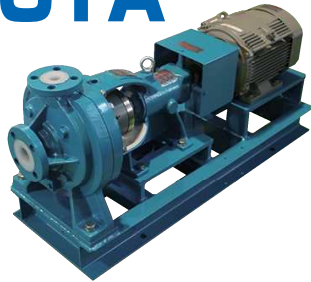


Fluororesin mechanical seal pumps (GTA)

GTA series

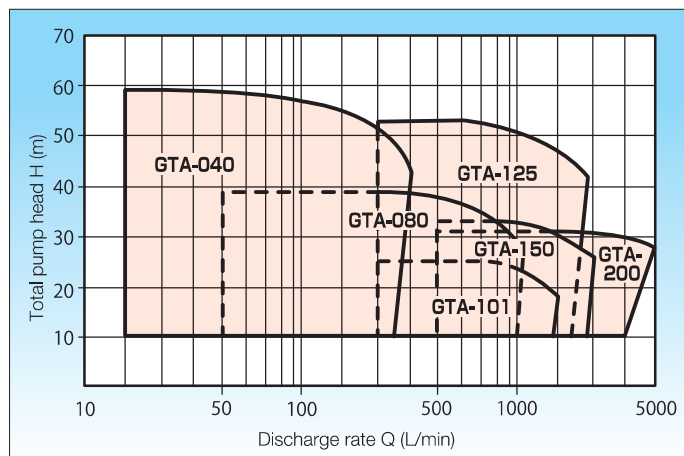


GTA series pumps adopt a magnetic pump casing, thus providing high-corrosion resistance. The material of liquid contact parts can be changed to HTPVC, PVDF, etc., to match operating conditions.

Standard specifications

Structure	Drive: Motor direct-driven type Shaft seal: Mechanical seal / Packing seal Impeller: Closed type Bearing: Oilless sealed ball bearing
Operating temperature range	PVC: 0 to 50°C HTPVC: 0 to 80°C PVDF: 0 to 90°C
Rotating direction	Clockwise (When viewed from motor side)
Flange	Equivalent to JIS 10K RF
Motor	General-purpose horizontal motor with base
Paint color	Equivalent to Munsell 2.5B4/8 (Metal exposed parts, except for pump shaft)

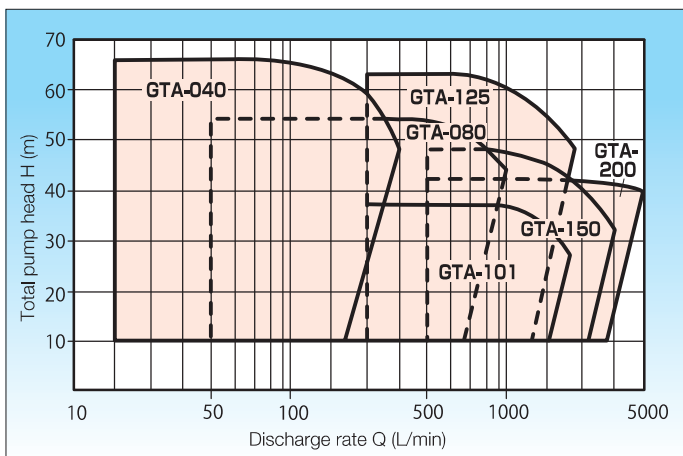
Capacity chart and specification table: 50 Hz



Model	Bore diameter (Suction × Dis.) (mm)	2P			4P			Frame No.
		Discharge rate (L/min)	Total head (m)	Motor output (kW)	Discharge rate (L/min)	Total head (m)	Motor output (kW)	
GTA-0401	40×25	300	35	5.5	—	—	—	F3
GTA-0403	40×25	300	40	5.5	—	—	—	F3
GTA-0405	40×25	300	50	7.5	—	—	—	F3
GTA-0407	40×25	—	—	—	150	10	1.5	F3
GTA-0801	80×50	700	10	3.7	—	—	—	F3
GTA-0803	80×50	800	20	7.5	—	—	—	F3
GTA-0805	80×50	800	30	11	—	—	—	F4
GTA-0807	80×50	—	—	—	400	8	1.5	F3
GTA-1011	100×80	—	—	—	1500	15	11	F4
GTA-1013	100×80	—	—	—	2000	20	15	F4
GTA-1251	125×100	2000	30	22	—	—	—	F5
GTA-1253	125×100	2000	40	30	—	—	—	F5
GTA-1501	150×125	—	—	—	2000	23	15	F5
GTA-1503	150×125	—	—	—	2000	30	22	F5
GTA-2001	200×150	—	—	—	3000	12	15	F5
GTA-2003	200×150	—	—	—	4000	20	30	F5
GTA-2005	200×150	—	—	—	4000	30	37	F5

