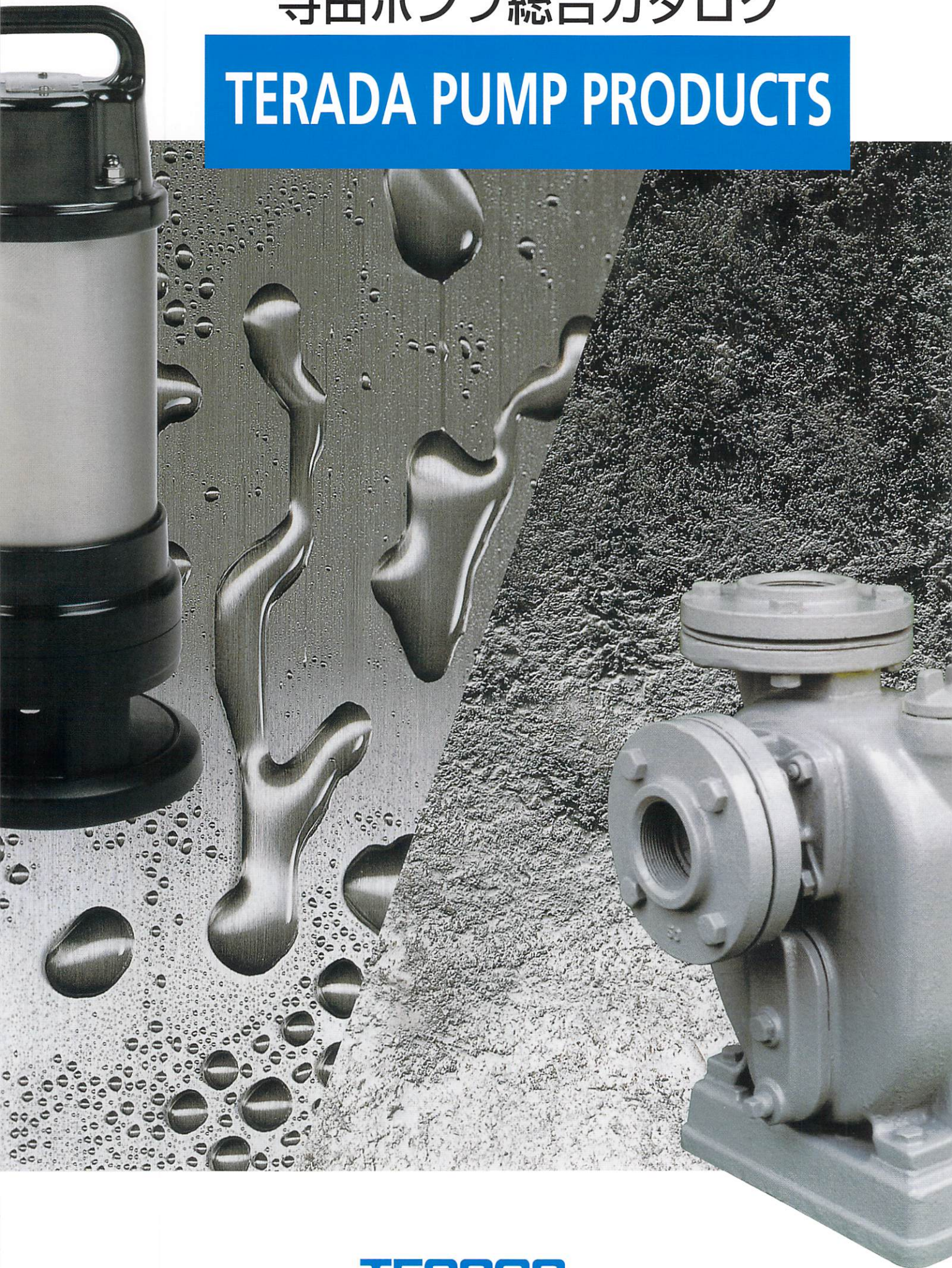


寺田ポンプ総合カタログ

TERADA PUMP PRODUCTS



TERADA

CONTENTS

ON-LAND TYPE	Model	Page
ICON EXPLANATION.....		3
ON-LAND TYPE		4
Self-Priming Pump (Mechanical seal)	O-M	5-6
Self-Priming Pump (Gland packing)	O-G	7-8
Self-Priming Pump (Large bore)	O&OL	9-10
Self-Priming Pump (High pressure)	OH.....	11-12
Self-Priming Pump (Tandem type mechanical seal)	OW&OHW.....	13-14
Self-Priming Pump (Pair pump)	P.....	15-16
Self-Priming Pump (Motor pump)	MPJ.....	17-18
Centrifugal Pump (Gland packing)	OF.....	19-21
Self-Priming Pump (Stainless steel)	CO(4P).....	22-23
Self-Priming Pump (Stainless steel)	CO(2P).....	24-25
Centrifugal Pump (Gland packing • Mechanical seal)	TFS • TFSH.....	26-28
Centrifugal Pump (Gland packing)	TUFS • TJS	29-31
Self-Priming Pump (Handy pump)	HP.....	32-33

SUBMERSIBLE PUMPS	Model	Page
SUBMERSIBLE PUMPS		34
Hybrid material dirt pump	PX	35-36
Hybrid material sewage pump	PG.....	37-38
Hybrid material dirt pump	CX • CX-L • CXA	39-40
Small size sand pump	S • S-500LN.....	41
Dirt pump	SX • SXA	42
Stainless steel pump	CS • CS-L	43-44
Sewage pump	SG • SA	45
Hybrid material pump • Hybrid material pumpbilge pump	CSA • CSL-L.....	46
Battery Driven Submersible pump	S-D • CSD	47
Plastics pump	SL.....	48
Plastics pump	SP-150B.....	49

CONTENTS

ENGINE PUMPS	Model	Page
ENGINE PUMPS.....		50
Engine pump (Gasoline engine)	ETS.....	51
Engine pump (Gasoline engine)	E-7N4.....	52
Engine pump (Diesel engine)	EP.....	53
V BELT DRIVE PUMP	Model	Page
V belt drive pump	B.....	54-55
TEST PUMP	Model	Page
Water pressure test pump	TP.....	56
COOLANT SYSTEM	Model	Page
COOLANT SYSTEM.....		57
Vortex coolant pump	VCD.....	58-59
Vortex coolant pump	VCC.....	60-61
Proposal for coolant tank	TRC.....	62-63
Floated oil recovery equipment	DS1.....	64-65

ICON EXPLANATION

Use Category



Industrial
uses



Well water
pumping



Emergency
drainage



Building
facilities



Cooling
tower



Gardening



Civil
engineering
& construction



Sprinkler high
pressure
washing



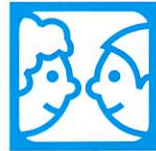
Ship



Agriculture



Plant



Home use



Fishery



Fish
breeding



Water
supply



Chemical



Plant



Purification
tanks



Pit drainage



Slurry



































































































Cold/hot
water
circulation

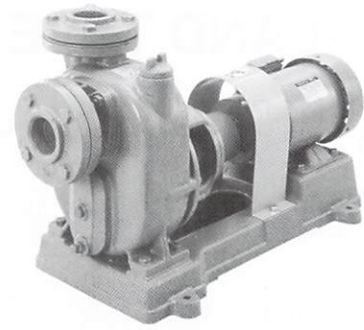


Kitchen
drainage

ON-LAND TYPE

Use \ Model	O-M	O-G	O-OL	OH	OW-OHW	P	MPJ	OF	C0-4P	C0-2P	TFS TFSH	TUFS TJS	HP
 Industrial uses													
 Building facilities													
 Civil engineering & construction													
 Agriculture													
 Fishery													
 Water supply													
 Plant													
 Pit drainage													
 Cold/hot water circulation													
 Well water pumping													
 Cooling tower													
 Sprinkler high pressure washing													
 Plant													
 Fish breeding													
 Chemical													
 Home use													

O-M Mechanical seal



Features

- The mechanical seal ensures no water leakage.
- Employing a closed type ball bearing, no lubrication is required.
- The semi-open impeller can pump up water containing sand, and slurry.

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water, Filty water
	Fluid Temperature	0-40°C (without freezing)
Structure	Impeller	semi-open
	Shaft Seal	Mechanical Seal (SiC×SiC)
	Bearing	Ball bearing
Material	Casing	FC200
	Impeller	FC200
	Shaft	SUS304
Motor (Option)	Type	TEFC
	Power	3 Phase 50Hz 200V
	Pole	4 Pole
Flange		O-1M, 2M, OL-3M(Original Shape) O-3M, 4M, 5M, 6M, 7MJIS10K, thin

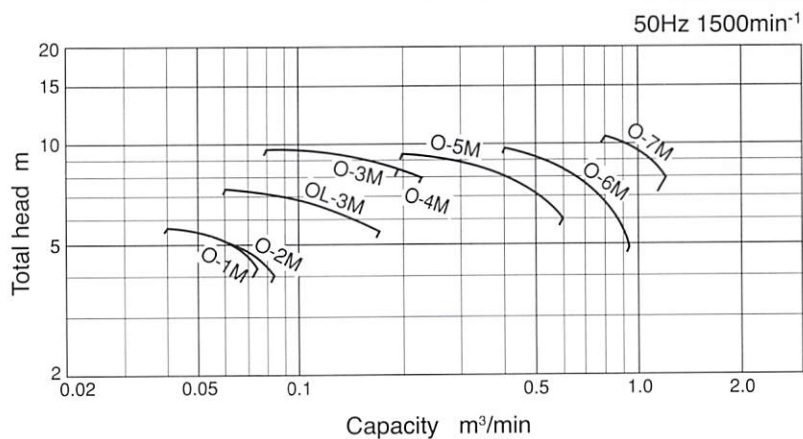
Uses

- Industrial uses
- Building facility
- Civil engineering & construction
- Agriculture
- Fishery

Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Performance Curve

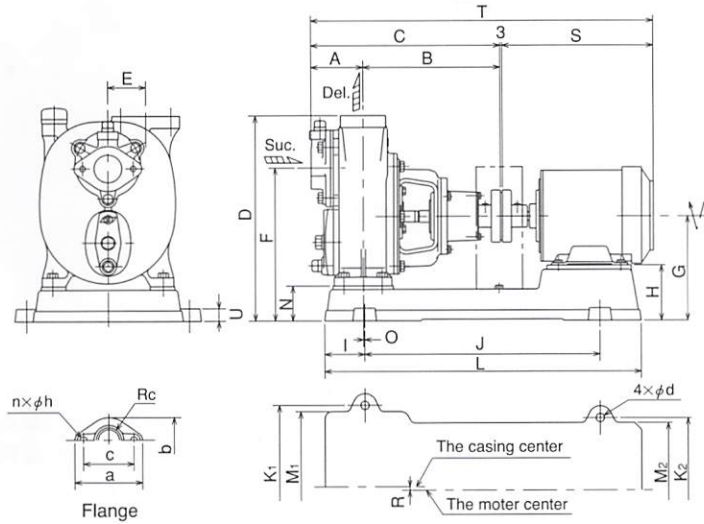


Specifications

Bore mm	Model	Motor kW	Capacity m ³ /min	Total head m	50Hz 1500min ⁻¹			
					Capacity m ³ /min	Total head m	Capacity m ³ /min	Total head m
25	O-1M	0.2	0.05	5.3	0.06	4.8	0.07	4.3
32	O-2M	0.2	0.06	5.1	0.07	4.6	0.08	4.1
40	OL-3M	0.4	0.08	7.0	0.11	6.5	0.15	5.5
	O-3M	0.75	0.1	9.5	0.15	9.0	0.2	8.3
50	O-4M	0.75	0.12	9.1	0.17	8.5	0.22	8.0
65	O-5M	1.5	0.32	8.8	0.45	7.5	0.55	6.0
80	O-6M	2.2	0.45	9.5	0.7	7.5	0.9	5.0
100	O-7M	3.7	0.8	10.5	1.0	9.5	1.3	7.5

Size

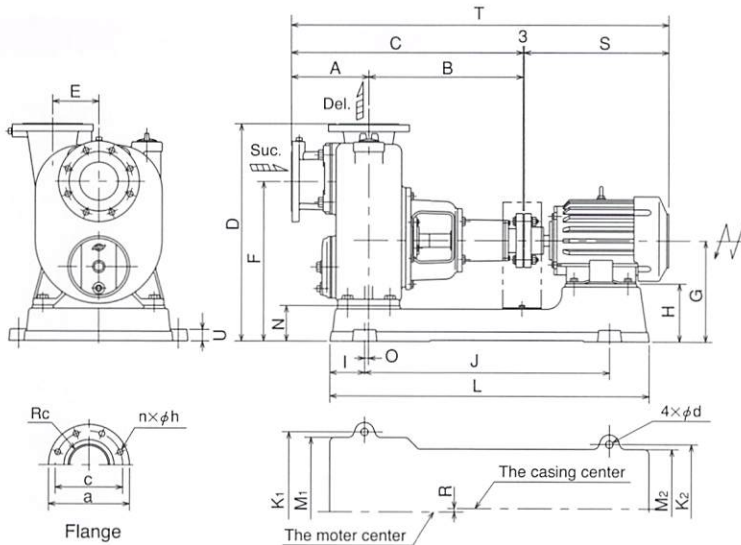
- O-1M
- O-2M
- OL-3M



Bore mm	Model	Motor kW	Output dimension mm																				Flange size				Weight kg			
			A	B	C	D	E	F	G	H	I	J	K1	K2	L	M1	M2	N	O	R	S	T	U	d	Rc	a		b	c	n×h
25	O-1M	0.2	75	198	273	295	55	220	150	87	57.5	335	240	190	455	222	172	50	0	5	221	497	21	12	1	98	65	73	2×10	22
32	O-2M	0.2	75	198	273	295	55	220	150	87	57.5	335	240	190	455	222	172	50	0	5	221	497	21	12	1¼	98	65	73	2×10	22
40	OL-3M	0.4	81	203	284	317	58	240	162	91	69	345	270	208	483	246	187	52	3.5	7.5	244	531	20	12	1½	98	65	73	2×10	26

※Size S-T will be change with motors. The weight include the weight of the base, but not motor.

- O-3M
- O-4M
- O-5M
- O-6M
- O-7M



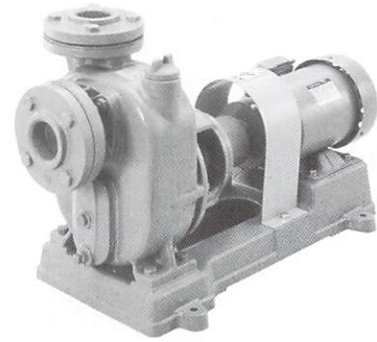
Bore mm	Model	Motor kW	Output dimension mm																				Flange size				Weight kg		
			A	B	C	D	E	F	G	H	I	J	K1	K2	L	M1	M2	N	O	R	S	T	U	d	Rc	a		c	n×h
40	O-3M	0.75	123	290	413	390	60	278	175	95	73	442	287	242	585	264	210	60	7.5	7	262	678	23	12	1½	140	105	4×15	46
50	O-4M	0.75	123	290	413	390	60	278	175	95	73	442	287	242	585	264	210	60	7.5	7	262	678	23	12	2	155	120	4×15	46
65	O-5M	1.5	157	305	462	454	105	329	224	134	83	485	340	255	662	310	227	74	2	6	313.5	778.5	25	15	2½	175	140	4×15	71
80	O-6M	2.2	158	310	468	468	110	335	223	123	86	525	335	280	693	314	256	73	5	6	362	833	25	15	3	185	150	8×15	73
100	O-7M	3.7	201	401	602	564	120	414	262	150	90	637	415	335	830	387	310	92	-10	9	376	981	30	19	4	210	175	8×15	127

※Size S-T will be change with motors. The weight include the weight of the base, but not motor.

