

*Large Capacity Contractor Sand Pumps*

*4-pole motor, high performance & large capacity, high/low head inter-changeable for handling extremely abrasive medias.*

**Output:**

19Kw - 22Kw - 30Kw

**Features:****- Construction:**

- Completely water-tight cable entry sealed with epoxy resin.
- Durable semi-interior cast iron outer case achieves superior heat dissipation.
- Stainless steel strainer.

**- Motor:**

- Oil-free hermetically sealed, with built-in thermal overload protector.
- 3 phase, 4 pole, 50Hz 1450 rpm or 60Hz 1740 rpm, Insulation Class F=155°C, Protection Type IP68.

**- Bearing:**

- The motor shaft is supported by lubricated-for-life and maintenance free ball bearings.

**- Shaft sealing:**

- Shaft in high quality corrosion-resistant stainless steel.
- Double SIC (Silicon Carbide) mechanical seals ensure greatest durability.
- Oil chamber filled with oil ISO VG32.

**- Impeller:**

- The well-balanced impeller is made of High Chrome Steel with hardness 55-58 Rockwell C.
- High/low head are inter-changeable by merely changing impeller and discharge coupling.

**- Inlet Plate & Pump Casing:**

- Made of wear-resistant ductile iron to withstand very abrasive liquids.

**- Others:**

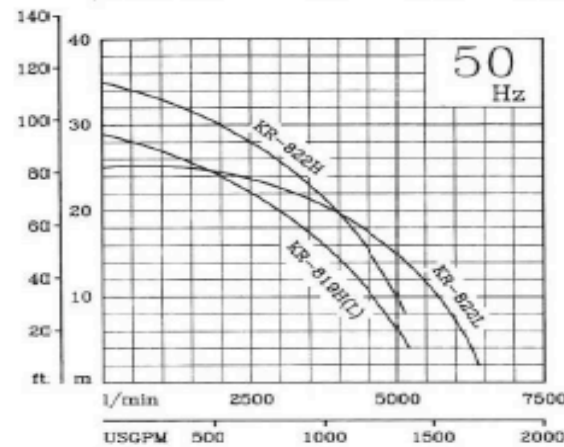
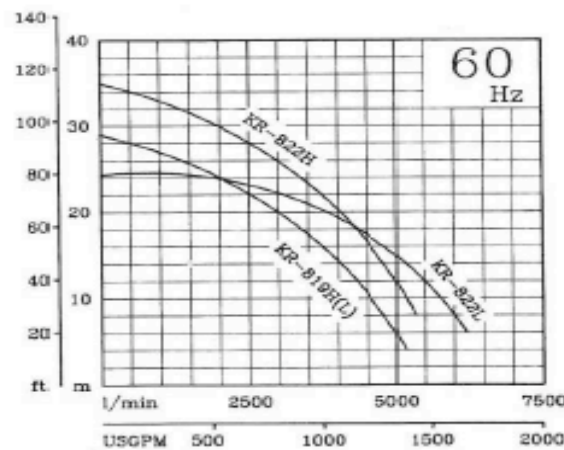
- Max. liquid temperature: 40°C (104°F)
- Depth submerged  $\geq 10\text{M}$
- Standard cable:  $4\text{C} \times 22\text{mm}^2 \times 30\text{mm (Dia.)} \times \text{g m (Length)}$

**Applications:**

- \* General construction & civil engineering application.
- \* Tunnel & subway construction, mining and reclamation operation.

