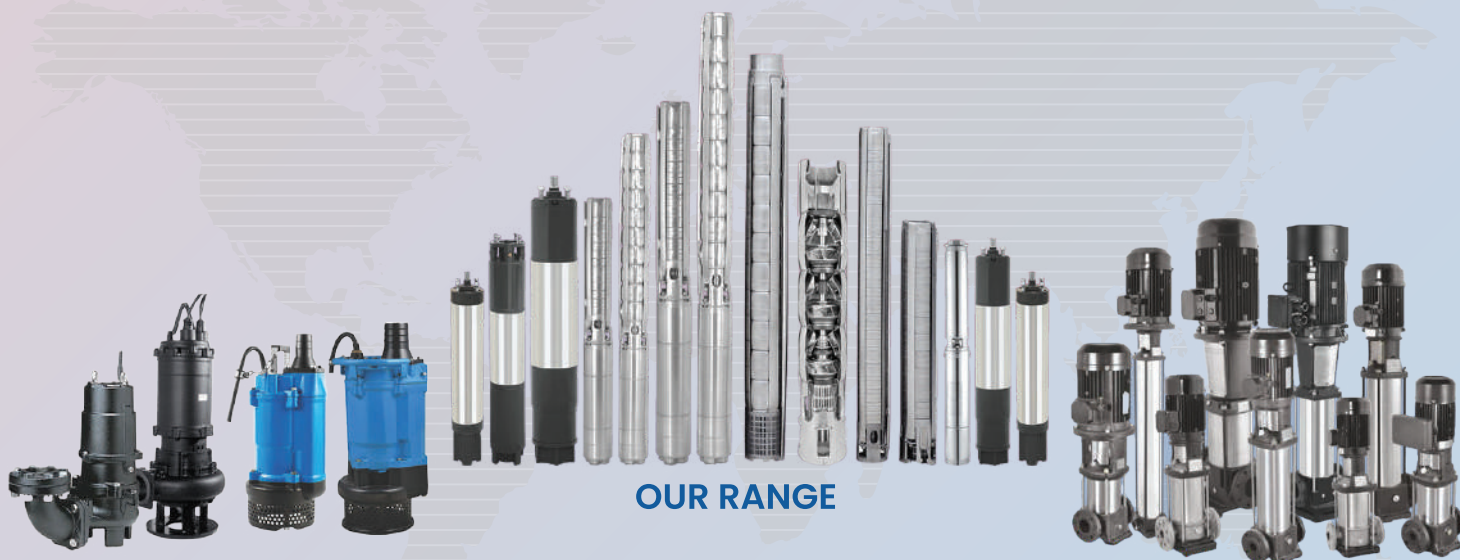




SUBMERSIBLE PUMPS KAZ SERIES

SLURRY PUMPS

Available in STAINLESS STEEL 304
STAINLESS STEEL 316



OUR RANGE

KAZ SERIES



TECHNICAL DATA

- Capacity: up to 160m³/h
- Head: up to 57 meters
- Power: 1.5kW (2HP) to 15 kW (20HP)
- Power supply: three phase 400V $\pm 10\%$, 50Hz
380V $\pm 10\%$, 60Hz
- Insulation class: F
- Protection class: IP68
- Cable length: 8m
- Water temperature: up to 40
- Max. water depth: 25m

SPECIFICATION

The body of motor and pump is made of rigid cast iron for long-lasting durability. Greatly increased maximum submersion depth due to mechanical seal resistant to high pressure. Semi-open impeller made of high chrome alloy match with wear plate (ductile iron) achieves superior durability. Effective motor cooling due to discharge channel cast as part of the motor housing. Space saved economically by a top outlet. Discharge 50mm(2") to 150mm(6"), motor 1.5kW (2HP) to 15 kW (20HP). Hermetically sealed motor equipped build-in thermal protection for the power below 15kW.

