



Franklin Electric

RWK6 | RWK8 | RWK10

6"/8"/10" REWINDABLE SUBMERSIBLE MOTORS





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Franklin Electric reserves the right to amend specification without prior notice.
For the most up-to-date product information, visit franklinwater.eu.

6"/8"/10" REWINDABLE SUBMERSIBLE MOTORS

Cataphoresis coating on all cast components

Enhanced corrosion protection

Chemical treatment of stator weld seams

Increased durability and more robust motor design in harsh environments

Excellent insulation properties thanks to PPC insulated winding wire as standard

Suitable for operation with Variable frequency drives (VFDs)

Reliable operation in ambient conditions up to 50 °C

(except motors approved for ambient temperatures up to 45 °C)

Removable winding covers

for easy repairing and reduced maintenance cost

Maintenance free water lubricated radial and axial bearings

Rubber diaphragm and pressure valve

for pressure balancing



OPTIONS

- Mechanical seal: Silicon carbide
- Starting method: YΔ start
- Keyed shaft (10")

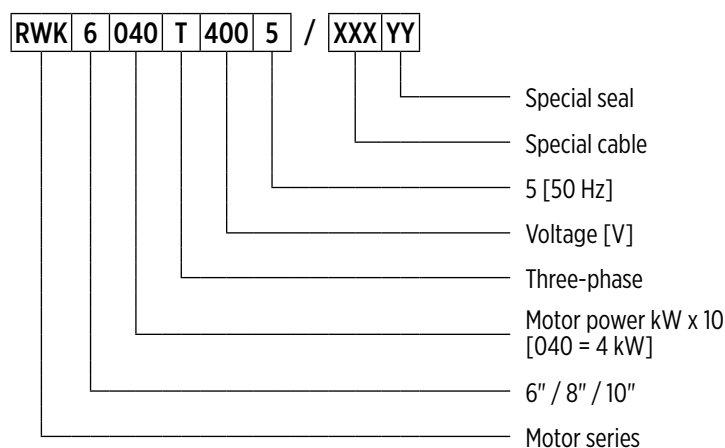


6"/8"/10" REWINDABLE SUBMERSIBLE MOTORS

SPECIFICATIONS

- Motor range:
 - 6": 4 - 45 kW
 - 8": 30 - 110 kW
 - 10": 110 - 185 kW
- 6"/8" NEMA connection
- PPC winding wire
- Standard Voltage: 380 - 415 V / 50 Hz
- Voltage tolerance: $\pm 10\%$
- Motors installation: Operation in horizontal or vertical position
 - 6" all (except 37 kW and 45 kW)
 - 8" all (except 92kW and 110 kW)
- Maximum liquid temperature: 50 °C
- Frequency: 50/60 Hz
- Min. cooling flow:
 - 6": 0.5 m/s
 - 8": 1 m/s
 - 10": 1 m/s
- Frequency of starts/hour:
 - 6": 10
 - 8": 7
 - 10" 5
- Rubber cable length: 6"/8": 4 m, 10": 5 m
- Mechanical seal material: Carbon / Ceramic
- Filled with mixture of water and glycol (FP -15 °C)
- Suitable for VFD operation (Min. frequency: 30 Hz)

MOTOR IDENTIFICATION CODE



00140102 02/2024

RWK6 SUBMERSIBLE MOTORS

RWK6 - MOTOR MODEL NO.

Motor type	Power		Electrical connection	Description	Model no.
	[kW]	[HP]			
RWK 6040 T4005	4	5.5	DOL	6 K CER 5.5HP-4KW 6 380V 50HZ DOL RUB 4M	803061707000791A
			S/D	6 K CER 5.5HP-4KW 6 380V 50HZ S/D RUB 4M	803060107000791A
RWK 6055 T4005	5.5	7.5	DOL	6 K CER 7.5HP-5.5KW 6 380V 50HZ DOL RUB 4M	803071707000791A
			S/D	6 K CER 7.5HP-5.5KW 6 380V 50HZ S/D RUB 4M	803071708000791A
RWK 6075 T4005	7.5	10	DOL	6 K CER 10HP-7.5KW 6 380V 50HZ DOL RUB 4M	803081707000791A
			S/D	6 K CER 10HP-7.5KW 6 380V 50HZ S/D RUB 4M	803080108000791A
RWK 6092 T4005	9.2	12.5	DOL	6 K CER 12.5HP-9.2KW 6 380V 50HZ DOL RUB 4M	803091707000791A
			S/D	6 K CER 12.5HP-9.2KW 6 380V 50HZ S/D RUB 4M	803091708000791A
RWK 6110 T4005	11	15	DOL	6 K CER 15HP-11KW 6 380V 50HZ DOL RUB 4M	803101707000791A
			S/D	6 K CER 15HP-11KW 6 380V 50HZ S/D RUB 4M	803101708000791A
RWK 6130 T4005	13	17.5	DOL	6 K CER 17.5HP-13KW 6 380V 50HZ DOL RUB 4M	803111707000791A
			S/D	6 K CER 17.5HP-13KW 6 380V 50HZ S/D RUB 4M	803111708000591A
RWK 6150 T4005	15	20	DOL	6 K CER 20HP-15KW 6 380V 50HZ DOL RUB 4M	803121707000791A
			S/D	6 K CER 20HP-15KW 6 380V 50HZ S/D RUB 4M	803121708000791A
RWK 6185 T4005	18.5	25	DOL	6 K CER 25HP-18.5KW 6 380V 50HZ DOL RUB 4 M	803131707000791A
			S/D	6 K CER 25HP-18.5KW 6 380V 50HZ S/D RUB 4M	803131708000791A
RWK 6220 T4005	22	30	DOL	6K CER 30HP-22KW 6 380V 50HZ DOL RUB 4M	803141707000791A
			S/D	6K CER 30HP-22KW 6 380V 50HZ S/D RUB 4M	803141708000791A
RWK 6260 T4005	26	35	DOL	6K CER 35HP-26KW 6 380V 50HZ DOL RUB 4M	803151707000791A
			S/D	6 K CER 35HP-26KW 6 380V 50HZ S/D RUB 4M	803151708000791A
RWK 6300 T4005	30	40	DOL	6 K CER 40HP-30KW 6 380V 50HZ DOL RUB 4M	803161707000791A
			S/D	6 K CER 40HP-30KW 6 380V 50HZ S/D RUB 4M	803161708000791A
RWK 6370 T4005	37	50	DOL	6 K CER 50HP-37KW 6 380V 50HZ DOL RUB 4M	803171707000791A
			S/D	6 K CER 50HP-37KW 6 380V 50HZ S/D RUB. 4 M	803171708000791A
RWK 6450 T4005	45	60	DOL	6 K CER 60HP-45KW 6 380V 50HZ DOL RUB 4 M	803181707000791A
			S/D	6 K CER 60HP-45KW 6 380V50HZ S/D RUB 4 M	803181708000791A

