

Dry Pit Submersible Wastewater Pump with Anti-Clog Technology



Model DDKEU
Model DDKEXU

Parts Reference



EBARA

EBARA Pumps Americas Corporation

Sectional View

View selection by model

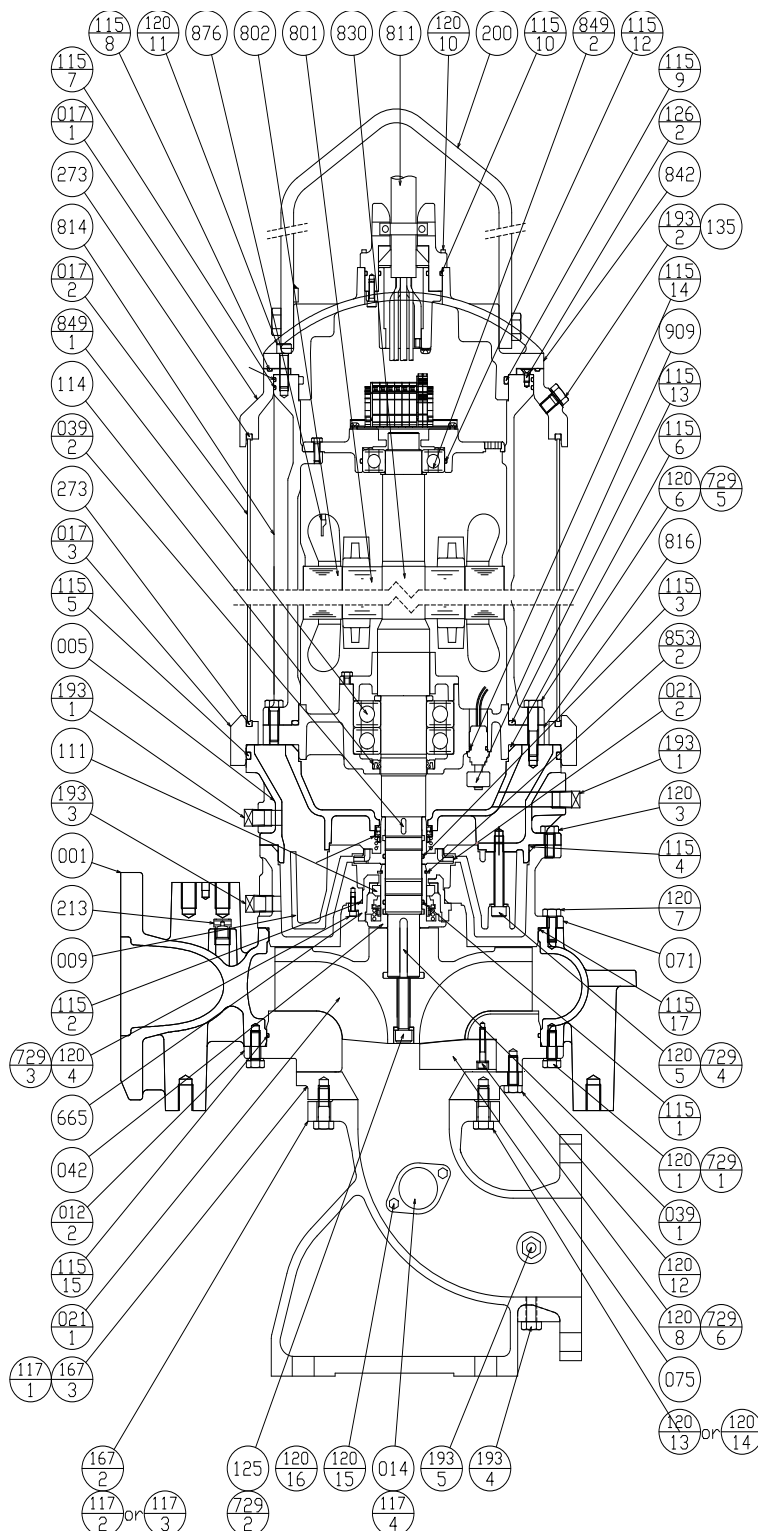
Discharge	Model	Power		View	Column
		HP	kW		
100	100DDKE(X)U465.5	7.5	5.5	2	A
	100DDKE(X)U467.5	10	7.5	2	A
	100DDKE(X)U4611	15	11	2	A
	100DDKEB(X)U4611			1	A
	100DDKE(X)U4615	20	15	3	A
	100DDKEB(X)U4615			4	A
	100DDKE(X)U4618	25	18.5	1	B
	100DDKEB(X)U4618			1	A
	100DDKE(X)U4622	30	22	1	B
	100DDKEB(X)U4622			1	A
150	150DDKE(X)U467.5	10	7.5	2	B
	150DDKE(X)U4611	15	11	2	B
	150DDKE(X)U4615	20	15	3	B
	150DDKE(X)U4618	25	18.5	2	C
	150DDKE(X)U4622	30	22	2	B

