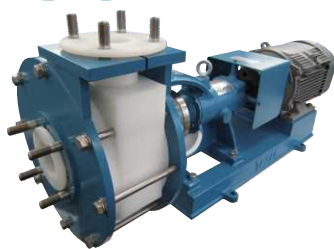


TSU series

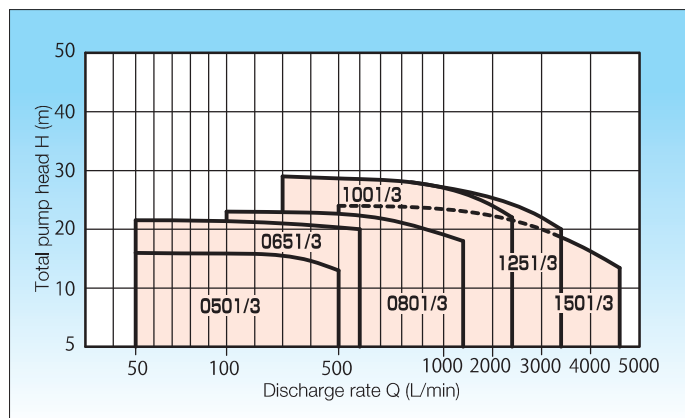


These slurry pumps are made of wear-resistant UPE (ultra-high molecular weight polyethylene).

Standard specifications

Structure	Drive: Motor direct-driven type
	Impeller: Full-open type
	Shaft seal: Mechanical seal
	Bearing: Oilless sealed ball bearing
Operating temperature range	UPE: 0 to 60°C
Rotating direction	Clockwise (When viewed from motor side)
Flange	Equivalent to JIS 10K FF
Motor	General-purpose horizontal motor with base
Paint color	Equivalent to Munsell 2.5B4/8 (Metal exposed parts, except for pump shaft)

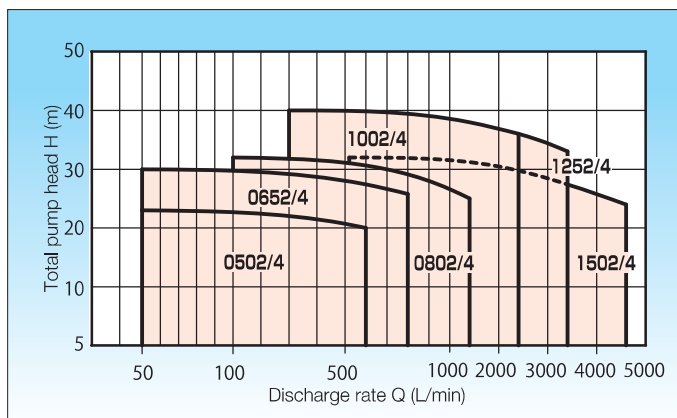
Capacity chart and specification table: 50 Hz



Model	Bore diameter (Suction × Dis.) (mm)	Discharge rate (L/min)	Total head (m)	Motor output (kW)	Frame No.
TSU-0501	50×40	250	10	2.2	F3
TSU-0503			15	3.7	
TSU-0651	65×50	400	15	5.5	F3/F4
TSU-0653			20	7.5	
TSU-0801	80×65	800	15	7.5	F3/F4
TSU-0803			20	11	
TSU-1001	100×80	1500	20	15	F4
TSU-1003			25	18.5	
TSU-1251	125×100	2000	20	18.5	F4/F5
TSU-1253			25	22	
TSU-1501	150×125	2500	15	15	F5
TSU-1503			20	18.5	

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)	Discharge rate (L/min)	Total head (m)	Motor output (kW)	Frame No.
TSU-0502	50×40	250	15	2.2	F3
TSU-0504			20	3.7	
TSU-0652	65×50	400	20	5.5	F3/F4
TSU-0654			25	7.5	
TSU-0802	80×65	800	20	11	F3/F4
TSU-0804			25	15	
TSU-1002	100×80	1500	25	15	F4
TSU-1004			35	22	
TSU-1252	125×100	2000	25	22	F4/F5
TSU-1254			35	30	
TSU-1502	150×125	2500	20	18.5	F5
TSU-1504			25	22	

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

Model identification

TSU - 050 1 F 07 U B D 6

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Name
② Bore diameter
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
⑥ Body material (Casing, casing cover, etc.)

