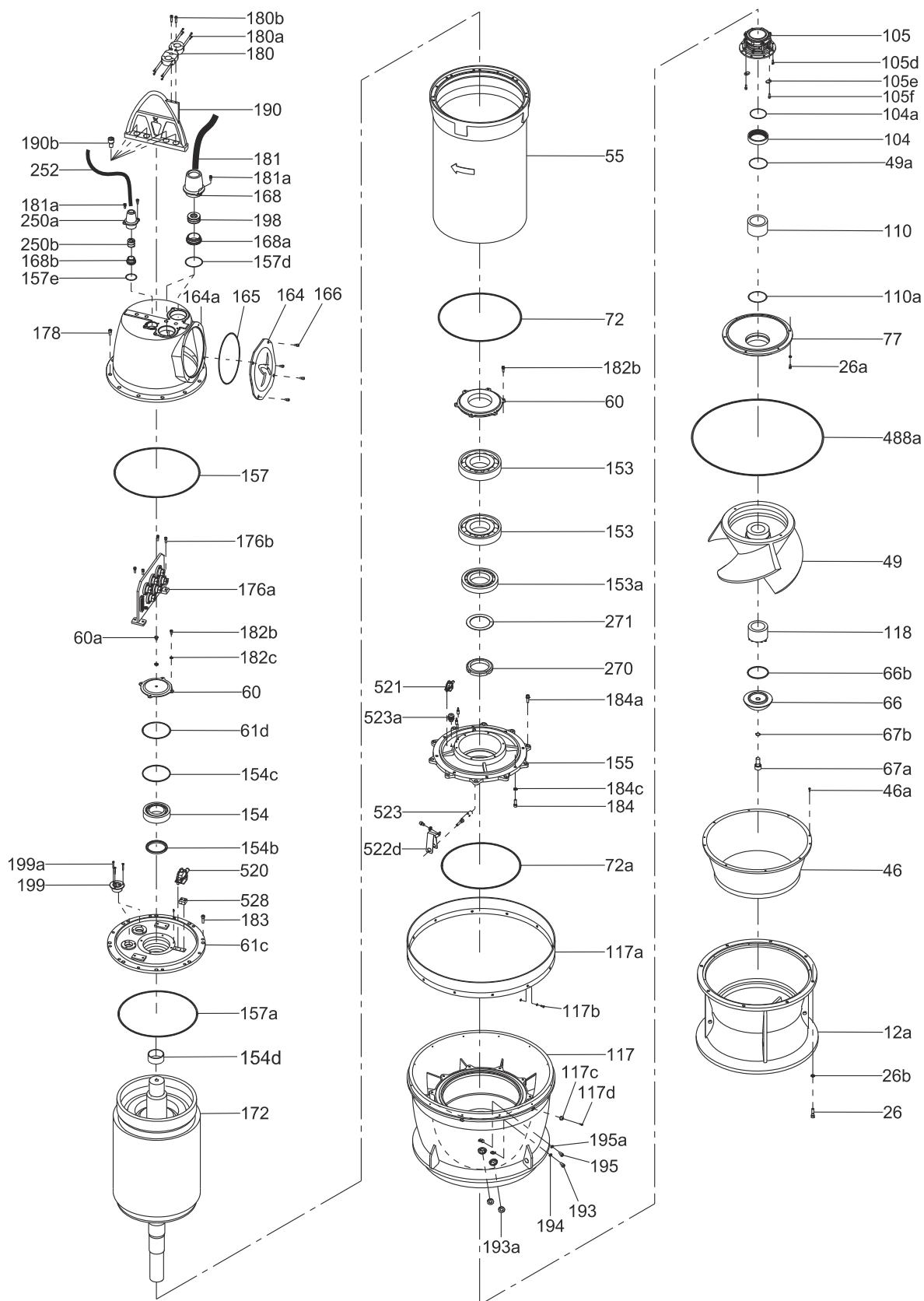
Pos.	Range	Poles		Power	
		6	132~160 kW	200~250 kW	
		8	110~160 kW	200~220 kW	
	Description/Kit No.	98843294		98843295	
105	Mechanical seal unit	1		1	
-	Cartridge unit	1		1	

Discharge casing protector

Pos.	Description/Kit No.	98843349
117c	Discharge casing protector	6
117d	Socket screw	6