Sectional View

View 1

100DDKEB(X)U 15, 25 and 30HP. (Column A)

100DDKE(X)U 25 and 30HP. (Column B)



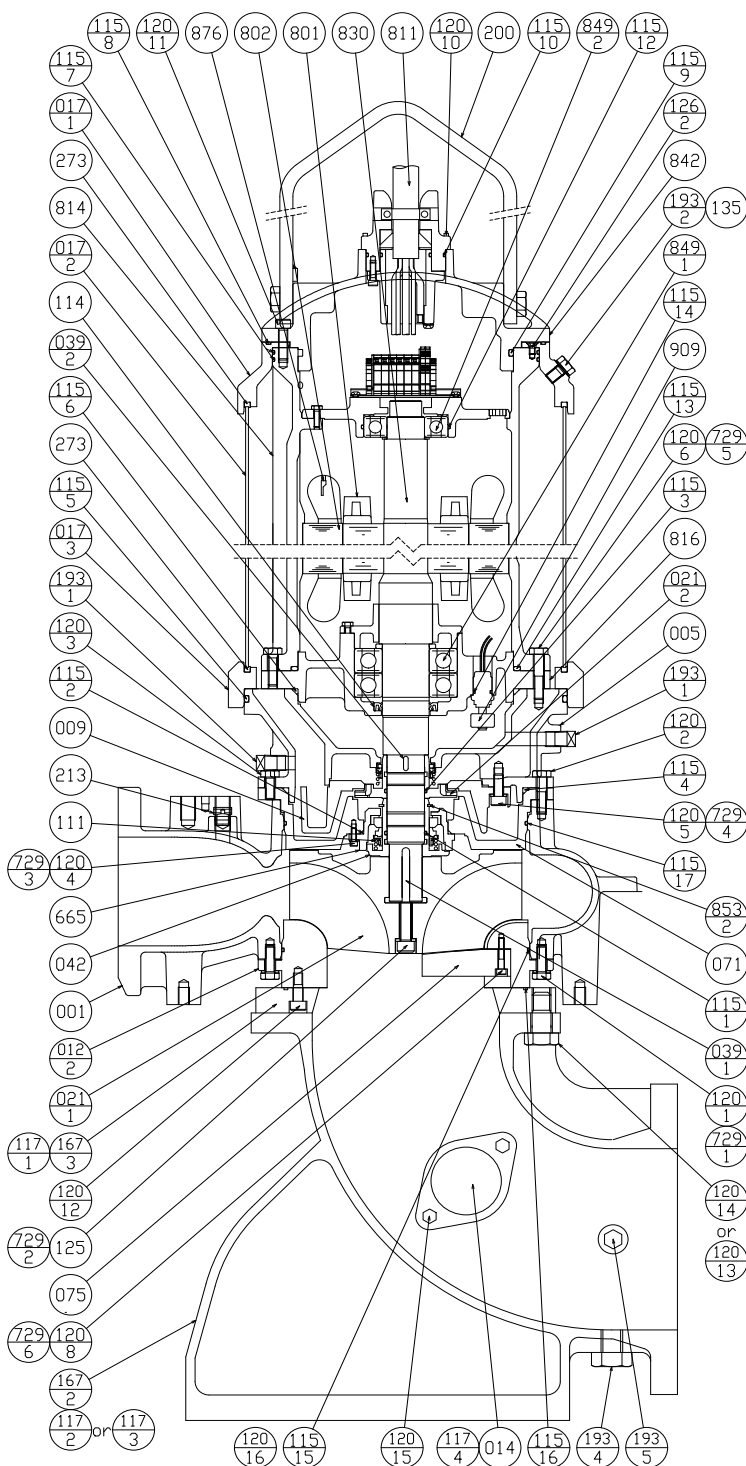
ID	Part Name	Material	QTY	
			A	B
001	Pump Casing	Cast Iron(FC250) / Ductile Cast Iron (FCD400)	1	1
005	Intermediate Casing	Cast Iron(FC200)	1	1
009	Inner Casing	Cast Iron(FC200)	1	1
012-2	Suction Cover	Cast Iron(FC250)	1	1
014	Drain Cover	Cast Iron(FC250)	1	1
017-1	Upper Cover	Cast Iron(FC250)	1	1
017-2	Jacket Body	Stainless Steel (SUS304)	1	1
017-3	Bottom Ring	Cast Iron(FC250)	1	1
021-1	Pump Impeller	Cast Iron(FC250) / Ductile Cast Iron (FCD400)	1	1
021-2	ICS Impeller	Stainless Steel (SCS13)	1	1
039-1	Key	Stainless Steel (SUS420)	1	1
039-2	Key	Stainless Steel (SUS316)	1	1
042	ICS Sleeve	Stainless Steel (SCS13)	1	1
071	Side Plate	Cast Iron(FC250)	1	1
075	Guide Pin	Ductile Cast Iron (FCD400)	1	1
111	Mechanical Seal	-	1 set	1 set
114	Oil seal	-	1	1
115-1	O-ring	NBR	1	1
115-2	O-ring	NBR	1	1
115-3	O-ring	NBR	1	1
115-4	O-ring	NBR	1	1
115-5	O-ring	NBR	1	1
115-6	O-ring	NBR	1	1
115-7	O-ring	NBR	2	2
115-8	O-ring	NBR	1	1
115-9	O-ring	NBR	1	1
115-10	O-ring	NBR	1	1
115-12	O-ring	NBR	1	1
115-13	O-ring	NBR	1	1
115-14	O-ring	NBR	1	1
115-15	O-ring	NBR	1	1
115-17	O-ring	NBR	1	1
117-1	Gasket	-	1	N/A
117-2	Gasket	-	1	N/A
117-3	Gasket	-	N/A	1
117-4	Gasket	-	1	1
120-1	Bolt	Stainless Steel (SUS304)	8	8
120-2	Bolt	Stainless Steel (SUS304)	8	8
120-3	Bolt	Stainless Steel (SUS304)	8	8
120-4	Bolt	Stainless Steel (SUS304)	4	4
120-5	Bolt	Stainless Steel (SUS304)	4	4
120-6	Bolt	Stainless Steel (SUS304)	4	4