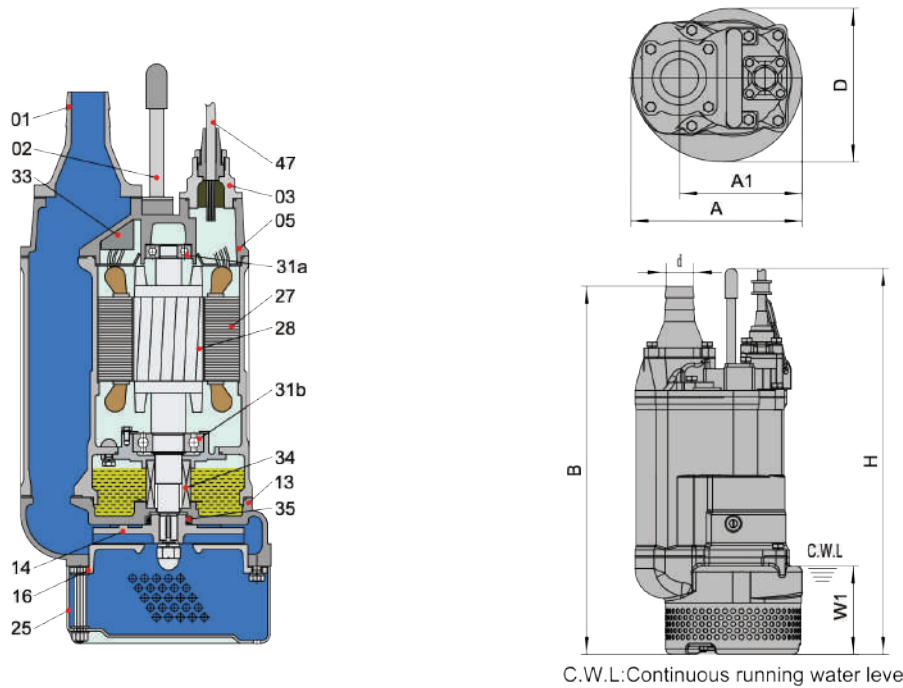
APPLICATION

- Civil engineering
- Mines, quarries, coal ore & slurries
- Sewage treatment plants
- General pumping purposes