O-G



Gland packing



Features

- The gland packing seals ensure easy maintenance.
- Employing a closed type ball bearing, no lubrication is required.
- The semi-open impeller can pump up water containing sand, and slurry.

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water, Filty water
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	semi-open
	Shaft Seal	Gland Packing
	Bearing	Ball bearing
Material	Casing	FC200
	Impeller	FC200
	Shaft	SUS304
Motor (Option)	Type	TEFC
	Power	3 Phase 50Hz 200V
	Pole	4 Pole
Flange		O-1M, 2M, OL-3M(Original Shape)
		O-3M, 4M, 5M, 6M, 7MJIS10K, thin

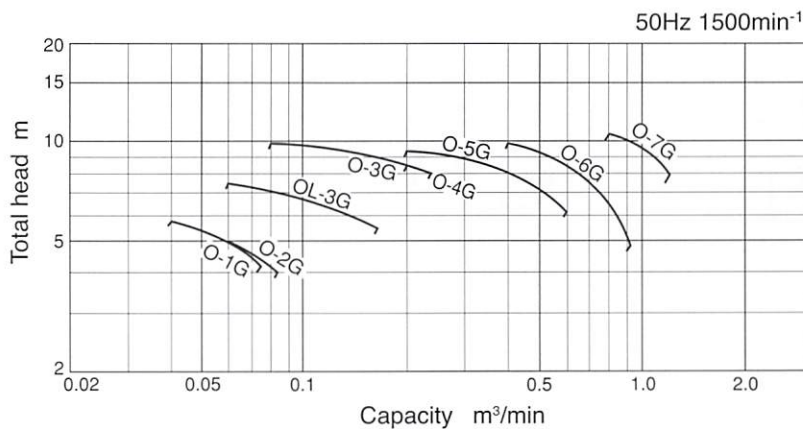
Uses

- Industrial uses
- Building facility
- Civil engineering & construction
- Agriculture
- Fishery

Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Performance Curve

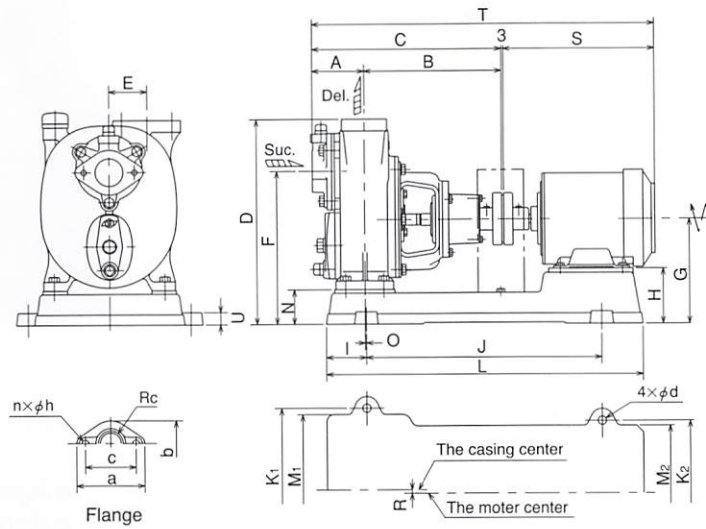


Specifications

Bore mm	Model	Motor kW	Capacity m³/min	Total head m	50Hz 1500min ⁻¹			
					Capacity m³/min	Total head m	Capacity m³/min	Total head m
25	O-1G	0.2	0.05	5.3	0.06	4.8	0.07	4.3
32	O-2G	0.2	0.06	5.1	0.07	4.6	0.08	4.1
40	OL-3G	0.4	0.08	7.0	0.11	6.5	0.15	5.5
	O-3G	0.75	0.1	9.5	0.15	9.0	0.2	8.3
50	O-4G	0.75	0.12	9.1	0.17	8.5	0.22	8.0
65	O-5G	1.5	0.32	8.8	0.45	7.5	0.55	6.0
80	O-6G	2.2	0.45	9.5	0.7	7.5	0.9	5.0
100	O-7G	3.7	0.8	10.5	1.0	9.5	1.3	7.5

Size

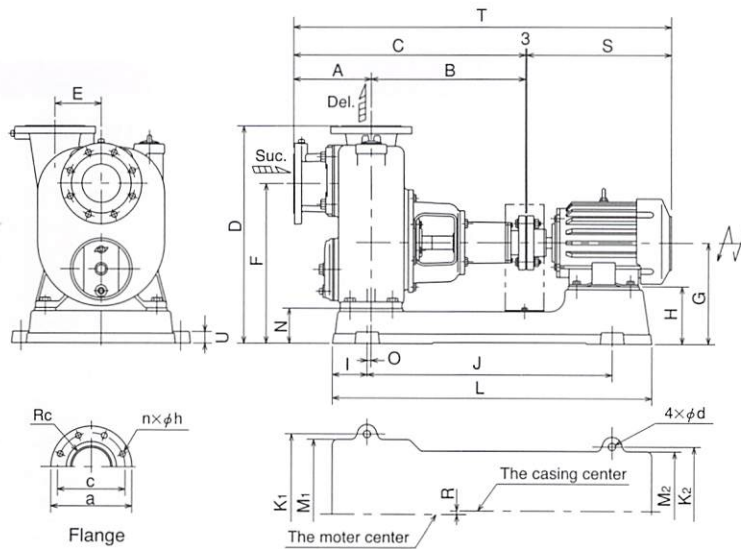
- O-1G
- O-2G
- OL-3G



Bore mm	Model	Motor kW	Output dimension mm																	Flange size					Weight kg					
			A	B	C	D	E	F	G	H	I	J	K ₁	K ₂	L	M ₁	M ₂	N	O	R	S	T	U	d		Rc	a	b	c	n×h
25	O-1G	0.2	75	198	273	295	55	220	150	87	57.5	335	240	190	455	222	172	50	0	5	221	497	21	12	1	98	65	73	2×10	22
32	O-2G	0.2	75	198	273	295	55	220	150	87	57.5	335	240	190	455	222	172	50	0	5	221	497	21	12	1 1/4	98	65	73	2×10	22
40	OL-3G	0.4	81	203	284	317	58	240	162	91	69	345	270	208	483	246	187	52	3.5	7.5	244	531	20	12	1 1/2	98	65	73	2×10	26

※Size S-T will be change with motors. The weight include the weight of the base, but not motor.

- O-3G
- O-4G
- O-5G
- O-6G
- O-7G



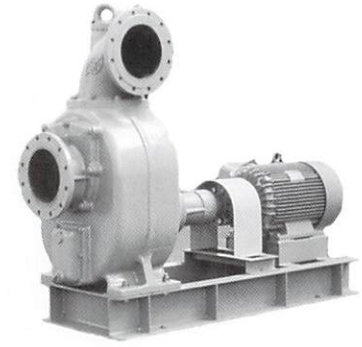
Bore mm	Model	Motor kW	Output dimension mm																	Flange size					Weight kg				
			A	B	C	D	E	F	G	H	I	J	K ₁	K ₂	L	M ₁	M ₂	N	O	R	S	T	U	d		Rc	a	c	n×h
40	O-3G	0.75	123	290	413	390	60	278	175	95	73	442	287	242	585	264	210	60	7.5	7	262	678	23	12	1 1/2	140	105	4×15	46
50	O-4G	0.75	123	290	413	390	60	278	175	95	73	442	287	242	585	264	210	60	7.5	7	262	678	23	12	2	155	120	4×15	46
65	O-5G	1.5	157	305	462	454	105	329	224	134	83	485	340	255	662	310	227	74	2	6	313.5	778.5	25	15	2 1/2	175	140	4×15	71
80	O-6G	2.2	158	310	468	468	110	335	223	123	86	525	335	280	693	314	256	73	5	6	362	833	25	15	3	185	150	8×15	73
100	O-7G	3.7	201	401	602	564	120	414	262	150	90	637	415	335	830	387	310	92	-10	9	376	981	30	19	4	210	175	8×15	127

※Size S-T will be change with motors. The weight include the weight of the base, but not motor.

O&OL



Large bore



Features

- The gland packing seals ensure easy maintenance.
- Employing a closed type ball bearing, no lubrication is required.
- The semi-open impeller can pump up water containing sand, and slurry.
- The high self-priming performance ensure high pump efficiency for high head.

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water, Filty water
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	semi-open
	Shaft Seal	Gland Packing
	Bearing	Ball bearing
Material	Casing	FC200
	Impeller	FC200
	Shaft	SUS420J2
Motor (Option)	Type	TEFC
	Power	3 Phase 50Hz 200V
	Pole	4 Pole
Flange		JIS10K, thin

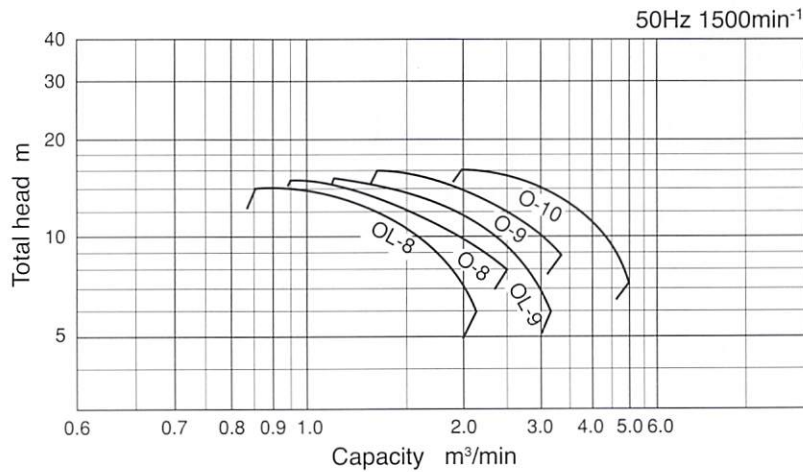
Uses

- Industrial uses
- Building facility
- Civil engineering & construction
- Agriculture
- Fishery

Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Performance Curve



Specifications

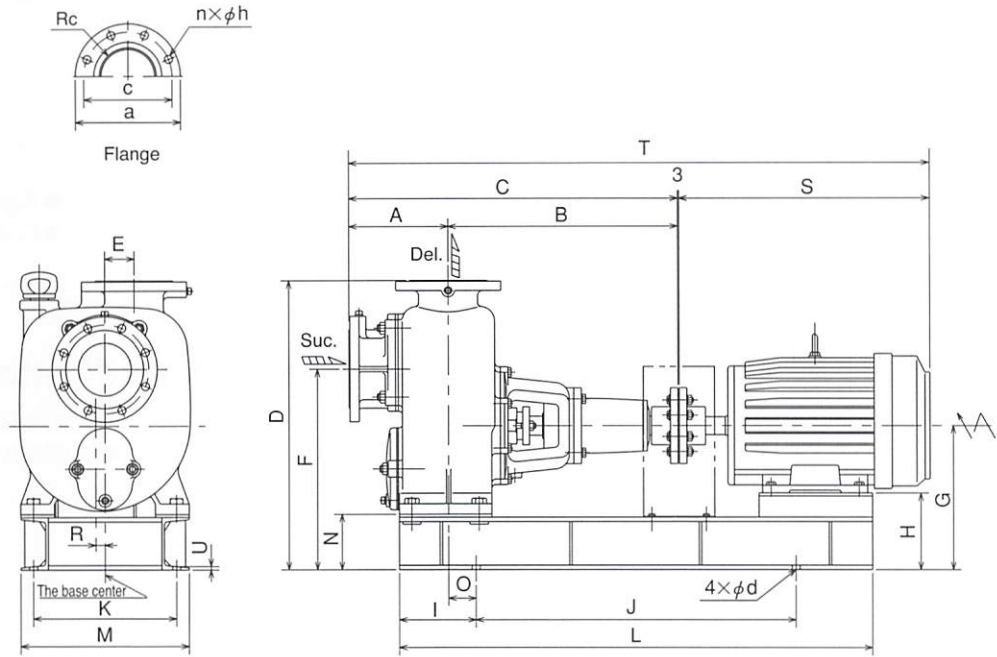
Bore mm	Model	Motor kW	Capacity m ³ /min		Total head m	
			Capacity m ³ /min	Total head m	Capacity m ³ /min	Total head m
125	OL-8	5.5	1.1	13	1.6	10
	O-8	7.5	1.1	14	1.7	11
150	OL-9	7.5	1.8	12	2.2	10
	O-9	11	2.0	13	2.7	11
200	O-10	18.5	3.0	14	4.0	11

50Hz 1500min⁻¹

Model O&OL

Size

- OL-8
- O-8
- OL-9
- O-9
- O-10



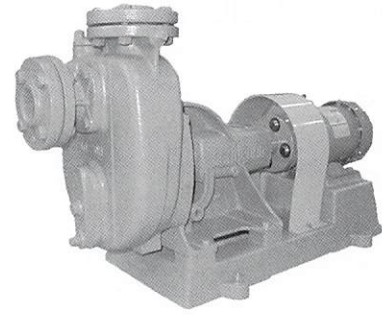
Dia. mm	Model	Motor kW	Output dimension mm																			Flange size				Weight kg	
			A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S	T	U	d	Rc	a	c		n×h
125	OL-8	5.5	236	545	781	687	70	477	342	210	140	760	340	1040	400	132	22.5	22	446.5	1230.5	8	19	5	250	210	8×19	255
	O-8	7.5	236	545	781	687	70	477	342	210	140	760	340	1040	400	132	22.5	22	485	1269	8	19	5	250	210	8×19	275
150	OL-9	7.5	249	560	809	687	70	482	342	210	140	760	340	1040	400	132	37.5	22	485	1300	8	19	6	280	240	8×19	275
	O-9	11	249	560	809	687	70	482	342	182	182.5	760	340	1125	400	132	80.5	22	575	1387	8	19	6	280	240	8×19	280
200	O-10	18.5	292	586	878	802	80	537	362	182	190	850	400	1230	460	132	60	30	650	1531	8	19	8	330	290	12×19	390

※Size S·T will be change with motors. The weight include the weight of the base, but not motor.

OH



High pressure



Features

- The gland packing seals ensure easy maintenance.
- Employing a closed type ball bearing, no lubrication is required.
- The semi-open impeller can pump up water containing sand, and slurry.
- The high self-priming performance ensure high pump efficiency for high head.