120-8	Bolt	Stainless Steel (SUS304)	2	2
120-9	Bolt	Stainless Steel (SUS304)	3	3
120-10	Bolt	Stainless Steel (SUS304)	4	4
120-11	Bolt	Stainless Steel (SUS304)	4	4
120-12	Bolt	Stainless Steel (SUS304)	8	N/A
120-13	Bolt	Stainless Steel (SUS304)	8	N/A
120-14	Bolt	Stainless Steel (SUS304)	N/A	8
120-15	Bolt	Stainless Steel (SUS304)	2	2
120-16	Anchor Bolt	Stainless Steel	4	4
125	Impeller Bolt	Stainless Steel (SUS304)	1	1
126-2	Countersunk Screw	Stainless Steel (SUS304)	4	4
135	Seal Washer	-	2	2
167-2	Suction Elbow	Cast Iron (FC200)	1	1
167-3	Attachment	Stainless Steel	1	N/A
193-1	Plug	Stainless Steel (SUS304)	2	2
193-2	Plug	Stainless Steel (SUS304)	2	2
193-3	Plug	Stainless Steel (SUS304)	1	1
193-4	Plug	Stainless Steel (SUS304)	1	1
193-5	Plug	Stainless Steel (SUS304)	1	1
200	Lifting Hanger	Stainless Steel (SUS304)	1	1
213	Air Vent Valve	Brass (C3604)	1	1
273	Seal Packing	NBR	2	2
665	ICS Housing	Cast Iron (FC200)	1	1
729-1	Spring Washer	Stainless Steel (SUS304)	8	8
729-2	Spring Washer	Stainless Steel (SUS304)	1	1
729-3	Spring Washer	Stainless Steel (SUS304)	4	4
729-4	Spring Washer	Stainless Steel (SUS304)	4	4
729-5	Spring Washer	Stainless Steel (SUS304)	4	4
729-6	Spring Washer	Stainless Steel (SUS304)	2	2
800	Motor	-	1	1
811	Submersible Cable	-	1	1
814	Motor Frame	Cast Iron (FC200)	1	1
816	Power Side Bracket	Cast Iron (FC200)	1	1
830	Shaft	Stainless Steel (SUS304)	1	1
842	Motor Cover	Cast Iron (FC200)	1	1
849-1	Ball Bearing	-	1	1
849-2	Ball Bearing	-	1	1
853-2	C-Type Snap Ring	-	1	1
876	Thermal Protector	-	3	3
909	Leakage Detector	-	1	1

