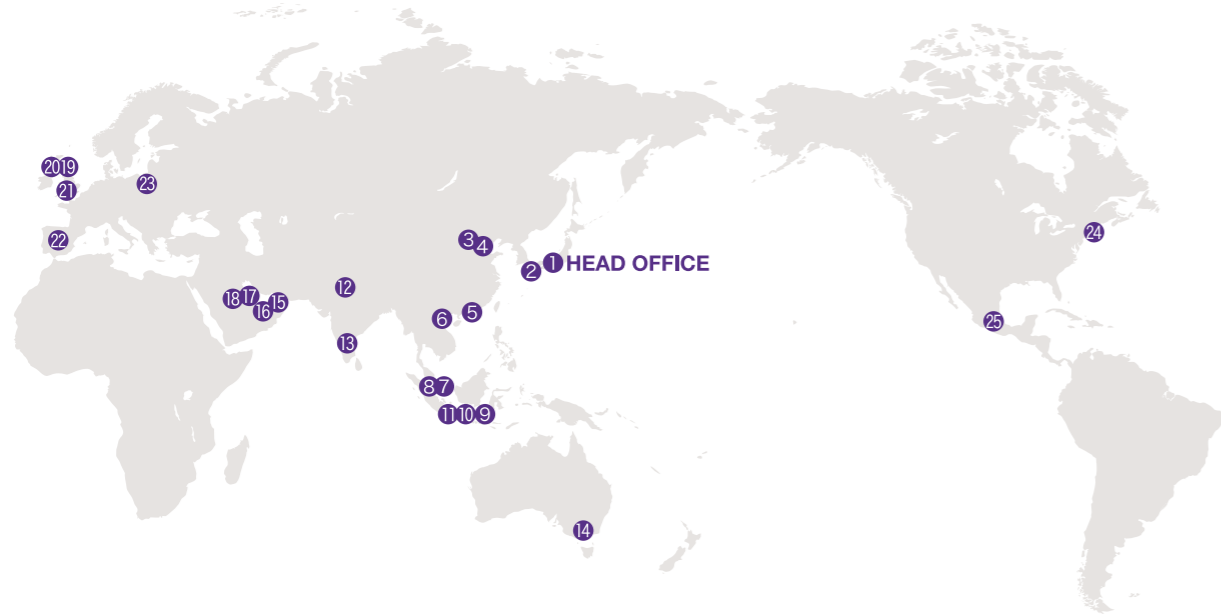


Torishima Pump Global Network



East Asia

1 Torishima Pump Mfg. Co., Ltd. ■ ■ ■
1-1-8 Miyata-cho, Takatsuki-city, Osaka 569-8660 Japan
Tel : +81-72-690-2308 / Fax : +81-72-690-2329

2 Kyushu Torishima Co., Ltd. ■
9857-13, Ohaza Kawako, Wakagi-cho, Takeo-city, Saga 840-0813 Japan
Tel : +81-954-26-3081 / Fax : +81-954-26-3080

3 Torishima Pump Mfg. Co., Ltd. Beijing Office
Rm707, Building 1, KUNSHA CENTER, No.16 Xinyuanli, Chaoyang District, Beijing, P.R.China PC:100027
Tel : +86-10-84682891 / Fax : +86-10-84682890

4 Torishima Pump (Tianjin) Co., Ltd. ■
No.9 Gaoxin Road, Wuqing Development Zone, Tianjin, P.R.China PC:301700
Tel : +86-22-59695601 / Fax : +86-22-59695609

5 Torishima (Hong Kong) Ltd. ■ ■ ■
Unit A, 21/F., Tower A, Billion Centre, 1 Wang Kwong Road, Kowloon Bay, Kowloon, Hong Kong
Tel : +852-2795-1838 / Fax : +852-2754-3293

South East Asia

6 Torishima (Hong Kong) Ltd. Vietnam Office
No.76 Bui Thi Xuan Street, Hai Ba Trung District, Hanoi, Socialist Republic of Vietnam
Tel : +84-4-943-7880 / Fax : +84-4-943-7876

7 Torishima Pump Mfg. Co., Ltd. Singapore Office
82 Toh Guan Road East, #C2-14-4 WaterHub, Singapore 608576
Tel : +65-6779-0123 / Fax : +65-6779-6900

8 Torishima Service Solutions Asia Pte. Ltd. ■ ■ ■
48, Toh Guan Road East, #02-142, Enterprise Hub, Singapore 608586
Tel : +65-6933-8772 / Fax : +65-6933-8777