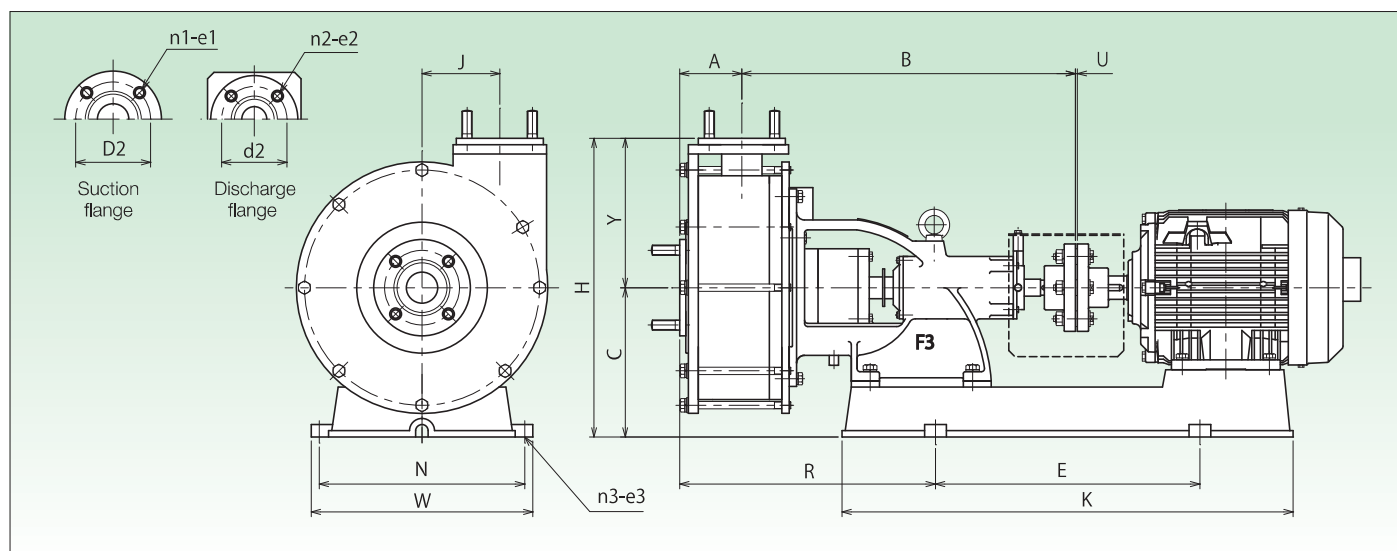
Code	Impeller	Casing cover	Stuffing box
U	UPE	UPE	UPE
Z			Other

- 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	D: DEM	S: Internally cooled
W: MAW	Z: Other	W: Externally cooled
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	J	C	Y	H	U	E	K	N	W	D2	n1-e1	d2	n2-e2	n3-e3	Motor output (kW)
TSU-050	100	536	404	125	220	240	460	3	400	680	290	320	120	4-M16	105	4-M16	4-φ14	3.7×4P
					240				425	725	330	356						5.5/7.5×4P
TSU-065	115	598	455	135	290	270	560	3	500	800	335	365	140	4-M16	120	4-M16	4-φ14	5.5/7.5×4P
									750	1050	465	495						11/15×4P
TSU-080	115	598	455	135	290	270	560	3	500	800	335	365	150	8-M16	140	4-M16	4-φ14	5.5/7.5×4P
									750	1050	465	495						11/15×4P
TSU-100	125	600	477	168	340	325	665	3	700	1000	420	470	175	8-M16	150	8-M16	4-φ19	11×4P
TSU-125	123	609	508	178	395	345	740	3	600	1050	510	560	210	8-M16	175	8-M16	4-φ19	11×4P
TSU-150	154	695	182.5	150	480	480	850	4	550	1600	538	580	240	8-M20	210	8-M20	6-φ19	30×4P

Cross-sectional drawing