SPECIAL FEATURES ON REQUEST

- Other voltages
- The length of cable is optional

KAZ SERIES



C.W.L.: Continuous running water level

Performance Chart

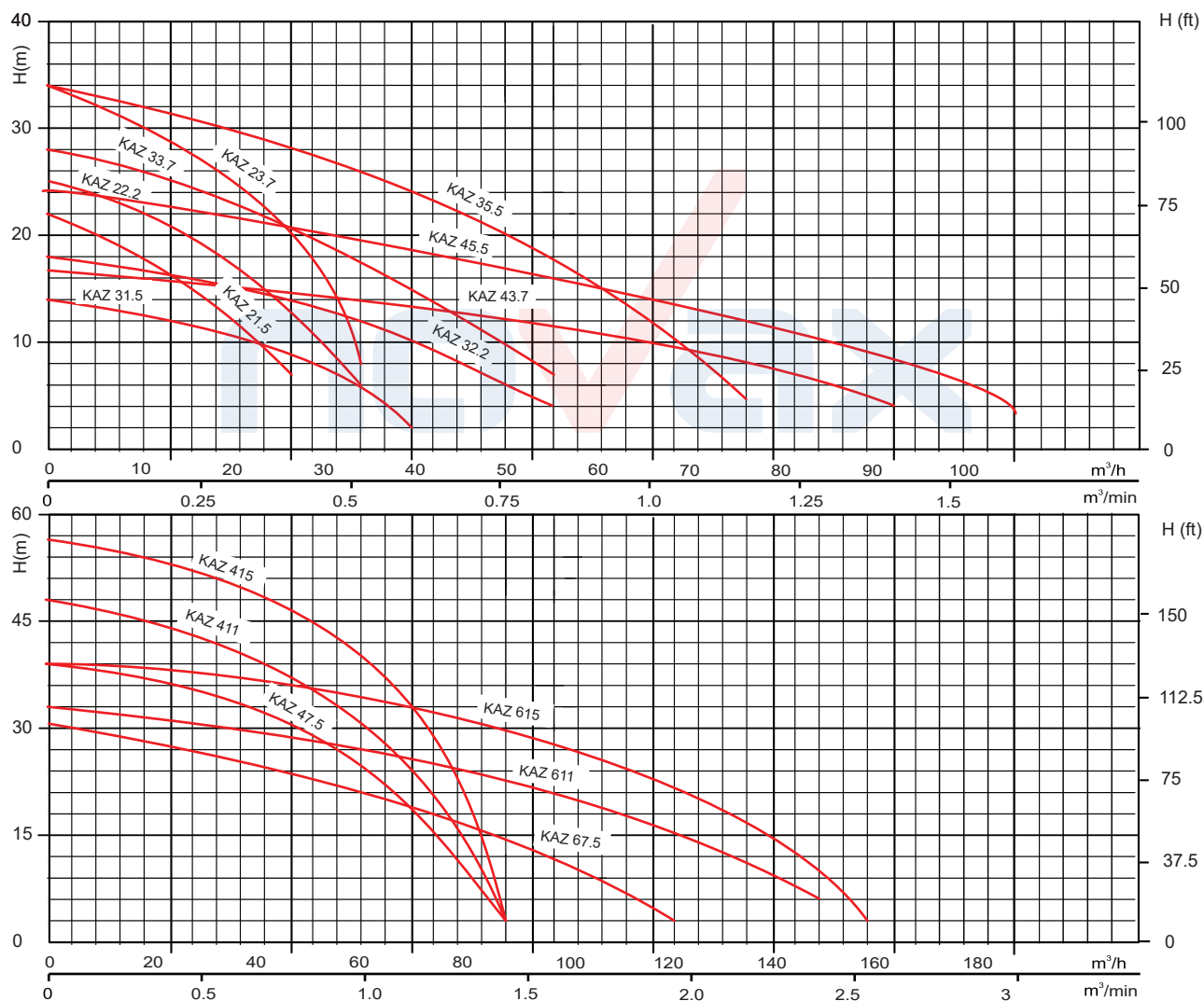
Item No.	Part Name	Material	Item No.	Part Name	Material
01	Hose coupling	Cast iron		Rotor	Shaft: AISI420SS
02	Handle	Rubber&steel		Bearing	Ball bearing
05	Upper cover	Cast iron		Bearing	Ball bearing
11	Motor body	Cast iron		Motor protector	< 11kW
13	Pump body	Cast iron		Mechanical seal	Sic-Sic/Carbon-Sic(<2.2kW) Sic-Sic/Sic-Sic(>3.7kW)
14	Impeller	High chrome alloy		Oil seal	
16	Inlet plate	Ductile iron		Cable	
25	Strainer	Steel			
27	Stator				

Dimensions & weights

Model (50/60Hz)	d mm	A mm	A1 mm	B mm	D mm	H mm	W1 mm	N.W Kg	G.W Kg	Packing dimension mm
KAZ21.5	50	235	173	545	216	505	120	36	40	622x265x275
KAZ31.5	80	235	173	545	216	505	120	36	40	620x265x275
KAZ22.2	50	235	173	545	216	505	120	39	43	620x265x275
KAZ32.2	80	235	173	545	216	505	120	39	43	620x265x275
KAZ23.7	50	283	208	628	252	629	150	63	68	710x320x295
KAZ33.7	80	283	208	628	252	629	150	63	68	710x320x295
KAZ43.7	100	283	208	628	252	629	150	63	68	710x320x295
KAZ35.5	80	329	240	671	300	590	150	77	84	750x350x335
KAZ45.5	100	329	240	671	300	590	150	77	84	750x350x335
KAZ47.5	100	330	240	764	314	676	190	106	116	835x365x385
KAZ67.5	150	330	240	790	314	676	190	108	119	865x365x385
KAZ411	100	373	255	807	350	695	190	136	148	855x415x435
KAZ611	150	373	255	807	350	695	190	139	150	855x415x435
KAZ415	100	373	255	842	350	755	190	144	158	905c415c435
KAZ615	150	373	255	842	350	755	190	146	160	905c415c435