Non return valve

Pos.	Description/Kit No.	98843385
196	Non return valve	1
	Nipple	1



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O-ring

Pos.	Range	Poles			
		6	132~160 kW		200~250 kW
		8	110 kW	132~160 kW	200~220 kW
Description/Kit No.		98843437	98843438	98843439	
157d	O-ring *	Ø3.5 x Ø130	2	2	2
157e	O-ring	Ø3.5 x Ø80	1	1	1
165	O-ring	Ø5.7 x Ø280	1	1	1
157	O-ring	Ø8.4 x Ø488	1		
		Ø8.4 x Ø508		1	1
61d	O-ring	Ø5.7 x Ø160	1	1	1
154c	O-ring	Ø5.7 x Ø160	1	1	1
157a	O-ring	Ø8.4 x Ø527	1		
		Ø8.4 x Ø552		1	1
72	O-ring	Ø8.4 x Ø505	1	1	1
105b	O-ring	Ø3.5 x Ø120	1	1	1
105c	O-ring	Ø5.7 x Ø175	1	1	1
106a	O-ring	Ø3.5 x Ø75	1	1	
		Ø3.5 x Ø85			1
104a	O-ring	Ø3.5 x Ø90	1	1	
		Ø3.5 x Ø100			1
49a	O-ring	Ø3.5 x Ø90	1	1	
		Ø3.5 x Ø100			1
110a	O-ring	Ø3.5 x Ø90	1	1	
		Ø3.5 x Ø100			1
72a	O-ring	Ø8.4 x Ø480	1	1	1
195a	O-ring	Ø3.1 x Ø22	1	1	1
194	O-ring	Ø3.1 x Ø16	1	1	1
488	O-ring	Ø12 x Ø770	1	1	1
66c	O-ring	Ø3.5 x Ø114	1	1	1
67c	O-ring	Ø3.1 x Ø30	1	1	1
154b	Lip seal	TC-12014011	1	1	1

* O-ring may be more supply.

O-ring for oil plugs

Pos.	Description/Kit No.	98843384
195a	O-ring Ø3.1 x Ø22	1
194	O-ring Ø3.1 x Ø16	1

Power Lock

Pos.	Range	Poles	Power	
		6	132~160 kW	200~250 kW
		8	110~160 kW	200~220 kW
	Description/Kit No.		98843311	98843313
118	Power Lock	1	1	

Sensor Cable

Pos.	Length		10 m	15 m	20 m
	Description	Cable dia.			
252	8 x 2.5 mm ²	23	98843218	98843240	98843262
	11 x 2.5 mm ²	23	98843219	98843241	98843263

