

The ELH is made out of cast iron with a high pressure mechanical seal. The pump needs to only be partially immersed, with the hydraulic part under the motor and the motor cooled by pumped water for safe operation. The top discharge designed maximizes space for tight sumps, which is perfect for several applications, including but not limited to, dewatering in underground mines. Discharge ranges from 100mm(4") to 200mm(8"), motor ranges from 22kW (30HP) to 110kW (150HP). Motor is a dry type submersible induction motor (2 poles).



Specification

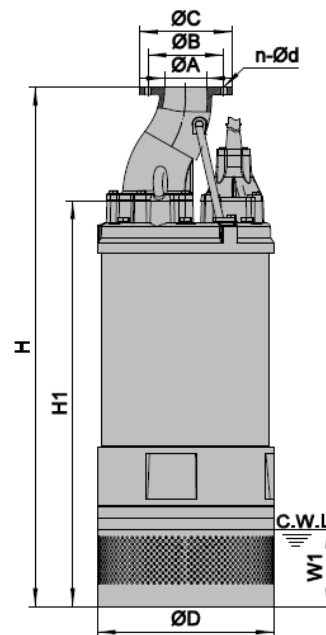
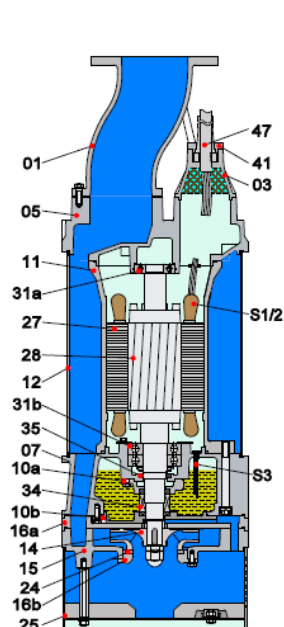
- Capacity: up to 1,800 GPM
- Head: up to 460 FT
- Power: 22kW (30HP) to 110 kW (150HP)
- Power Supply: three phase 400V ±10%, 50Hz
460V
±10%, 60Hz
- Insulation class: F
- Protection class: IP68
- Cable length: 65 ft
- Water temperature: up to 104 °F
- Max water depth: 100 ft

Application

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

Special features on request

- Other voltages
- Cable length is adjustable



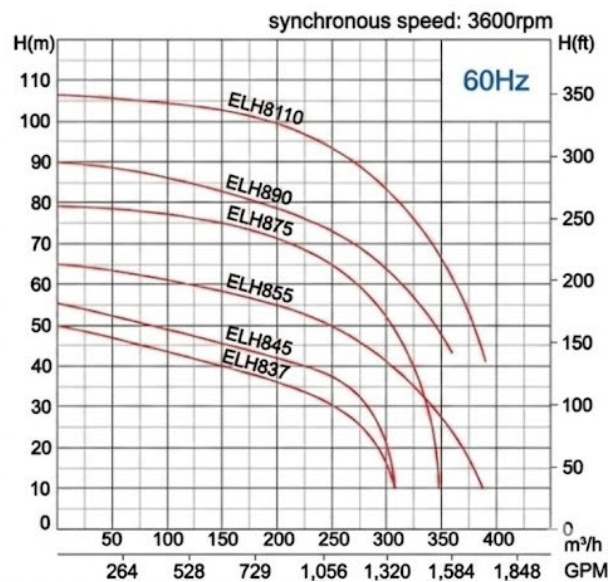
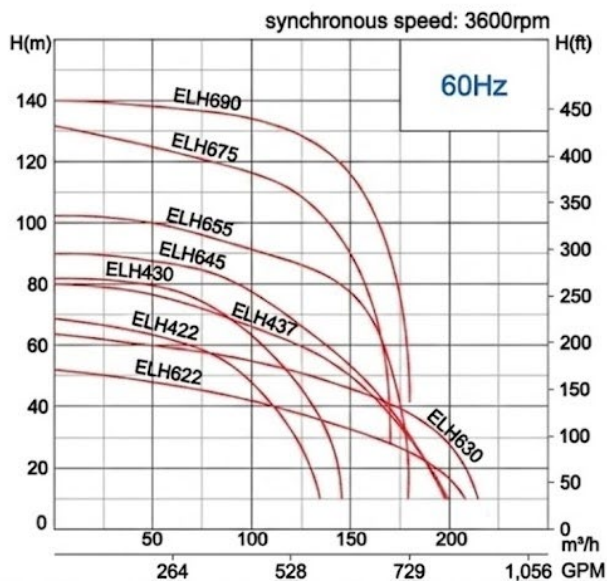
C.W.L: continuous running water level