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water, Filty water
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	semi-open
	Shaft Seal	Gland Packing
	Bearing	Ball bearing
Material	Casing	FC200
	Impeller	FC200
	Shaft	SUS420J2
Motor (Option)	Type	TEFC
	Power	3 Phase 50Hz 200V
	Pole	4 Pole
Flange	JIS10K, thin	

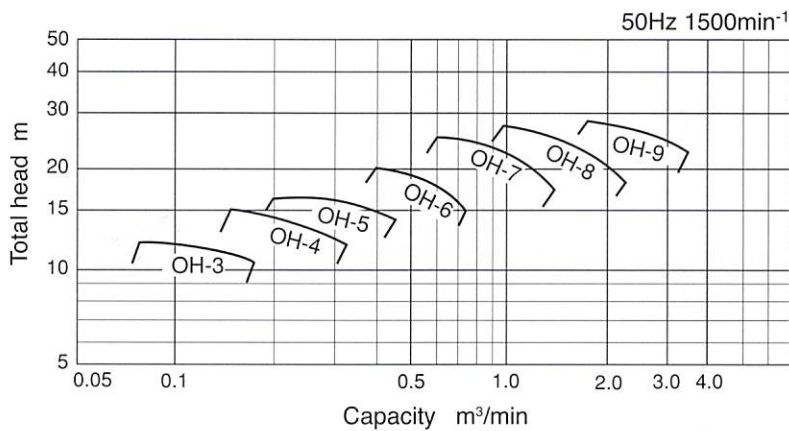
Uses

- Industrial uses
- Building facility
- Civil engineering & construction
- Agriculture
- Fishery

Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Performance Curve



Specifications

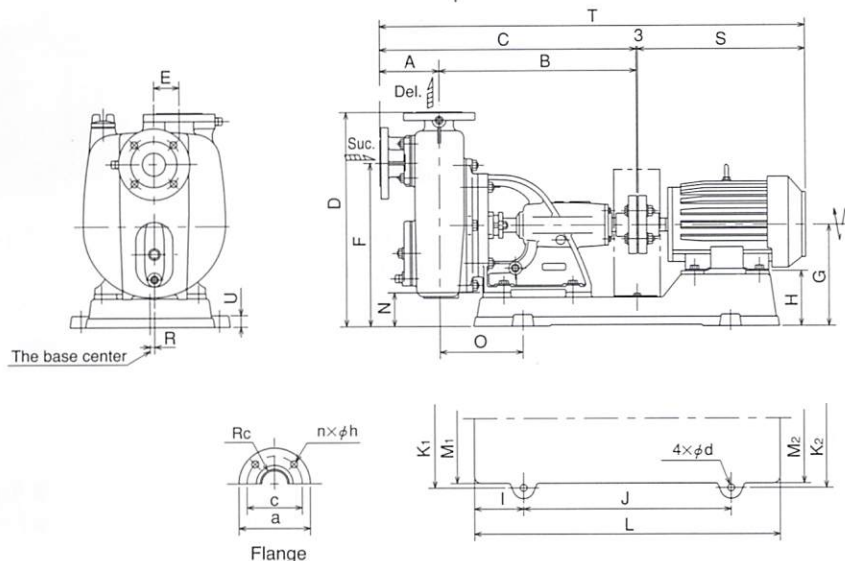
50Hz 1500min⁻¹

Bore mm	Model	Motor kW	Capacity m³/min	Total head m	Capacity m³/min	Total head m	Capacity m³/min	Total head m
40	OH-3	0.75	0.09	12	0.13	11.5	0.18	10.5
50	OH-4	1.5	0.15	15	0.25	13.5	0.33	12
65	OH-5	2.2	0.3	16	0.38	15	0.45	13.5
80	OH-6	3.7	0.4	20	0.55	18	0.7	15.5
100	OH-7	7.5	0.8	23	1.0	22	1.4	17.5
125	OH-8	15	1.0	26	1.4	24	2.0	20
150	OH-9	22	2.0	28	2.7	26.5	3.2	24.5

Model OH

Size

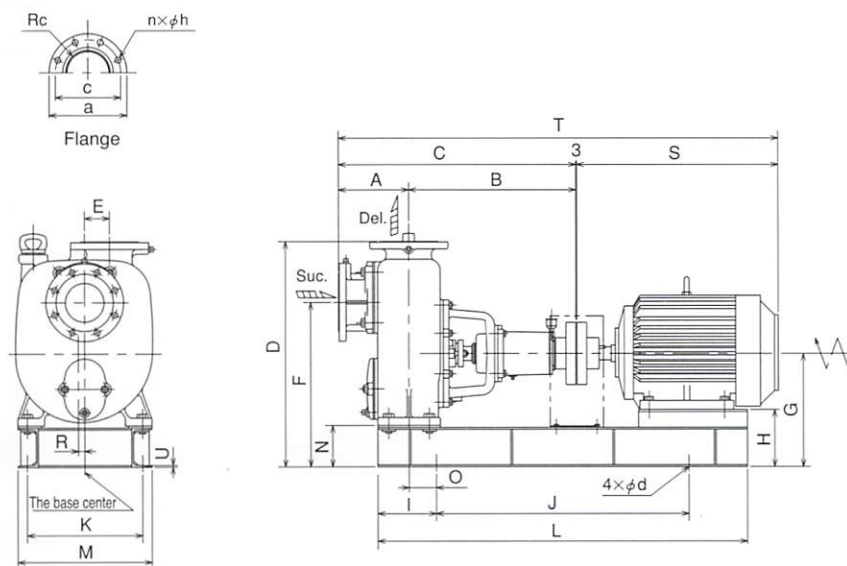
- OH-3
- OH-4
- OH-5
- OH-6



Bore mm	Model	Motor kW	Output dimension mm																			Flange size				Weight kg			
			A	B	C	D	E	F	G	H	I	J	K ₁	K ₂	L	M ₁	M ₂	N	O	R	S	T	U	d	Rc		a	c	n×h
40	OH-3	0.75	124	399	523	454	55	340	225	145	105	390	300	300	600	280	280	80	148.5	8	262	788	27	12	1 1/2	140	105	4×15	75
50	OH-4	1.5	129	427	556	463	55	353	218	128	95	450	300	300	640	280	247	73	168	10	313.5	872.5	26	15	2	155	120	4×15	88
65	OH-5	2.2	156	522	678	505	55	362	230	130	135	460	340	290	730	305	258	70	234.5	10	362	1043	32	19	2 1/2	175	140	4×15	127
80	OH-6	3.7	156	522	678	510	55	367	235	123	125	500	340	340	750	300	300	75	222.5	10	376	1057	34	19	3	185	150	8×15	136

※Size S·T will be change with motors. The weight include the weight of the base, but not motor.

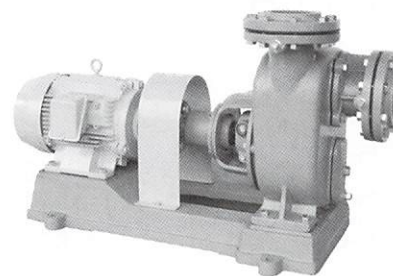
- OH-7
- OH-8
- OH-9



Bore mm	Model	Motor kW	Output dimension mm																			Flange size				Weight kg			
			A	B	C	D	E	F	G	H	I	J	K ₁	K ₂	L	M ₁	M ₂	N	O	R	S	T	U	d	Rc		a	c	n×h
100	OH-7	7.5	195	515	710	664	80	494	332	200	125.5	720	315	315	971	375	375	132	45.5	13	485	1198	8	19	4	210	175	8×15	220
125	OH-8	15	226	535	761	722	80	527	362	202	165.5	810	370	370	1141	430	430	132	65.5	20	619	1383	8	19	5	250	210	8×19	320
150	OH-9	22	244	703	947	827	120	627	417	237	200	1000	460	460	1400	520	520	157	85	30	646	1596	12.5	19	6	280	240	8×19	430

※Size S·T will be change with motors. The weight include the weight of the base, but not motor.

OW & OHW Tandem type mechanical seal



Features

- The tandem type mechanical seal ensure no water leakage.
- Motor side mechanical seal is in the oil bath ensures reliable sealing to last long.
- Employing a closed type ball bearing, no lubrication is required.
- The semi-open impeller can pump up water containing sand, and slurry.
- The high self-priming performance ensure high pump efficiency for high head. (OHW)

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water, Filty water
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	semi-open
	Shaft Seal	Mechanical Seal (SiC×SiC/SiC×SiC)
	Bearing	Ball bearing
Material	Casing	FC200
	Impeller	FC200
	Shaft	SUS304 (OW), SUS420J2 (OHW)
Motor (Option)	Type	TEFC
	Power	3 Phase 50Hz 200V
	Pole	4 Pole
Flange	JIS10K, thin	

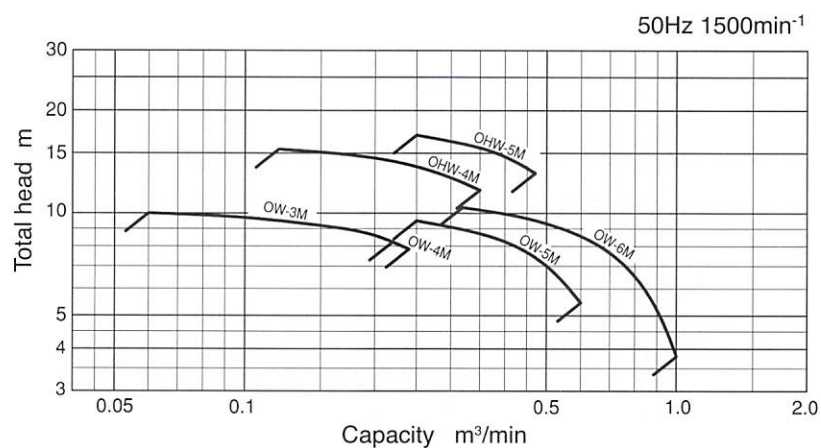
Uses

- Industrial uses
- Building facility
- Civil engineering & construction
- Agriculture
- Fishery

Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Performance Curve



Specifications

OW

50Hz 1500min⁻¹

Bore mm	Model	Motor kW	Capacity m³/min	Total head m	Capacity m³/min	Total head m	Capacity m³/min	Total head m
40	OW-3M	0.75	0.10	9.5	0.15	9.0	0.20	8.3
50	OW-4M	0.75	0.12	9.1	0.17	8.5	0.22	8.0
65	OW-5M	1.5	0.32	8.8	0.45	7.5	0.55	6.0
80	OW-6M	2.2	0.45	9.5	0.70	7.5	0.90	5.0

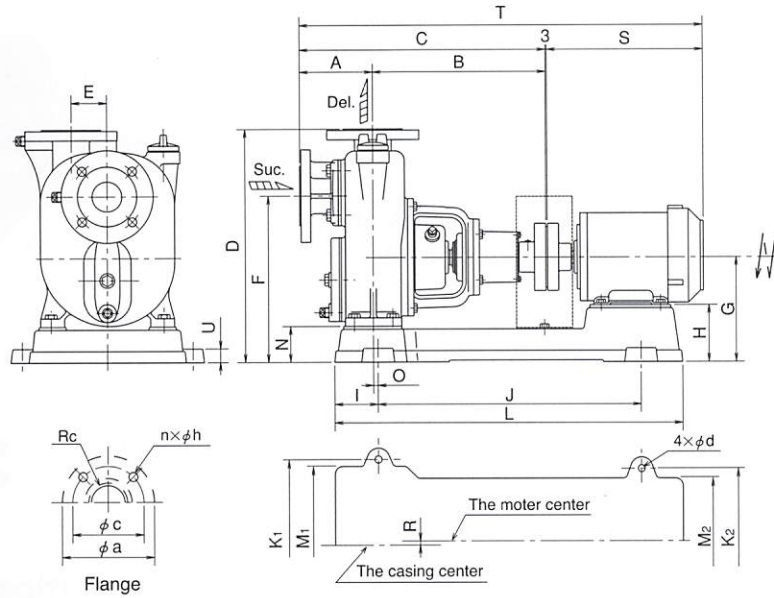
OHW

50Hz 1500min⁻¹

Bore mm	Model	Motor kW	Capacity m³/min	Total head m	Capacity m³/min	Total head m	Capacity m³/min	Total head m
50	OHW-4M	1.5	0.15	15.0	0.25	13.5	0.33	12.0
65	OHW-5M	2.2	0.3	16.0	0.38	15.0	0.45	13.5

Size

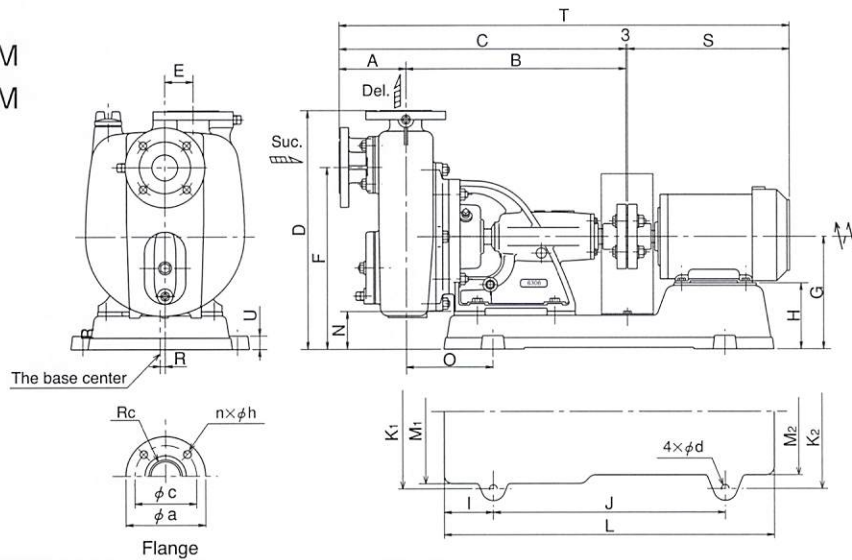
- OW-3M
- OW-4M
- OW-5M
- OW-6M



Bore mm	Model	Motor kW	Output dimension mm																	Flange size				Weight kg					
			A	B	C	D	E	F	G	H	I	J	K ₁	K ₂	L	M ₁	M ₂	N	O	R	S	T	U		d	Rc	a	c	n×h
40	OW-3M	0.75	123	290	413	390	60	278	175	95	73	442	287	242	585	264	210	60	7.5	7	262	678	23	12	1 1/2	140	105	4×15	48
50	OW-4M	0.75	123	290	413	390	60	278	175	95	73	442	287	242	585	264	210	60	7.5	7	262	678	23	12	2	155	120	4×15	48
65	OW-5M	1.5	157	305	462	454	105	329	224	134	83	485	340	255	662	310	227	74	2	6	314	779	25	15	2 1/2	175	140	4×15	73
80	OW-6M	2.2	158	310	468	468	110	335	223	123	86	525	335	280	693	314	256	73	5	6	362	833	25	15	3	185	150	8×15	75

※Size S·T will be change with motors. The weight include the weight of the base, but not motor.

- OHW-4M
- OHW-5M



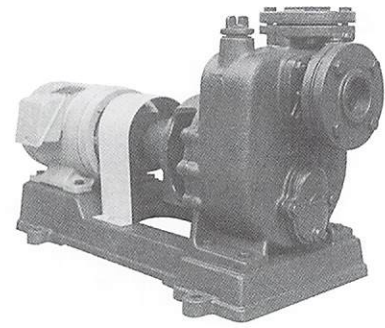
Bore mm	Model	Motor kW	Output dimension mm																	Flange size				Weight kg					
			A	B	C	D	E	F	G	H	I	J	K ₁	K ₂	L	M ₁	M ₂	N	O	R	S	T	U		d	Rc	a	c	n×h
50	OHW-4M	1.5	129	427	556	463	55	353	218	128	95	450	300	300	640	280	247	73	168	10	313.5	872.5	26	15	2	155	120	4×15	88
65	OHW-5M	2.2	156	522	678	505	55	362	230	130	135	460	340	290	730	305	258	70	234.5	10	362	1043	32	19	2 1/2	175	140	4×15	127

※Size S·T will be change with motors. The weight include the weight of the base, but not motor.

P



Pair pump



Features

- The operation is smooth and quiet due to the plate and impeller being combined into a special structure.
- Terada's unique self-priming mechanism ensures excellent self-priming performance without a decrease in pumping efficiency.
- Employing a closed type ball bearing, no lubrication is required.