a. Without terminated ends

b. Without cable bush

Sensor Cable bush

Pos.	Description/Kit No.	98843287
250b	Rubber seal	2
	Washer	2

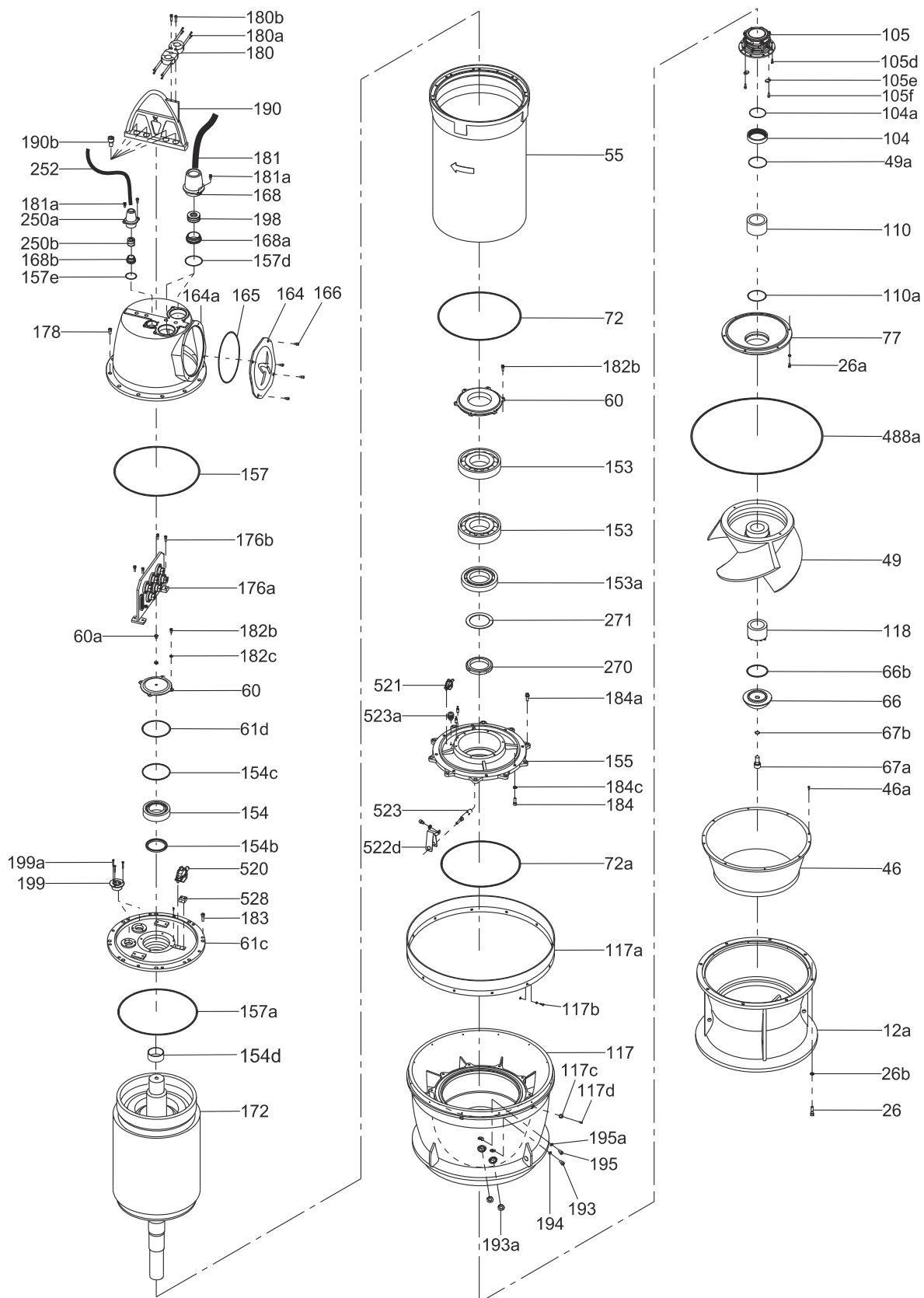
Turbulence Optimizer

Pos.	Description/Kit No.	98843327
117a	Turbulence Optimizer	1
117b	Socket screw	12
	Washer	24

Wear ring

Pos.	Description	Pressure	M ₁	M ₂
	Kit No.		98843375	98843376
46	wear ring		1	1
46a	Screw		4	4

M₁ = impeller dia.560~525M₂ = impeller dia. 520~500



KWM 1000

Bearing

Pos.	Range	Poles		Power	
		6	220~250 kW	300~350 kW	
		8	200 kW	220 kW	250~300 kW
		10	160 kW	200 kW	220~250 kW
	Description/Kit No.		98843497	98843498	98843499
154	Upper bearing	1	1	1	1
154d	Sleeve	1	1	1	1
153	Lower bearing	2	2	2	2
153a	Lower bearing 2nd	1	1	1	1
154b	Lip seal	1	1	1	1
270	Bearing nut	1	1	1	1
271	Bearing washer	1	1	1	1

Cable

Pos.	Length		10 m	15 m	20 m	
	Description	Cable dia.	Voltage			
181	3 x 50 + 1 x 35 + 4 x 1.5 mm ²	45	0.6/1 kV	98843207	98843229	98843251
	4 x 70 mm ²	50	0.6/1 kV	98843208	98843230	98843252
	4 x 95 mm ²	56	0.6/1 kV	98843209	98843231	98843253
	4 x 120 mm ²	65	0.6/1 kV	98843210	98843232	98843254
	6 x 35 + 1 x 25 + 6 x 1.5 mm ²	45	0.6/1 kV	98843202	98843224	98843246
	4 x 35 mm ²	50	3.3 kV	98843211	98843233	98843255
	4 x 35 mm ²	65	6.6 kV	98843215	98843237	98843259

a. Without terminated ends

b. Without cable bush

Cable bush (0.6/1 kV)

Pos.	Cable dia.	45	50	56	65
Description/Kit No.		98843279	98843280	98843281	98843284
198	Rubber seal	2	2	2	2
	Washer	2	2	2	2

Cable bush (over 3.3 kV)

Pos.	Cable dia.	50	65
Description/Kit No.		98843282	98843284
198	Rubber seal	2	2
	Washer	2	2