9 P.T. Torishima Guna Engineering ■ ■ ■
10 P.T. Torishima Guna Indonesia ■ ■ ■
Jalan Rawa Sumur Timur No.1 Pulogadung Industrial Estate, P.O.Box 1160, Jakarta, Indonesia
Tel : +62-21-460-3963 / Fax : +62-21-460-3937

11 P.T. Geteka Founindo ■ ■ ■
JL Pulo Ayang Kav. AA2 Pulogadung Industrial Estate, P.O.Box 1160 JAT, Jakarta 13011 Indonesia
Tel : +62-21-460-3963 / Fax : +62-21-460-3937

South Asia

12 Torishima Pumps India Pvt. Ltd.
302 & 302A, 3rd Floor, Tower-B, Millennium Tower, Sector27, Gurgaon-122002, Haryana, India
Tel : +91-124-4728950 / Fax : +91-124-4728950

13 Torishima Pumps India Pvt. Ltd. Service Division ■ ■ ■
Plot No. 27 B, C, D, Hoskote KIADB Industrial Area, Chokkahalli Village, Kasaba Hobli, Hoskote Taluk, Bangalore-562114, Karnataka, India
Tel : +91-80-39581000 / Fax : +91-80-39581010

Oceania

14 Torishima Australia Pty. Ltd.
643-645 Glenhuntly Road, Caulfield South VIC 3162 Australia
Tel : +61-3-9523-7998

Middle East

15 Torishima Service Solutions FZCO ■ ■ ■
Plot of Land TP010501 Techno Park-Jebel Ali, PO Box. 37603 Dubai, U.A.E.
Tel : +971-4-880-7344 / Fax : +971-4-880-7354

16 Torishima Pump Mfg. Co., Ltd. Middle East Office
Office No.901, Deluxe Tower, Delma Street, Al Nahyan Camp Area, P.O.Box 53567, Abu Dhabi, U.A.E.
Tel : +971-2-674-3880 / Fax : +971-2-674-3881

17 Torishima Pump Mfg. Co., Ltd. Qatar Project Office
Office No.11,1st Floor, West Corner Centre, Salwa Road-Midmac R/A, P.O.Box 37027 Doha, Qatar
Tel : +974-4450-6915 / Fax : +974-4450-6916

18 Torishima Pump Mfg.Co.,Ltd. Saudi Arabia Office
Al Riyadh, Al Khair Plaza, Office No.2 Al Amir Muhd IBN A.A. Road, Althalea SP-643351929, Kingdom of Saudi Arabia
Tel : +966-11-2931366

Europe

19 Torishima Europe Ltd.
2 Colliery Gate, Clyde Gateway East, Glasgow G32 8RH Scotland, UK
Tel : +44-1236-443951 / Fax : +44-1236-702875

20 Torishima Service Solutions Europe Ltd. ■ ■ ■
2 Colliery Gate, Clyde Gateway East, Glasgow G32 8RH Scotland, UK
Tel : +44-1236-442390 / Fax : +44-1236-702875

21 Torishima Europe Projects Ltd.
Torishima House, Brook Lane, Westbury, Wiltshire BA13 4ES England, UK
Tel : +44-1373-858143

22 Torishima Europe Ltd. Madrid Office
Avda, Fuente Nueva 12, 28703 San Sebastian de los Reyes, Madrid, Spain
Tel : +34-91-002-7541 / Fax : +34-91-284-6901

23 Torishima Europe Ltd. Poland Office
ul. Pomianowska 7, 03-136 Warszawa, Poland
Tel : +48-604-557-137

North America

24 Torishima Pump Mfg. Co., Ltd. North America East Office
100 Grove Street, Suite 217, Worcester MA 01605-2654 U.S.A.
Tel : +1-508-753-6600 / Fax : +1-508-753-8276

Central America

25 Torishima Europe Ltd. Mexico Office
Av Paseo de La Reforma 350,11th floor, Juárez,Cuauhtémoc, 06600 Ciudad de México,D.F., México
Tel : +52-55-9171-1426 / Fax : +52-55-9171-1499

■ Manufacturing ■ Service Center

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CAL (Cast Iron)

CAR (Stainless Steel)