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water, Filty water
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	closed
	Shaft Seal	Gland Packing
	Bearing	Ball bearing
Material	Casing	FC200
	Impeller	CAC406
	Shaft	SUS420J2
Motor (Option)	Type	TEFC
	Power	3 Phase 50Hz 200V
	Pole	4 Pole
Flange		JIS10K, thin

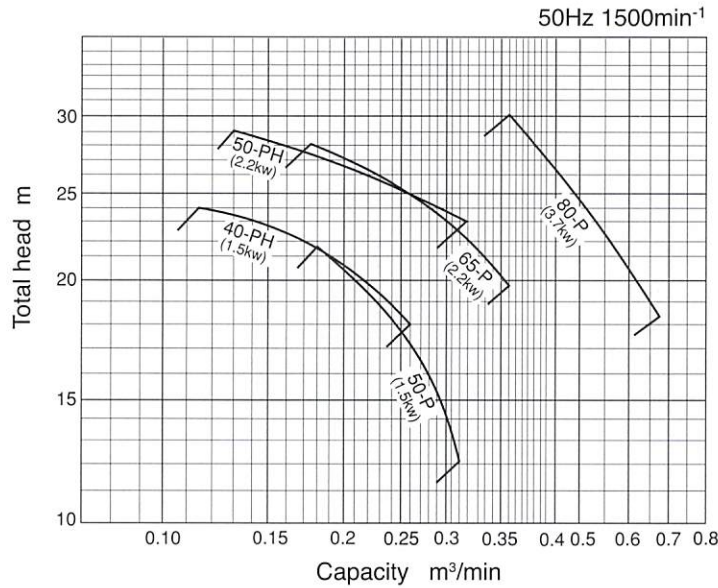
Uses

- Building facility
- Home use
- Agriculture
- Fishery

Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Performance Curve



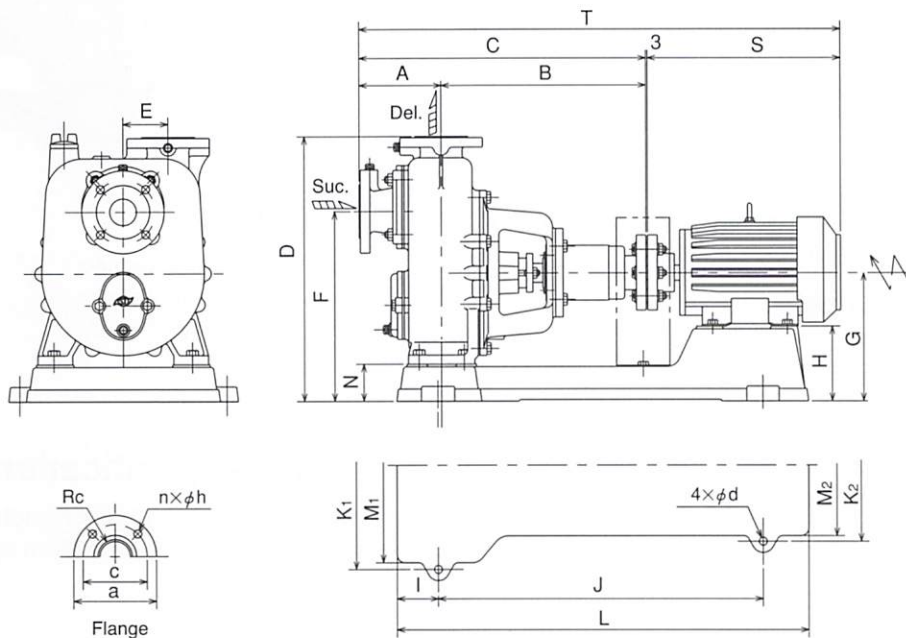
Specifications

50Hz 1500min⁻¹

Bore mm	Model	No. of stages	Motor kW	Capacity m³/min	Total head m	Capacity m³/min	Total head m	Capacity m³/min	Total head m
40	40-PH	2	1.5	0.11	24	0.19	21	0.24	18
50	50-P	2	1.5	0.14	23	0.21	20	0.27	16
	50-PH	2	2.2	0.18	27.5	0.25	25	0.3	23
65	65-P	2	2.2	0.26	25	0.3	23	0.37	20
80	80-P	2	3.7	0.4	28	0.5	24	0.65	17

Model P

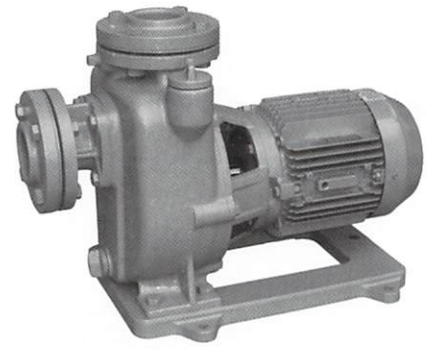
Size



צורה n n	Model	מכסה kW	Output dimension in mm																		Flange size				Weight (kg)	
			A	B	C	D	E	F	G	H	I	J	K ₁	K ₂	L	M ₁	M ₂	N	S	T	d	Rc	a	c		n×h
40	40-PH	1.5	130	330	460	428	75	323	208	118	82.5	505	343	280	688	321	259	73	313.5	776.5	15	1½	140	105	4×15	81
50	50-P	1.5	130	330	460	428	75	323	208	118	82.5	505	343	280	688	321	259	73	313.5	776.5	15	2	155	120	4×15	81
	50-PH	2.2	154	384	538	495	85	355	240	140	77.5	610	389	285	773	364	264	70	362	903	15	2	155	120	4×15	114
65	65-P	2.2	154	384	538	495	85	355	240	140	77.5	610	389	285	773	364	264	70	362	903	15	2½	175	140	4×15	118
80	80-P	3.7	162	394	556	525	85	372	240	128	90	616	393	313	795	366	287	70	376	935	15	3	185	150	8×15	131

※Size S•T will be change with motors. The weight include the weight of the base, but not motor.

MPJ Motor pump



Features

- The unitized pump-motor arrangement helps provide an extremely compact, light-weight unit that is capable of outstanding pumping performance.
- The specifications covers a wide range of use, meeting various requirements.
- Motor and shaft seal need no oil and are easy to use. They have excellent durability, and ensure a service life.

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	closed
	Shaft Seal	Mechanical Seal
	Bearing	Ball bearing
Material	Casing	FC200
	Impeller	CAC406
	Shaft	SUS304
Motor	Type	TEFC
	Power	3 Phase 50Hz 200V
	Pole	2 Pole
Flange		JIS10K, thin

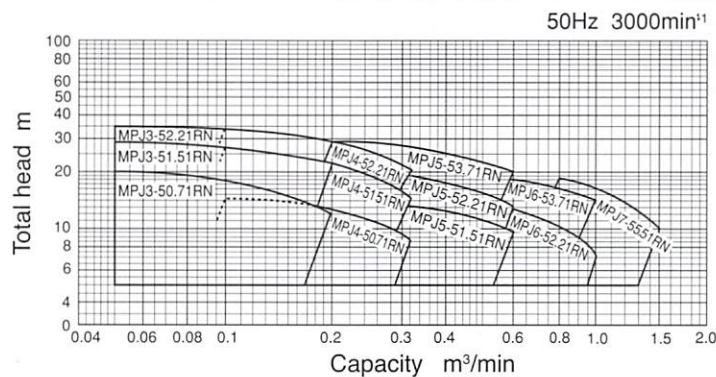
Uses

- Building facility
- Agriculture
- Industrial uses

Special Specifications

Please specify voltage for each pump on your order. Please contact us for custom specifications.

Performance Curve

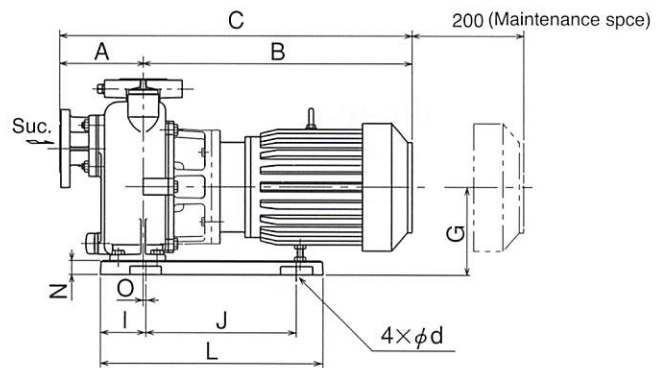
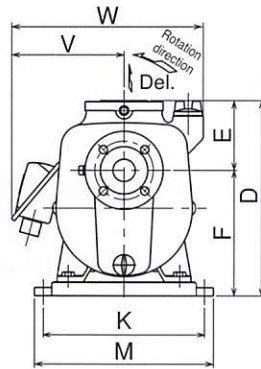
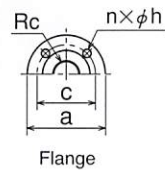


Specifications

Bore mm	Model	Motor kW	Capacity m ³ /min	Total head m	50Hz 3000min ⁻¹			
					Capacity m ³ /min	Total head m	Capacity m ³ /min	Total head m
40	MPJ3-50.71RN	0.75	0.05	20	0.14	15	0.20	9.5
	MPJ3-51.51RN	1.5	0.05	27	0.14	24	0.20	21
	MPJ3-52.21RN	2.2	0.05	34	0.14	31.5	0.20	27.5
50	MPJ4-50.71RN	0.75	0.10	14	0.22	11.5	0.32	8
	MPJ4-51.51RN	1.5	0.10	25.5	0.22	20	0.32	12
	MPJ4-52.21RN	2.2	0.10	33	0.22	27	0.32	19
65	MPJ5-51.51RN	1.5	0.20	14.5	0.40	12.5	0.60	9
	MPJ5-52.21RN	2.2	0.20	20	0.40	17	0.60	12
	MPJ5-53.71RN	3.7	0.20	31	0.40	26	0.60	19
80	MPJ6-52.21RN	2.2	0.40	13.5	0.70	11	1.00	7
	MPJ6-53.71RN	3.7	0.40	20.5	0.70	17.5	1.00	13
100	MPJ7-55.51RN	5.5	0.80	17	1.20	12.5	1.50	9

Model MPJ

Size



50Hz

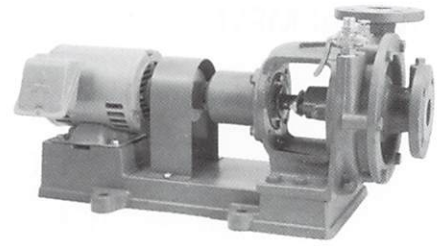
Bore mm	Model	Motor kW	Output dimension mm														Flange size				Weight kg			
			A	B	C	D	E	F	G	I	J	K	L	M	N	O	V	W	d	Rc		a	c	n×h
40	MPJ3-50.71RN	0.75	125	361	486	325	110	215	137	62	230	260	350	292	25	0	157	290	12	1½	140	105	4×15	36.5
	MPJ3-51.51RN	1.5	150	364	514	350	125	225	157	82	270	290	400	322	25	5	153	296	12	1½	140	105	4×15	42.5
	MPJ3-52.21RN	2.2	150	364	514	350	125	225	157	82	270	290	400	322	25	5	153	296	12	1½	140	105	4×15	44
50	MPJ4-50.71RN	0.75	125	361	486	325	110	215	137	62	230	260	350	292	25	0	157	290	12	2	155	120	4×15	37.5
	MPJ4-51.51RN	1.5	150	364	514	350	125	225	157	82	270	290	400	322	25	5	153	296	12	2	155	120	4×15	43.5
	MPJ4-52.21RN	2.2	150	364	514	350	125	225	157	82	270	290	400	322	25	5	153	296	12	2	155	120	4×15	45
65	MPJ5-51.51RN	1.5	175	387	562	385	140	245	157	82	270	290	400	322	25	28	153	311	12	2½	175	140	4×15	52.5
	MPJ5-52.21RN	2.2	175	387	562	385	140	245	157	82	270	290	400	322	25	28	153	311	12	2½	175	140	4×15	54
	MPJ5-53.71RN	3.7	175	457	632	385	140	245	157	82	270	290	400	322	25	28	164	322	12	2½	175	140	4×15	60
80	MPJ6-52.21RN	2.2	175	387	562	385	140	245	157	82	270	290	400	322	25	28	153	311	12	3	185	150	8×15	54
	MPJ6-53.71RN	3.7	175	457	632	385	140	245	157	82	270	290	400	322	25	28	164	322	12	3	185	150	8×15	61
100	MPJ7-55.51RN	5.5	223	541	764	485	161	324	185	90	320	315	470	355	35	0	240	389	15	4	210	175	8×15	113

※ Plug position of the Model MPJ7-55.51RN is different of this figure.

OF



Gland packing



Features

- The lineup of various models suitable for wide variety of applications are available.

Uses

- Building facility
- Agriculture
- Water supply

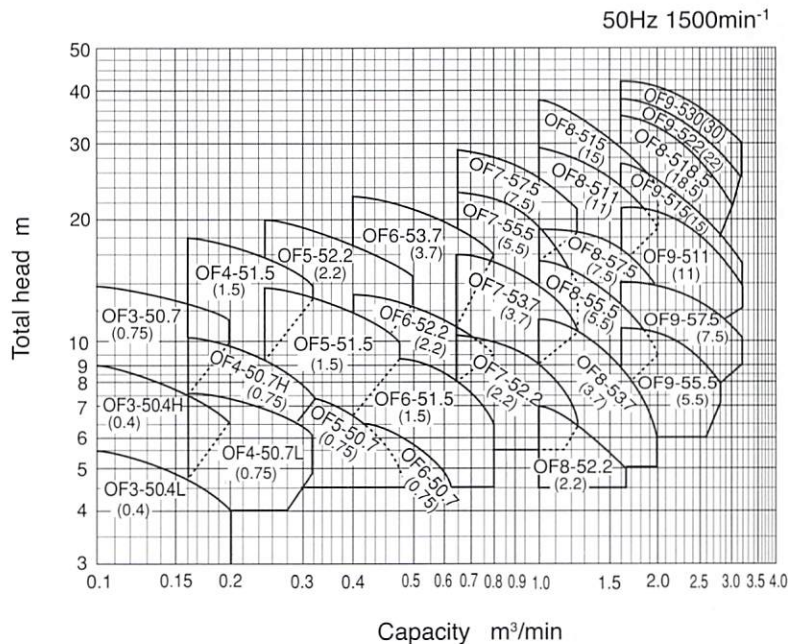
Standard Specifications

Pumping Fluid	Type of Fluid	Natural water
	Fluid Temperature	0-80°C (Without freezing)
Structure	Impeller	closed
	Shaft Seal	Gland Packing
	Bearing	Ball bearing
Material	Casing	FC200
	Impeller	FC200: Bore 40-80mm CAC406: Bore 100-150mm
	Shaft	SUS304
Motor	Type	TEFC
	Power	3 Phase 50Hz 200V
	Pole	4 Pole
Flange		JIS10k, thin

Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Performance Curve



Model OF

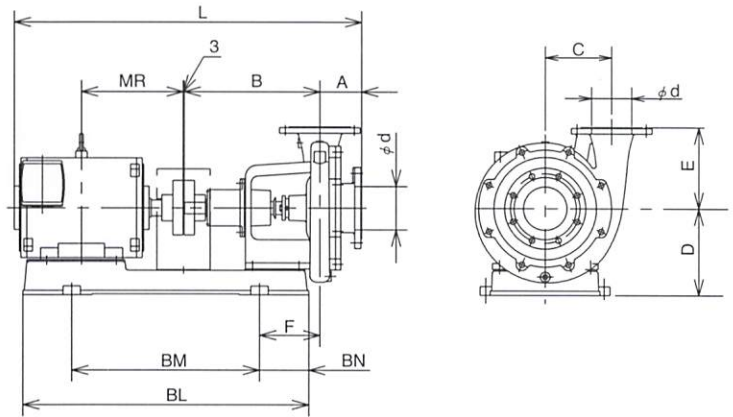
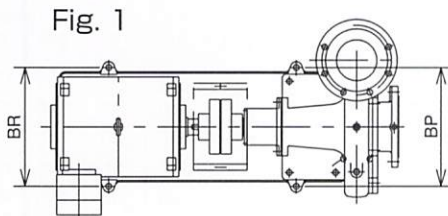
Specifications