Cartridge Shaft seal kit

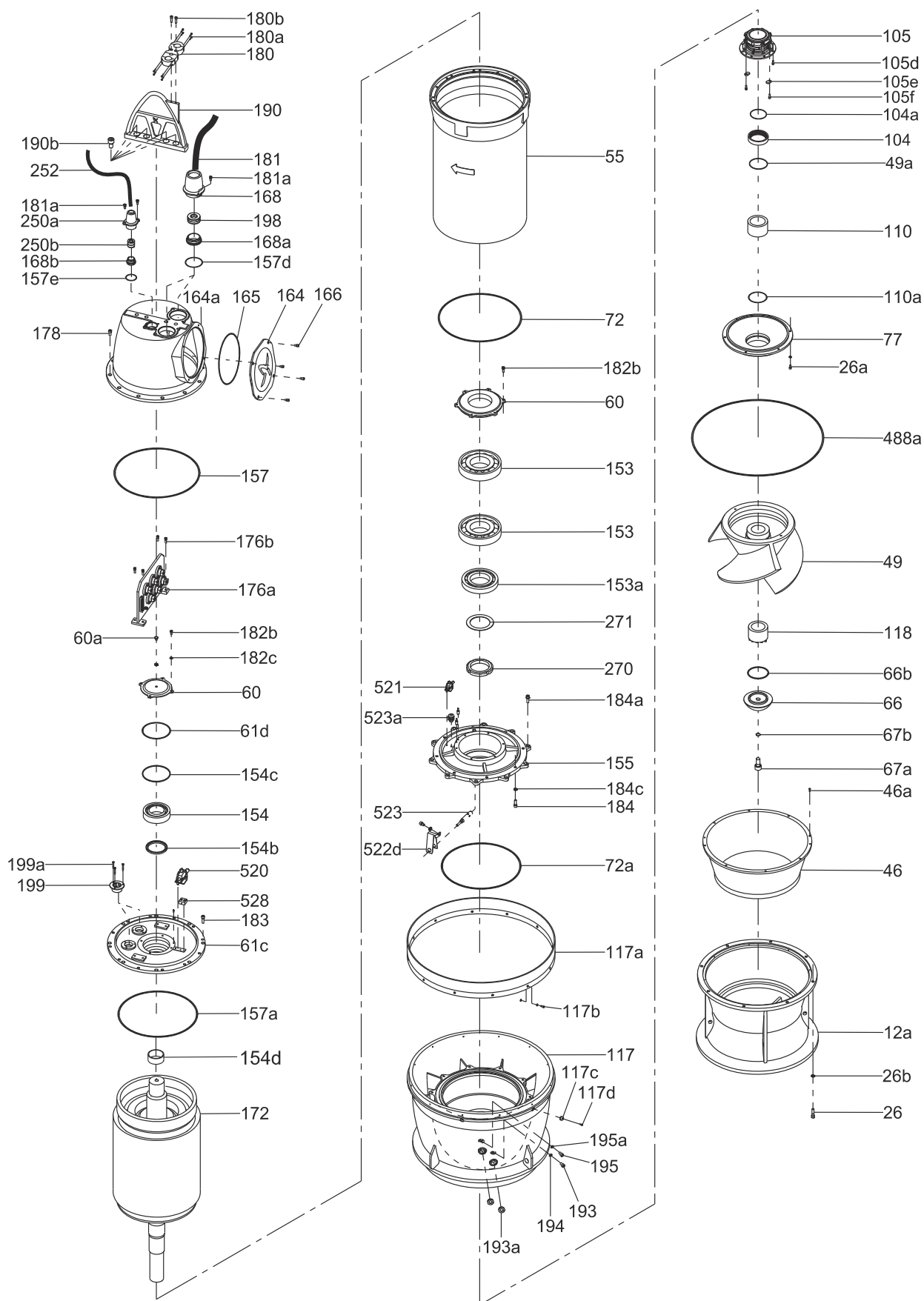
Pos.	Range	Poles	Power	
		6	220~250 kW	300~350 kW
		8	200 kW	220~300 kW
		10	160~200 kW	220~250 kW
Description/Kit No.		98843296	98843297	
105	Mechanical seal unit	1	1	
-	Cartridge unit	1	1	

Discharge casing protector

Pos.	Description/Kit No.	98843350
117c	Discharge casing protector	6
117d	Socket screw	6