End-Suction Volute Pump



CAL



CAR



Dimension Table for 4P Motor Drive

160L	345	48	SS	590	1250	10	90	435	95	550	840	250	63	4	M16	205	205	3	9.0	1263.5
180MC	351.5	48	SS	590	1250	10	90	435	95	550	840	250	63	4	M16	205	205	3	9.0	1365
180M*	351.5	48	SS	590	1250	10	90	435	95	550	840	250	63	4	M16	205	205	3	9.0	1337
180M**	351.5	55	SS	590	1250	10	90	435	95	550	840	250	63	4	M16	205	205	4	13.9	1279
180LC	370.5	48	SS	590	1250	10	90	435	95	550	840	250	63	4	M16	205	205	3	9.0	1403
180L*	370.5	55	SS	590	1250	10	90	435	95	550	840	250	63	4	M16	205	205	4	13.9	1376
180L**	400.5	60	SS	590	1250	10	90	435	95	550	840	250	63	4	M16	205	205	4	21.0	1367
200M	406.5	65	SS	590	1400	10	99	435	120	550	940	250	63	4	M16	230	230	4	21.0	1401.5
200LC	395.5	55	SS	590	1400	10	99	435	120	550	940	250	63	4	M16	230	230	4	13.9	1464
200L*	395.5	55	SS	590	1400	10	99	435	120	550	940	250	63	4	M16	230	230	4	13.9	1489.5
200L**	425.5	60	SS	590	1400	10	99	435	120	550	940	250	63	4	M16	230	230	4	21.0	1474.5
225SC	432	60	SS	590	1400	10	95	435	120	550	940	250	63	4	M16	230	230	4	21.0	1510
225S*	432	60	SS	590	1400	10	95	435	120	550	940	250	63	4	M16	230	230	4	21.0	1566
225S**	432	65	SS	590	1400	10	95	435	120	550	940	250	63	4	M16	230	230	4	21.0	1491
225S***	432	75	SS	590	1400	10	95	435	120	550	940	250	63	4	M16	230	230	4	31.0	1551
225MC	444.5	60	SS	590	1400	10	95	43												

Dimension Table for 6P Motor Drive

Motor Parameter Comparison Table by Motor Type

2P Motor

Frame size	Center height	Shaft dia.	Totally enclosed fan-cooled (TU motor)		Drip-proof		Increased-safety explosion-proof		Flame-proof	
	R		d2	Output	Weight	Output	Weight	Output	Weight	Output
---	mm	mm	kW	kg	kW	kg	kW	kg	kW	kg
71M	120	14	0.4	7	-	-	0.4	7.2	0.4	17
80	140	19	-	-	-	-	-	-	-	-
80M	140	19	0.75	18	0.75	9	0.75	11.5	0.75	26
90S	156	24	-	-	-	-	-	-	-	-
90L	168.5	24	1.5	27.5	1.5	15.5	1.5	18.5	1.5	29
100L	193	28	2.2	28	2.2	16	2.2	29.5	-	42
112M	200	28	3.7	47	3.7	27	3.7	40	3.7	58
132S	239	38	5.5	73	5.5	34	5.5	60	5.5	74
160M	323	42	11	133	11	65	7.5	85	11	125
160L*	345	42	15	135	15	75	-	-	15	15
160L**	345	48	-	-	22	105	-	-	-	-
180M*	351.5	48	22	235	-	-	15	150	22	205
180MA	351.5	48	-	-	-	-	-	-	-	-
180M**	351.5	55	-	-	30	120	-	-	-	-
180L	370.5	55	30	248	37	190	-	-	-	-
200LA	395.5	55	-	-	-	-	-	-	-	-
200L	395.5	55	37	333	45	357	-	-	22	240
225S	402	55	55	467	-	-	30	310	37	390
225MA	414.5	55	-	-	-	-	-	-	-	-
225M	414.5	55	-	-	-	-	-	-	45	450
250SA	463.5	60	-	-	-	-	-	-	-	-
250M	462.5	55	-	-	-	-	45	550	55	590