Sectional View

View 2

100DDKE(X)U 7.5 to 15HP. (Column A)

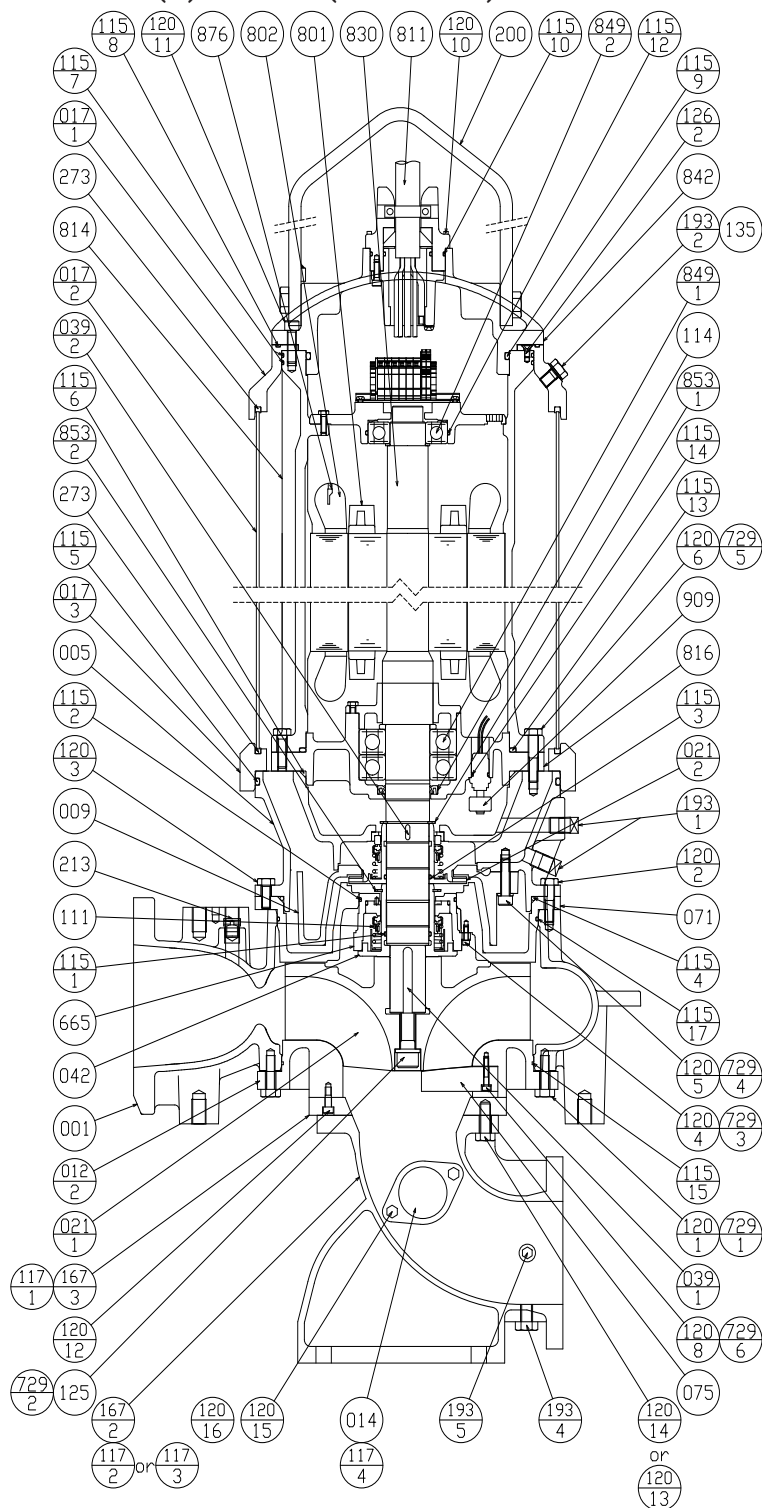
150DDKE(X)U 10, 15, and 30HP. (Column B)