Motor output is given for liquids with a specific gravity of 1.0 at the target point.

Capacity chart and specification table: 60 Hz



Model	Bore diameter (Suction × Dis.) (mm)	2P			4P			Frame No.
		Discharge rate (L/min)	Total head (m)	Motor output (kW)	Discharge rate (L/min)	Total head (m)	Motor output (kW)	
GTA-0402	40×25	300	50	7.5	—	—	—	F3
GTA-0404	40×25	300	58	11	—	—	—	F3
GTA-0408	40×25	—	—	—	150	15	1.5	F3
GTA-0802	80×50	800	20	7.5	—	—	—	F3
GTA-0804	80×50	1000	30	15	—	—	—	F4
GTA-0806	80×50	1000	40	15	—	—	—	F4
GTA-0808	80×50	—	—	—	500	10	2.2	F3
GTA-1012	100×80	—	—	—	1500	15	11	F4
GTA-1014	100×80	—	—	—	2000	20	15	F4
GTA-1016	100×80	—	—	—	2000	30	18.5	F4
GTA-1252	125×100	2000	30	30	—	—	—	F5
GTA-1254	125×100	2000	40	30	—	—	—	F5
GTA-1502	150×125	—	—	—	2500	32	30	F5
GTA-1504	150×125	—	—	—	3000	40	37	F5
GTA-2002	200×150	—	—	—	3600	20	30	F5
GTA-2004	200×150	—	—	—	4800	30	37	F5

Motor output is given for liquids with a specific gravity of 1.0 at the target point.

Model identification

GTA - 150 1 F 15 S A 1 1

- ① Name
② Bore diameter (100 A, 4P motor: 101)
③ Frame No.
④ O-ring material F: FPM E: EPDM Z: Other
⑤ Motor output
01 : 0.75 kW 02 : 1.5 kW 03 : 2.2 kW
05 : 3.7 kW 07 : 5.5 kW 10 : 7.5 kW
15 : 11 kW 20 : 15 kW 25 : 18.5 kW
30 : 22 kW 40 : 30 kW 50 : 37 kW
⑥ Body material (Casing, casing cover, etc.)

