

EKA series is an axial-flow or mixed-flow energy-saving pump with low head and large flow. The build-in channel structure pump draws water from the bottom and discharges water to the top through the side channel of motor, providing the best motor cooling and allowing long term continuous operation at low water level. AISI444 SS impeller, with superior wear and corrosion resistance, has a longer service life than bronze impeller in seawater or silter water applications. The motor casing and rotor shaft are made of AISI316L, which is even more resistance to seawater corrosion. The entire series is equipped with standard anodized aluminum block, which effectively slows down the corrosion of pump components from exposure to liquids with high chlorides, such as seawater.

Specification

- Capacity: up to 2,904 GPM
- Head: up to 164 FT
- Power Supply: Three phase 460V
±10%, 60Hz
- Single phase 120V
±10%, 60Hz
- Insulation class: F (1HP-3HP).
H (7.5HP-20HP)
- Protection class: IP68
- Cable length: 20 ft (1.0HP)
49 ft (2-20HP)
- Water temperature: up to 104 °F
- Max depth: 33 ft

Application

- Aquaculture water supply and drainage of seawater or freshwater
- General pumping purposes
- Water supply and drainage of ponds and lakes
- Landscaping

Special features on request

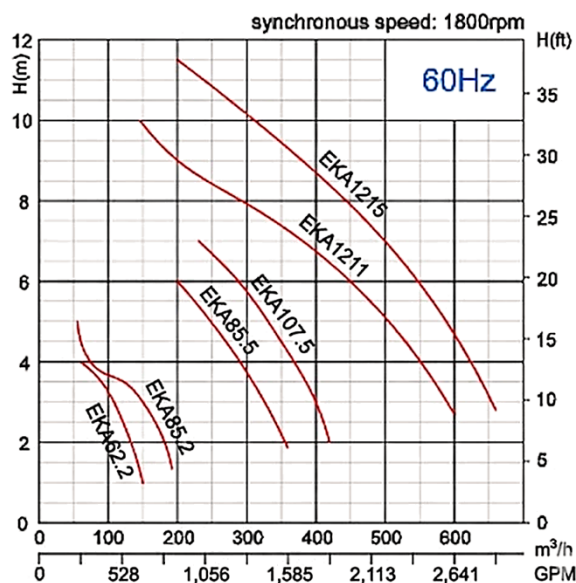
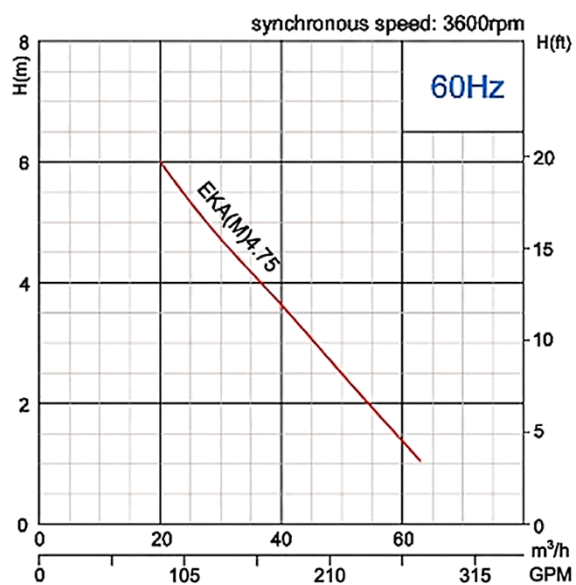
- Other voltages
- Cable length is adjustable