Non return valve

Pos.	Description/Kit No.	98843385
196	Non return valve	1
	Nipple	1



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O-ring

Pos.	Range	Poles			
		6	220~250 kW		300~350 kW
		8	200 kW	220 kW	250~300 kW
		10	160~200 kW		220~250 kW
	Description/Kit No.	98843440	98843441	98843442	98843443
157d	O-ring *	Ø3.5 x Ø130	2	2	2
157e	O-ring	Ø3.5 x Ø80	1	1	1
165	O-ring	Ø5.7 x Ø280	1	1	1
157	O-ring	Ø8.4 x Ø508	1	1	
		Ø8.4 x Ø605		1	1
61d	O-ring	Ø5.7 x Ø160	1	1	
		Ø5.7 x Ø180		1	1
154c	O-ring	Ø5.7 x Ø160	1	1	
		Ø5.7 x Ø180		1	1
157a	O-ring	Ø8.4 x Ø552	1	1	
		Ø8.4 x Ø622		1	1
72	O-ring	Ø8.4 x Ø580	1	1	1
105b	O-ring	Ø3.5 x Ø130	1	1	1
105c	O-ring	Ø5.7 x Ø190	1	1	1
106a	O-ring	Ø3.5 x Ø85	1	1	
		Ø3.5 x Ø95		1	1
104a	O-ring	Ø3.5 x Ø100	1	1	
		Ø3.5 x Ø110		1	1
49a	O-ring	Ø3.5 x Ø100	1	1	
		Ø3.5 x Ø110		1	1
110a	O-ring**	Ø3.5 x Ø100	1	1	
		Ø3.5 x Ø110		1	1
72a	O-ring	Ø8.4 x Ø570	1	1	1
195a	O-ring	Ø3.1 x Ø22	1	1	1
194	O-ring	Ø3.1 x Ø16	1	1	1
488	O-ring	Ø12 x Ø860	1	1	1
66c	O-ring	Ø3.5 x Ø124	1	1	1
67c	O-ring	Ø3.1 x Ø40	1	1	1
154b	Lip seal	TC-12014011	1	1	
		TC-13516514		1	1

* O-ring may be more supply.

** O-ring is needed only m type pump.

O-ring for oil plugs

Pos.	Description/Kit No.	98843384
195a	O-ring Ø3.1 x Ø22	1
194	O-ring Ø3.1 x Ø16	1

Power Lock

Pos.	Range	Poles		Power	
		6	220~250 kW	300~350 kW	
		8	200 kW	220~300 kW	
		10	160~200 kW	220~250 kW	
	Description/Kit No.	98843313	98843314		
118	Power Lock	1	1		

Sensor Cable

Pos.	Length	Cable dia.	10 m	15 m	20 m
	Description				
252	8 x 2.5 mm ²	23	98843218	98843240	98843262
	11 x 2.5 mm ²	23	98843219	98843241	98843263

