

# **KGH series 50 / 60Hz Submersible High-Head Sand Pumps**



## **ECT PUMP**



Compact design, high performance and durability for handling extremely abrasive media, ranging from general construction to civil engineering.

### **APPLICATIONS**

1. General construction & civil engineering application.
2. Tunnel & subway construction, mining and reclamation operation.
3. Deep-well pre-dewatering.

### **FEATURES**

#### **Construction**

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

#### **Motor**

1. Oil-free hermetically sealed, with built-in thermal overload protectot
2. 3 phase, 2 pole 50Hz 2850rpm or 60Hz 3450rpm, Insulation Class F=155°C Protection type IP68.

#### **Bearing**

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

#### **Shaft sealing**

1. Shaft in high quality corrosion-resistant stainless steel.
2. Double mechanical seals (one TC / TC or SIC / SIC+one Carbon /Ceramic) ensure greatest durability.
3. Oil chamber filled with oil ISO VG#32.

#### **Impeller**

1. The wll-blanced impeller is made of High Chrome Steel in multi-van design with hardness 55-58 Rockwell C.
2. High head / low volume and low head / high volume are inter-changeable by merely changing impeller and idscharge outlet.

#### **Inlet Plate**

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

#### **Others**

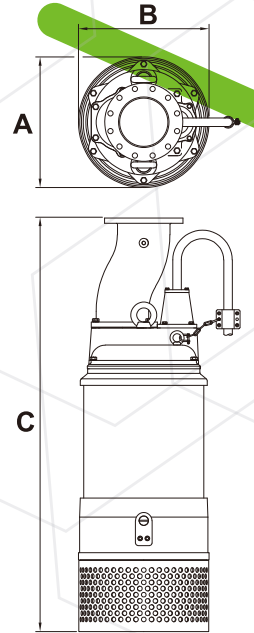
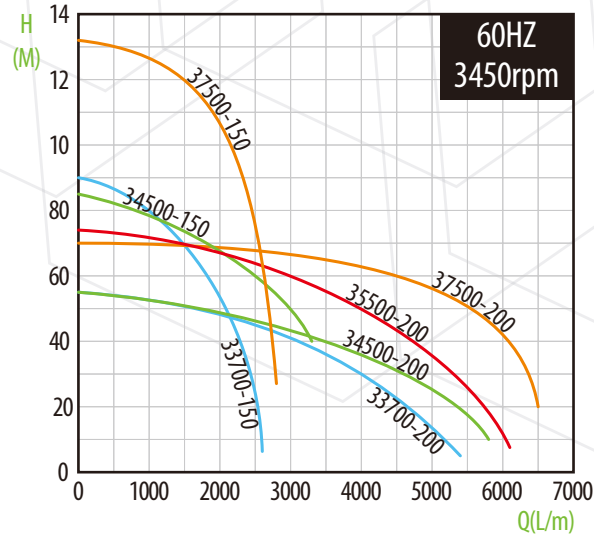
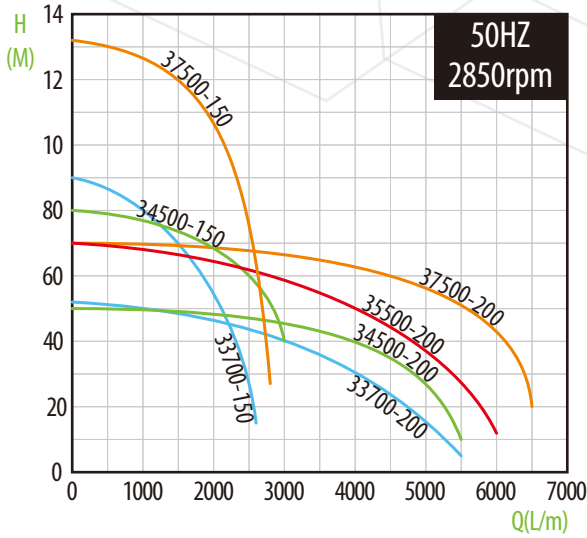
1. Max liquid tempercture : 40°C (104°F)
2. Depth submerged :  $\nabla$  10M
3. Standard cable : 37-45kW 4C X 38mm X 10m(Length)  
55-75kW 4C X 60mm X 10m(Length)



# KGH series Submersible High-Head Sand Pumps

## ECT PUMP

### PERFORMANCE CURVE



### SPECIFICATION

Model	Power HP(kW)	Discharge Inch(mm)	Phase $\emptyset$	Pole P	Std. Head M	Std. Flow LPM	Max. Head M	Max. Flow LPM	Dimension (mm)			Solids Passage mm	Weight KG
									A	B	C		
KGH-33700-150	50 (37)	6" (150)	3 $\emptyset$	2	80	1000	90	2600	530	530	1565	6	505
KGH-33700-200	50 (37)	8" (200)	3 $\emptyset$	2	35	3600	55	5400	530	530	1585	20	495
KGH-34500-150	60 (45)	6" (150)	3 $\emptyset$	2	60	2500	85	3300	530	530	1565	6	520
KGH-34500-200	60 (45)	8" (200)	3 $\emptyset$	2	35	4500	55	5800	530	530	1585	20	520
KGH-35500-200	75 (55)	8" (200)	3 $\emptyset$	2	50	4000	74	6100	550	550	1745	20	810.
KGH-37500-150	100 (75)	6" (150)	3 $\emptyset$	2	120	1500	132	2800	550	550	1745	6	850
KGH-37500-200	100 (75)	8" (200)	3 $\emptyset$	2	60	4500	70	6500	550	550	1745	20	850

### MATERIAL CONSTRUCTION

No.	Part	Materials
1	Cable	VCT
2	Hose Tail	FCD-500
3	Lift Ring	-
4	Upper Cover	FCD-500
5	Upper Bearing Block	FCD-500
6	Motor Frame	FC-200
7	Shaft	SUS410
8	Outer Case	SS41
9	Bottom Bearing Block	FCD-500
10	Bearing	-
11	Mech. Seal Block	FCD-500
12	Mech. Seal	SIC / SIC
13	Pump Casing	FC-250
14	Impeller	HCR
15	Suction Casing Cover	FC-250 / HCR
16	Strainer	SS41

