

The body of motor and pump is made of hard cast iron for long-lasting durability.  
Greatly increased maximum submersion depth due to mechanical seal resistant to high pressure.  
Hydraulic part under the motor and motor cooled by the pumped water for safe operation also with the pump only partially immersed. The top outlet design maximize the space.  
Hermetically sealed motor equipped.  
Discharge 100mm(4") to 200mm(8"), motor 22kW (30HP) to 110 kW (150HP).  
Motor is dry type submersible induction motor (2 poles).

## Application

- Deep-well pre-dewatering or high-head dewatering
- Civil engineering and construction works
- Mines, quarries, coal ore & slurries
- Sewage treatment plants
- General pumping purposes

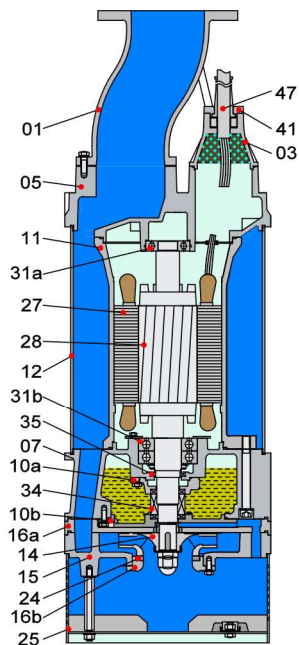
## Specification

- Capacity: up to 408m<sup>3</sup>/h
- Head: up to 205 meters
- Power: 22kW (30HP) to 110 kW (150HP)
- Power supply: three phase 400V ± 10%, 50Hz  
380V ± 10%, 60Hz
- Insulation class: F
- Protection class: IP68
- Cable length: 20m
- Water temperature: up to 40°C
- Max. water depth: 30m

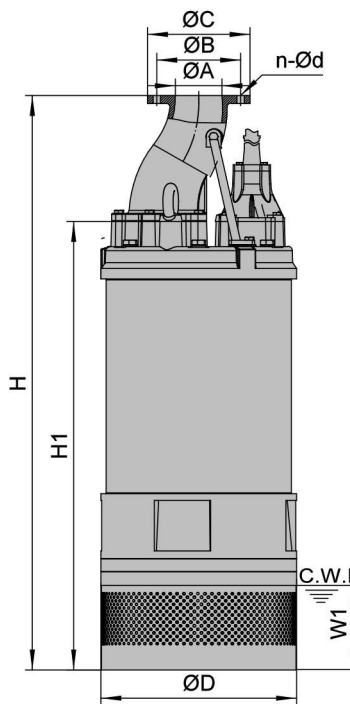
## Special features on request

- Other voltages
- The length of cable is optional





SH22-75kW



C.W.L.: Continuous running water level

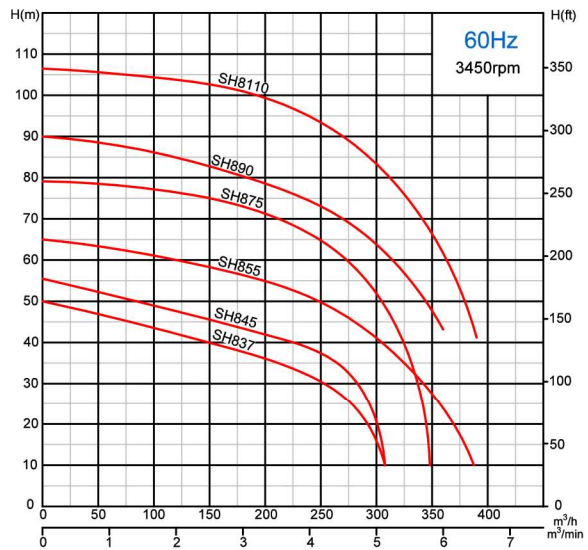
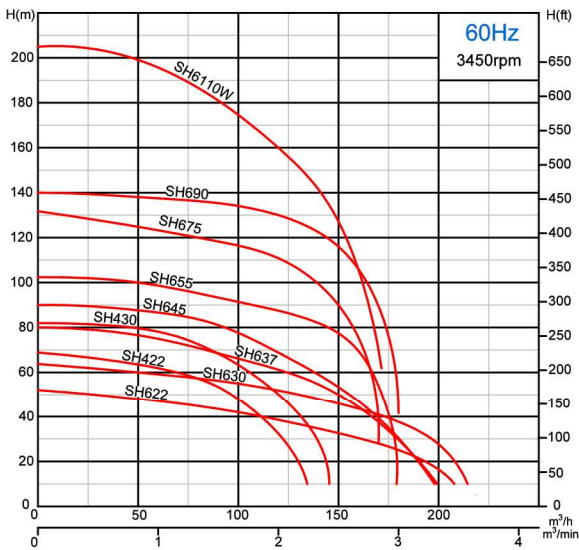
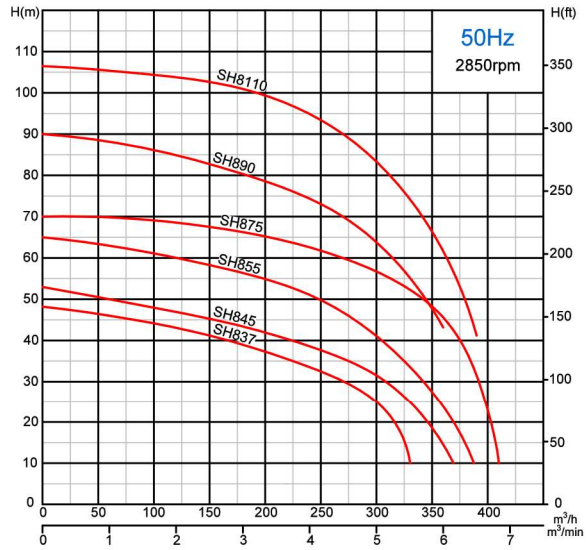
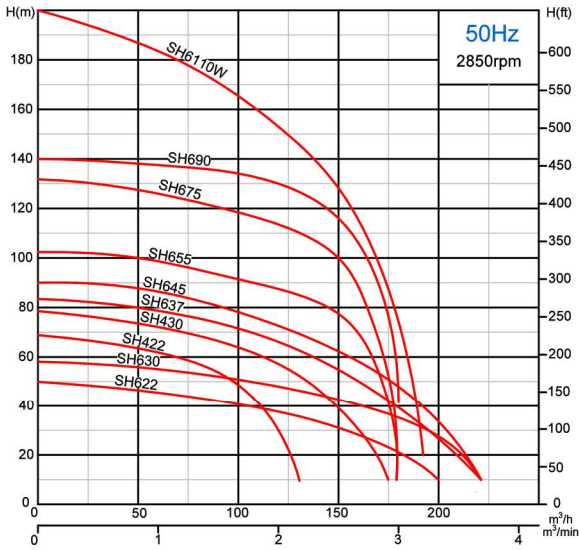
## Material of construction