KAZ SERIES

Performance Curves (50HZ) 2850 rpm

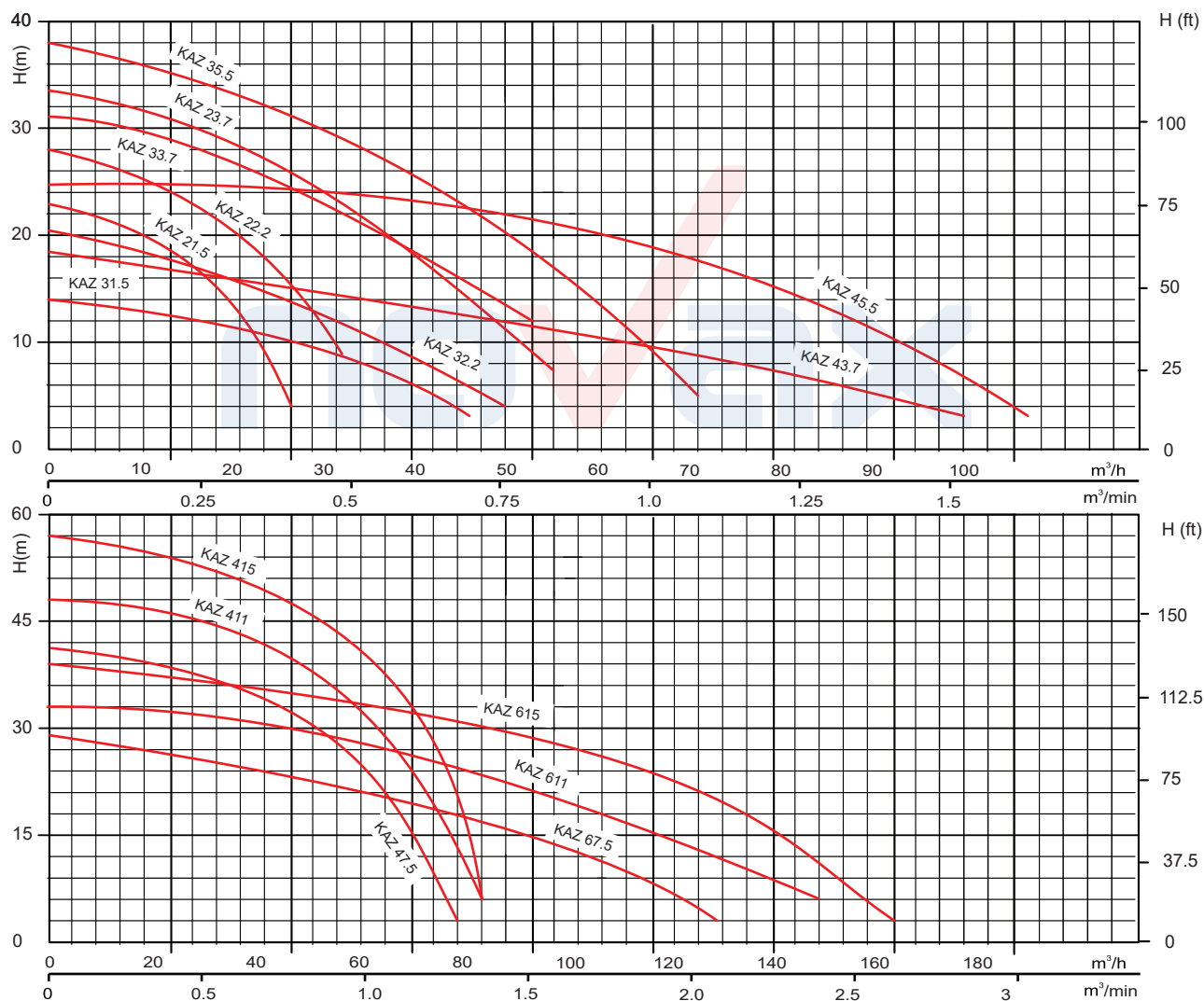


Performance table

Model (50/60Hz)	Outlet	Motor Power		Rated current (400V) 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		
KAZ21.5	50	1.5	2	3.5	15	0.25	15	27	0.45	22	8.5
KAZ31.5	80	1.5	2	3.5	30	0.50	8	40	0.67	14.5	8.5
KAZ22.2	50	2.2	3	5.0	18	0.30	20	33	0.55	26	8.5
KAZ32.2	80	2.2	3	5.0	36	0.60	11	55	0.92	19	8.5
KAZ23.7	50	3.7	5	7.7	12	0.20	30	33	0.55	34	8.5
KAZ33.7	80	3.7	5	7.7	30	0.50	20	55	0.92	29	8.5
KAZ43.7	100	3.7	5	7.7	60	1.0	11.5	90	1.50	18.5	8.5
KAZ35.5	80	5.5	7.5	11.4	36	0.60	25	75	1.25	34	8.5
KAZ45.5	100	5.5	7.5	11.4	60	1.0	16	105	1.75	23	8.5
KAZ47.5	100	7.5	10	15	48	0.80	30	84	1.40	40	11.5
KAZ67.5	150	7.5	10	15	90	1.60	15	124.8	2.08	31	19.5
KAZ411	100	11	15	22	60	1.0	35	84	1.40	48.5	11.5
KAZ611	150	11	15	22	102	1.70	22	147	2.45	32	19.5
KAZ415	100	15	20	29.5	60	1.0	42	84	1.40	56	11.5
KAZ615	150	15	20	29.5	102	1.70	30	156	2.60	40	19.5

KAZ SERIES