Materials of components

Item No.	Part name	Material	Item No.	Part name	Material
01	Discharge connection	Ductile iron	25	Strainer	AISI201SS
03	Terminal box	Cast iron	27	Stator	
05	Upper cover	Cast iron	28	Rotor	Shaft:AISI420SS
07	Bearing house	Cast iron	31a	Bearing	
10a	Seal bracket	Cast iron	31b	Bearing	
10b	Seal bracket	Cast iron	34	Mechanical seal	To-Sic/Sb-Sic
11	Motor body	Cast iron	35	Oil seal	
12	Outer casing	Steel	41	Shim	Cast iron
14	Impeller	High chrome alloy	47	Cable	
15	Diffuser	Ductile iron	S1/2	Overheat protector	
16a	Inlet plate	Ductile iron	S3	Oil water leakage probe : 55~150kW (22~45kW : on option)	
16b	Inlet plate	Cast iron			
24	Neck ring	High chrome alloy			

Dimensions & weights

Model (50/60Hz)	A mm	B mm	C mm	n-Ød mm	D mm	H mm	H1 mm	W1 mm	N.W Kg	G.W Kg	Packing dimension mm
SH422	100	180	220	8-Ø18	420	1374	1072	240	370	410	1495x490x705
SH430	100	180	220	8-Ø18	420	1374	1072	240	375	415	1495x490x705
SH622	150	240	285	8-Ø22	420	1434	1082	250	385	425	1565x490x705
SH630	150	240	285	8-Ø22	420	1434	1082	250	390	430	1565x490x705
SH637	150	240	285	8-Ø22	530	1424	1072	180	570	615	1605x600x860
SH645	150	240	285	8-Ø22	530	1424	1072	180	575	620	1605x600x860
SH837	200	295	340	12-Ø22	530	1474	1072	180	575	625	1605x600x860
SH845	200	295	340	12-Ø22	530	1474	1072	180	580	630	1605x600x860
SH655	150	240	285	8-Ø22	550	1630	1280	200	840	890	1815x620x920
SH675	150	240	285	8-Ø22	550	1630	1280	200	888	938	1815x620x920
SH855	200	295	340	12-Ø22	550	1680	1280	200	850	900	1815x620x920
SH875	200	295	340	12-Ø22	550	1680	1280	200	898	948	1815x620x920
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
SH8110	200	295	340	12-Ø22	592	1687	1282	200	1150	1206	1825x665x965



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	41.5/42	66	1.1	60	130/138	2.17/2.3	68	6
SH430	100	30	40	54/56	72	1.2	70/75	170/144	2.83/2.4	78/82	6
SH622	150	22	30	41.5/42	120	2.0	37/40	200/210	3.33/3.5	50/52	15
SH630	150	30	40	54/56	140	2.33	45/48	220/216	3.67/3.6	58/64	15
SH637	150	37	50	66/68	120/100	2.0/1.7	65	220/198	3.67/3.3	83/80	6
SH645	150	45	60	80/82	120/100	2.0/1.7	75	220/198	3.67/3.3	90	6
SH837	200	37	50	66/68	216	3.6	35	330/306	5.5/5.1	48/50	20
SH845	200	45	60	80/82	270	4.5	35	372/305	6.2/5.1	53/56	20
SH655	150	55	75	100/104	90	1.5	90	180	3.0	102	8
SH675	150	75	100	134/139	90	1.5	120	180/168	3.0/2.8	132	8
SH855	200	55	75	100/104	240	4.0	50	390	6.5	65	20
SH875	200	75	100	134/139	270	4.5	60	408/348	6.8/5.8	70/78	20
SH690	150	90	120	162/166	120	2.0	128	180	3.0	140	10
SH890	200	90	120	162/166	270	4.5	70	360	6.0	90	20
SH8110	200	110	150	198/203	270	4.5	90	390	6.5	107	20

• Starting method: star-delta