

SUBMERSIBLE AXIAL-FLOW MIXED-FLOW PUMP

G&H SERIES

HIGH CAPACITY VERSION

G-SERIES

1. Discharge Dia.: 300 – 800 mm
2. Total Head: 2.5 – 4.1 m
3. Capacity: 10 – 90 m³/min
4. Motor Output: 11 – 75 kW

H-SERIES

1. Discharge Dia.: 300 – 800 mm
2. Total Head: 4.5 – 11.5 m
3. Capacity: 11 – 90 m³/min
4. Motor Output: 15 – 150 kW

FEATURES:

These models are designed to handle high rates of water flow at low delivery heads. Depending upon the pumping situations, there are alternative choices of using models of H-series for comparatively higher heads or models of G-series for lower heads.

These pumps are compact and requires no special installation house for them. It is very easy to operate them, since they require no foot valve, vacuum pumps and easy for check and maintenance. The pumps are totally submersible, causing little noise and vibration. The pumps are used for irrigation and drainage in agriculture, pumping day-water in municipalities and industries, stationary uses at the time of emergency; floodings on account of heavy rain, flood tide, etc.



SAKURAGAWA



G-2030



H-2475

APPLICATIONS:

- * Stationary uses at water works and drainage systems,
- * Irrigation and drainage works in agriculture and industries,
- * Stationary uses at the time of flooding, etc.

MOTOR PROTECTOR

Incorporating MINIATURE THERMAL PROTECTOR (MTP) and INFILTRATIVE WATER DETECTOR (WD) in the pump body protect the motor from thermal and mechanical troubles. Both in combination with external pump operating panel equipped with ELECTROMAGNETIC CONTACTOR (MC), INFILTRATIVE WATER DETECTOR RELAY SET (WD-X) and THERMAL RELAY (THR), the pump assures perfect and safety-minded motor protection. In case water infiltrates the motor hous-

ing or the temperature in the motor coil rises to a set maximum, the WD fitted immediately beneath the motor compartment or the MTP activates the MC by way of WD-X or THR in order to cut off the electric supply to the motor.

- * By removing Pump Stand, Pump Drum and giving some arrangement, it is possible to modify these pumps for Pipe Installation Type.
- * Note that the External Pump Operating Panel is available upon request at extra cost.

STANDARD SPECIFICATIONS

MODELS	DISCHARGE DIA.	MOTOR OUTPUT	HEAD	CAPACITY	STARTING METHOD	MAX. DIA.	MAX. HEIGHT	CABLE LENGTH	WEIGHT (WITHOUT CABLE)
	mm	kW	m	m ³ /min		mm	mm	m	kgs.
G-1210	300	7.5	2.5	10	Direct-on line	545	1145	10	440
G-1215	300	11	4	11	Star-Delta	545	1145	10	440
G-1415	350	11	3	15	Star-Delta	580	1245	10	460
G-1420	350	15	4	15	Star-Delta	580	1245	10	500
G-1620	400	15	3	20	Star-Delta	640	1280	10	600
G-1630	400	22	4	22	Star-Delta	640	1280	10	620
G-2030	500	22	3	30	Star-Delta	740	1540	10	980
G-2040	500	30	4	30	Star-Delta	740	1540	10	1000
G-2240	550	30	3	40	Star-Delta	890	1940	10	1500
G-2250	550	37	4	38	Star-Delta	890	1940	10	1500
G-2450	600	37	3.2	47	Star-Delta	960	2090	10	1800
G-2460	600	45	4.1	45	Star-Delta	960	2090	10	1800
G-2860	700	45	3	50	Star-Delta	1175	2400	10	2800
G-2875	700	55	3.5	60	Star-Delta	1175	2400	10	2800
G-3275	800	55	2.5	80	Star-Delta	1275	2500	10	3850
G-32100	800	75	3	90	Star-Delta	1275	2500	10	3850
H-1220	300	15	5.5	11	Star-Delta	545	1320	10	650
H-1230	300	22	8	11	Star-Delta	545	1320	10	650
H-1240	300	30	11	11	Star-Delta	545	1320	10	700
H-1430	350	22	5.5	15	Star-Delta	620	1550	10	850
H-1440	350	30	8	15	Star-Delta	620	1550	10	850
H-1450	350	37	11	14	Star-Delta	620	1550	10	900
H-1640	400	30	5.5	20	Star-Delta	620	1600	10	950
H-1650	400	37	8	20	Star-Delta	620	1600	10	950
H-1675	400	55	11.5	19	Star-Delta	620	1600	10	1000
H-2050	500	37	5.3	28	Star-Delta	820	2130	10	1900
H-2075	500	55	7.5	30	Star-Delta	820	2130	10	1900
H-20100	500	75	10	30	Star-Delta	820	2130	10	2000
H-2475	600	55	5.5	40	Star-Delta	950	2350	10	2300
H-24100	600	75	6.5	44	Star-Delta	950	2350	10	2300
H-24120	600	90	9	42	Star-Delta	950	2350	10	2400
H-28100	700	75	4.5	60	Star-Delta	1100	2630	10	3200
H-28120	700	90	5.5	60	Star-Delta	1100	2630	10	3200
H-28150	700	110	6.5	60	Star-Delta	1100	2630	10	3200
H-32120	800	90	4.5	70	Star-Delta	1360	3215	10	4400
H-32150	800	110	5	80	Star-Delta	1360	3215	10	4400
H-32180	800	132	6	90	Star-Delta	1360	3215	10	4500
H-32200	800	150	6.7	90	Star-Delta	1360	3215	10	4500