4P Motor

Frame size	Center height	Shaft dia.	Totally enclosed fan-cooled (TU motor)		Drip-proof		Increased-safety explosion-proof		Flame-proof	
	R		d2	Output	Weight	Output	Weight	Output	Weight	Output
---	mm	mm	kW	kg	kW	kg	kW	kg	kW	kg
71M	120	14	0.4	8	-	-	0.4	9	0.4	17
80	140	19	-	-	-	-	-	-	-	-
80M	140	19	0.75	11	0.75	10.5	0.75	12	0.75	28
90L	168.5	24	1.5	20	1.5	16	1.5	20	1.5	30
100L	193	28	2.2	25	2.2	22	2.2	33	2.2	45
112M	200	28	3.7	37	3.7	30	3.7	41	3.7	58
132S	239	38	5.5	49	5.5	40	5.5	60	5.5	77
132M	258	38	7.5	60	7.5	51	7.5	74	7.5	95
160M	323	42	11	85	11	70	11	98	11	115
160L*	345	42	15	105	15	85	15	115	15	145
160L**	345	48	-	-	18.5	110	-	-	-	-
180MC	351.5	48	-	-	-	-	-	-	-	-
180M*	351.5	48	18.5	130	-	-	18.5	165	18.5	200
180M**	351.5	55	-	-	22	125	-	-	-	-
180LC	370.5	48	-	-	-	-	-	-	-	-
180L*	370.5	55	30	175	-	-	-	-	-	-
200LC	395.5	55	-	-	-	-	-	-	-	-
200L*	395.5	55	-	-	-	-	-	-	30	375
200L**	425.5	60	37	230	-	-	22	230	-	-
180L**	400.5	60	-	-	37	195	-	-	-	-
225SC	432	60	-	-	-	-	-	-	-	-
225S*	432	60	-	-	-	-	-	-	37	440
225S**	432	65	55	275	-	-	30	295	-	-
200M	406.5	65	-	-	55	240	-	-	-	-
225MC	444.5	60	-	-	-	-	-	-	-	-
225M	444.5	60	-	-	-	-	-	-	45	500
250SC	463.5	70	-	-	-	-	-	-	-	-
250M*	482.5	65	-	-	-	-	-	-	55	600
250M**	482.5	75	90	520	-	-	45	550	-	-
225S	432	75	-	-	75	350	-	-	-	-
225M	444.5	75	-	-	90	380	-	-	-	-
250S	463.5	75	75	470	-	-	-	-	-	-
250MC	482.5	70	-	-	-	-	-	-	-	-
280SB	544	80	-	-	-	-	-	-	-	-
280S*	514	75	-	-	-	-	-	-	75	780
280M*	539.5	75	-	-	-	-	-	-	90	920
280M**	569.5	85	132	800	-	-	75	800	-	-
250S	493.5	85	-	-	110	500	-	-	-	-
250M***	512.5	85	-	-	132	565	-	-	-	-
280S**	544	85	110	685	-	-	-	-	-	-
280MB	569.5	80	-	-	-	-	-	-	-	-
315SB	589	85	-	-	-	-	-	-	-	-

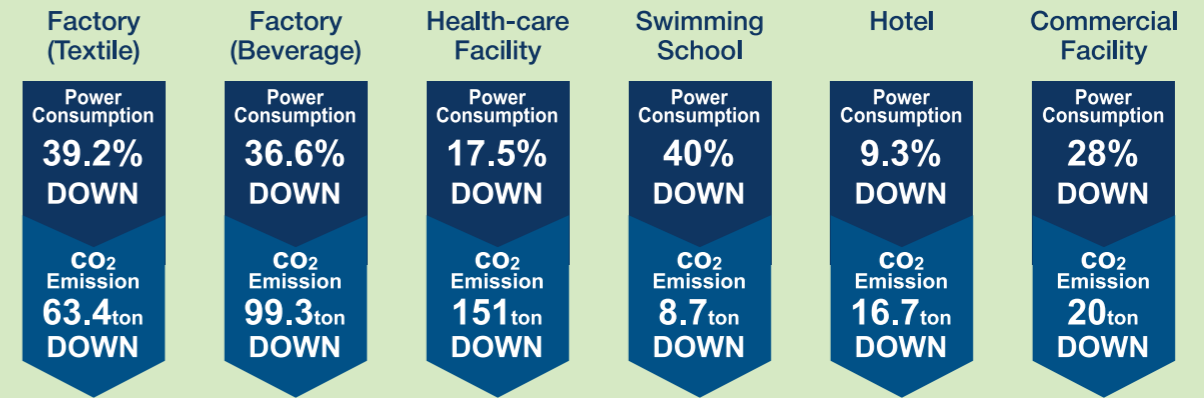
6P Motor

Frame size	Center height	Shaft dia.	Totally enclosed fan-cooled (TU motor)		Drip-proof		Increased-safety explosion-proof		Flame-proof	
	R		d2	Output	Weight	Output	Weight	Output	Weight	Output
---	mm	mm	kW	kg	kW	kg	kW	kg	kW	kg
100L	193	28	1.5	38	-	-	-	-	-	-
112M	200	28	2.2	46	-	-	-	-	-	-
132S	239	38	3.7	68	-	-	-	-	-	-
132M	258	38	5.5	79	-	-	-	-	-	-
160M	323	42	7.5	125	-	-	-	-	-	-
160L	345	42	11	140	-	-	-	-	-	-
180M	351.5	48	15	250	-	-	-	-	-	-
180L	370.5	55	18.5	225	-	-	-	-	-	-
200L	425.5	60	30	385	-	-	-	-	-	-
225S	432	65	45	500	-	-	-	-	-	-
250S	463.5	75	55	565	-	-	-	-	-	-
250M	482.5	75	75	640	-	-	-	-	-	-
280S	544	85	90	750	-	-	-	-	-	-
280M	569.5	85	110	725	-	-	-	-	-	-