RWK6 SUBMERSIBLE MOTORS

RWK6 - MOTOR PERFORMANCE DATA

Motor type	Power		Frequency [Hz]	Voltage [V]	Current range [A]	Efficiency %				Power factor cos φ			η _N [min ⁻¹]
	[kW]	[HP]				100%	50%	75%	100%	50%	75%	100%	
RWK 6040 T4005	4	5.5	50	380	10.8	62.5	66.5	69.3	0.67	0.78	0.83	2900	
				400	10.4	58.7	68	71.4	0.63	0.73	0.8	2914	
				415	10.7	58.4	66.3	69.8	0.59	0.7	0.77	2924	
RWK 6055 T4005	5.5	7.5		380	13.4	69.3	73.3	72.8	0.73	0.81	0.86	2867	
				400	13.2	65.8	69.8	72.2	0.69	0.78	0.84	2878	
				415	13.4	63.9	70.5	71.2	0.63	0.74	0.81	2885	
RWK 6075 T4005	7.5	10		380	17.5	70.7	74	75.9	0.69	0.8	0.84	2864	
				400	17.8	66.9	73.3	73.8	0.64	0.75	0.81	2871	
				415	18	67.6	72.4	74	0.58	0.7	0.77	2878	
RWK 6092 T4005	9.2	12.5		380	22.2	70.9	74.5	75	0.66	0.77	0.84	2873	
				400	22.5	68.1	73.4	74.6	0.61	0.73	0.8	2888	
				415	23	65.1	71.8	73.7	0.56	0.68	0.76	2890	
RWK 6110 T4005	11	15		380	25.7	76.4	77.9	77.4	0.66	0.77	0.84	2863	
				400	25.7	72	75.4	77	0.63	0.75	0.81	2880	
				415	25.7	71.6	76.1	77.1	0.58	0.7	0.78	2891	
RWK 6130 T4005	13	17.5		380	29.4	76.6	78.5	78.5	0.69	0.8	0.85	2870	
				400	29.6	73.2	77.6	78	0.62	0.74	0.81	2882	
				415	29.8	71.6	75.9	77.5	0.57	0.7	0.78	2888	
RWK 6150 T4005	15	20		380	32.8	76.2	79.6	81	0.66	0.78	0.84	2874	
				400	34	72.5	77.2	78.6	0.6	0.73	0.8	2884	
				415	35	70.7	75.9	77.5	0.55	0.67	0.76	2890	
RWK 6185 T4005	18.5	25		380	41.2	78.3	80.2	79.8	0.68	0.79	0.85	2865	
				400	41.7	74.6	78.7	78.9	0.62	0.74	0.81	2875	
				415	42.3	73.2	78.7	78.8	0.56	0.69	0.77	2881	
RWK 6220 T4005	22	30		380	48	79.7	81.6	81.1	0.68	0.8	0.86	2858	
				400	48.3	77.3	80.2	80.4	0.62	0.74	0.82	2868	
				415	49.2	74.7	78.7	80.1	0.57	0.7	0.78	2874	
RWK 6260 T4005	26	35		380	48	79.7	81.6	81.1	0.68	0.8	0.86	2858	
				400	48.3	77.3	80.2	80.4	0.62	0.74	0.82	2868	
				415	49.2	74.7	78.7	80.1	0.57	0.7	0.78	2874	
RWK 6300 T4005	30	40		380	56	79.8	81.6	81.2	0.7	0.81	0.86	2855	
				400	55	79.7	80.8	81.5	0.63	0.76	0.83	2868	
				415	56	75.8	80.3	80.1	0.59	0.72	0.8	2874	
RWK 6370 T4005	37	50		380	65	80.1	81.1	80.7	0.67	0.79	0.85	2848	
				400	65.3	77.6	82.2	80.3	0.61	0.74	0.81	2865	
				415	66.5	76.3	79.2	80.2	0.55	0.69	0.77	2878	
RWK 6450 T4005	45	60		380	95	81.6	83.2	82.1	0.69	0.81	0.86	2850	
				400	94	79.3	82.6	85.3	0.62	0.74	0.82	2961	
				415	95.5	77.8	81.2	81.7	0.57	0.71	0.79	2866	

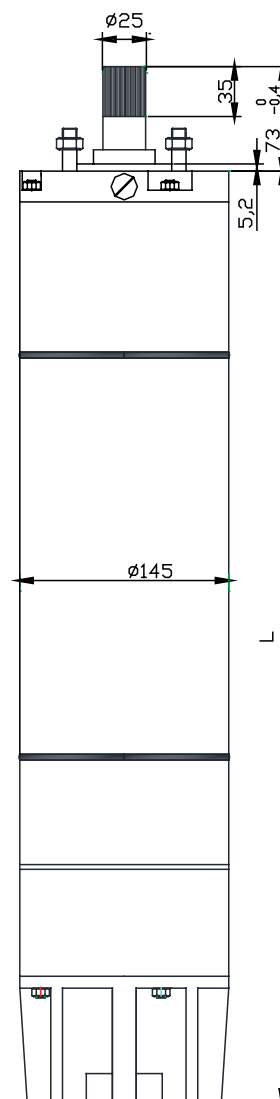
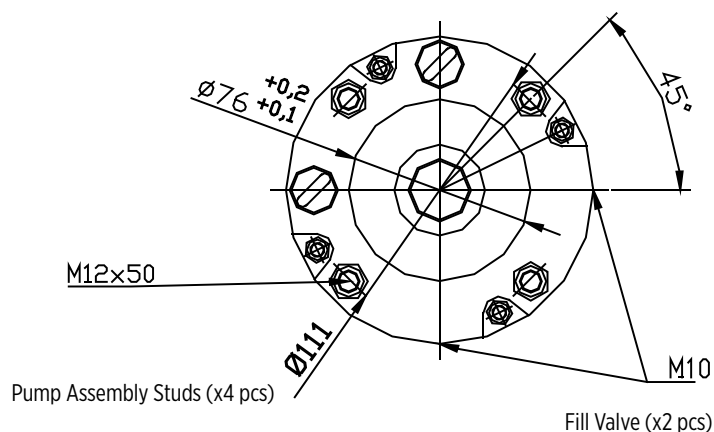
RWK6 SUBMERSIBLE MOTORS

RWK6 - MOTOR LEADS

Motor type	Power		Lead [mm ²]	Lead length [m]
	[kW]	[HP]	380 - 415 V / 50 Hz	
			DOL	
RWK 6040 T4005	4	5.5	4 x 2,5	4
RWK 6055 T4005	5.5	7.5	4 x 2,5	
RWK 6075 T4005	7.5	10	4 x 2,5	
RWK 6092 T4005	9.2	12.5	4 x 2,5	
RWK 6110 T4005	11	15	4 x 2,5	
RWK 6130 T4005	13	17.5	4 x 2,5	
RWK 6150 T4005	15	20	4 x 4	
RWK 6185 T4005	18.5	25	4 x 4	
RWK 6220 T4005	22	30	4 x 4	
RWK 6260 T4005	26	35	4 x 6	
RWK 6300 T4005	30	40	4 x 6	
RWK 6370 T4005	37	50	3 x 10 + ground	
RWK 6450 T4005	45	60	3 x 10 + ground	