Specifications are subject to change without notice.

MOTOR

The stator and the rotor shaft are in good balance, which proves the good design of the motor to demonstrate higher motor efficiency and torque.

SHAFT SEAL

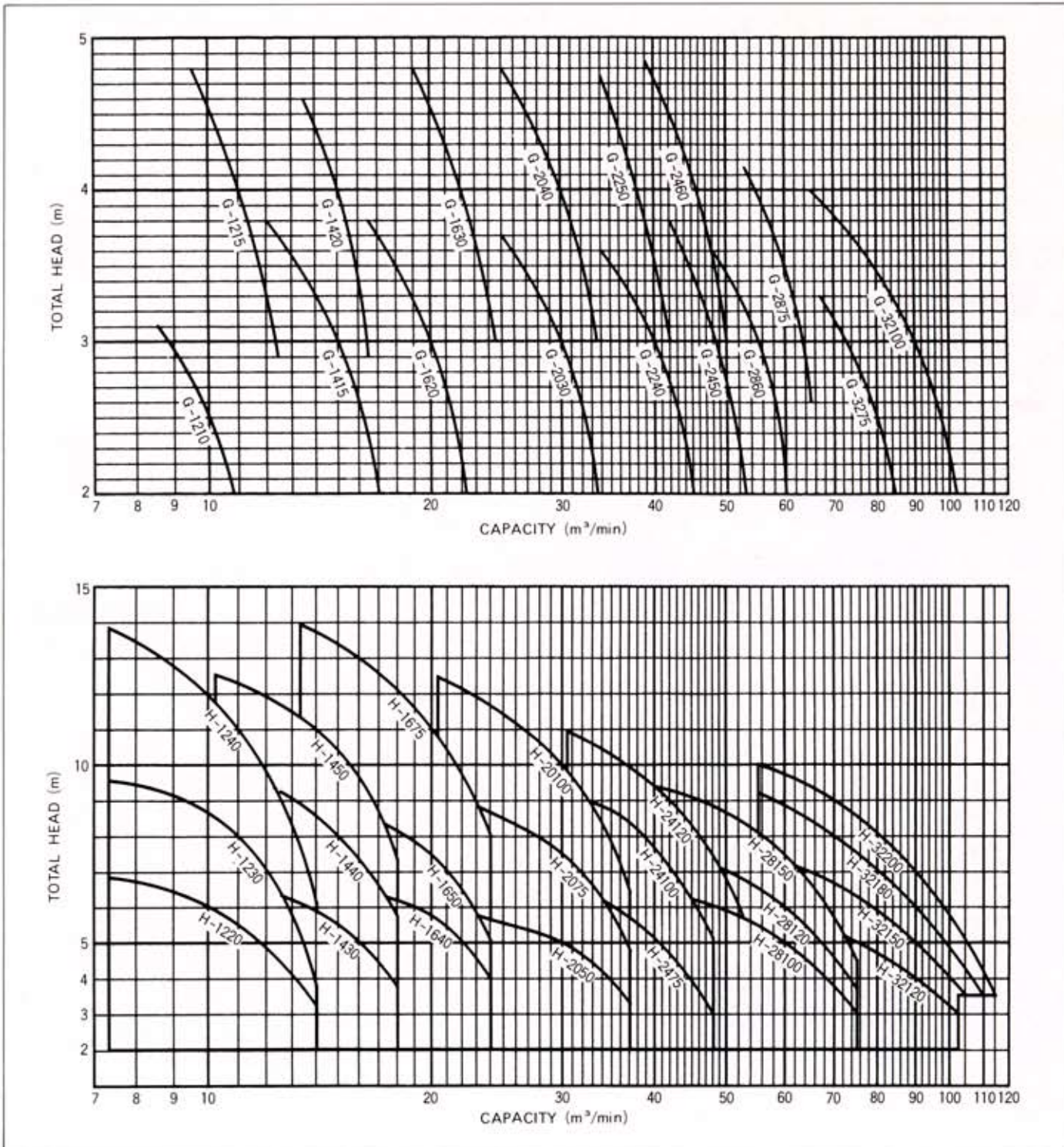
The twin Mechanical Seals are cooled and lubricated in the oil bath using their very reliable materials for their mating surfaces, the Mechanical Seal guarantees good and sealing effect and steady service at heavy-

duty sites for a long period of time.