50Hz 1500min⁻¹

Bore mm	Model	Motor kW	Capacity m ³ /min	Total head m	Capacity m ³ /min	Total head m	Capacity m ³ /min	Total head m
40	OF3-50.4L	0.4	0.10	5.5	0.15	5.0	0.20	4.0
	OF3-50.4H	0.4	0.10	8.8	0.15	7.8	0.20	6.5
	OF3-50.7	0.75	0.10	13.6	0.15	12.8	0.20	11.5
50	OF4-50.7L	0.75	0.16	7.5	0.24	7.0	0.32	6.0
	OF4-50.7H	0.75	0.16	10.5	0.24	9.4	0.32	7.2
	OF4-51.5	1.5	0.16	17.5	0.24	16.0	0.32	13.4
65	OF5-50.7	0.75	0.25	7.5	0.37	7.0	0.50	5.0
	OF5-51.5	1.5	0.25	13.4	0.37	12.0	0.50	10.0
	OF5-52.2	2.2	0.25	19.5	0.37	17.5	0.50	14.5
80	OF6-50.7	0.75	0.40	6.5	0.56	5.5	0.62	4.5
	OF6-51.5	1.5	0.40	10.0	0.60	8.5	0.80	6.5
	OF6-52.2	2.2	0.40	13.2	0.60	11.6	0.80	9.5
	OF6-53.7	3.7	0.40	22.0	0.60	19.4	0.80	16.0
100	OF7-52.2	2.2	0.63	10.5	1.00	9.0	1.25	6.5
	OF7-53.7	3.7	0.63	16.0	1.00	14.0	1.25	11.2
	OF7-55.5	5.5	0.63	23.5	1.00	19.0	1.25	13.5
	OF7-57.5	7.5	0.63	29.0	1.00	25.0	1.25	21.0
125	OF8-52.2	2.2	1.00	7.0	1.40	6.0	1.65	5.0
	OF8-53.7	3.7	1.00	11.5	1.50	9.5	2.00	6.0
	OF8-55.5	5.5	1.00	15.6	1.50	13.4	2.00	9.5
	OF8-57.5	7.5	1.00	19.0	1.50	17.2	2.00	13.5
	OF8-511	11	1.00	29.5	1.50	25.5	2.00	19.5
150	OF8-515	15	1.00	38.0	1.50	32.0	2.00	24.0
	OF9-55.5	5.5	1.60	11.0	2.20	10.0	2.80	8.0
	OF9-57.5	7.5	1.60	14.0	2.40	12.8	3.15	10.4
	OF9-511	11	1.60	21.2	2.40	18.5	3.15	13.4
	OF9-515	15	1.60	27.0	2.40	22.0	3.15	15.0
	OF9-518.5	18.5	1.60	34.5	2.40	29.0	3.00	21.0
	OF9-522	22	1.60	38.0	2.40	33.0	3.15	25.0
OF9-530	30	1.60	42.0	2.40	38.0	3.15	30.0	

Model OF

Size

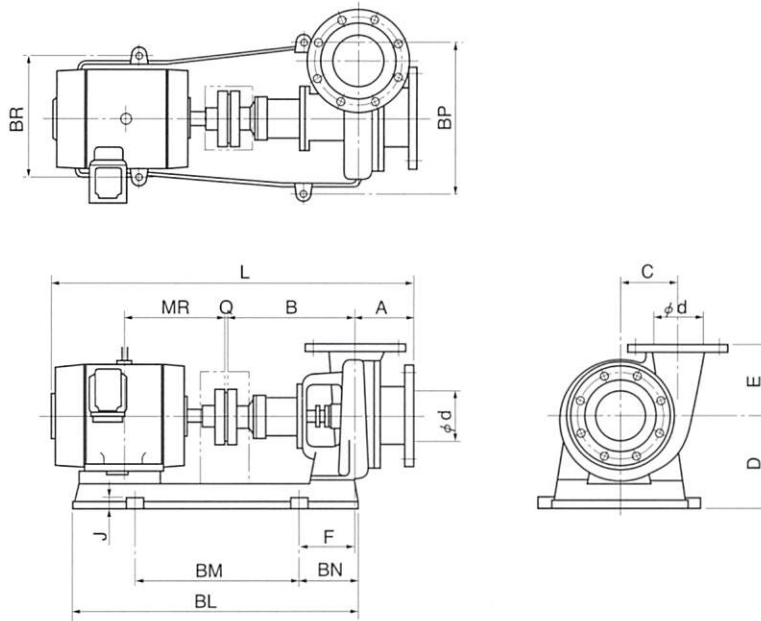


Bore mm d	Model	Motor kW	Output dimension mm													Weight kg	
			A	B	C	D	E	F	J	L	MR	BL	BM	BN	BP		BR
40	OF3-50.4L	0.4	89	249	80	140	120	110	25	579	120	443	243	100	200	200	35
	OF3-50.4H	0.4	101	288	106	165	140	145	25	630	120	482	222	130	200	200	48
	OF3-50.7	0.75	108	287	126	170	165	154	25	633	140	510	230	140	220	220	55
50	OF4-50.7L	0.75	91	252	90	170	130	123	25	581	140	510	230	140	220	220	46
	OF4-50.7H	0.75	107	289	120	170	165	156	25	634	140	510	230	140	220	220	56
	OF4-51.5	1.5	108	288	134	185	170	151	25	680	169	551	281	135	230	230	65
65	OF5-50.7	0.75	107	253	100	170	145	120	25	598	140	510	230	140	220	220	53
	OF5-51.5	1.5	127	345	136	185	170	170	25	756	169	587	287	150	230	230	85
	OF5-52.2	2.2	130	345	147	185	180	169	30	801	193	620	315	145	240	240	103
80	OF6-50.7	0.75	108	255	112	185	150	112	25	601	140	510	250	130	215	215	57
	OF6-51.5	1.5	108	255	112	185	150	117	25	647	169	551	281	135	230	230	63
	OF6-52.2	2.2	130	345	138	185	170	169	30	801	193	620	315	145	240	240	101
	OF6-53.7	3.7	129	345	162	230	200	169	30	813	200	650	350	150	370	286	130
100	OF7-52.2	2.2	130	307	124	205	165	129	25	763	193	618	318	150	250	250	99
125	OF8-52.2	2.2	135	308	125	210	165	123	30	769	193	620	332	135	250	250	104
	OF8-53.7	3.7	141	309	140	230	175	139	30	789	200	650	350	150	370	286	122

※Size L-MR will be change with motors.

Model OF Size

Fig. 2



Bore mm d	Model	Motor kW	Output dimension mm														Weight kg	
			A	B	C	D	E	F	J	L	Q	MR	BL	BM	BN	BP		BR
100	OF7-53.7	3.7	110	374	155	240	190	171	30	823	3	200	650	370	140	320	280	134
	OF7-55.5	5.5	115	401	179	270	220	188	30	911	3	239	750	450	150	340	340	177
	OF7-57.5	7.5	115	401	179	270	220	188	30	949	3	258	750	450	150	340	340	187
125	OF8-55.5	5.5	125	401	178	270	220	188	30	921	3	239	750	450	150	340	340	190
	OF8-57.5	7.5	125	401	178	270	220	188	30	959	3	258	750	450	150	340	340	200
	OF8-511	11	130	401	190	270	220	187	30	1052	3	323	880	580	150	370	370	243
	OF8-515	15	140	468	217	300	260	207	30	1173	3	345	940	610	165	410	365	291
150	OF9-55.5	5.5	135	413	187	270	230	200	30	943	3	239	750	450	150	340	340	203
	OF9-57.5	7.5	135	413	187	270	230	200	30	981	3	258	750	450	150	340	340	213
	OF9-511	11	130	412	195	270	240	198	30	1063	3	323	880	580	150	370	370	249
	OF9-515	15	140	467	220	300	240	207	30	1172	3	345	940	610	165	410	365	306
	OF9-518.5	18.5	145	468	230	300	280	207	30	1187	3	345	940	610	165	410	365	317
	OF9-522	22	145	468	230	300	280	209	30	1193	3	352	990	650	170	410	410	345
	OF9-530	30	145	471	230	300	280	209	30	1204	4	352	990	650	170	410	410	366

※Size L・MR will be change with motors.

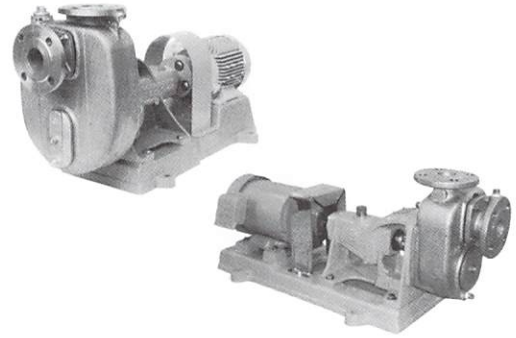
CO

(4P)



Stainless steel

SCS13



Features

- The lineup of various models suitable for wide variety of applications are available.

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water, Filty water
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	semi-open
	Shaft Seal	Gland Packing
	Bearing	Ball bearing
Material	Casing	SUS13
	Impeller	SUS13
	Shaft	SUS304
Motor (Option)	Type	TEFC
	Power	3 Phase 50Hz 200V
	Pole	4 Pole
Flange		JIS10K

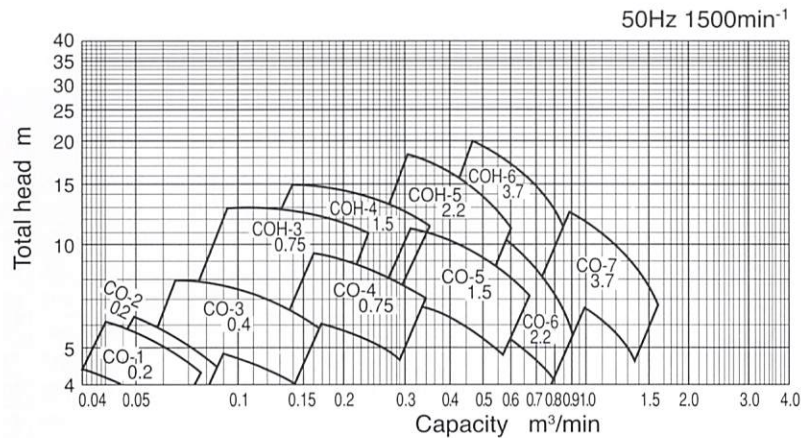
Uses

- Industrial uses
- Plant
- Antipollution plant
- Sewage disposal

Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Performance Curve



Specifications

50Hz 1500min⁻¹

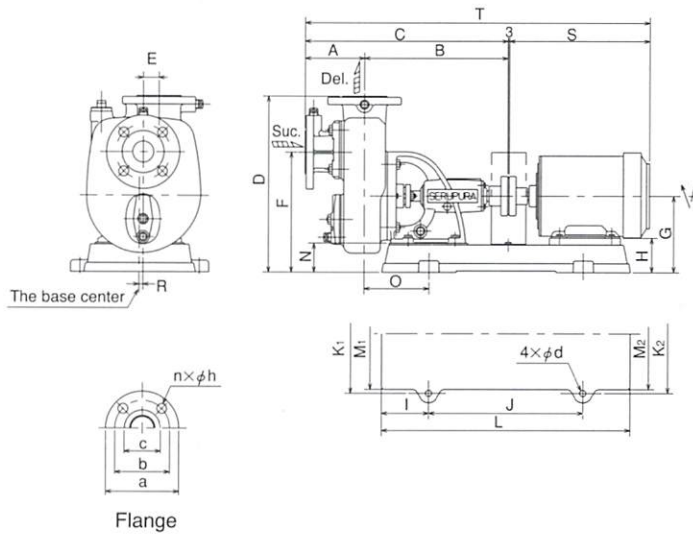
Bore mm	Model	Motor kW	Capacity m³/min	Total head m	Capacity m³/min	Total head m	Capacity m³/min	Total head m
25	CO-1	0.2	0.05	5.5	0.06	5	0.07	4.5
32	CO-2	0.2	0.06	5.5	0.07	5	0.08	4.5
40	CO-3	0.4	0.08	7.5	0.11	7	0.15	6
	COH-3	0.75	0.1	12.5	0.16	12	0.22	11.5
50	CO-4	0.75	0.17	9	0.26	8	0.32	7
	COH-4	1.5	0.16	14.5	0.22	14	0.32	12
65	CO-5	1.5	0.32	11	0.45	9.5	0.6	8
	COH-5	2.2	0.35	17	0.45	14	0.55	12
80	CO-6	2.2	0.65	9	0.75	7.5	0.85	6
	COH-6	3.7	0.5	19	0.65	16	0.8	12
100	CO-7	3.7	0.9	12.5	1.2	10	1.5	7

ON-LAND TYPE (Self-priming Pump)

Model CO (4P) Gland Packing type

Size

CO-1~CO-7



Flange size

Bore mm	25	32	40	50	65	80	100
a	125	125	140	155	175	185	210
b	90	90	105	120	140	155	175
c	70	70	85	100	120	130	155
n x h	4 x 19	4 x 19	4 x 19	4 x 19	4 x 19	8 x 19	8 x 19

CO-1~CO-7

Bore mm	Model	Motor kW	Output dimension mm																			Weight kg		
			A	B	C	D	E	F	G	H	I	J	K ₁	K ₂	L	M ₁	M ₂	N	O	R	S		T	d
25	CO-1	0.2	108	269	377	320	30	215	145	82	74	295	228	228	443	200	200	55	94.5	6	221	601	12	42
32	CO-2	0.2	108	269	377	320	30	215	145	82	74	295	228	228	443	200	200	55	94.5	6	221	601	12	42
40	CO-3	0.4	113	274	387	335	30	228	145	74	80	295	228	228	455	200	200	55	114	7.5	244	634	12	48
	COH-3	0.75	126	400	526	454	55	340	225	145	105	390	300	300	600	280	280	80	148.5	8	262	791	15	82
50	CO-4	0.75	123	363	486	400	40	298	195	115	96	363	295	242	555	271	219	65	141	8	262	751	15	63
	COH-4	1.5	129	427	556	463	55	353	218	128	95	450	300	300	640	280	247	73	168	10	313.5	872.5	15	95
65	CO-5	1.5	153	413	566	468	55	330	218	128	95	450	300	300	640	280	247	73	154	10	313.5	882.5	15	92
	COH-5	2.2	155	522	677	503	55	362	230	130	135	460	340	290	730	305	258	70	233.5	10	355	1035	19	135
80	CO-6	2.2	153	413	566	468	55	330	218	118	106	450	300	300	662	280	280	73	165	13	362	931	15	95
	COH-6	3.7	154	524	678	508	55	367	235	123	125	500	340	340	750	301	301	75	223.5	10	390	1071	19	144
100	CO-7	3.7	187	515	702	530	55	372	235	123	125	500	340	340	750	300	300	75	214	15	376	1081	19	148

※Size S•T will be change with motors. The weight include the weight of the base, but not motor.

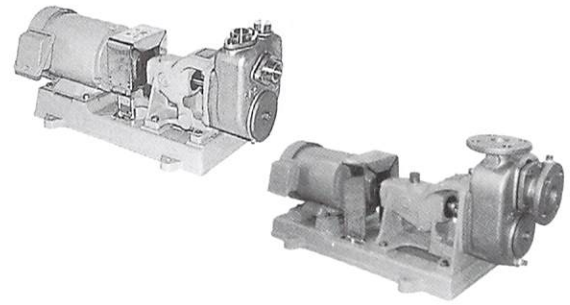
CO

(2P)



Stainless steel

SCS13



Features

- A mechanical system other than the gland system is available.
- Materials are SUS304, SUS316, etc.
- The lineup of various models suitable for wide variety of applications are available.