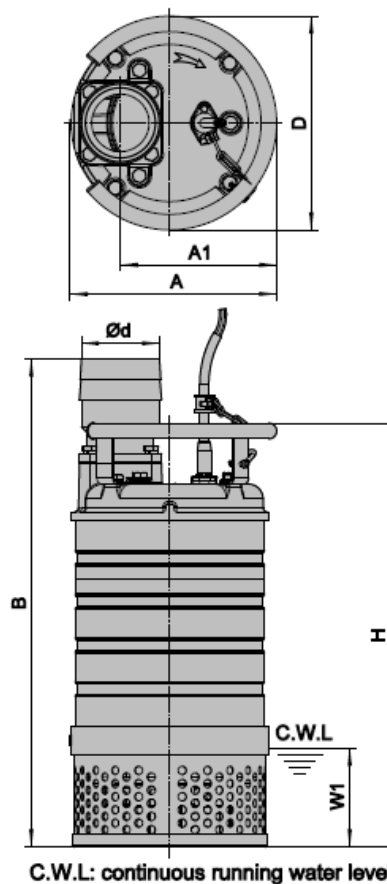
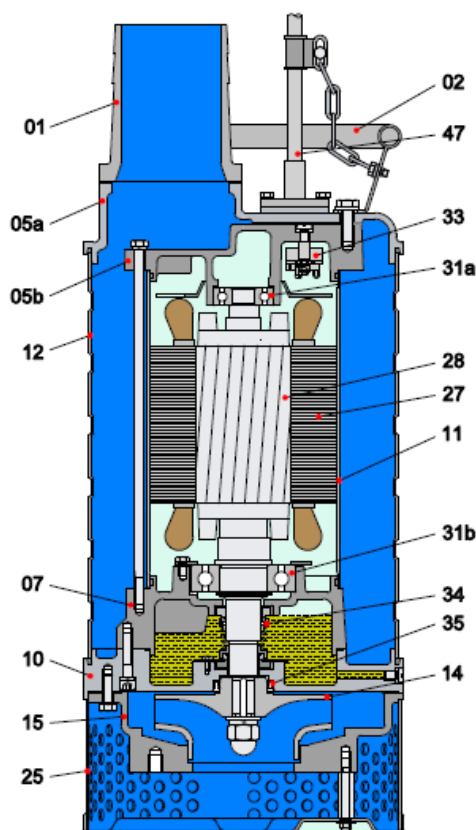
Axial-flow impeller
(0.75-7.5kW)



Mixed-flow impeller
(≥ 11kW)



Model	Outlet		Motor Power		Rated current (460)	Rate capacity		Rated head	Rated head	max capacity		Impeller passage
	mm	inch	kW	HP		m³/h	GPM			m³/h	GPM	
EKA(M)4.75	100	4	0.8	1	2.0	42.0	184.8	3.0	9.8	63.0	277.2	10
EKA61.5	150	6	1.5	2	3.7	120.0	528.0	2.3	7.5	162.0	712.8	20
EKA62.2	150	6	2.2	3	5.1	120.0	528.0	3.0	9.8	180.0	792	20
EKA85.5	200	8	5.5	7.5	11.7	240.0	1056.0	4.0	13.1	330.0	1452	22
EKA107.5	250	10	7.5	10	15.7	360.0	1584.0	4.0	13.1	480.0	2112	22
EKA1211	300	12	11	15	22.0	450.0	1980.0	5.0	16.4	540.0	2376	33
EKA1215	300	12	15	20	30.1	540.0	2376.0	6.0	19.7	660.0	2904	33