Item No.	Part name	Material	Item No.	Part name	Material
01	Hose coupling	Ductile iron	16b	Inlet plate	Cast iron
03	Terminal box	Cast iron	24	Neck ring	High chrome alloy
05	Upper cover	Cast iron	25	Strainer	AISI304SS
07	Bearing house	Cast iron	27	Stator	
10a	Seal bracket	Cast iron	28	Rotor	Shaft:AISI420SS
10b	Seal bracket	Cast iron	31a	Bearing	Ball bearing
11	Motor body	Cast iron	31b	Bearing	Ball bearing
12	Outer casing	Steel	34	Mechanical seal	Tc-Sic/Sic-Sic
14	Impeller	High chrome alloy	35	Oil seal	
15	Diffuser	Ductile iron	41	Shim	Cast iron
16a	Inlet plate	Ductile iron	47	Cable	

## Dimensions & weights

Model (50/60Hz)	A	B	C	n-Ød	D	H	H1	W1	N.W	G.W	Packing dimension mm
	mm	mm	mm	mm	mm	mm	mm	mm	Kg	Kg	
SH422	100	180	220	8-Ø17.5	420	1374	1072	240	370	410	1495x490x700
SH430	100	180	220	8-Ø17.5	420	1374	1072	240	375	415	1495x490x700
SH622	150	240	285	8-Ø22	420	1434	1082	250	385	425	1565x490x700
SH630	150	240	285	8-Ø22	420	1434	1082	250	390	430	1565x490x700
SH637	150	240	285	8-Ø22	530	1424	1072	180	570	615	1555x600x850
SH645	150	240	285	8-Ø22	530	1424	1072	180	575	620	1555x600x850
SH837	200	295	340	12-Ø22	530	1474	1072	180	575	625	1605x600x850
SH845	200	295	340	12-Ø22	530	1474	1072	180	580	630	1605x600x850
SH655	150	240	285	8-Ø22	550	1630	1280	200	830	880	1765x620x910
SH675	150	240	285	8-Ø22	550	1630	1280	200	830	880	1765x620x910
SH855	200	295	340	12-Ø22	550	1680	1280	200	880	930	1815x620x910
SH875	200	295	340	12-Ø22	550	1680	1280	200	880	930	1815x620x910
SH690	150	250	300	8-Ø26	592	1687	1282	200	1110	1166	1825x665x965
SH890	200	295	340	12-Ø22	592	1687	1282	200	1120	1176	1825x665x965
SH6110W	150	250	300	8-Ø26	592	1793	1388	370	1245	1301	1875x665x965
SH8110	200	295	340	12-Ø22	592	1687	1282	200	1150	1206	1825x665x965

## Performance curves



## Performance table

Model (50/60Hz)	Outlet	Motor power		Rated current A	Rated capacity		Rated Head m	Max capacity		Max Head m	Impeller Passage mm
	mm	kW	HP		m³/h	m³/min		m³/h	m³/min		
SH422	100	22	30	41.5	66	1.1	60	130/138	2.17/2.3	68	6
SH430	100	30	40	54	72	1.2	70/75	170/144	2.83/2.4	78/82	6
SH622	150	22	30	41.5	120	2.0	37/40	200/210	3.33/3.5	50/52	15
SH630	150	30	40	54	140	2.33	45/48	220/216	3.67/3.6	58/64	15
SH637	150	37	50	66	120/100	2.0/1.7	65	220/198	3.67/3.3	83/80	6
SH645	150	45	60	80	120/100	2.0/1.7	75	220/198	3.67/3.3	90	6
SH837	200	37	50	66	216	3.6	35	330/306	5.5/5.1	48/50	20
SH845	200	45	60	80	270	4.5	35	372/305	6.2/5.1	53/56	20
SH655	150	55	75	100	90	1.5	90	180	3.0	102	8
SH675	150	75	100	134	90	1.5	120	180/168	3.0/2.8	132	8
SH855	200	55	75	100	240	4.0	50	390	6.5	65	20
SH875	200	75	100	134	270	4.5	60	408/348	6.8/5.8	70/78	20
SH690	150	90	120	162	120	2.0	128	180	3.0	140	10
SH890	200	90	120	162	270	4.5	70	360	6.0	90	20
SH6110W	150	110	150	198	120	2.0	150/160	192/171	3.2/2.85	200/205	8
SH8110	200	110	150	198	270	4.5	90	390	6.5	107	20

• Starting Method: Star-Delta