

Submersible Agitator Pumps

HS Series

#Agitator / #Durability / #MuddyWater



HS-615C

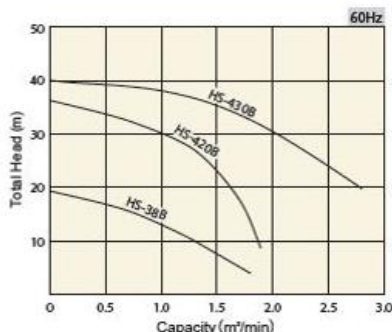
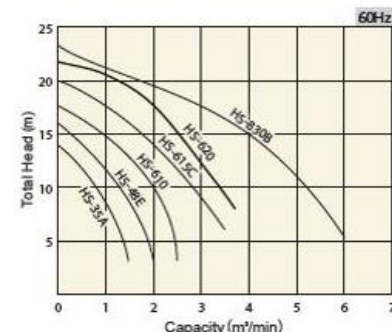
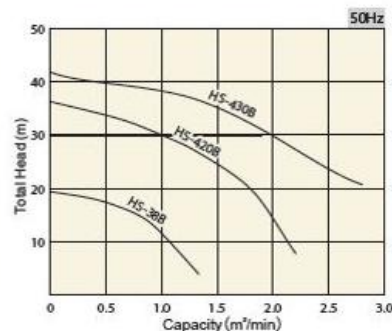
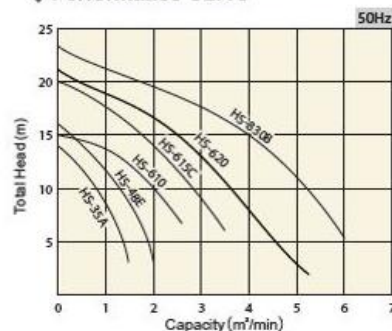
HS-420B

- HS series pumps equipped with an agitator as the standard.
- Sands in water is smoothly transferred as the agitator effectively stirs sands in water.
- A waer-resistance material is used for the agitator and the impeller of HS series pumps.
- A powerful performance by HS series pumps achieves a wide range of agitation.
- The back pressure releasing mechanism is adopted to enable a long service life of the mechanical seal.
- (EXCEPT HS-610 & HS-830B)

◆Applications

- Dewatering on construction sites
- Agitation and transfer of sands in water
- Collection of sands and pebbles in water
- Removal of mill scales
- Dredging work on marine and river construction sites
- Removal of sediments in water
- Dredging of muddy water in mines

◆Performance Curve



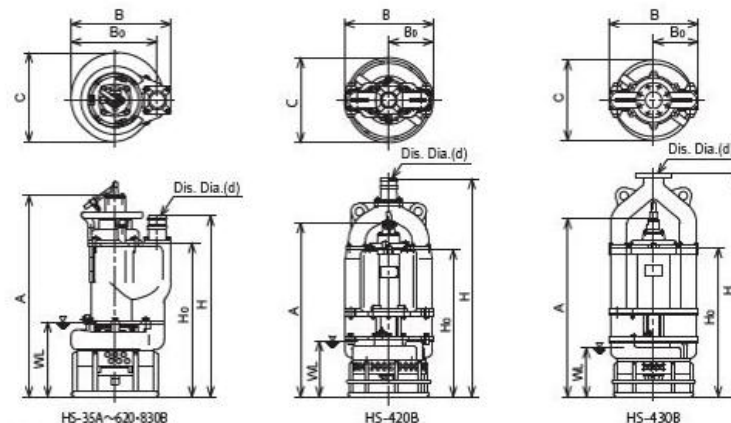
◆Main Specifications

Discharge Diameter (mm)		80	80	100	150	150	150	100	100	200
Pump Models		HS-35A	HS-38B	HS-48E	HS-610	HS-615C	HS-620	HS-420B	HS-430B	HS-830B
Motor Output (kW)		3.7	5.5	5.5	7.5	11	15	15	22	22
Medium	Type	Rain Water / Spring Water / Muddy Water								
	Temperature	Max 40 Degrees Celsius								
Pump	Shaft Seal	Double Type Mechanical Seal								
	Shaft Bearing	Sealed Ball Bearing								
	Impeller	High Chrome								
	Casing	*FC						*FCD		*FC
Motor	Type/Pole	Dry Type Induction Motor / 4pole								
	Insulation Class	B			F		B		F	
	Protector	Auto-cut							Miniature Thermal Protector	Auto-cut
	Frame	*FC								
	Shaft	Stainless Steel								
Discharge Type		Hose Coupling							Flange	Hose Coupling

*FCD : Ductile Cast Iron / FC : Cast Iron

◆Specifications

Discharge Diameter (mm)	Pump Models	Motor Output (kW)	Total Head (m)	Capacity (m³/min)	Starting	Max Solid Through (mm)	Weight (kg) *Without Cable	Cable Length (m)
80	HS-35A	3.7	10	0.8	DOL	22	110	10
80	HS-38B	5.5	15	0.8	DOL	22	119	10
100	HS-48E	5.5	10	1.3	DOL	25	119	10
150	HS-610	7.5	10	2	DOL	35	200	10
150	HS-615C	11	14	2	DOL	35	240	10
150	HS-620	15	15	2.5	DOL	35	240	10
100	HS-420B	15	27	1.3	DOL	18	350	15
100	HS-430B	22	35	1.5	DOL	18	420	15
200	HS-830B	22	15	4	DOL	40	355	10



◆External Diagrams (mm)

Pump Models	d	H	H ₀	A	B	B ₀	C	WL
HS-35A	80	731	621	811	402	347	367	300
HS-38B (50Hz)	80	734	624	814	405	350	366	300
HS-38B (60Hz)	80	731	621	811	402	347	367	300
HS-48E	100	731	621	811	402	347	368	300
HS-610	150	840	646	821	513	432	440	350
HS-615C	150	1,027	833	1,008	541	460	469	400
HS-620	150	1,027	833	1,008	541	460	469	400
HS-420B	100	1,299	877	1,035	530	265	507	330
HS-430B	100	1,350	900	1,075	540	270	507	330
HS-830B	200	1,144	914	1,179	617	508	534	390

WL: Pump Starting Level