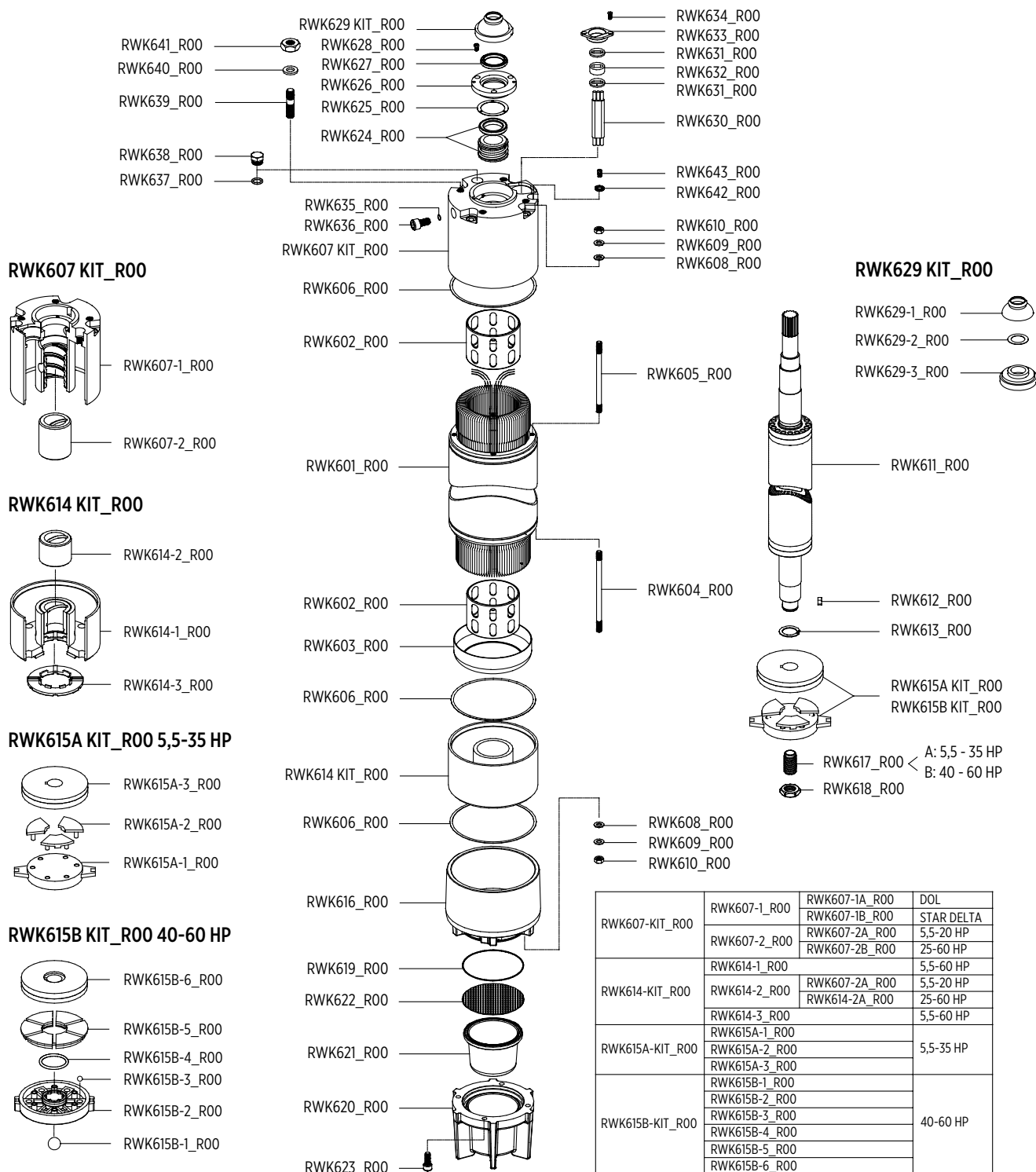
RWK6 - DIMENSIONS AND WEIGHTS

Motor type	Power		Axial thrust [N]	Length [mm]	Weight [kg]
	[kW]	[HP]			
RWK 6040 T4005	4	5.5	26000	630	46
RWK 6055 T4005	5.5	7.5	26000	630	46
RWK 6075 T4005	7.5	10	26000	650	48
RWK 6092 T4005	9.2	12.5	26000	690	50
RWK 6110 T4005	11	15	26000	730	56
RWK 6130 T4005	13	17.5	26000	780	60
RWK 6150 T4005	15	20	26000	830	66
RWK 6185 T4005	18.5	25	26000	880	72
RWK 6220 T4005	22	30	26000	980	82
RWK 6260 T4005	26	35	26000	1030	88
RWK 6300 T4005	30	40	30000	1110	98
RWK 6370 T4005	37	50	30000	1190	106
RWK 6450 T4005	45	60	30000	1270	116



RWK6 SPARE PARTS

RWK6 - MOTOR PARTS | EXPLODED VIEW



RWK607-KIT_R00	RWK607-1_R00	RWK607-1A_R00	DOL
	RWK607-2_R00	RWK607-2A_R00	STAR DELTA
RWK614-KIT_R00	RWK614-1_R00	RWK614-2A_R00	5,5-20 HP
	RWK614-2_R00	RWK614-3_R00	25-60 HP
RWK615A-KIT_R00	RWK615A-1_R00	RWK615A-2_R00	5,5-60 HP
	RWK615A-2_R00	RWK615A-3_R00	5,5-20 HP
RWK615B-KIT_R00	RWK615B-1_R00	RWK615B-2_R00	25-60 HP
	RWK615B-2_R00	RWK615B-3_R00	5,5-60 HP
	RWK615B-3_R00	RWK615B-4_R00	5,5-35 HP
	RWK615B-4_R00	RWK615B-5_R00	40-60 HP
	RWK615B-5_R00	RWK615B-6_R00	
	RWK615B-6_R00		

RWK6 SPARE PARTS

RWK6 - MOTOR PARTS AND MATERIALS

	Part no.	Part description	Material
	RWK601_R00	Stator	Lam. Sheet
	RWK602_R00	End Turn Protector (Internal)	POM
	RWK603_R00	End Turn Protection Cover (External)	POM
	RWK604_R00	Stud (Bottom)	AISI 304
	RWK605_R00	Stud (Top)	AISI 304
	RWK606_R00	Gasket	Klingerite
RWK607 KIT_R00	RWK607 KIT_R00	Top End Bell Kit	-
	RWK607-1A_R00	Top End Bell (DOL)	Cast Iron
	RWK607-1B_R00	Top End Bell (S/D)	Cast Iron
	RWK607-2A_R00	Radial Bearing (5,5-20 HP)	Carbon
	RWK607-2B_R00	Radial Bearing (25-60 HP)	Carbon
	RWK608_R00	Washer	POM
	RWK609_R00	Washer	AISI 304
	RWK610_R00	Nut	AISI 304
	RWK611_R00	Rotor	Lam. Sheet
	RWK612_R00	Key (Thrust Bearing)	Steel
	RWK613_R00	Snap Ring (Thrust Bearing)	Steel
RWK614 KIT_R00	RWK614 KIT_R00	Bottom End Bell Kit	-
	RWK614-1_R00	Bottom End Bell	Cast. Iron
	RWK607-2A_R00	Radial Bearing (5,5-20 HP)	Carbon
	RWK614-2A_R00	Radial Bearing (25-60 HP)	Carbon
	RWK614-3_R00	Upthrust Washer	Polyamide
RWK615A KIT_R00	RWK615A KIT_R00	Thrust Bearing Kit (5,5-35 HP)	-
	RWK615A-1_R00	Leveling Disc	Cast. Iron
	RWK615A-2_R00	Thrust Segment	AISI 420
	RWK615A-3_R00	Thrust Bearing Disc	Carbon
RWK629 KIT_R00	RWK615B KIT_R00	Thrust Bearing Kit (40-60 HP)	-
	RWK615B-1_R00	Thrust Bearing Ball	AISI 304
	RWK615B-2_R00	Thrust Segment Holder	Brass
	RWK615B-3_R00	Thrust Segment Ball	AISI 304
	RWK615B-4_R00	Thrust O'Ring	NBR
	RWK615B-5_R00	Thrust Segment	AISI 420
	RWK615B-6_R00	Thrust Bearing Disc	Carbon
	RWK616_R00	Thrust Housing	Cast Iron
	RWK617_R00	Screw (Shaft Adjusting)	AISI 420
	RWK618_R006	Nut (Shaft Adjusting)	Steel
	RWK619_R00	O'Ring	NBR
	RWK620_R00	Diaphragm Cover	Cast Iron
	RWK621_R00	Diaphragm	NBR
	RWK622_R00	Diaphragm Lid	AISI 430
	RWK623_R00	Diaphragm Cover Screw	AISI 304
	RWK624_R00	Shaft Seal	Carbon / Ceramic
	RWK625_R00	Shaft Seal Washer	Fibre
	RWK626_R00	Seal Cover	AISI 420
	RWK627_R00	Lipseal	NBR
	RWK628_R00	Seal Cover Screw	Steel
RWK629 KIT_R00	RWK629 KIT_R00	Sand Slinger Kit	-
	RWK629-1_R00	Sand Slinger	NBR
	RWK629-2_R00	Sand Slinger Washer	AISI 304
	RWK629-3_R00	Sand Slinger Cover	PPO
	RWK630_R00	Lead	Cable
	RWK631_R00	Lead Spacer	POM
	RWK632_R00	Lead Seal	EPDM
	RWK633_R00	Lead Clamp	AISI 304
	RWK634_R00	Lead Clamp Screw	AISI 304
	RWK635_R00	Filling Plug O'Ring	NBR
	RWK636_R00	Filling Plug	AISI 304
	RWK637_R00	Relief Valve O'Ring	NBR
	RWK638_R00	Relief Valve	Brass
	RWK639_R00	Pump Assembly Studs	AISI 304
	RWK640_R00	Lock Washer	AISI 304
	RWK641_R00	Pump Assembly Nut	AISI 304
	RWK642_R00	Lock Washer for Grounding	AISI 304
	RWK643_R00	Ground Screw	AISI 304

Please specify the horse power (HP) and start-up type when ordering a spare part.