ID	Part Name	Material	QTY		
			A	B	C
001	Pump Casing	Cast Iron(FC250) / Ductile Cast Iron (FCD400)	1	1	1
005	Intermediate Casing	Cast Iron(FC200)	1	1	1
009	Inner Casing	Cast Iron(FC200)	1	1	1
012-2	Suction Cover	Cast Iron(FC250)	1	1	1
014	Drain Cover	Cast Iron(FC250)	1	1	1
017-1	Upper Cover	Cast Iron(FC250)	1	1	1
017-2	Jacket Body	Stainless Steel (SUS304)	1	1	1
017-3	Bottom Ring	Cast Iron(FC250)	1	1	1
021-1	Pump Impeller	Cast Iron(FC250) / Ductile Cast Iron (FCD400)	1	1	1
021-2	ICS Impeller	Stainless Steel (SCS13)	1	1	1
039-1	Key	Stainless Steel (SUS420)	1	1	1
039-2	Key	Stainless Steel (SUS316)	1	1	1
042	ICS Sleeve	Stainless Steel (SCS13)	1	1	1
071	Side Plate	Cast Iron(FC250)	1	1	1
075	Guide Pin	Ductile Cast Iron (FCD400)	1	1	1
111	Mechanical Seal	-	1 set	1 set	1 set
114	Oil seal	-	1	1	1
115-1	O-ring	NBR	1	1	1
115-2	O-ring	NBR	1	1	1
115-3	O-ring	NBR	1	1	1
115-4	O-ring	NBR	1	1	1
115-5	O-ring	NBR	1	1	1
115-6	O-ring	NBR	1	1	1
115-7	O-ring	NBR	2	2	2
115-8	O-ring	NBR	1	1	1
115-9	O-ring	NBR	1	1	1
115-10	O-ring	NBR	1	1	1
115-12	O-ring	NBR	1	1	1
115-13	O-ring	NBR	1	1	1
115-14	O-ring	NBR	1	1	1
115-15	O-ring	NBR	1	1	1
115-16	O-ring	NBR	N/A	1	N/A
115-17	O-ring	NBR	1	1	1
117-1	Gasket	-	N/A	N/A	1
117-2	Gasket	-	N/A	1	1
117-3	Gasket	-	1	N/A	N/A
117-4	Gasket	-	1	1	1
120-1	Bolt	Stainless Steel (SUS304)	8	8	8
120-2	Bolt	Stainless Steel (SUS304)	8	8	8
120-3	Bolt	Stainless Steel (SUS304)	4	4	4
120-4	Bolt	Stainless Steel (SUS304)	4	4	4
120-5	Bolt	Stainless Steel (SUS304)	4	4	4
120-6	Bolt	Stainless Steel (SUS304)	4	4	4
120-8	Bolt	Stainless Steel (SUS304)	2	2	2
120-9	Bolt	Stainless Steel (SUS304)	3	3	3
120-10	Bolt	Stainless Steel (SUS304)	4	4	4
120-11	Bolt	Stainless Steel (SUS304)	4	4	4
120-12	Bolt	Stainless Steel (SUS304)	N/A	8	8
120-13	Bolt	Stainless Steel (SUS304)	N/A	12	12
120-14	Bolt	Stainless Steel (SUS304)	8	N/A	N/A
120-15	Bolt	Stainless Steel (SUS304)	2	2	2
120-16	Anchor Bolt	Stainless Steel	4	4	4
125	Impeller Bolt	Stainless Steel (SUS304)	1	1	1
126-2	Countersunk Screw	Stainless Steel (SUS304)	4	4	4
135	Seal Washer	-	2	2	2
167-2	Suction Elbow	Cast Iron (FC200)	1	1	1
167-3	Attachment	Stainless Steel	N/A	1	1
193-1	Plug	Stainless Steel (SUS304)	2	2	2
193-2	Plug	Stainless Steel (SUS304)	2	2	2
193-4	Plug	Stainless Steel (SUS304)	1	1	1
193-5	Plug	Stainless Steel (SUS304)	1	1	1
200	Lifting Hanger	Stainless Steel (SUS304)	1	1	1
213	Air Vent Valve	Brass (C3604)	1	1	1
273	Seal Packing	NBR	2	2	2
665	ICS Housing	Cast Iron (FC200)	1	1	1
729-1	Spring Washer	Stainless Steel (SUS304)	8	8	8
729-2	Spring Washer	Stainless Steel (SUS304)	1	1	1
729-3	Spring Washer	Stainless Steel (SUS304)	4	4	4
729-4	Spring Washer	Stainless Steel (SUS304)	4	4	4
729-5	Spring Washer	Stainless Steel (SUS304)	4	4	4
729-6	Spring Washer	Stainless Steel (SUS304)	2	2	2
800	Motor	-	1	1	1
811	Submersible Cable	-	1	1	1
814	Motor Frame	Cast Iron (FC200)	1	1	1
816	Power Side Bracket	Cast Iron (FC200)	1	1	1
830	Shaft	Stainless Steel (SUS304)	1	1	1
842	Motor Cover	Cast Iron (FC200)	1	1	1
849-1	Ball Bearing	-	1	1	1
849-2	Ball Bearing	-	1	1	1
853-2	C-Type Snap Ring	-	1	1	1
876	Thermal Protector	-	3	3	3
909	Leakage Detector	-	1	1	1