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water, Filty water
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	semi-open
	Shaft Seal	Gland Packing
	Bearing	Ball bearing
Material	Casing	SUS13
	Impeller	SUS13
	Shaft	SUS304
Motor (Option)	Type	TEFC
	Power	3 Phase 50Hz 200V
	Pole	2 Pole
Flange	Flag shape is varies according to the model.	

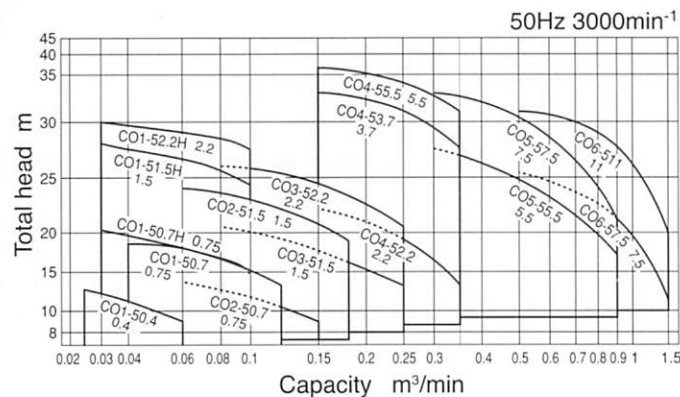
Uses

- Industrial uses
- Plant
- Antipollution plant
- Sewage disposal

Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Performance Curve



Specifications

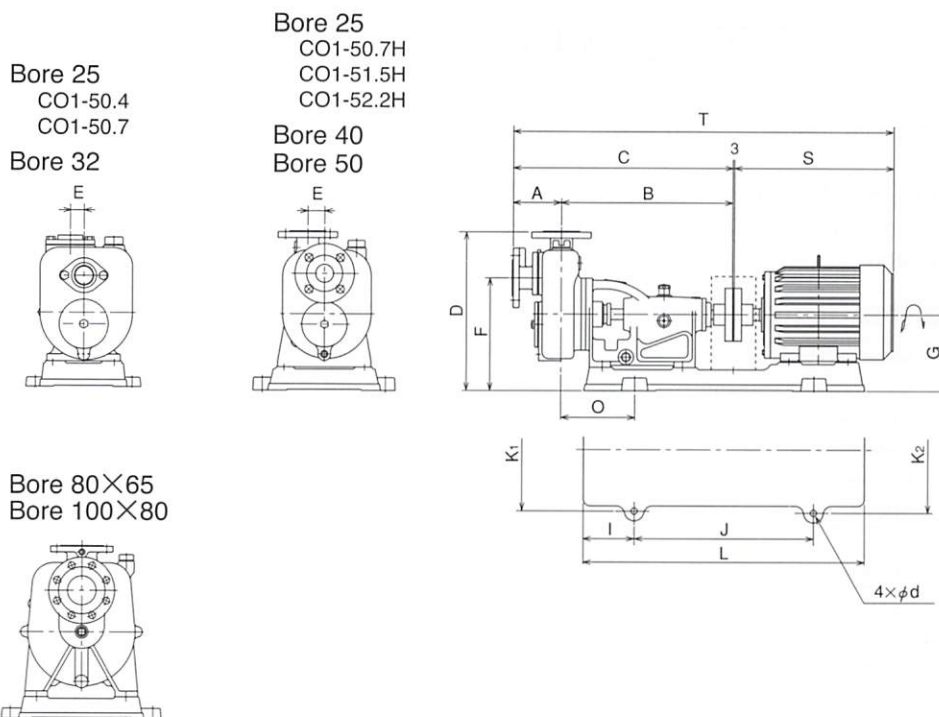
Bore mm	Model	Motor kW	Capacity m³/min	Total head m	50Hz 3000min ⁻¹			
					Capacity m³/min	Total head m	Capacity m³/min	Total head m
25	CO1-50.4	0.4	0.025	12.5	0.04	11	0.06	9
	CO1-50.7	0.75	0.04	18.5	0.08	16.5	0.12	13
	CO1-50.7H	0.75	0.03	20.2	0.06	18	0.09	16
	CO1-51.5H	1.5	0.03	28	0.06	26.5	0.09	25
	CO1-52.2H	2.2	0.03	30	0.06	29	0.09	28
32	CO2-50.7	0.75	0.06	13.5	0.1	11.5	0.15	9
	CO2-51.5	1.5	0.06	24	0.12	22	0.18	19
40	※ CO3-51.5	1.5	0.08	20.5	0.16	17	0.25	13
	※ CO3-52.2	2.2	0.08	26	0.16	24	0.25	20.5
50	※ CO4-52.2	2.2	0.15	22	0.25	19	0.35	13
	※ CO4-53.7	3.7	0.15	33	0.25	31	0.35	27.5
	※ CO4-55.5	5.5	0.15	36.5	0.25	34	0.35	31
80 × 65	※ CO5-55.5	5.5	0.3	27.5	0.6	23	0.9	17
	※ CO5-57.5	7.5	0.3	33	0.6	28.5	0.9	21
100 × 80	※ CO6-57.5	7.5	0.5	25.5	1.0	19.5	1.5	11
	※ CO6-511	11	0.5	31	1.0	26.5	1.5	20

※ means "a pump with shaft sleeve".

ON-LAND TYPE (Self-priming Pump)

Model CO (2P) Gland Packing type

Size



Bore mm	Model	Motor kW	Output dimension mm																Weight kg
			A	B	C	D	E	F	G	I	J	K ₁	K ₂	L	O	S	T	d	
25	CO1-50.4	0.4	76	296	372	309	25	230	160	90	296	212	212	476	133	244	619	12	38
	CO1-50.7	0.75	76	296	372	309	25	230	160	90	296	212	212	476	133	262	637	12	38
	CO1-50.7H	0.75	113	305	418	347	50	255	160	90	296	212	212	476	142	262	683	12	40
	CO1-51.5H	1.5	113	305	418	352	50	260	165	83	362	238	238	528	130	312	733	12	41
	CO1-52.2H	2.2	113	305	418	352	50	260	165	83	362	238	238	528	130	312	733	12	44
32	CO2-50.7	0.75	80	305	385	327	30	240	160	90	296	212	212	476	142	262	650	12	36
	CO2-51.5	1.5	80	305	385	332	30	245	165	83	362	238	238	528	130	312	700	12	38
40	CO3-51.5	1.5	116	405	521	375	40	265	180	120	424	290	290	664	174	312	836	15	62
	CO3-52.2	2.2	116	405	521	375	40	265	180	120	424	290	290	664	174	312	836	15	62
50	CO4-52.2	2.2	123	416	539	400	50	280	180	120	424	290	290	664	185	312	854	15	73
	CO4-53.7	3.7	123	416	539	400	50	280	180	120	424	290	290	664	185	381	923	15	73
	CO4-55.5	5.5	123	421	544	412	50	292	192	140	466	280	314	745	203	451	998	15	74
80 ×65	CO5-55.5	5.5	184	360	544	480	—	355	240	150	600	400	350	836	72	451	998	15	102
	CO5-57.5	7.5	184	360	544	480	—	355	240	150	600	400	350	836	72	451	998	15	102
100 ×80	CO6-57.5	7.5	205	375	580	550	—	380	240	150	600	400	350	836	87	451	1034	15	124
	CO6-511	11	205	375	580	570	—	400	260	170	660	440	440	970	104	575	1158	19	144

※Size S·T will be change with motors. The weight include the weight of the base, but not motor.

TFS • TFSH



Gland packing • Mechanical seal

Features

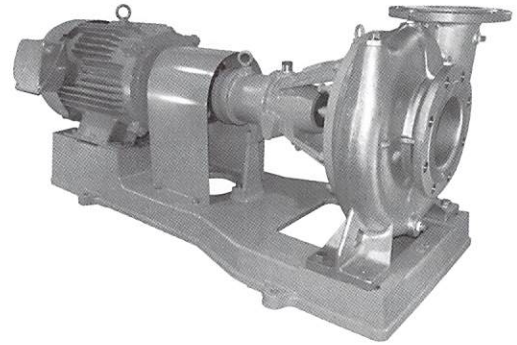
- The lineup of various models suitable for wide variety of applications are available.

Uses

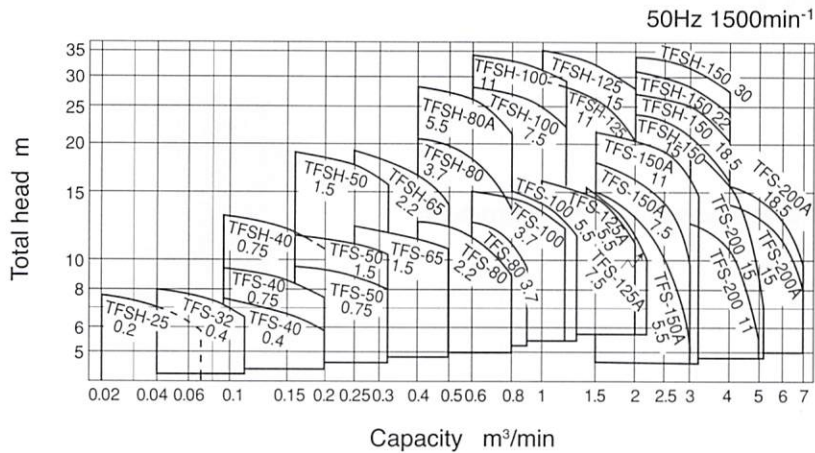
- Chemical industry
- Electronic industry
- Petroleum industry
- General industry

Specifications

Please contact us for specifications for your use.



Performance Curve



Model TFS · TFSH

Specifications

Model TFS

50Hz 1500min⁻¹

Bore mm	Model	Motor kW	Capacity m ³ /min	Total head m	Capacity m ³ /min	Total head m	Capacity m ³ /min	Total head m
32	TFS-32	0.4	0.04	8	0.07	7.5	0.11	6.5
40	TFS-40	0.4	0.09	7.4	0.15	6.6	0.2	5.8
	TFS-40	0.75	0.09	9.3	0.15	8.5	0.2	7.5
50	TFS-50	0.75	0.16	9.4	0.25	8.8	0.32	8
	TFS-50	1.5	0.16	11.5	0.25	11	0.32	10.2
65	TFS-65	1.5	0.25	12	0.4	11.2	0.5	10.6
80	TFS-80	2.2	0.4	12.5	0.6	11.4	0.8	9
	TFS-80	3.7	0.6	12.5	0.7	12	0.9	9.5
100	TFS-100	3.7	0.6	15	0.9	14	1.2	12
	TFS-100	5.5	0.8	15	1	14	1.3	11.5
125	TFS-125A	5.5	1	16	1.5	14.5	2	11
	TFS-125A	7.5	1.4	15.5	1.8	13	2.2	10
150	TFS-150A	5.5	1.5	15	2.5	10	3	5
	TFS-150A	7.5	1.5	17.8	2.5	14	3	9
	TFS-150A	11	1.5	21.4	2.5	19	3.2	14.5
200	TFS-200	11	3	12.5	4	10.5	5	5.5
	TFS-200	15	3	19.5	4	15.7	5.2	7
	TFS-200A	15	4	14	5.5	12	7	8
	TFS-200A	18.5	4	15.5	5.5	13.5	7	9.5

Model TFSH

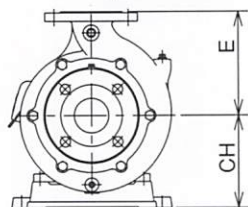
50Hz 1500min⁻¹

Bore mm	Model	Motor kW	Capacity m ³ /min	Total head m	Capacity m ³ /min	Total head m	Capacity m ³ /min	Total head m
25	TFSH-25	0.2	0.02	7.6	0.04	7	0.06	6.2
40	TFSH-40	0.75	0.09	13	0.15	12	0.2	10.5
50	TFSH-50	1.5	0.16	19	0.25	17.5	0.32	15.5
65	TFSH-65	2.2	0.25	19	0.4	16.5	0.5	14
80	TFSH-80	3.7	0.4	20.5	0.6	18.2	0.8	13.5
	TFSH-80A	5.5	0.4	28	0.6	26	0.8	21
100	TFSH-100	7.5	0.6	28	0.9	26	1.2	22
	TFSH-100	11	0.6	34	0.9	32	1.2	29
125	TFSH-125	11	1	29	1.5	26	2	20
	TFSH-125	15	1	35	1.5	32	2	27.5
150	TFSH-150	15	2	24	3	21	4	16
	TFSH-150	18.5	2	27	3	25	4	20.5
	TFSH-150	22	2	31	3	28	4	24
	TFSH-150	30	2	33.5	3	31.5	4	27.5

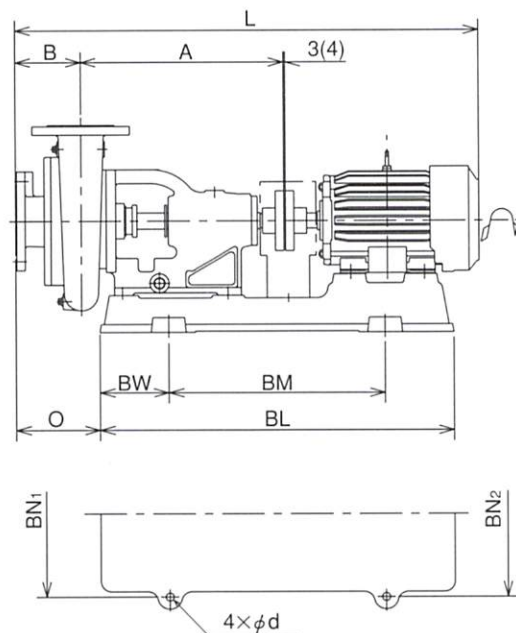
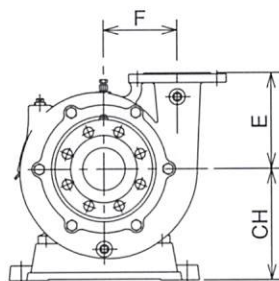
TModel FS · TFSH

Size

TFS-32~65



TFS-80~200A
TFSH-25~150



TFS

Bore mm	Model	Motor kW	Output dimension mm													Weight kg
			A	B	CH	E	F	L	O	BL	BM	BW	BN1	BN2	d	
32	TFS-32	0.4	277	74	160	139	-	598	98	476	296	90	212	212	12	38
	TFS-40	0.4	280	99	160	170	-	626	126	476	296	90	212	212	12	40
40	TFS-40	0.75	280	99	160	170	-	644	126	476	296	90	212	212	12	40
	TFS-50	0.75	318	94	175	186	-	677	131	575	375	100	266	266	12	49
50	TFS-50	1.5	318	94	175	186	-	727	131	575	375	100	266	266	12	48
	TFS-65	1.5	318	112	175	195	-	745	149	575	375	100	266	266	12	51
80	TFS-80	2.2	384	124	210	180	140	877	159	670	410	130	314	314	15	82
	TFS-80	3.7	384	124	210	180	140	892	159	670	410	130	314	314	15	84
100	TFS-100	3.7	416	136	225	192	153	936	173	700	440	130	344	344	15	103
	TFS-100	5.5	416	136	240	192	153	1006	168	780	460	160	352	352	15	109
125	TFS-125A	5.5	520	152	280	201	170	1126	194	877	577	150	390	390	15	142
	TFS-125A	7.5	520	152	280	201	170	1164	194	877	577	150	390	390	15	143
150	TFS-150A	5.5	522	152	280	216	189	1128	198	877	577	150	390	390	15	162
	TFS-150A	7.5	522	152	280	216	189	1166	198	877	577	150	390	390	15	162
200	TFS-200	11	522	152	280	216	189	1252	197	1010	700	155	402	402	19	167
	TFS-200	15	598	180	360	250	210	1356	70	1248	742	253	570	410	19	277
200	TFS-200A	15	598	180	360	250	210	1400	70	1248	742	253	570	410	19	269
	TFS-200A	18.5	598	180	360	250	210	1426	70	1282	782	250	570	444	19	271

※ Size L will be change with motors.
The weight include the weight of the base, but not motor.