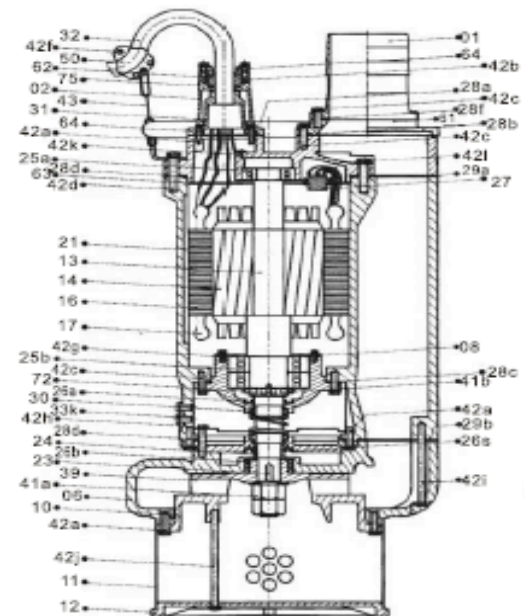
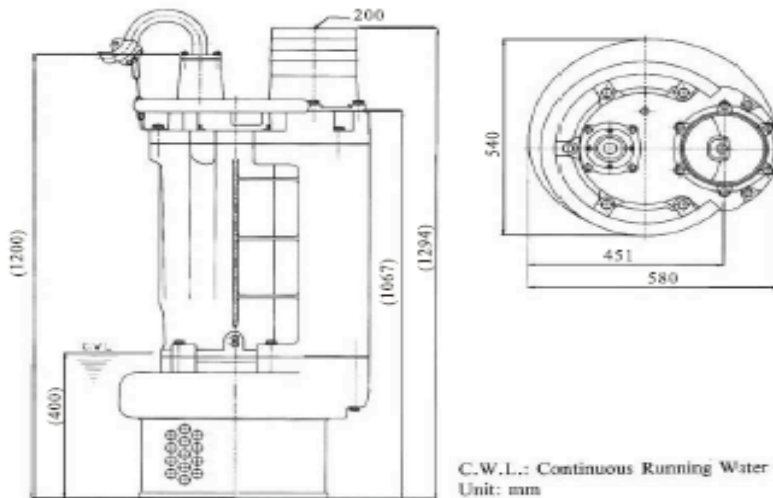
## Part List:

No.	Description	Material
1	Hose Tail	FC200
2	Cable Gland	FC200
3	Gland Cover A	FC200
4	Upper Cover	FC200
6	Pump Casing	FCD450
7	Bearing Block	FC200
8	Bearing Disc	SPC
9	Seal Block	FC200
10	Inlet Plate	FCD450
11	Strainer	SUS304
12	Bottom Plate	FCD450
13	Shaft	SUS420J2
14	Rotor	Silicon Steel
16	Stator	Silicon Steel
17	Coil	
20	Handle	SUS304
21	Motor Frame	FC200
23	Key	SUS304
24	Shaft Sleeve	SUS420J2
25a-b	Bearing	Ball Bearing
26a-b	Oil Seal	NBR
27	Motor Protector	
28a-f	O-Ring	NBR
29a-b	Gasket	NBR
30	Mech. Seal	SIC/SIC
31	Cable Sleeve	NBR
32	Cable	Rubber
33	Plug Tube	Brass
39	Impeller	HCR
41a-b	Nut	SUS304
42a-m	Screw	SUS304
43	Steel Ring	SUS304
50	Grip	SUS304
61	Coupling	FC200
62	Gasket	NBR
63	Coil Cover	SPC
64	Gland Cover B	FC200
75	Collar	SPC



## Sectional Drawing:

## Dimensions:



## Technical Specifications:

Type	Outlet		Output		Voltage	Nor.	Head	Nor.	Capacity	Max.	Head	Max.	Capacity	Solid Passing		Weight	
	mm	inch	Kv	Hp		m	Ft.	l/min.	USGPM	m	Ft.	l/min.	USGPM				
KR-819H	200	8	19	25	3p,220/380 415/440	20	65.6	3000	793	29	95	5500	1453	30	1.2	395	871
KR-819L	200	8	19	25		15	49.2	4000	1057	29	95	5500	1453			395	871
KR-822H	200	8	22	30		30	98.4	2000	528	35	115	5500	1453			410	904
KR-822L	200	8	22	30		15	49.2	5000	1321	25	82	6500	1717			410	904

\* All specifications are subject to change without notice.