Performance Curves (60Hz) 3450 rpm



Performance table

Model (50/60Hz)	Outlet	Motor Power		Rated current (400V)	Rated capacity		Rated head	Max capacity		Max Head	Impeller passage
	mm	kW	HP		m³/h	m³/min		m³/h	m³/min		
KAZ21.5	50	1.5	2	3.5	15	0.25	16.5	27	0.45	23	8.5
KAZ31.5	80	1.5	2	3.5	30	0.50	9	45	0.75	15	8.5
KAZ22.2	50	2.2	3	5.1	18	0.30	20	31	0.52	28	8.5
KAZ32.2	80	2.2	3	5.1	30	0.60	13	47	0.78	20.5	8.5
KAZ23.7	50	3.7	5	8.0	12	0.20	30	50	0.83	33	8.5
KAZ33.7	80	3.7	5	8.0	30	0.50	22	55	0.92	31	8.5
KAZ43.7	100	3.7	5	8.0	60	1.0	11.5	96	1.60	18.5	8.5
KAZ35.5	80	5.5	7.5	11.6	36	0.60	25	69	1.15	38	8.5
KAZ45.5	100	5.5	7.5	11.6	60	1.0	16	102	1.70	24.4	8.5
KAZ47.5	100	7.5	10	15.4	48	0.80	30	80	1.33	41	11.5
KAZ67.5	150	7.5	10	15.4	90	1.60	15	127	2.12	31	19.5
KAZ411	100	11	15	22.5	60	1.0	35	84	1.40	48.5	11.5
KAZ611	150	11	15	22.5	102	1.70	22	147	2.45	32	19.5
KAZ415	100	15	20	30	60	1.0	42	84	1.40	57	11.5
KAZ615	150	15	20	30	102	1.70	27	160	2.67	39	19.5