TFSH

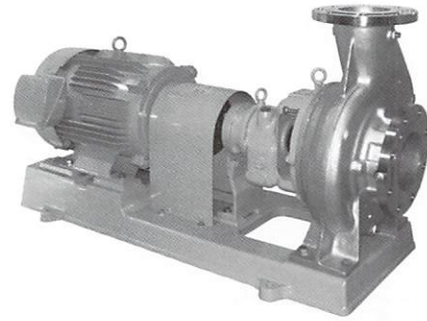
Bore mm	Model	Motor kW	Output dimension mm													Weight kg
			A	B	CH	E	F	L	O	BL	BM	BW	BN1	BN2	d	
25	TFSH-25	0.2	296	73	150	135	100	600	113	448	288	80	208	208	12	36
40	TFSH-40	0.75	320	84	175	150	122	669	123	575	375	100	266	266	12	54
50	TFSH-50	1.5	382	90	210	165	140	787	123	670	410	130	314	314	15	75
65	TFSH-65	2.2	411	92	225	180	146	872	125	700	440	130	344	344	15	91
80	TFSH-80	3.7	416	93	225	180	156	893	131	700	440	130	344	344	15	97
	TFSH-80A	5.5	416	107	240	214	186	977	140	780	460	160	352	352	15	111
100	TFSH-100	7.5	510	100	280	220	198	1102	134	877	577	150	390	390	15	151
	TFSH-100	11	510	100	280	220	198	1188	133	1010	700	155	402	402	19	157
125	TFSH-125	11	587	110	360	230	205	1275	-11	1248	742	253	570	410	19	223
	TFSH-125	15	587	110	360	230	205	1319	-11	1248	742	253	570	410	19	223
150	TFSH-150	15	587	110	360	240	220	1319	-11	1248	742	253	570	410	19	225
	TFSH-150	18.5	587	110	360	240	220	1345	-11	1282	782	250	570	444	19	229
	TFSH-150	22	587	110	360	240	220	1345	-11	1282	782	250	570	444	19	229
150	TFSH-150	30	604	110	360	240	220	1401	-11	1343	835	254	570	444	19	235

※ Size L will be change with motors.
The weight include the weight of the base, but not motor.

TUFS • TJS Gland packing

Features

- The lineup of various models suitable for wide variety of applications are available.



Uses

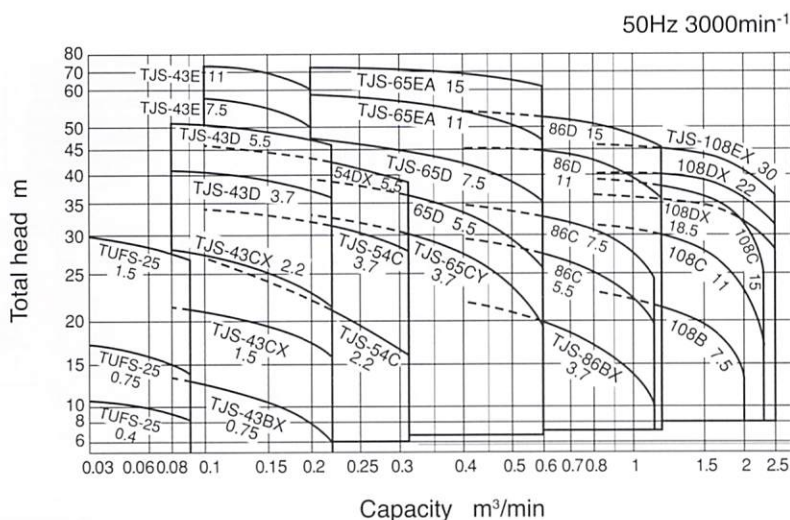
- Chemical industry
- Petroleum industry
- Electronic industry
- General industry

Specifications

Please contact us for specifications for your use.

Model TUFS · TJS

Performance Curve



Specifications

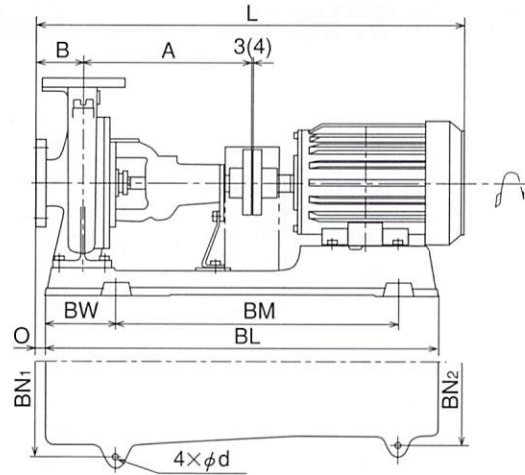
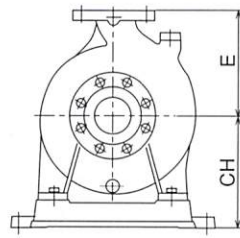
50Hz 3000min⁻¹

Suc. Bore mm	Del. Bore mm	Model	Motor kW	Capacity m³/min	Total head m	Capacity m³/min	Total head m	Capacity m³/min	Total head m
25	25	TUFS-25	0.4	0.03	10.8	0.06	9.8	0.09	8.4
		TUFS-25	0.75	0.03	17.2	0.06	15.9	0.09	14
		TUFS-25	1.5	0.03	30	0.06	28.6	0.09	27
40	32	TJS-43BX	0.75	0.08	13.5	0.15	10.5	0.22	6
		TJS-43CX	1.5	0.08	21.5	0.15	19.5	0.22	16
		TJS-43CX	2.2	0.08	28	0.15	25	0.22	21.5
		TJS-43D	3.7	0.08	41	0.15	39	0.22	36
		TJS-43D	5.5	0.08	51	0.15	49	0.22	46
		TJS-43E	7.5	0.1	58	0.15	55	0.20	50
		TJS-43E	11	0.1	74	0.15	69	0.20	60
50	40	TJS-54C	2.2	0.1	27	0.2	22	0.31	16
		TJS-54C	3.7	0.1	34	0.2	32	0.31	28
		TJS-54DX	5.5	0.1	45.8	0.2	43.2	0.31	38.5
65	50	TJS-65CY	3.7	0.2	33	0.4	27.5	0.6	19
		TJS-65D	5.5	0.2	39	0.4	33.5	0.6	25.5
		TJS-65D	7.5	0.2	47.5	0.4	42	0.6	35
		TJS-65EA	11	0.2	59	0.4	54	0.6	47
		TJS-65EA	15	0.2	73	0.4	68	0.6	61
80	65	TJS-86BX	3.7	0.4	22	0.8	17	1.15	10
		TJS-86C	5.5	0.4	29.5	0.8	25	1.15	19.5
		TJS-86C	7.5	0.4	34.5	0.8	30.5	1.15	24
		TJS-86D	11	0.4	45.5	0.8	42.5	1.2	35.5
		TJS-86D	15	0.4	54	0.8	50.5	1.2	45
100	80	TJS-108B	7.5	0.8	23	1.6	18.5	2	13
		TJS-108C	11	0.8	31.5	1.6	27	2.3	17
		TJS-108C	15	0.8	39	1.6	35	2.3	25
		TJS-108DX	18.5	0.8	36	1.6	34	2.5	28
		TJS-108DX	22	0.8	40	1.6	38	2.5	31
		TJS-108EX	30	0.8	46	1.6	43	2.5	36

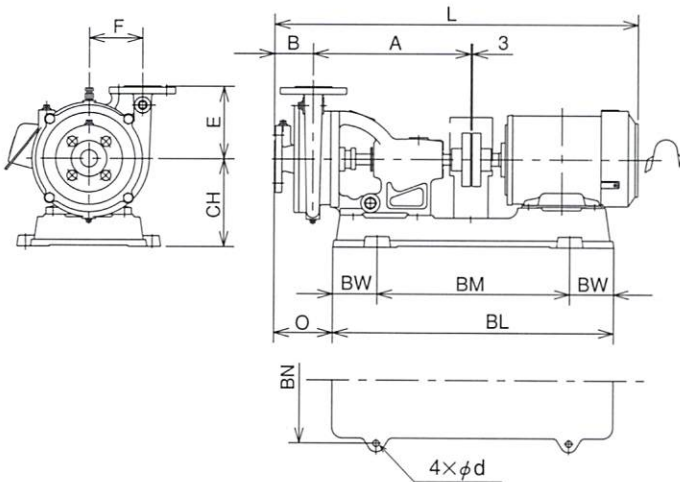
Model TUFS · TJS

Size

Model TJS



TUFS-25



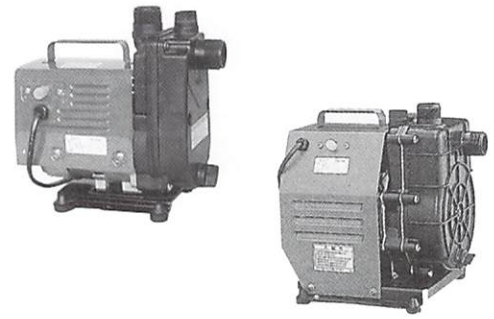
Suc. Bore mm	Del. Bore mm	Model	Motor kW	Output dimension mm											Weight kg	
				A	B	CH	E	F	L	O	BL	BM	BW	BN		d
25	25	TUFS-25	0.4	296	73	160	135	100	616	116	476	296	90	212	12	36
		TUFS-25	0.75	296	73	160	135	100	634	116	476	296	90	212	12	37
		TUFS-25	1.5	296	73	165	135	100	684	111	528	362	83	238	12	39

※ Size L will be change with motors.
The weight include the weight of the base, but not motor.

Suc. Bore mm	Del. Bore mm	Model	Motor kW	Output dimension mm											Weight kg	
				A	B	CH	E	L	O	BL	BM	BW	BN1	BN2		d
40	32	TJS-43BX	0.75	360	80	187	160	705	14	700	480	115	290	290	15	50
		TJS-43CX	1.5	360	80	215	180	755	18	700	480	115	320	260	15	56
		TJS-43CX	2.2	360	80	215	180	755	18	700	480	115	320	260	15	56
		TJS-43D	3.7	360	80	215	180	824	15	780	540	130	320	320	15	65
		TJS-43D	5.5	360	80	215	180	894	15	780	540	130	320	320	15	65
		TJS-43E	7.5	360	100	240	200	914	22	836	600	150	400	400	15	91
		TJS-43E	11	360	100	260	200	1038	19	970	660	170	440	440	19	108
50	40	TJS-54C	2.2	360	80	187	160	755	14	700	480	115	290	290	15	53
		TJS-54C	3.7	360	80	215	160	824	15	780	540	130	320	320	15	63
		TJS-54DX	5.5	360	100	215	180	914	35	780	540	130	320	320	15	66
65	50	TJS-65CY	3.7	360	100	215	200	844	35	780	540	130	320	320	15	66
		TJS-65D	5.5	360	100	215	180	914	35	780	540	130	320	320	15	74
		TJS-65D	7.5	360	100	215	180	914	35	780	540	130	320	320	15	75
		TJS-65EA	11	360	100	260	225	1038	19	970	660	170	440	440	19	115
		TJS-65EA	15	360	100	260	225	1038	19	970	660	170	440	440	19	115
80	65	TJS-86BX	3.7	360	100	215	180	844	35	780	540	130	320	320	15	68
		TJS-86C	5.5	360	100	215	180	914	35	780	540	130	320	320	15	70
		TJS-86C	7.5	360	100	215	180	914	35	780	540	130	320	320	15	70
		TJS-86D	11	360	100	220	200	1038	33	955	660	170	350	440	19	96
		TJS-86D	15	360	100	220	200	1038	33	955	660	170	350	440	19	96
100	80	TJS-108B	7.5	360	100	240	180	914	22	836	600	150	400	350	15	82
		TJS-108C	11	360	100	240	200	1038	19	970	660	170	440	440	19	104
		TJS-108C	15	360	100	240	200	1038	19	970	660	170	440	440	19	104
		TJS-108DX	18.5	470	125	295	250	1217	22	1225	840	205	490	490	19	154
		TJS-108DX	22	470	125	315	250	1243	22	1225	840	205	490	490	19	157
TJS-108EX	30	470	125	335	315	1282	24	1225	840	205	490	490	19	213		

※ Size L will be change with motors.
The weight include the weight of the base, but not motor.

HP Handy pump



Features

- Compact and lightweight model with high performance and low noise.
- Overload protector with manual reset is equipped.
- Special plastic material is adopted for the parts contacting liquid.

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water
	Fluid Temperature	0-50°C (Without freezing) HP-50, HP-100
		0-40°C (Without freezing) HP-200
Structure	Impeller	semi-open
	Shaft Seal	Mechanical Seal
	Bearing	Ball bearing
Material	Casing	Plastic
	Impeller	Plastic
	Shaft	SUS403
Motor	Type	Original motor
	Power	1 Phase-100V
	Pole	2 Pole

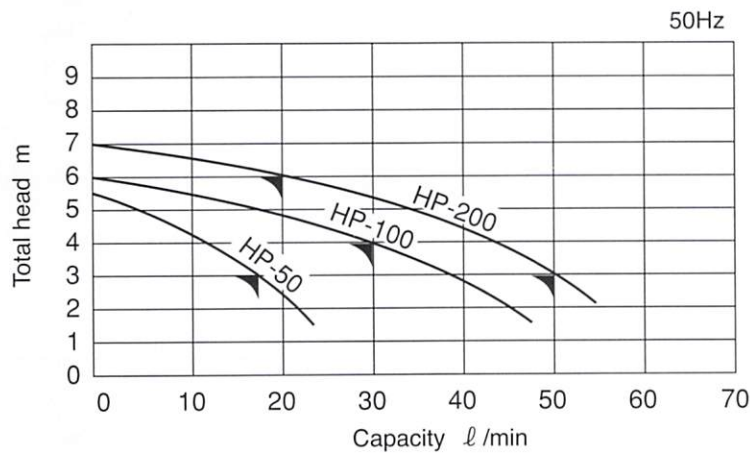
Uses

- Home use
- Agriculture
- Fishery
- Building facility

Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Performance Curve



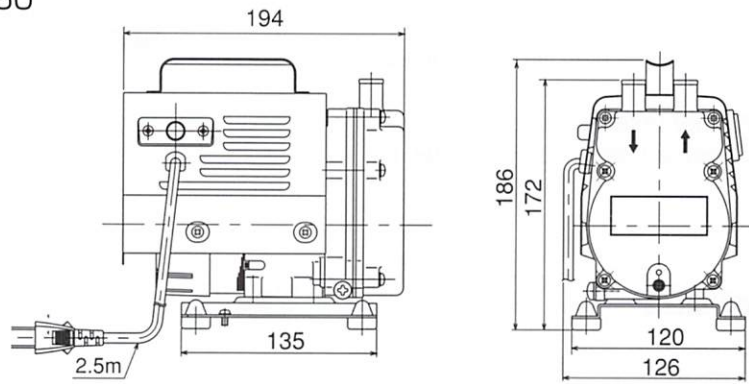
Specifications

Bore mm	Model	Capacity		Total head		Output W	Weight kg
		l/min	l/min	m	m		
15	HP-50	18	—	3	—	60	3.5
25	HP-100	30	—	4	—	80	3.9
	HP-200	20	50	6	3	135	7.0