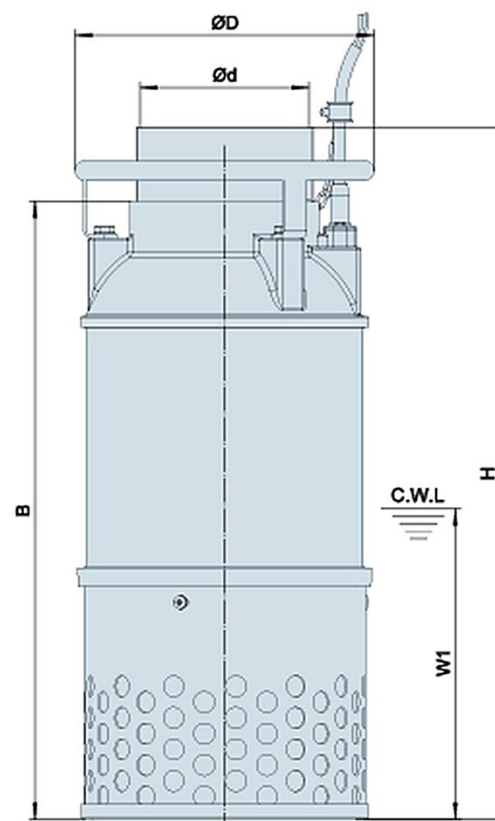
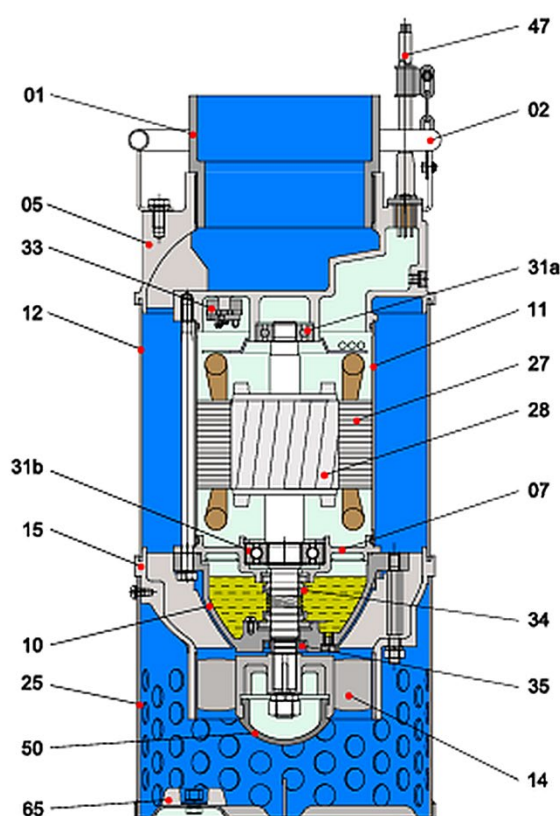
Materials of components

Item No.	Part name	Material	Item No.	Part name	Material
01	Discharge connection	PVC	28	Rotor	Shaft: AISI316LSS
02	Handle	AISI304SS	31a	Bearing	Ball bearing
05	Upper cover	Cast iron	31b	Bearing	Ball bearing
07	Bearing house	Cast iron	33	Motor protector	
10	Seal house	Cast iron	34	Mechanical seal	Sic-Ceramic/Carbon-Ceramic(0.75kW) Sic-Sio/Carbon-Ceramic(1.5-2.2kW)
11	Motor casing	AISI316LSS	35	Oil seal	
12	Outer casing	AISI304SS	47	Cable	H07RN-F
14	Impeller	AISI444SS	50	Sealing bowl	NBR
15	Diffuser	Cast iron	65	Cathodic protection plate	Aluminum die casting
25	Strainer	AISI304SS			
27	Stator				

Dimensions & weights

Model (50/60Hz)	d mm	B mm	D mm	H mm	W1 mm	N.W Kg	G.W Kg	Packing dimension mm
EKA(M)4.75	100	454	225	525	200	25	27	620×270×315
EKA61.5	150	602	285	672	300	47	51	750×320×345
EKA62.2	150	602	285	672	300	50	54	750×320×345

EKA: three phase; EKAM: single phase



C.W.L: continuous running water level

Materials of components

Item No.	Part name	Material	Item No.	Part name	Material
01	Discharge connection	PVC Optional: Cast iron	22	Seat assembly	Cast iron
05	Upper cover	Cast iron	25	Strainer	AISI304SS
06	Upper support	AISI444SS	27	Stator	
07	Bearing house	AISI444SS	28	Rotor	Shaft: AISI316LSS
10	Seal house	AISI444SS	31a	Bearing	Ball bearing
11	Motor casing	AISI316LSS	31b	Bearing	Ball bearing
12	Outer casing	AISI304SS	33	Motor protector	
14	Impeller	AISI444SS	34	Mechanical seal	Sic-Sic/Sic-Sic
15	Diffuser	Cast iron	35	Oil seal	
16	Inlet plate	Cast iron	47	Cable	H07RN-F
			65	Cathodic protection plate	Aluminum die casting

Dimensions & weights

Model (50/60Hz)	d mm	B mm	D mm	H mm	W1 mm	N.W Kg	G.W Kg	Packing dimension mm
EKA85.5	200	757	340	877	400	115	128	945x395x465
EKA107.5	250	825	390	975	500	145	160	1065x435x505
EKA1211	315(DN300)	848	445	1030	600	186	205	1105x495x565
EKA1215(Only 60Hz)	315(DN300)	878	445	1060	600	195	215	1105x495x565