RWK8 SUBMERSIBLE MOTORS

RWK8 - MOTOR MODEL NO.

Motor type	Power		Electrical connection	Description	Model no.
	[kW]	[HP]			
RWK 8300 T4005	30	40	DOL	8 K CER 40HP-30KW 8 380V 50HZ DOL RUB 4M	816050903000591A
RWK 8370 T4005	37	50	DOL	8 K CER 50HP-37KW 8 380V 50HZ DOL RUB 4M	816060903000591A
			S/D	8 K CER 50HP-37KW 8 380V 50HZ S-D RUB 4M	816060904000591A
RWK 8450 T4005	45	60	DOL	8 K CER 60HP-45KW 8 380V 50HZ DOL RUB 4M	816070903000591A
			S/D	8 K CER 60HP-45KW 8 380V 50HZ S-D RUB 4M	816070904000591A
RWK 8520 T4005	52	70	DOL	8 K CER 70HP-52KW 8 380V 50HZ DOL RUB 4M	816080903000591A
			S/D	8 K CER 70HP-52KW 8 380V 50HZ S-D RUB 4M	816080904000591A
RWK 8550 T4005	55	75	DOL	8 K CER 75HP-55KW 8 380V 50HZ DOL RUB 4M	816090903000591A
			S/D	8 K CER 75HP-55KW 8 380V 50HZ S-D RUB 4M	816090904000591A
RWK 8600 T4005	60	80	DOL	8 K CER 80HP-60KW 8 380V 50HZ DOL RUB 4M	816100903000591A
			S/D	8 K CER 80HP-60KW 8 380V 50HZ S-D RUB 4M	816100904000591A
RWK 8670 T4005	67	90	DOL	8 K CER 90HP-67KW 8 380V 50HZ DOL RUB 4M	816110903000591A
			S/D	8 K CER 90HP-67KW 8 380V 50HZ S-D RUB 4M	816110904000591A
RWK 8750 T4005	75	100	DOL	8 K CER 100HP-75KW 8 380V 50HZ DOL RUB 4M	816120903000591A
			S/D	8 K CER 100HP-75KW 8 380V 50HZ S-D RUB 4M	816120904000591A
RWK 8810 T4005	81	110	DOL	8 K CER 110HP-81KW 8 380V 50HZ DOL RUB 4M	816130903000591A
			S/D	8 K CER 110HP-81KW 8 380V 50HZ S-D RUB 4M	816130904000591A
RWK 8920 T4005	92	125	DOL	8 K CER 125HP-92KW 8 380V 50HZ DOL RUB 4M	816140903000591A
			S/D	8 K CER 125HP-92KW 8 400V 50HZ S-D RUB 4M	816140904000591A
RWK 81100 T4005	110	150	DOL	8 K CER 150HP-110KW 8 380V 50HZ DOL RUB 4M	816150903000591A
			S/D	8 K CER 150HP-110KW 8 400V 50HZ S/D RUB 4M	816150905990591A

RWK8 SUBMERSIBLE MOTORS

RWK8 - MOTOR PERFORMANCE DATA

Motor type	Power		Frequency [Hz]	Voltage [V]	Current range [A]	Efficiency %				Power factor cos φ			η _N [min ⁻¹]
	[kW]	[HP]			100%	50%	75%	100%	50%	75%	100%		
RWK 8300 T4005	30	40	50	380	63	83.6	85.9	82.5	0.81	0.85	0.87	2917	
				400	62	76.7	78.8	80.7	0.79	0.84	0.86	2938	
				415	61	74.7	79.4	79.6	0.76	0.82	0.85	2938	
RWK 8370 T4005	37	50	50	380	79	85.2	84.9	82.7	0.81	0.86	0.87	2903	
				400	74	86	86.2	84.9	0.76	0.83	0.86	2920	
				415	76	78.5	79.9	80.7	0.75	0.82	0.85	2922	
RWK 8450 T4005	45	60	50	380	93.7	82.2	85.2	83.1	0.8	0.85	0.87	2885	
				400	89.5	83	85.5	84	0.75	0.83	0.86	2898	
				415	88.8	82.8	84.4	83.7	0.71	0.8	0.84	2911	
RWK 8520 T4005	52	70	50	380	109.0	85.5	84.8	84.3	0.77	0.84	0.86	2923	
				400	107.0	82.7	83.2	82.9	0.72	0.81	0.85	2939	
				415	105.0	80.4	83.8	84.4	0.67	0.77	0.82	2932	
RWK 8550 T4005	55	75	50	380	117	83.6	86.3	83.9	0.71	0.81	0.85	2922	
				400	111	78.9	82	82.8	0.67	0.77	0.82	2936	
				415	111	77	80.7	83	0.62	0.73	0.79	2945	
RWK 8600 T4005	60	80	50	380	121	85.1	85.2	85.7	0.79	0.85	0.87	2919	
				400	119	81.9	85.3	84.2	0.75	0.82	0.86	2920	
				415	118	82.4	85.3	83.7	0.7	0.79	0.84	2928	
RWK 8670 T4005	67	90	50	380	138	85.7	86.3	85.5	0.75	0.83	0.86	2922	
				400	135	83	85	85.5	0.7	0.8	0.84	2947	
				415	136	80.7	84.7	84	0.66	0.76	0.82	2944	
RWK 8750 T4005	75	100	50	380	150.8	84.1	87.1	85	0.79	0.85	0.88	2884	
				400	146	85	86.1	85.6	0.74	0.82	0.86	2892	
				415	144.5	85.9	86.7	86.2	0.68	0.78	0.83	2900	
RWK 8810 T4005	81	110	50	380	168	86.3	86.8	85.3	0.77	0.84	0.87	2920	
				400	162	85.2	87.2	86	0.71	0.8	0.85	2928	
				415	161	85.8	86.8	86.9	0.66	0.77	0.82	2944	
RWK 8920 T4005	92	125	50	380	188	85.4	86.5	86.4	0.76	0.84	0.87	2932	
				400	185	84.4	85.7	86.4	0.7	0.8	0.84	2933	
				415	185	84.3	86.2	86	0.65	0.76	0.82	2938	
RWK 81100 T4005	110	150	50	380	226	84	85.9	85.1	0.79	0.85	0.88	2924	
				400	219	84.6	85.3	85.6	0.73	0.82	0.86	2928	
				415	218	84.4	85	86.2	0.68	0.79	0.83	2938	