View 3

150DDKE(X)U 20HP (Column B)

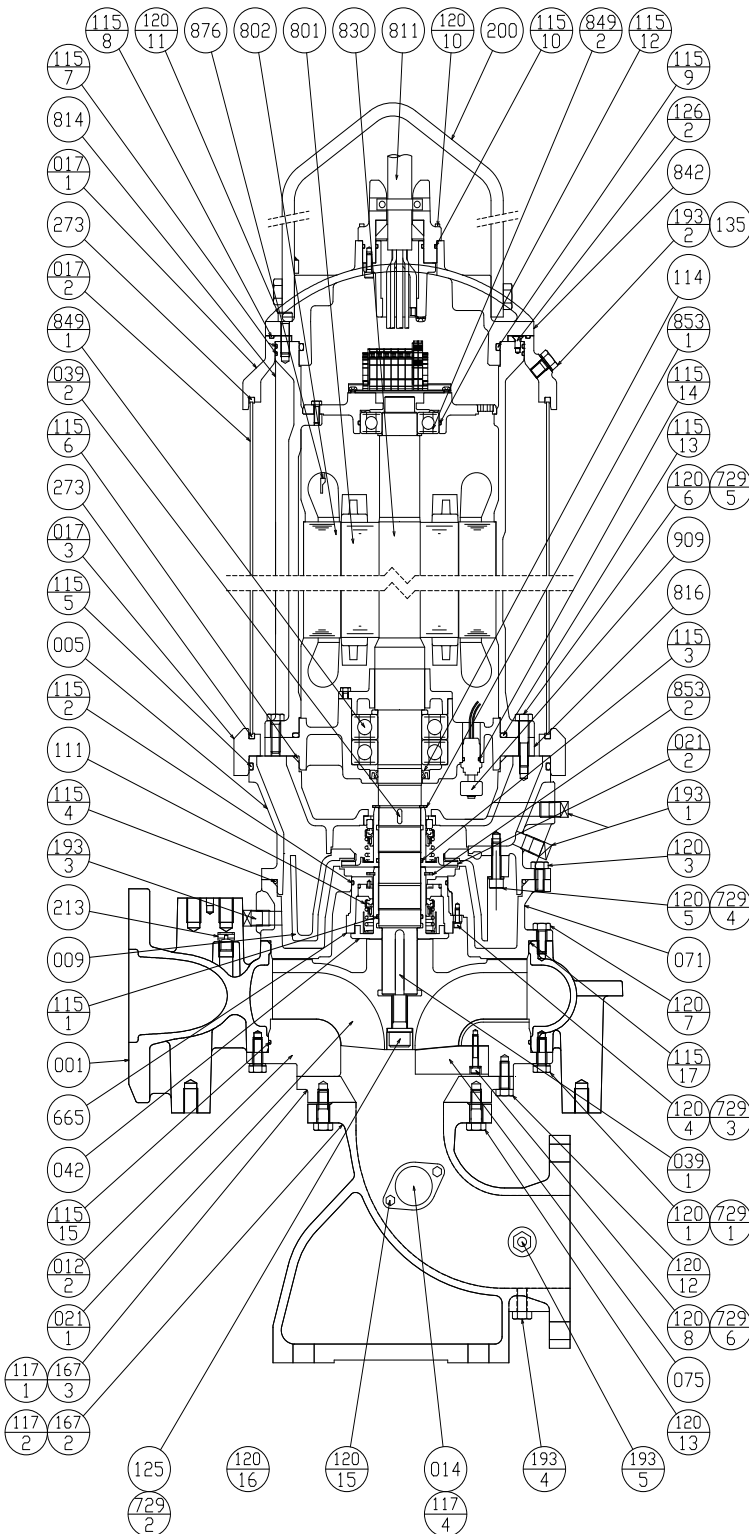


ID	Part Name	Material	QTY	
			A	B
001	Pump Casing	Cast Iron(FC250) / Ductile Cast Iron (FCD400)	1	1
005	Intermediate Casing	Cast Iron(FC200)	1	1
009	Inner Casing	Cast Iron(FC200)	1	1
012-2	Suction Cover	Cast Iron(FC250)	1	1
014	Drain Cover	Cast Iron(FC250)	1	1
017-1	Upper Cover	Cast Iron(FC250)	1	1
017-2	Jacket Body	Stainless Steel (SUS304)	1	1
017-3	Bottom Ring	Cast Iron(FC250)	1	1
021-1	Pump Impeller	Cast Iron(FC250) / Ductile Cast Iron (FCD400)	1	1
021-2	ICS Impeller	Stainless Steel (SCS13)	1	1
039-1	Key	Stainless Steel (SUS420)	1	1
039-2	Key	Stainless Steel (SUS316)	1	1
042	ICS Sleeve	Stainless Steel (SCS13)	1	1
071	Side Plate	Cast Iron(FC250)	1	1
075	Guide Pin	Ductile Cast Iron (FCD400)	1	1
111	Mechanical Seal	-	1 set	1set
114	Oil seal	-	1	1
115-1	O-ring	NBR	1	1
115-2	O-ring	NBR	1	1
115-3	O-ring	NBR	1	1
115-4	O-ring	NBR	1	1
115-5	O-ring	NBR	1	1
115-6	O-ring	NBR	1	1
115-7	O-ring	NBR	2	2
115-8	O-ring	NBR	1	1
115-9	O-ring	NBR	1	1
115-10	O-ring	NBR	1	1
115-12	O-ring	NBR	1	1
115-13	O-ring	NBR	1	1
115-14	O-ring	NBR	1	1
115-15	O-ring	NBR	1	1
115-17	O-ring	NBR	1	1
117-1	Gasket	-	N/A	1
117-2	Gasket	-	N/A	1
117-3	Gasket	-	1	N/A
117-4	Gasket	-	1	1
120-1	Bolt	Stainless Steel (SUS304)	8	8
120-2	Bolt	Stainless Steel (SUS304)	8	8
120-3	Bolt	Stainless Steel (SUS304)	8	8
120-4	Bolt	Stainless Steel (SUS304)	4	4
120-5	Bolt	Stainless Steel (SUS304)	4	4
120-6	Bolt	Stainless Steel (SUS304)	4	4
120-8	Bolt	Stainless Steel (SUS304)	2	2