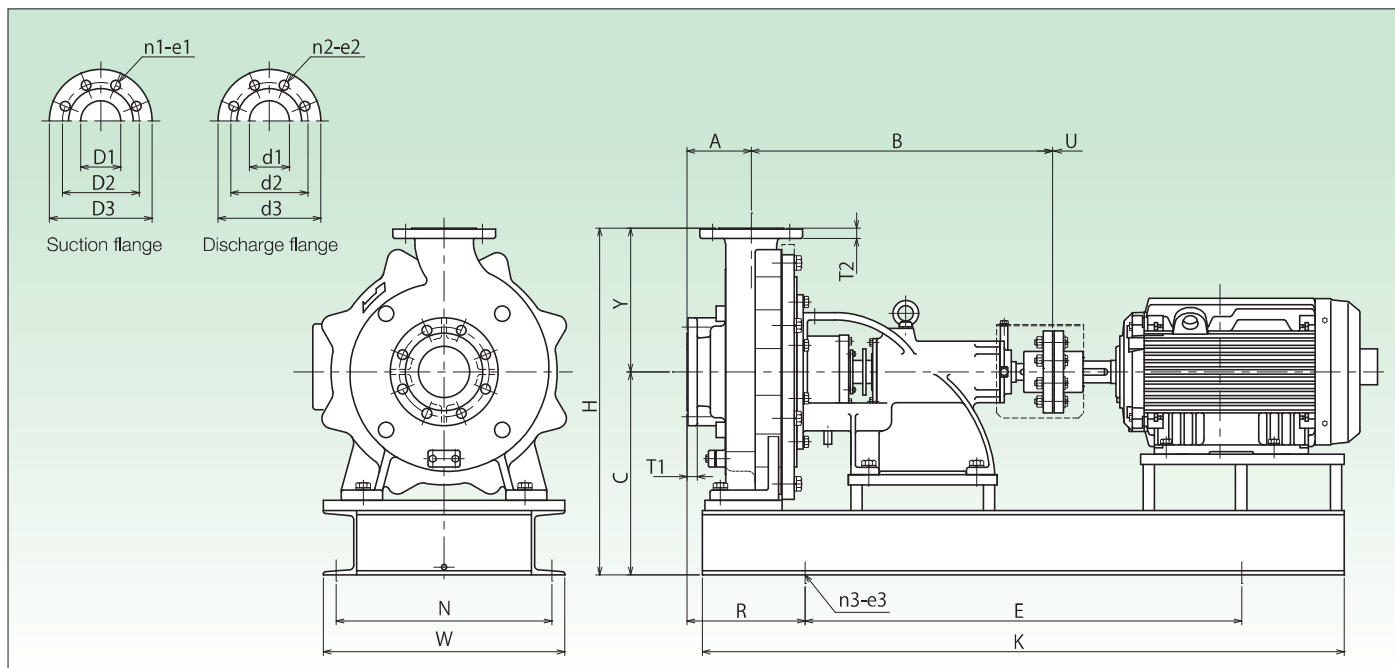
Code	Impeller	Casing cover	Stuffing box
S	HTPVC	PVC	HTPVC
H	HTPVC	HTPVC	HTPVC
V	PVDF	PVDF	PVDF
Z	Other	Other	Other

- ⑦ Shaft seal structure
⑧ Shaft seal type

- ⑨ Shaft seal configuration

A: External mechanical seal	B: Internal mechanical seal	P: Packing seal
1: MA1	1: MB1	S: Internally cooled
W: MAW	2: MB1Q1	W: Externally cooled
Z: Other	3: MB1Q2	
	D: DEM	
	Z: Other	
Rotating ring	Stationary ring	1: SUS316 (Straight shaft)
1: Resin-impregnated carbon	Alumina	2: Hastelloy C
4: Filler-contained PTFE	Alumina	3: Titanium
6: SiC	SiC	4: SiC
Z: Other than above	Other than above	5: Silicon nitride
* Double mechanical seal and dead-end types: SiC only		Z: Other than above

Outer dimensions drawing and table



Model	A	B	R	C	Y	H	U	E	K	N	W	D1	D2	D3	n1-e1	T1	d1	d2	d3	n2-e2	T2	n3-e3	Motor output (kW)
GTA-040	102	522.5	244.5	315	165	480	3	500	900	350	390	40	105	140	4-19	18.5	27	90	125	4-19	15.5	4-19	1.5/2.2×2P
								550	950														3.7×2P
								600	1000														5.5/7.5×2P
GTA-080	102	529.5	240	345	210	555	3	550	950	310	360	80	150	200	8-19	20.5	50	120.5	155	4-19	17.5	4-19	3.7×2P
								650	1050														5.5/7.5×2P
								800	1200														11/15/18.5×2P
GTA-101	125	587	230	395	280	675	3	850	1250	420	470	100	175	210	8-19	20	78	150	200	8-19	20	4-19	11/15×4P
								900	1300														18.5/22×4P
GTA-125	125	692	297.5	395	250	645	3	900	1400	420	470	125	210	250	8-23	22	98	175	220	8-19	20	4-19	11/15/18.5×2P
			262					950															22×2P
GTA-150	140	700	247.5	390	300	690	3	1000	1400	480	530	150	240	280	8-23	22	125	210	250	8-23	22	4-19	11/15×4P
			297.5				4		1500														30×4P
GTA-200	200	710	295	495	420	915	3	1000	1500	440	500	196	290	330	12-23	26	146	240	280	8-23	26	4-19	18.5/22×4P

Cross-sectional drawing