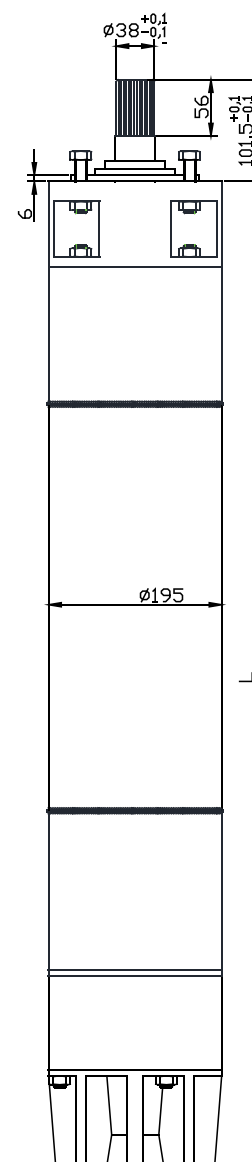
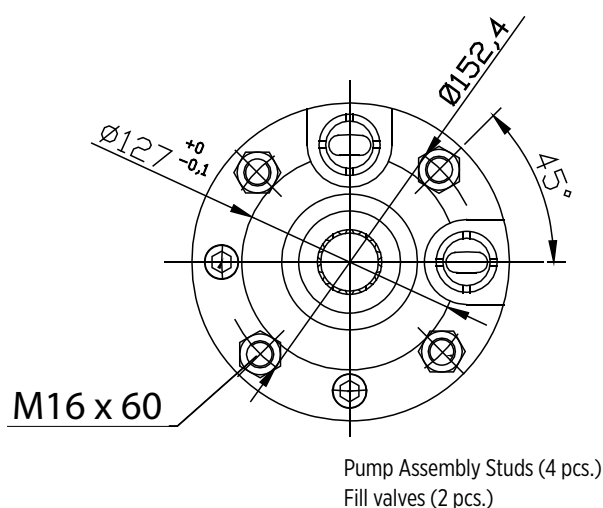
RWK8 SUBMERSIBLE MOTORS

RWK8 - MOTOR LEADS

Motor type	Power		Lead [mm ²]		Lead length [m]
	[kW]	[HP]	380 - 415 V / 50 Hz 380 V 60 Hz / 460 V 60 Hz		
			DOL	YΔ	
RWK 8300 T4005	30	40	3x10	2x (3x6)	4
RWK 8370 T4005	37	50	4x10	4x6 + 3x6	
RWK 8450 T4005	45	60	4x10	4x6 + 3x6	
RWK 8520 T4005	52	70	3x16 + ground	4x10 + 3x10	
RWK 8550 T4005	55	75	3x16 + ground	4x10 + 3x10	
RWK 8600 T4005	60	80	3x16 + ground	4x10 + 3x10	
RWK 8670 T4005	67	90	3x25 + ground	4x10 + 3x10	
RWK 8750 T4005	75	100	3x25 + ground	4x10 + 3x10	
RWK 8810 T4005	81	110	3x25 + ground	3x16 + 3x16	
RWK 8920 T4005	92	125	3x25 + ground	3x16 + 3x16	
RWK 81100 T4005	110	150	3x35 + ground	3x25 + 3x25	

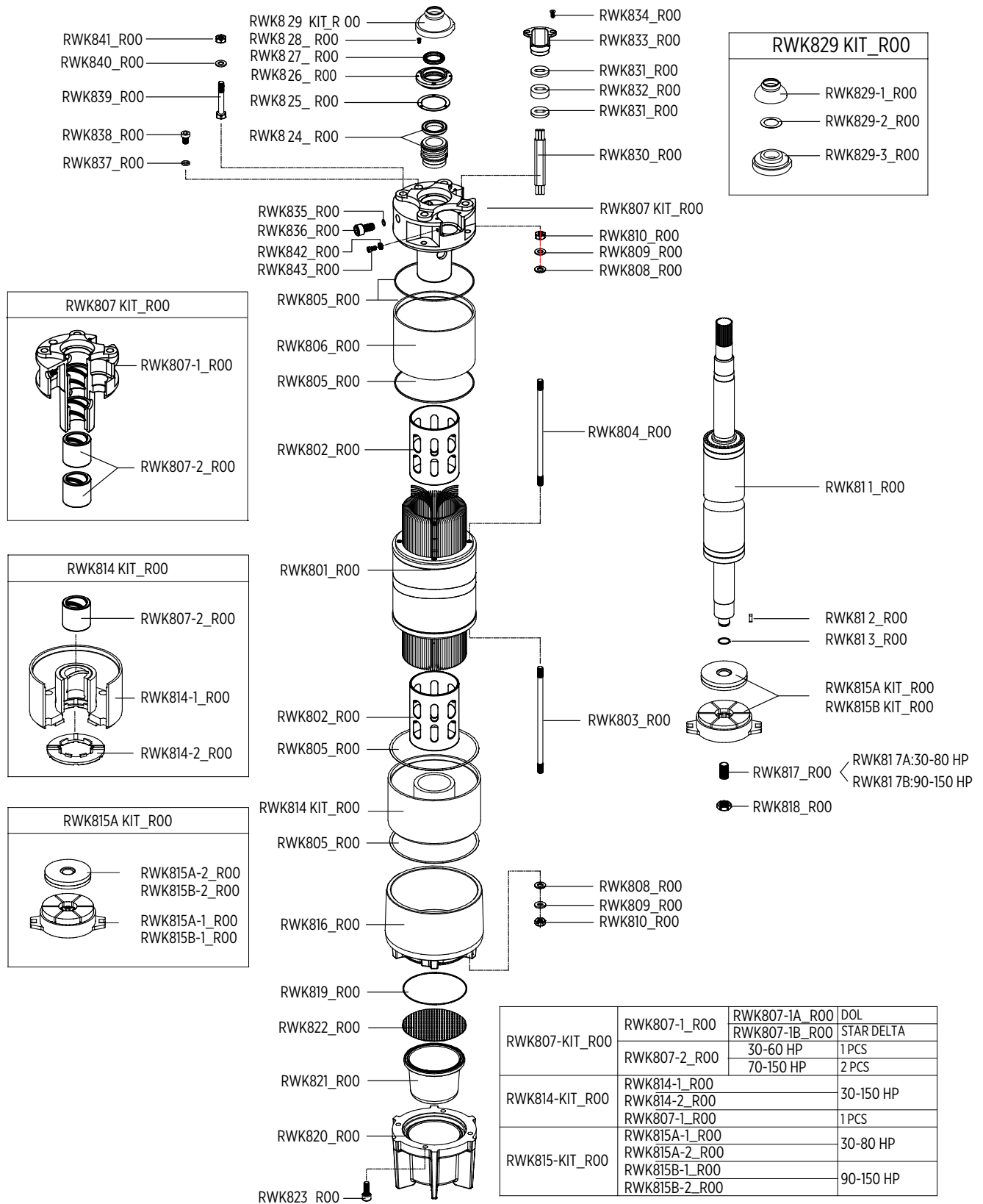
RWK8 - DIMENSIONS AND WEIGHTS

Motor type	Power		Axial thrust [N]	Length [mm]	Weight [kg]
	[kW]	[HP]			
RWK 8300 T4005	30	40	38000	1020	137
RWK 8370 T4005	37	50	38000	1050	143
RWK 8450 T4005	45	60	38000	1130	158
RWK 8520 T4005	52	70	38000	1180	174
RWK 8550 T4005	55	75	38000	1210	181
RWK 8600 T4005	60	80	38000	1240	187
RWK 8670 T4005	67	90	45000	1315	201
RWK 8750 T4005	75	100	45000	1430	218
RWK 8810 T4005	81	110	45000	1450	227
RWK 8920 T4005	92	125	45000	1550	249
RWK 81100 T4005	110	150	45000	1730	289