120-9	Bolt	Stainless Steel (SUS304)	3	3
120-10	Bolt	Stainless Steel (SUS304)	4	4
120-11	Bolt	Stainless Steel (SUS304)	4	4
120-12	Bolt	Stainless Steel (SUS304)	N/A	8
120-13	Bolt	Stainless Steel (SUS304)	N/A	12
120-14	Bolt	Stainless Steel (SUS304)	8	N/A
120-15	Bolt	Stainless Steel (SUS304)	2	2
120-16	Anchor Bolt	Stainless Steel	4	4
125	Impeller Bolt	Stainless Steel (SUS304)	1	1
126-2	Countersunk Screw	Stainless Steel (SUS304)	4	4
135	Seal Washer	-	2	2
167-2	Suction Elbow	Cast Iron (FC200)	1	1
167-3	Attachment	Stainless Steel	N/A	1
193-1	Plug	Stainless Steel (SUS304)	2	2
193-2	Plug	Stainless Steel (SUS304)	2	2
193-3	Plug	Stainless Steel (SUS304)	1	1
193-4	Plug	Stainless Steel (SUS304)	1	1
193-5	Plug	Stainless Steel (SUS304)	1	1
200	Lifting Hanger	Stainless Steel (SUS304)	1	1
213	Air Vent Valve	Brass (C3604)	1	1
273	Seal Packing	NBR	2	2
665	ICS Housing	Cast Iron (FC200)	1	1
729-1	Spring Washer	Stainless Steel (SUS304)	8	8
729-2	Spring Washer	Stainless Steel (SUS304)	1	1
729-3	Spring Washer	Stainless Steel (SUS304)	4	4
729-4	Spring Washer	Stainless Steel (SUS304)	4	4
729-5	Spring Washer	Stainless Steel (SUS304)	4	4
729-6	Spring Washer	Stainless Steel (SUS304)	2	2
800	Motor	-	1	1
811	Submersible Cable	-	1	1
814	Motor Frame	Cast Iron (FC200)	1	1
816	Power Side Bracket	Cast Iron (FC200)	1	1
830	Shaft	Stainless Steel (SUS304)	1	1
842	Motor Cover	Cast Iron (FC200)	1	1
849-1	Ball Bearing	-	1	1
849-2	Ball Bearing	-	1	1
853-1	C-Type Snap Ring	-	1	1
853-2	C-Type Snap Ring	-	1	1
876	Thermal Protector	-	3	3
909	Leakage Detector	-	1	1