Capacity		Internal diameter in mm																									
mm		25	32	40	50	60	70	80	90	100	125	150	175	200	225	250	275	300	350	400	450	500	600	700	800	900	1000
3	Pc% Vm/s	17 1.70	6 1.03	1.6 0.67	0.54 0.43	0.25 0.29	0.13 0.22	0.06 0.16	0.03 0.13	0.02 0.10																	
6	Pc% Vm/s		24 2.06	6 1.34	2 0.85	0.9 0.58	0.43 0.44	0.21 0.32	0.13 0.26	0.08 0.20	0.026 0.13																
9	Pc% Vm/s			12.5 2.08	4.3 1.32	1.8 0.89	0.9 0.65	0.46 0.5	0.25 0.39	0.15 0.32	0.06 0.20																
12	Pc% Vm/s			20 2.76	7 0.76	32 1.19	1.5 0.88	0.75 0.67	0.44 0.53	0.25 0.43	0.09 0.27	0.03 0.18															
15	Pc% Vm/s				12 2.2	5.2 1.49	2.4 1.1	1.25 0.87	0.7 0.66	0.42 0.54	0.15 0.34	0.06 0.24															
18	Pc% Vm/s				17 2.64	7 1.78	3.5 1.3	1.7 1	1 0.78	0.6 0.64	0.2 0.4	0.08 0.28															
21	Pc% Vm/s				22 3.35	8.8 2.08	4.2 1.54	2.2 1.17	1.3 0.93	0.75 0.75	0.26 0.48	0.1 0.32	0.05 0.24														
24	Pc% Vm/s					12 2.38	5.7 1.76	3 1.34	1.7 1.06	1 0.86	0.36 0.54	0.14 0.36	0.07 0.28														
27	Pc% Vm/s					14 2.7	7 1.97	3.5 1.45	2 1.17	1.25 0.96	0.42 0.6	0.17 0.42	0.08 0.31														
30	Pc% Vm/s					17 2.98	8.2 2.2	4.2 1.74	2.5 1.32	1.5 1.08	0.5 0.68	0.2 0.48	0.09 0.34														
36	Pc% Vm/s					25 3.58	12 2.63	6.3 2	3.5 1.58	2 1.28	0.75 0.52	0.3 0.57	0.14 0.42	0.07 0.32													
42	Pc% Vm/s						16 3.07	8.5 2.34	4.5 1.85	2.7 1.5	0.85 0.96	0.33 0.66	0.18 0.48	0.08 0.37													
48	Pc% Vm/s						21 3.51	10 2.68	6 2.12	3.6 1.75	1.2 1.08	0.45 0.72	0.22 0.56	0.12 0.43	0.06 0.37												
54	Pc% Vm/s						25 3.94	13.5 3	7.6 2.34	4.5 1.92	1.5 1.2	0.55 0.84	0.28 0.63	0.14 0.48	0.08 0.38												
60	Pc% Vm/s							16 3.32	9 2.64	5.5 2.16	1.8 1.36	0.7 0.96	0.33 0.68	0.17 0.53	0.1 0.42												
75	Pc% Vm/s							24 4.17	14 3.31	8 2.68	2.76 1.72	1 0.87	0.48 0.67	0.24 0.53	0.14 0.43	0.08 0.43											
90	Pc% Vm/s								20 3.97	12.5 3.24	3.8 2.04	1.45 1.44	0.74 1.02	0.36 0.8	0.2 0.63	0.14 0.51	0.08 0.42										
105	Pc% Vm/s								26 4.6	16.5 3.74	5.3 2.41	1.95 1.66	0.9 1.22	0.47 0.93	0.27 0.74	0.16 0.59	0.1 0.49										
120	Pc% Vm/s																										