RWK8 SPARE PARTS

RWK8 - MOTOR PARTS | EXPLODED VIEW



RWK8 SPARE PARTS

RWK8 - MOTOR PARTS AND MATERIALS

	Part no.	Part description	Material
	RWK801_R00	Stator	Lam. Sheet
	RWK802_R00	End Turn Protector - Internal	POM
	RWK803_R00	Stud - Bottom	AISI 420
	RWK804_R00	Stud - Top	AISI 420
	RWK805_R00	Gasket	Klingerite
	RWK806_R00	Spacer Ring	Steel
RWK807 KIT_R00	RWK807 KIT_R00	Top End Bell Kit	-----
	RWK807-1A_R00	Top End Bell DOL	Cast. Iron
	RWK807-1B_R00	Top End Bell SD	Cast. Iron
	RWK807-2_R00	Radial Bearing 50-125 HP	Carbon
	RWK808_R00	Washer	Copper
	RWK809_R00	Washer	AISI 304
	RWK810_R00	Nut	AISI 304
	RWK811_R00	Rotor	Lam. Sheet
	RWK812_R00	Key - Thrust Bearing	Steel
	RWK813_R00	Snap Ring - Thrust Bearing	Steel
RWK814 KIT_R00	RWK814 KIT_R00	Bottom End Bell Kit	-----
	RWK814-1_R00	Bottom End Bell	Cast. Iron
	RWK814-2_R00	Uphrust Washer	Polyamide
	RWK807-2_R00	Radial Bearing 50-125 HP	Carbon
RWK15 KIT_R00	RWK815A KIT_R00	Thrust Bearing Kit 50-80 HP	-----
	RWK815A-1_R00	Thrust Bearing Holder Kit	Steel
	RWK815A-2_R00	Thrust Bearing Disc	Carbon
	RWK815B KIT_R00	Thrust Bearing Kit 90-125 HP	-----
	RWK815B-1_R00	Thrust Bearing Holder Kit	Steel
	RWK815B-2_R00	Thrust Bearing Disc	Carbon
	RWK816_R00	Thrust Housing	Cast. Iron
	RWK817_R00	Screw - Shaft Adjusting	AISI 420
	RWK818_R00	Nut - Shaft Adjusting	Steel
	RWK819_R00	O'Ring	NBR
	RWK820_R00	Diaphragm Cover	Cast. Iron
	RWK821_R00	Diaphragm	NBR
	RWK822_R00	Diaphragm Lid	AISI 430
	RWK823_R00	Diaphragm Cover Screw	AISI 304
	RWK824_R00	Shaft Seal	Carbon-Ceramic
	RWK825_R00	Shaft Seal Washer	Fibre
	RWK826_R00	Seal Cover	AISI 420
	RWK827_R00	Lipseal	NBR
	RWK828_R00	Seal Cover Screw	Steel
RWK829 KIT_R00	RWK829 KIT_R00	Sand Slinger Kit	-----
	RWK829-1_R00	Sand Slinger	NBR
	RWK829-2_R00	Sand Slinger Washer	AISI 304
	RWK829-3_R00	Sand Slinger Cover	PPO
	RWK830_R00	Lead	Cable
	RWK831_R00	Lead Spacer	POM
	RWK832_R00	Lead Seal	EPDM
	RWK833_R00	Lead Clamp	PPO
	RWK834_R00	Lead Clamp Screw	AISI 304
	RWK835_R00	Fill Valve O'Ring	NBR
	RWK838_R00	Relief Valve	Brass
	RWK839_R00	Pump Assembly Bolt	AISI 304
	RWK840_R00	Lock Washer	AISI 304
	RWK841_R00	Pump Assembly Nut	AISI 304
	RWK842_R00	Lock Washer for Grounding	AISI 304
	RWK843_R00	Ground Screw	AISI 304

RWK10 SUBMERSIBLE MOTORS

RWK10 - MOTOR MODEL NO.

Motor type	Power		Electrical connection	Description	Model no.
	[kW]	[HP]			
RWK 10110 T4005	110	150	DOL	10 V CER 150HP-110KW 8 380V 50HZ DOL RUB 5M	829040103990591A
			DOL	10 V CER 150HP-110KW 10KEY 380V 50HZ DOL RUB 5M	829240803990591A
			S/D	10 V CER 150HP-110KW 8 380V 50HZ S-D RUB 5M	829040104990591A
			S/D	10 V CER 150HP-110KW 10KEY 380V 50HZ S-D RUB 5M	829240104990591A
RWK 10132 T4005	132	180	DOL	10 V CER 180HP-132KW 8 380V 50HZ DOL RUB 5M	829050105990591A
			DOL	10 V CER 180HP-132KW 10KEY 380V 50HZ DOL RUB 5M	829250105990591A
			S/D	10 V CER 180HP-132KW 8 380V 50HZ S-D RUB 5M	829050104990591A
			S/D	10 V CER 180HP-132KW 10KEY 380V 50HZ S-D RUB 5M	829250104990591A
RWK 10147 T4005	147	200	DOL	10 V CER 200HP-147KW 8 380V 50HZ DOL RUB 5M	829060105990591A
			DOL	10 V CER 200HP-147KW 10KEY 380V 50HZ DOL RUB 5M	829260105990591A
			S/D	10 V CER 200HP-147KW 8 380V 50HZ S-D RUB 5M	829060104990591A
			S/D	10 V CER 200HP-147KW 10KEY 380V 50HZ S-D RUB 5M	829260104990591A
RWK 10185 T4005	185	250	DOL	10 V CER 250HP-185KW 8 380V 50HZ DOL RUB 5M	829080105990591A
			DOL	10 V CER 250HP-185KW 10KEY 380V 50HZ DOL RUB 5M	829270105990591A
			S/D	10 V CER 250HP-185KW 8 380V 50HZ S-D RUB 5M	829080104990591A
			S/D	10 V CER 250HP-185KW 10KEY 380V 50HZ S-D RUB 5M	829270104990591A

RWK10 - MOTOR PERFORMANCE DATA

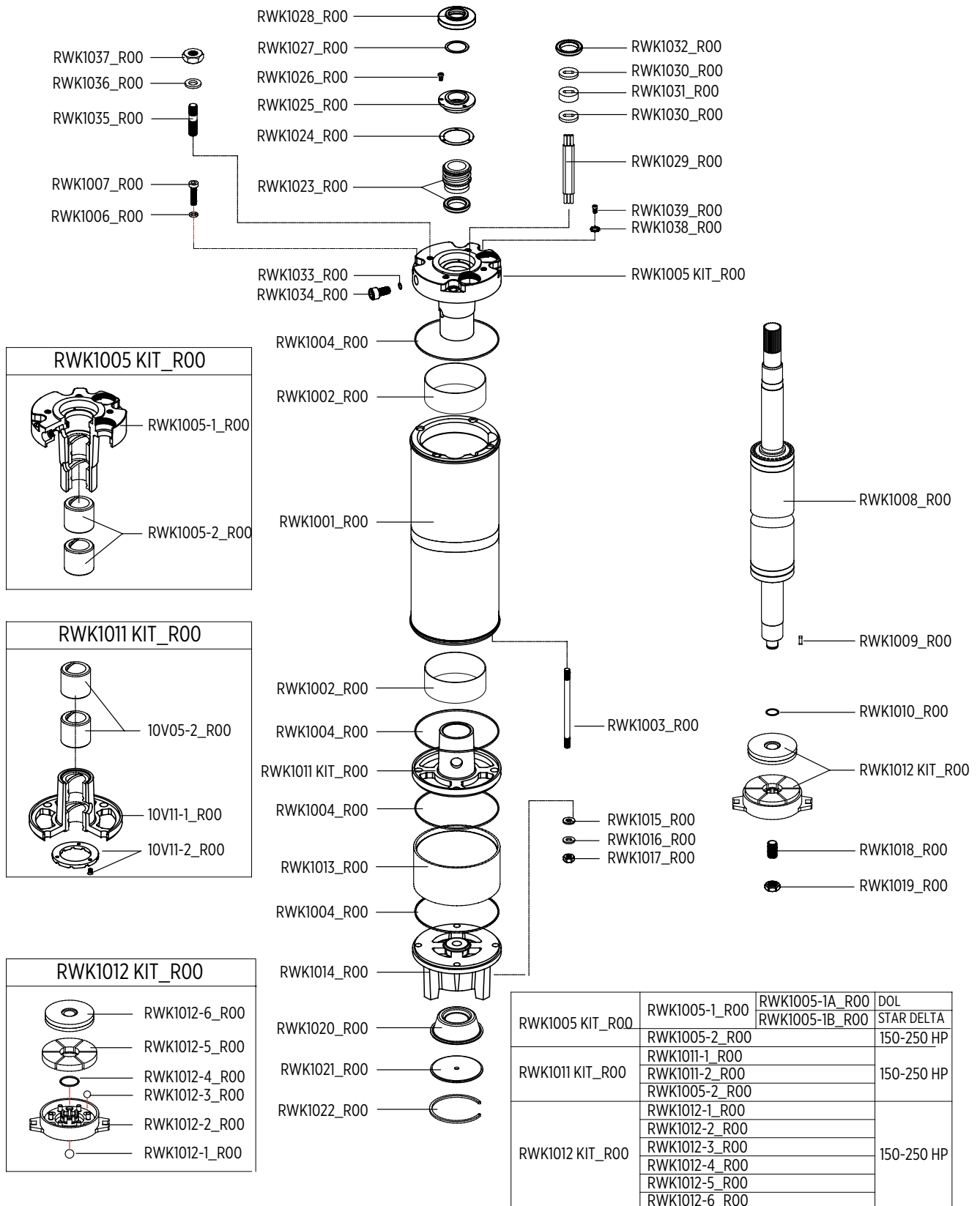
Motor type	Power		Frequency [Hz]	Voltage [V]	Current range [A]	Efficiency %				Power factor cos φ			η _N [min ⁻¹]
	[kW]	[HP]			100%	50%	75%	100%	50%	75%	100%		
RWK 10110 T4005	110	150	50	380	230	81.3	84.3	83.2	0.83	0.87	0.88	2883	
				400	223	82.4	84.8	83.5	0.79	0.85	0.87	2885	
				415	216	83	84.9	83.8	0.75	0.82	0.84	2895	
RWK 10132 T4005	132	180	50	380	278	82.6	84.6	83.8	0.77	0.84	0.87	2900	
				400	270	83.6	85.5	84.7	0.71	0.81	0.85	2914	
				415	267	83.1	85.6	84.6	0.65	0.76	0.82	2918	
RWK 10147 T4005	147	200	50	380	305	82.7	85.2	84.6	0.78	0.85	0.87	2904	
				400	299	83.8	85.5	84.2	0.74	0.82	0.86	2905	
				415	294	83.1	85.4	85.5	0.68	0.78	0.83	2907	
RWK 10185 T4005	185	250	50	380	380	82.3	85.3	84.9	0.76	0.84	0.87	2893	
				400	374	82.9	85.1	84.6	0.71	0.81	0.85	2910	
				415	370	83.9	85.8	84.9	0.66	0.77	0.82	2914	