Sensor Cable bush

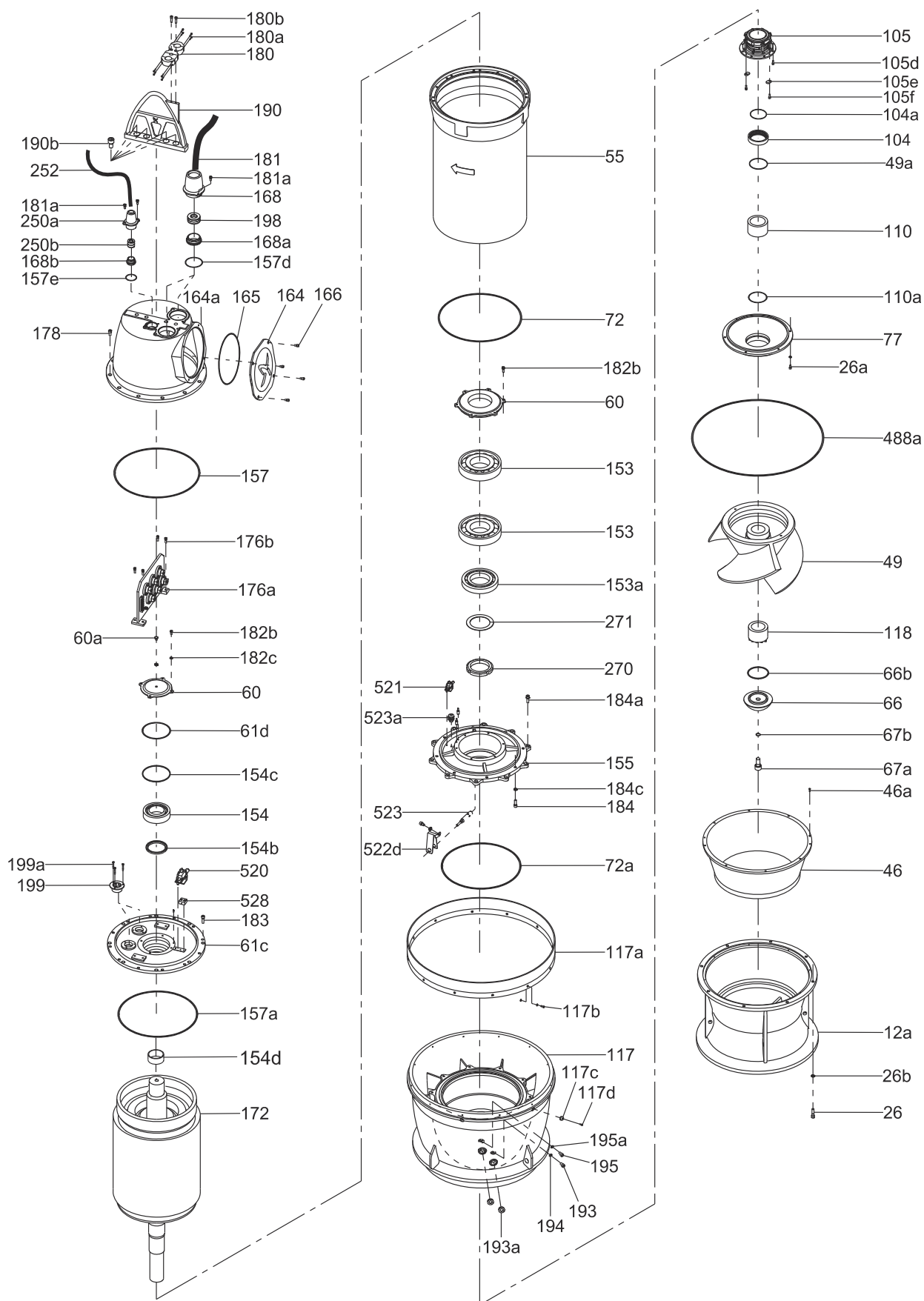
Pos.	Description/Kit No.	98843287
250b	Rubber seal	2
	Washer	2

Turbulence Optimizer

Pos.	Description/Kit No.	98843328
117a	Turbulence Optimizer	1
117b	Socket screw	12
	Washer	24

Wear ring

Pos.	Description	Pressure	M	H
	Kit No.		98843377	98843378
46	wear ring		1	1
46a	Screw		4	4



TM06 0240 3814

KWM 1200

Bearing

Pos.	Range	Poles	Power			
		8	350 kW	400 kW	450~500 kW	550 kW
		10	200~220 kW	250~350 kW	350~400 kW	450~500 kW
		12	200~220 kW	250~300 kW	350 kW	
	Description/Kit No.		98843501	98843502	98843503	98843504
154	Upper bearing	1	1	1	1	1
154d	Sleeve	1	1	1	1	1
153	Lower bearing	2	2	2	2	2
153a	Lower bearing 2nd	1	1	1	1	1
154b	Lip seal	1	1	1	1	1
270	Bearing nut	1	1	1	1	1
271	Bearing washer	1	1	1	1	1

Cable

Pos.	Length		10 m	15 m	20 m
	Description	Out dia.	Voltage		
181	3 x 50 + 1 x 35 + 4 x 1.5 mm ²	45	0.6/1 kV	98843207	98843229
	4 x 70 mm ²	50	0.6/1 kV	98843208	98843230
	4 x 95 mm ²	56	0.6/1 kV	98843209	98843231
	4 x 120 mm ²	65	0.6/1 kV	98843210	98843232
	4 x 35 mm ²	50	3.3 kV	98843211	98843233
	4 x 50 mm ²	56	3.3 kV	98843212	98843234
	4 x 35 mm ²	65	6.6 kV	98843215	98843237

a. Without terminated ends

b. Without cable bush

Cable bush (0.6/1 kV)

Pos.	Cable dia.	45	50	56	65
	Description/Kit No.	98843279	98843280	98843281	98843284
198	Rubber seal	2	2	2	2
	Washer	2	2	2	2

Cable bush (over 3.3 kV)

Pos.	Cable dia.	50	65
	Description/Kit No.	98843282	98843284
198	Rubber seal	2	2
	Washer	2	2