Sectional View

View 4

100DDKEB(X)U 20HP,



ID	Part Name	Material	Qty A
001	Pump Casing	Ductile Cast Iron (FCD400)	1
005	Intermediate Casing	Cast Iron(FC200)	1
009	Inner Casing	Cast Iron(FC200)	1
012	Suction Cover	Cast Iron(FC250)	1
014	Drain Cover	Cast Iron (FC200)	1
017-1	Upper Cover	Cast Iron(FC250)	1
017-2	Jacket Body	Stainless Steel (SUS304)	1
017-3	Bottom Ring	Cast Iron(FC250)	1
021-1	Pump Impeller	Ductile Cast Iron (FCD400)	1
021-2	ICS Impeller	Stainless Steel (SCS13)	1
039-1	Key	Stainless Steel (SUS420)	1
039-2	Key	Stainless Steel (SUS316)	1
042	ICS Sleeve	Stainless Steel (SCS13)	1
071	Side Plate	Cast Iron(FC250)	1
075	Guide Pin	Ductile Cast Iron (FCD400)	1
111	Mechanical Seal	-	1 set
114	Oil seal	-	1
115-1	O-ring	NBR	1
115-2	O-ring	NBR	1
115-3	O-ring	NBR	1
115-4	O-ring	NBR	1
115-5	O-ring	NBR	1
115-6	O-ring	NBR	1
115-7	O-ring	NBR	2
115-8	O-ring	NBR	1
115-9	O-ring	NBR	1
115-10	O-ring	NBR	1
115-12	O-ring	NBR	1
115-13	O-ring	NBR	1
115-14	O-ring	NBR	1
115-15	O-ring	NBR	1
115-17	O-ring	NBR	1
117-1	Gasket	-	1
117-2	Gasket	-	1
117-4	Gasket	-	1
120-1	Bolt	Stainless Steel (SUS304)	8
120-2	Bolt	Stainless Steel (SUS304)	8
120-4	Bolt	Stainless Steel (SUS304)	4
120-5	Bolt	Stainless Steel (SUS304)	4
120-6	Bolt	Stainless Steel (SUS304)	4
120-7	Bolt	Stainless Steel (SUS304)	8
120-8	Bolt	Stainless Steel (SUS304)	2
120-9	Bolt	Stainless Steel (SUS304)	3
120-10	Bolt	Stainless Steel (SUS304)	4
120-11	Bolt	Stainless Steel (SUS304)	4
120-12	Bolt	Stainless Steel (SUS304)	8
120-13	Bolt	Stainless Steel (SUS304)	8
120-15	Bolt	Stainless Steel (SUS304)	2
120-16	Anchor Bolt	Stainless Steel	4
125	Impeller Bolt	Stainless Steel (SUS304)	1
126-2	Countersunk Screw	Stainless Steel (SUS304)	4
135	Seal Washer	-	2
167-2	Suction Elbow	Stainless Steel	1
167-3	Attachment	Stainless Steel	1
193-1	Plug	Stainless Steel (SUS304)	2
193-2	Plug	Stainless Steel (SUS304)	2
193-3	Plug	Stainless Steel (SUS304)	1
193-4	Plug	Stainless Steel (SUS304)	1
193-5	Plug	Stainless Steel (SUS304)	1
200	Lifting Hanger	Stainless Steel (SUS304)	1
213	Air Vent Valve	Brass (C3604)	1
273	Seal Packing	NBR	2
665	ICS Housing	Cast Iron (FC200)	1
729-1	Spring Washer	Stainless Steel (SUS304)	8
729-2	Spring Washer	Stainless Steel (SUS304)	1
729-3	Spring Washer	Stainless Steel (SUS304)	4
729-4	Spring Washer	Stainless Steel (SUS304)	4
729-5	Spring Washer	Stainless Steel (SUS403)	4
729-6	Spring Washer	Stainless Steel (SUS304)	2
800	Motor	-	1
811	Submersible Cable	-	1
814	Motor Frame	Cast Iron (FC200)	1
816	Power Side Bracket	Cast Iron (FC200)	1
830	Shaft	Stainless Steel (SUS304)	1
842	Motor Cover	Cast Iron (FC200)	1
849-1	Ball Bearing	-	1
849-2	Ball Bearing	-	1
853-1	C-Type Snap Ring	-	1
853-2	C-Type Snap Ring	-	1
876	Thermal Protector	-	3
909	Leakage Detector	-	1