RWK10 - MOTOR LEADS

Motor type	Power		Lead [mm²]		Lead length [m]
	[kW]	[HP]	380 - 415 V / 50 Hz 380 V 60 Hz / 460 V 60 Hz		
			DOL	YΔ	
RWK 10110 T4005	110	150	3 x 35	2x (3 x 25)	5
RWK 10132 T4005	132	180	50 + 50 + 50	2x (3 x 25)	5
RWK 10147 T4005	147	200	50 + 50 + 50	2x (3 x 25)	5
RWK 10185 T4005	185	250	70 + 70 + 70	2x (3 x 25)	5

RWK10 SUBMERSIBLE MOTORS

RWK10 - MOTOR PARTS | EXPLODED VIEW



RWK10 SUBMERSIBLE MOTORS

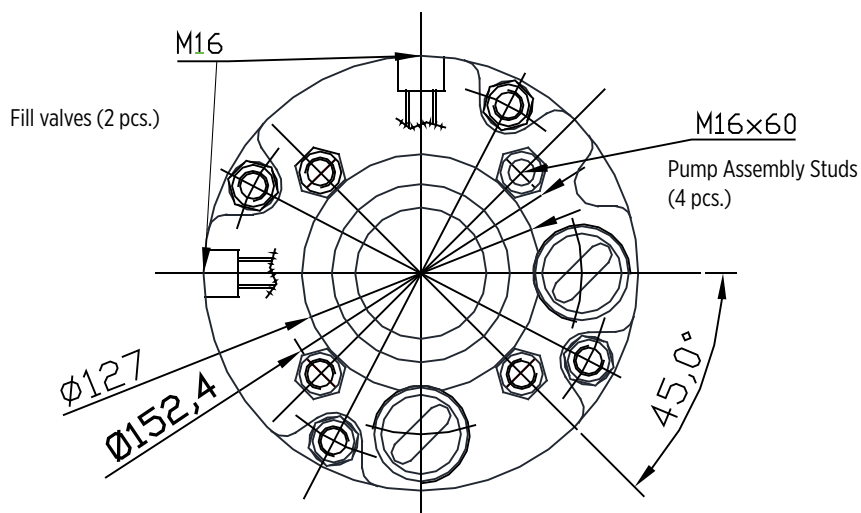
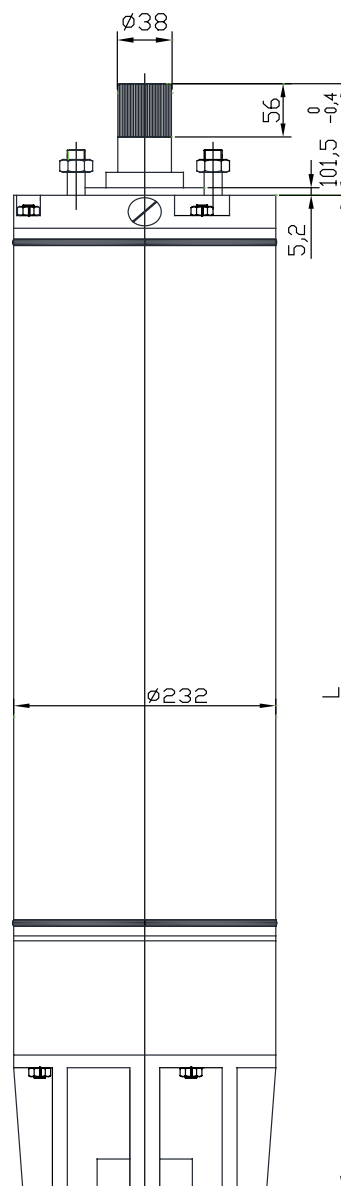
RWK10 - MOTOR PARTS AND MATERIALS