Note: Totally enclosed fan-cooled motor is only available for TU motor, Torishima Ultra motor.

Potential Energy Saving with the Eco-Pump

The Eco-Pumps reduce power consumption by 10~30%!

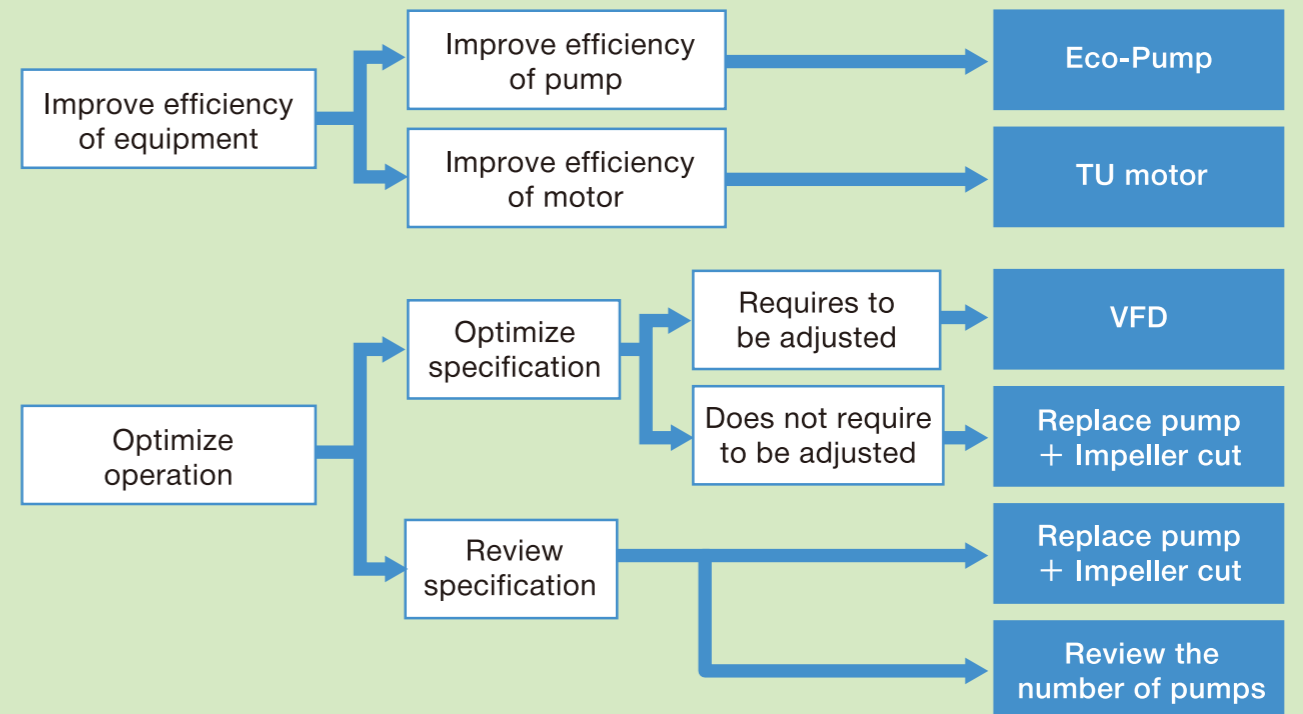


The above figures are a few examples of successful installation of the Eco-Pumps in various industries.

6 typical examples where big energy savings can be expected:

- Pump flow rate controlled by valve
- Pump operating at fixed speed
- Pump with high annual operating hours
- Pump with oversized motor
- Old pump
- Pump for new facility

We propose several solutions depending on your situation:



Would you like to try to select an Eco-Pump that meets your requirements, look at testimonials, or just learn more about the Eco-Pumps?
Then please visit the Eco-Pump website:
www.torishima.co.jp/en/ecopump/index.html