Cartridge Shaft seal kit

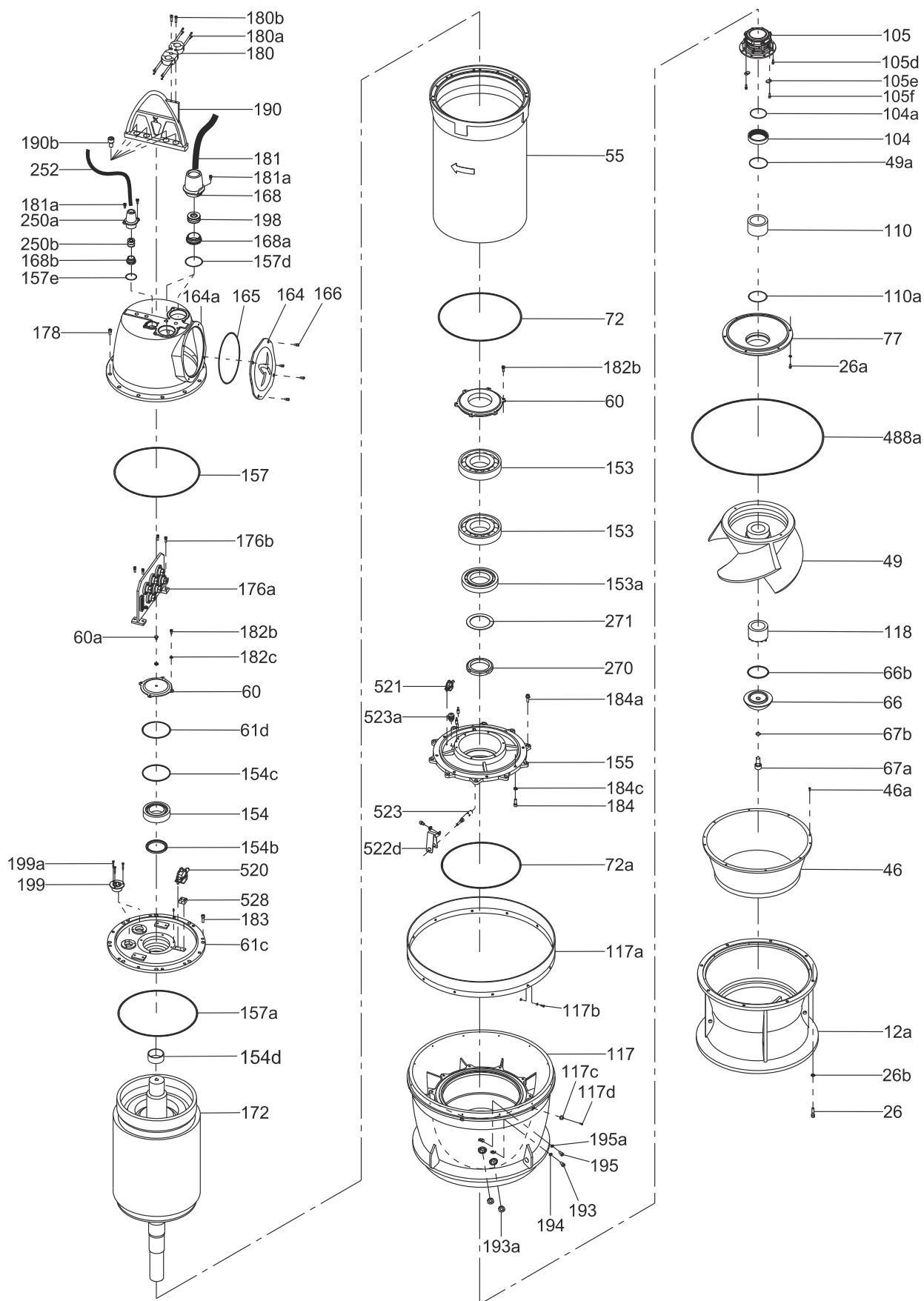
Pos.	Range	Poles	Power			
		8	350 kW	400~500 kW	550 kW	
		10	200~220 kW	250~350 kW	350~500 kW	
		12	200~220 kW	250~300 kW	350 kW	
	Description/Kit No.		98843297	98843298	98843299	98843300
105	Mechanical seal unit	1	1	1	1	1
-	Cartridge unit	1	1	1	1	1

Discharge casing protector

Pos.	Description/Kit No.	98843351
117c	Discharge casing protector	6
117d	Socket screw	6