	Part no.	Part description	Material
	RWK1001_R00	Stator	Lam. Sheet
	RWK1002_R00	Protector - Internal	AISI 304+Rubber
	RWK1003_R00	Stud - Bottom	AISI 420
	RWK1004_R00	Gasket	Klingerite
RWK1005 KIT_R00	RWK1005 KIT_R00	Top End Bell Kit	-----
	RWK1005-1A_R00	Top End Bell DOL	Cast. Iron
	RWK1005-1B_R00	Top End Bell SD	Cast. Iron
	RWK1005-2_R00	Radial Bearing 150-250 HP	Carbon
	RWK1006_R00	Washer	Copper
	RWK1007_R00	Top End Bell Bolt	AISI 304
	RWK1008_R00	Rotor	Lam. Sheet
	RWK1009_R00	Key - Thrust Bearing	Steel
	RWK1010_R00	Snap Ring - Thrust Bearing	Steel
RWK1011 KIT_R00	RWK1011 KIT_R00	Bottom End Bell Kit	-----
	RWK1011-1_R00	Bottom End Bell	Cast. Iron
	RWK1011-2_R00	Upthrust Washer	Composite
	RWK1005-2_R00	Radial Bearing 150-250 HP	Carbon
	RWK1012 KIT_R00	Thrust Bearing Kit 150-250 HP	-----
	RWK1012-1_R00	Thrust Bearing Ball	AISI 304
RWK1012 KIT_R00	RWK1012-2_R00	Thrust Segment Holder	Cast. Iron
	RWK1012-3_R00	Thrust Segment Ball	AISI 304
	RWK1012-4_R00	Thrust O'Ring	NBR
	RWK1012-5_R00	Thrust Segment	AISI 420
	RWK1012-6_R00	Thrust Bearing Disc	Carbon
	RWK1013_R00	Spacer Ring	AISI 316
	RWK1014_R00	Diaphragm Cover	Cast. Iron
	RWK1015_R00	Washer	Copper
	RWK1016_R00	Washer	AISI 304
	RWK1017_R00	Nut	AISI 304
	RWK1018_R00	Screw - Shaft Adjusting	AISI 304
	RWK1019_R00	Nut - Shaft Adjusting	Steel
	RWK1020_R00	Diaphragm	NBR
	RWK1021_R00	Diaphragm Lid	AISI 430
	RWK1022_R00	Diaphragm Lid Snap Ring	Steel
	RWK1023_R00	Shaft Seal	Carbon-Ceramic
	RWK10V24_R00	Shaft Seal Washer	Fibre
	RWK1025_R00	Seal Cover	AISI 420
	RWK1026_R00	Seal Cover Screw	AISI 304
	RWK1027_R00	Sand Slinger Washer	AISI 304
	RWK1028_R00	Sand Slinger	NBR
	RWK1029_R00	Lead	Cable
	RWK1030_R00	Lead Spacer	POM
	RWK1031_R00	Lead Seal	NBR
	RWK1032_R00	Lead Seal Pressure Ring	Bronze
	RWK1033_R00	Fill Valve O'Ring	NBR
	RWK1034_R00	Fill Valve	AISI 304
	RWK1035-A_R00	Pump Assembly Studs - M16	AISI 304
	RWK1035-B_R00	Pump Assembly Studs - M20	AISI 304
	RWK1036-A_R00	Lock Washer - M16	AISI 304
	RWK1036-B_R00	Lock Washer - M20	AISI 304
	RWK1037-A_R00	Pump Assembly Nut - M16	AISI 304
	RWK1037-B_R00	Pump Assembly Nut - M20	AISI 304
	RWK1038_R00	Lock Washer for Grounding	AISI 304
	RWK1039_R00	Ground Screw	AISI 304

RWK10 SUBMERSIBLE MOTORS

RWK10 - DIMENSIONS AND WEIGHTS

Motor type	Power		Axial thrust [N]	Length [mm]	Weight [kg]
	[kW]	[HP]			
RWK 10110 T4005	110	150	60000	1464	330
RWK 10132 T4005	132	180	60000	1584	370
RWK 10147 T4005	147	200	60000	1674	400
RWK 10185 T4005	185	250	60000	1874	464



RWK6/RWK8/RWK10 THREE-PHASE MOTOR DROP LEADS

RWK6/RWK8/RWK10 - MAX. PERMITTED CABLE LENGTHS - DOL

Motor power		DOL														
		Cable size [mm ²] - Copper wire (rated insulation: 90 °C)														
[kW]	[HP]	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300
4	5.5	95	155	230	385	605	915									
5.5	7.5	70	110	170	280	440	670	915								
7.5	10	50	80	126	205	325	500	685	935							
9.2	12.5	40	65	100	170	270	410	565	770	1030						
11	15		55	85	140	225	345	470	645	865	1110					
13	17.5		50	75	125	195	300	410	560	750	965					
15	20		40	65	105	170	265	360	495	665	855	1030				
18.5	25			50	85	140	210	290	400	530	680	810	950			
22	30				75	120	180	250	340	455	585	700	815	945		
26	35				60	100	150	210	290	385	500	600	705	815		
30	40					85	135	185	250	335	430	515	600	695	820	935
37	50						105	150	205	270	350	420	485	565	665	760
45	60						90	125	175	235	310	375	445	520	630	730
52	70						80	110	155	210	270	325	385	450	540	625
55	75							105	145	195	255	305	360	420	505	580
59	80							95	135	185	240	290	345	400	485	560
66	90								120	160	210	255	300	350	415	480
75	100								105	145	185	225	270	315	375	435
81	110								95	130	170	210	250	290	350	405
92	125									115	150	185	215	255	300	350
110	150										120	145	170	200	235	270
132	180											130	155	180	215	250
147	200												145	170	205	235
185	250														140	160

RWK6/RWK8/RWK10 - MAX. PERMITTED CABLE LENGTHS - YD

Motor power		YD														
		Cable size [mm ²] - Copper wire (rated insulation: 90 °C)														
[kW]	[HP]	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300
4	5.5	145	230	350	575	900										
5.5	7.5	106	170	250	420	660	1010									
7.5	10	75	125	185	310	490	750	1025								
9.2	12.5	60	100	155	255	405	620	845	1160							
11	15		85	130	210	340	520	715	980							
13	17.5		75	110	185	295	450	615	845	1125						
15	20		65	95	160	260	395	540	740	995						
18.5	25			80	130	210	320	435	600	800	1025					
22	30				110	180	275	375	510	685	875	1050				
26	35				95	150	230	315	435	580	750	900	1055			
30	40					130	200	275	375	500	645	775	905	1045		
37	50						160	220	305	410	525	625	730	845	1000	
45	60						135	190	260	355	460	560	665	780	945	1095
52	70						120	165	230	310	405	490	580	680	815	940
55	75							155	220	295	380	460	545	635	760	875
59	80							145	205	275	360	435	510	605	725	840
66	90								180	240	315	380	450	525	625	720
75	100								160	215	280	340	405	470	565	655
81	110								145	200	260	315	375	435	525	610
92	125								0	175	230	275	325	380	455	525
110	150								105	140	180	220	255	300	355	405
132	180								95	125	160	195	230	270	325	375
147	200									105	140	170	200	230	275	320
185	250										110	130	155	180	210	240

CATALOG REVISION CHANGE NOTICE

Ref. No.	Changes	Page
1	Change of wire insulation (PPC)	all
2	Change of model numbers from 91 to 91A	5, 8
3	Change of model no. from 091A to 791A (6"), from 091A to 591A (8")	6, 9
4	Update to model numbers, addition of 10" variants	all

RELATED CATALOGS ON OUR WEBSITE:



Submersible motors
& Accessories



NBS4 oil-filled motor



High Efficiency System



Variable Frequency drives
& Accessories



SSI 6" submersible pumps



VSI submersible pumps



VS4 submersible pumps



VS6/8 submersible pumps

RELATED VIDEOS ON OUR YOUTUBE CHANNEL:

Submersible motors



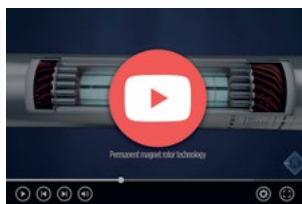
8"/10"/12" rewindable motors
Franklin Electric



Coverco 4 inch oil-filled motor



4" encapsulated motors



Permanent magnet technology
in submersible motors



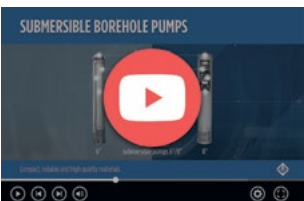
Submersible pumps



Franklin Electric VSI SS Cast
submersible pumps



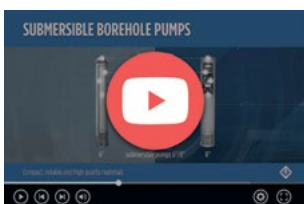
Franklin Electric SS cast
submersible pumps 8"/10"/12" -
Product insights



Franklin Electric Submersible
borehole pumps 6" and 8"



VS 4" Submersible pump



Franklin Electric Close coupled
5" pumps





Franklin Electric

Franklin Electric Europa GmbH
Rudolf-Diesel-Str. 20 - 54516 Wittlich
GERMANY
Telefon: +49 (0) 6571 - 105-0
Faks: +49 (0) 6571 - 105-510
E-posta: info@franklin-electric.de

Franklin Electric S.r.l.
Via Asolo, 7 - 36031 Dueville (Vicenza)
ITALY
Phone: +39 0444 361114
Fax: +39 0444 365247
Email: sales.it@fele.com



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