IMPELLER, PROPELLER & CASING

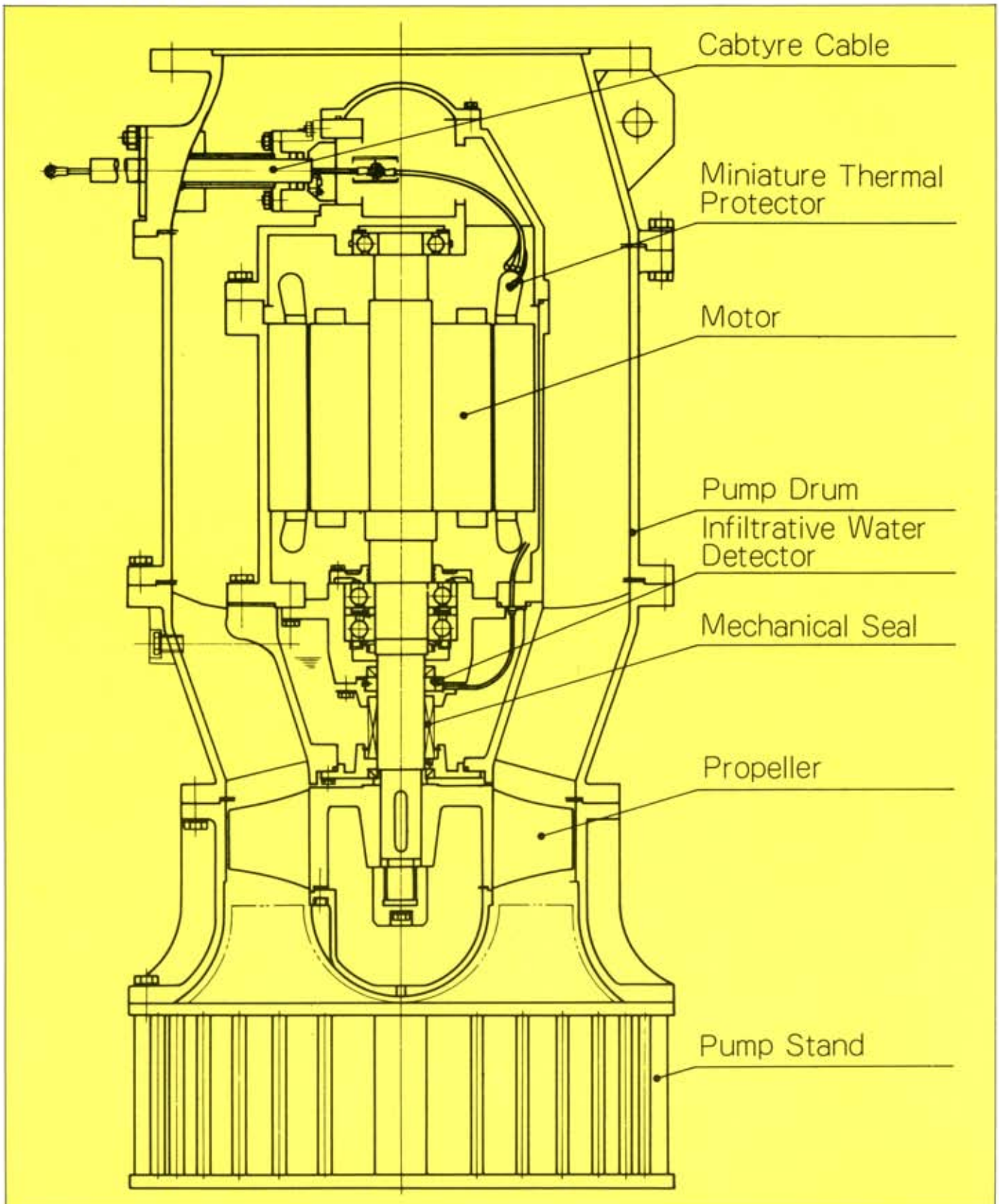
Impellers are used for H-series, while propellers are used for G-series. Both in heavy gauge bodies give high efficiency in pumping performance in combination with well-assorted casing.

PERFORMANCE CURVES



DEWATERING PUMP G&H SERIES

CUT-AWAY SECTION



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SAKURAGAWA PUMP
MFG.CO.,LTD.