Non return valve

Pos.	Description/Kit No.	98843385
196	Non return valve	1
	Nipple	1



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O-ring

Pos.	Range	Poles		Power				
		8						
		10	200~220 kW	250 kW	350 kW		400~500 kW	550 kW
		12	200 kW		220 kW	250~300 kW	350 kW	
Description/Kit No.		98843444	98843445	98843446	98843447	98843448	98843449	
157d	O-ring*	Ø3.5 x Ø130	2	2	4	4	4	4
157e	O-ring	Ø3.5 x Ø80	1	1	1	1	1	1
165	O-ring	Ø5.7 x Ø280	1	1	-	-	-	-
		Ø5.7 x Ø400	-	-	1	1	1	1
157	O-ring	Ø8.4 x Ø605	1	1	-	-	-	-
		Ø8.4 x Ø670	-	-	1	1	1	1
61d	O-ring	Ø5.7 x Ø180	1	1	-	-	-	-
		Ø5.7 x Ø215	-	-	1	1	1	1
154c	O-ring	Ø5.7 x Ø180	1	1	1	1	1	1
157a	O-ring	Ø8.4 x Ø622	1	1	-	-	-	-
		Ø8.4 x Ø702	-	-	1	1	1	1
72	O-ring	Ø8.4 x Ø650	1	1	1	1	1	1
105b	O-ring	Ø3.5 x Ø130	1	-	1	-	-	
		Ø5.7 x Ø150	-	1		1	1	
		Ø5.7 x Ø170						1
105c	O-ring	Ø5.7 x Ø190	1	-	1	-	-	
		Ø5.7 x Ø210	-	1		1	1	
		Ø5.7 x Ø230	-					1
106a	O-ring	Ø3.5 x Ø95	1	-	1	-	-	
		Ø3.5 x Ø105	-	1	-	1	-	
		Ø3.5 x Ø115	-	-	-	-	1	
		Ø3.5 x Ø125	-	-	-	-		1
104a	O-ring	Ø3.5 x Ø110	1		1	-	-	
		Ø3.5 x Ø120	-	1	-	1	-	
		Ø3.5 x Ø130	-	-	-	-	1	
		Ø3.5 x Ø140	-	-	-	-		1
49a	O-ring	Ø3.5 x Ø110	1		1	-	-	
		Ø3.5 x Ø120	-	1	-	1	-	
		Ø3.5 x Ø130	-	-	-	-	1	
		Ø3.5 x Ø140	-	-	-	-		1
110a	O-ring	Ø3.5 x Ø110	1		1	-	-	
		Ø3.5 x Ø120	-	1	-	1	-	
		Ø3.5 x Ø130	-	-	-	-	1	
		Ø3.5 x Ø140	-	-	-	-		1
72a	O-ring	Ø8.4 x Ø620	1	1	1	1	1	1
195a	O-ring	Ø3.1 x Ø22	1	1	1	1	1	1
194	O-ring	Ø3.1 x Ø16	1	1	1	1	1	1
488	O-ring	Ø12 x Ø1040	1	1	1	1	1	1
66b	O-ring	Ø5.7 x Ø155	1	1	1	1	1	1
67c	O-ring	Ø3.1 x Ø40	1	1	1	1	1	1
154b	Lip seal	TC-13516514	1	1	1	1	1	1

* O-ring may be more supply.

Power Lock

Pos.	Range	Poles		Power		
		8		350 kW	400~500 kW	550 kW
		10	200~220 kW	250~350 kW	350~500 kW	
		12	200~220 kW	250~300 kW	350 kW	
		Description/Kit No.		98843314	98843315	98843316
118	Power Lock	1	1	1	1	

O-ring for oil plugs

Pos.	Description/Kit No.		98843384
195a	O-ring	Ø3.1 x Ø22	1
194	O-ring	Ø3.1 x Ø16	1

Sensor Cable

Pos.	Length		10 m	15 m	20 m
	Description	Cable dia.			
252	8 x 2.5 mm ²	23	98843218	98843240	98843262
	11 x 2.5 mm ²	23	98843219	98843241	98843263

a. Without terminated ends

b. Without cable bush

Sensor Cable bush

Pos.	Description/Kit No.	98843287
250b	Rubber seal	2
	Washer	2

Turbulence Optimizer

Pos.	Description/Kit No.	98843329
117a	Turbulence Optimizer	1
117b	Socket screw	12
	Washer	24

Wear ring

Pos.	Description	Pressure	M
	Kit No.		98843379
46	wear ring		1
46a	Screw		4