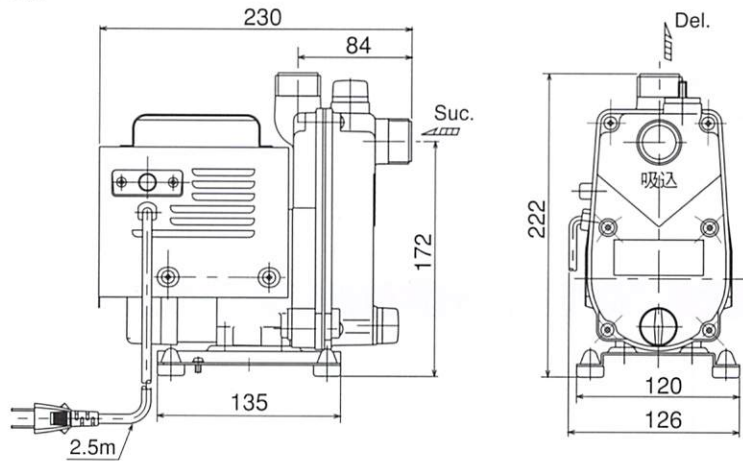
Model HP

Size

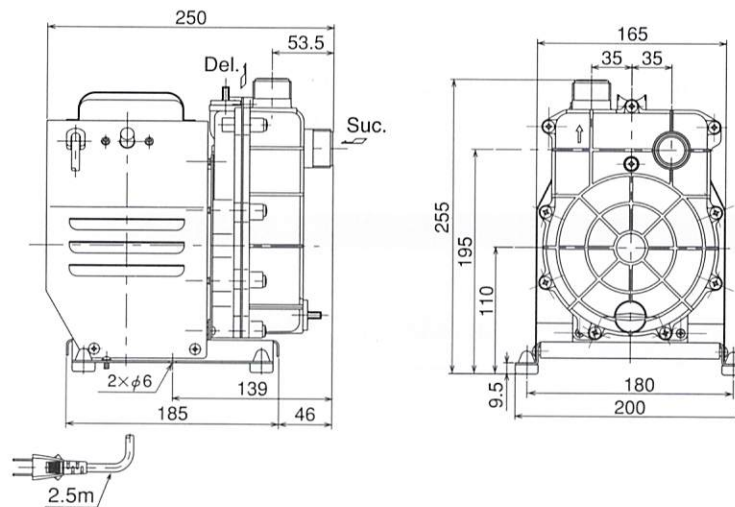
HP-50














































































HP-100



HP-200



SUBMERSIBLE PUMPS

Use \ Model	PX	PG	CX CX-L CXA	S S-500LN	SX SXA	CS CS-L	SG SA	CSA CSAL-L	S-D CSD	SL	SP-150B
 Industrial uses											
 Building facilities											
 Civil engineering & construction											
 Agriculture											
 Fishery											
 Water supply											
 Plant											
 Pit drainage											
 Kitchen drainage											
 Ship											
 Gardening											
 Plant											
 Fish breeding											
 Purification tanks											
 Emergency drainage											
 Chemical											
 Home use											

PX Hybrid material dirt pump



Features

- “Vortex” construction.
- Discharge port can swing to vertical and horizontal directions.
- Maintenance and cleaning can be made without disassemble lines.

Uses

- Purification tanks
- Drainage

Special Specifications

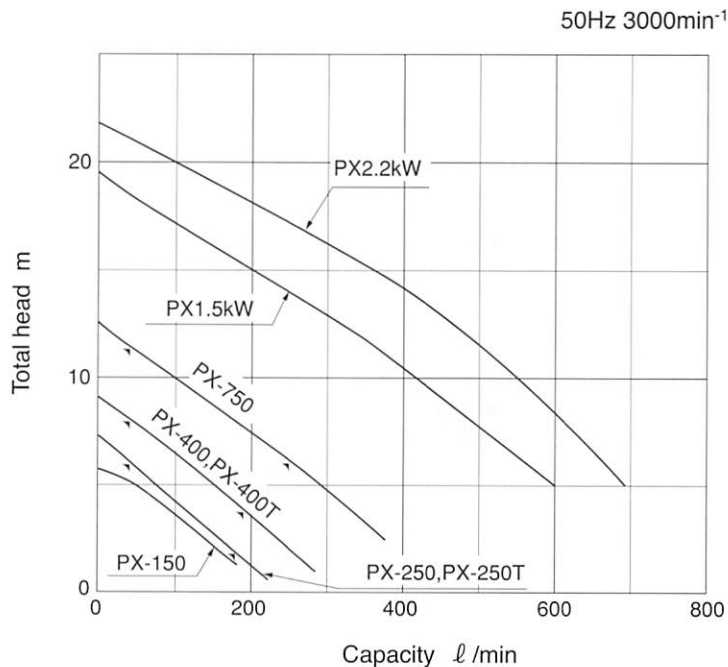
Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Standard Specifications

		(250W~750W)	(1.5kW~2.2kW)
Pumping Fluid	Type of Fluid	Natural water, Filty water	Natural water, Filty water
	Foreign matter size	Max. 35mm	Max. 30mm
	Foreign matter length	Max. 150mm	
	Fluid Temperature	0-40°C (Without freezing)	0-40°C (Without freezing)
Structure	Impeller	Vortex	semi-vortex
	Shaft Seal	Double Mechanical Seal (SiC×SiC)	Double Mechanical Seal (SiC×SiC)
	Bearing	Ball bearing	Ball bearing
Material	Casing	Plastic	Plastic
	Impeller	Plastic	Plastic
	Shaft	SUS304	SUS304
Motor	Type	Original motor	Original motor
	Power	Ref. specifications	Ref. specifications
	Pole	2 Pole	2 Pole

		(PX-150)
Pumping Fluid	Type of Fluid	Natural water, Filty water
	Foreign matter size	Max. 28mm
	Foreign matter length	Max. 120mm
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	Vortex
	Shaft Seal	Mechanical Seal
	Bearing	Ball bearing
Material	Casing	Plastic
	Impeller	Plastic
	Shaft	SUS304
Motor	Type	Original motor
	Power	Ref. specifications
	Pole	2 Pole

Performance Curve

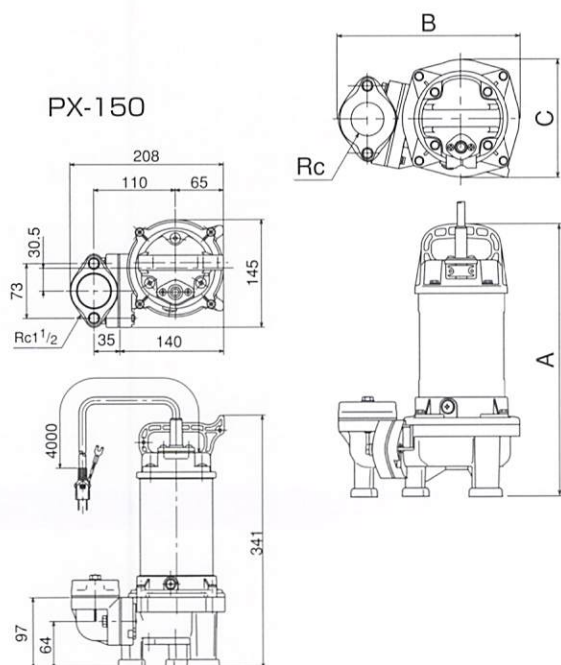


Specifications

50Hz 3000min⁻¹

Bore mm	Model	Capacity ℓ/min	Total head m	Capacity ℓ/min	Total head m	Output kW	Power	
							Voltage	Phase
40	PX-150	40	4.8	100	3.5	0.15	100V	1
	PX-250	40	6.0	170	2.0	0.25	100V	1
	PX-250T	40	6.0	170	2.0	0.25	200V	3
50	PX-400	40	8.0	180	4.0	0.4	100V	1
	PX-400T	40	8.0	180	4.0	0.4	200V	3
	PX-750	40	11.5	250	6.0	0.75	200V	3
	PX4-1500	—	—	400	9.9	1.5	200V	3
65	PX5-1500	—	—	400	9.9	1.5	200V	3
	PX5-2200	—	—	400	13.4	2.2	200V	3
80	PX6-1500	—	—	400	9.9	1.5	200V	3
	PX6-2200	—	—	400	13.4	2.2	200V	3

Model PX Size



Mode PX

50Hz

Bore mm	Model	Output dimension mm				Weight kg
		A	B	V	Rc	
40	PX-250	370	248	160	1 1/2	6.8
	PX-250T	370	248	160	1 1/2	6.2
50	PX-400	380	248	160	2	7.3
	PX-400T	380	248	160	2	7.0
	PX-750	395	248	160	2	8.4
65	PX4-1500	485	295	203	2	16.0
	PX5-1500	485	295	203	2 1/2	16.0
80	PX5-2200	510	295	203	2 1/2	19.0
	PX6-1500	485	295	203	3	16.0
	PX6-2200	510	295	203	3	19.0

PG Hybrid material sewage pump



Features

- “Semi-Vortex” construction.
- Discharge port can swing to vertical and horizontal directions.
- Maintenance and cleaning can be made without disassembling lines.

Uses

- Purification tanks
- Drainage

Special Specifications

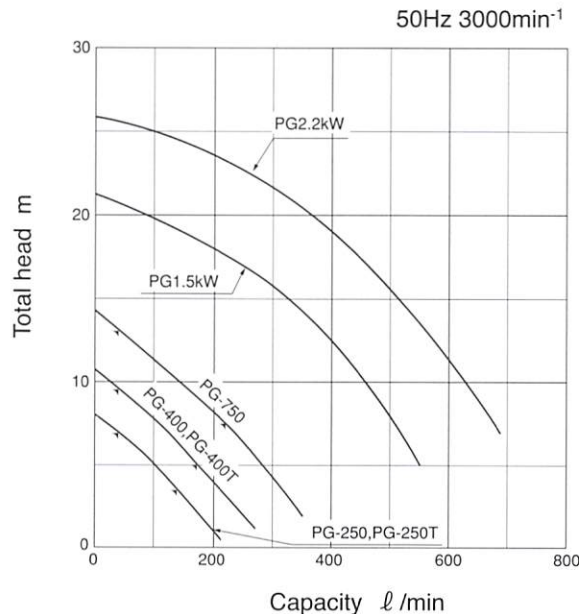
Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Standard Specifications

(250W~750W) | (1.5kW~2.2kW)

	(250W~750W)	(1.5kW~2.2kW)
Pumping Fluid	Type of Fluid	Natural water, Filty water
	Foreign matter size	Max. 8mm
	Foreign matter length	Max. 50mm
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	semi-vortex
	Shaft Seal	Double Mechanical Seal (SiC×SiC)
	Bearing	Ball bearing
Material	Casing	Plastic
	Impeller	Plastic
	Shaft	SUS304
Motor	Type	Original motor
	Power	Ref. specifications
	Pole	2 Pole

Performance Curve



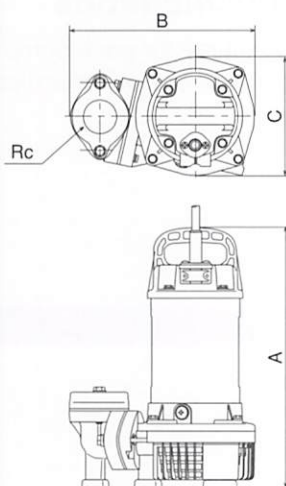
Specifications

50Hz 3000min

Bore mm	Model	Capacity ℓ/min	Total head m	Capacity ℓ/min	Total head m	Output kW	Power	
							Voltage	Phase
40	PG-250	40	7.0	140	3.5	0.25	100V	1
	PG-250T	40	7.0	140	3.5	0.25	200V	3
50	PG-400	40	9.5	170	5.0	0.4	100V	1
	PG-400T	40	9.5	170	5.0	0.4	200V	3
	PG-750	40	13.0	220	7.5	0.75	200V	3
	PG4-1500	—	—	200	18.2	1.5	200V	3
65	PG5-1500	—	—	200	18.2	1.5	200V	3
	PG5-2200	—	—	300	20.6	2.2	200V	3
80	PG6-2200	—	—	300	20.6	2.2	200V	3

Model PG

Size



Model PG

50Hz

Bore mm	Model	Output dimension mm				Weight kg
		A	B	C	Rc	
40	PG-250	350	248	160	1 1/2	6.8
	PG-250T	350	248	160	1 1/2	6.2
50	PG-400	360	248	160	2	7.3
	PG-400T	360	248	160	2	7.0
	PG-750	375	248	160	2	8.4
	PG4-1500	485	295	203	2	16.0
65	PG5-1500	485	295	203	2 1/2	16.0
	PG5-2200	510	295	203	2 1/2	19.0
80	PG6-2200	510	295	203	3	19.0

CX·CX-L·CXA Hybrid material dirt pump

Features

- Resin and stainless steel (SUS316) are adopted in all parts contact liquid.
- Trouble with rust is eliminated for a long service life.
- The Vortex type impeller and the original motor are specially developed for high efficiency and energy-saving.



Standard Specifications

Pumping Fluid	Type of Fluid	Natural water, Filty water
	Foreign matter size	Max. 25mm
	Foreign matter length	Max. 100mm
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	Vortex
	Shaft Seal	Double Mechanical Seal (SiC×SiC)
	Bearing	Ball bearing
Material	Casing	Plastic
	Impeller	Plastic
	Shaft	SUS316
Motor	Type	Original motor
	Power	Ref. specifications
	Pole	2 Pole

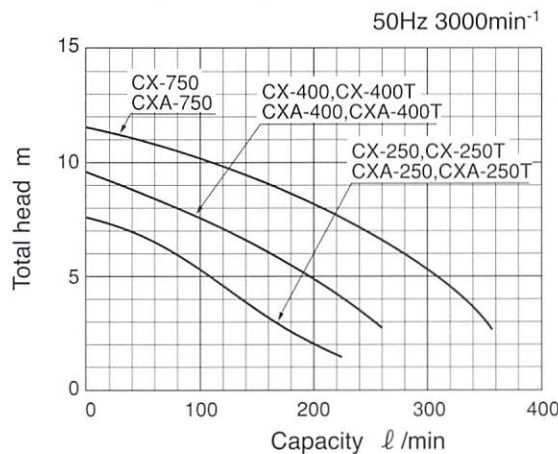
Uses

- Building facility
- Civil engineering & construction
- Industrial uses
- Sewage disposal

Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Performance Curve



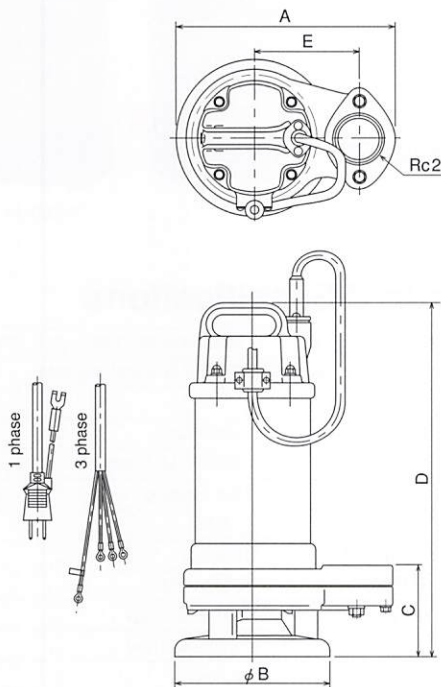
Specifications

Bore mm	Model	Capacity ℓ/min	Total head m	Capacity ℓ/min	Total head m	Output W	Power	
							Voltage	Phase
50	CX-250	55	6.3	120	4.0	250	100V	1
	CXA-250							
	CX-250T	55	6.3	120	4.0	250	200V	3
	CXA-250T							
	CX-400	80	8.0	150	6.0	400	100V	1
	CXA-400							
	CX-400T	80	8.0	150	6.0	400	200V	3
	CXA-400T							
CX-750	120	9.5	240	7.0	750	200V	3	
CXA-750								

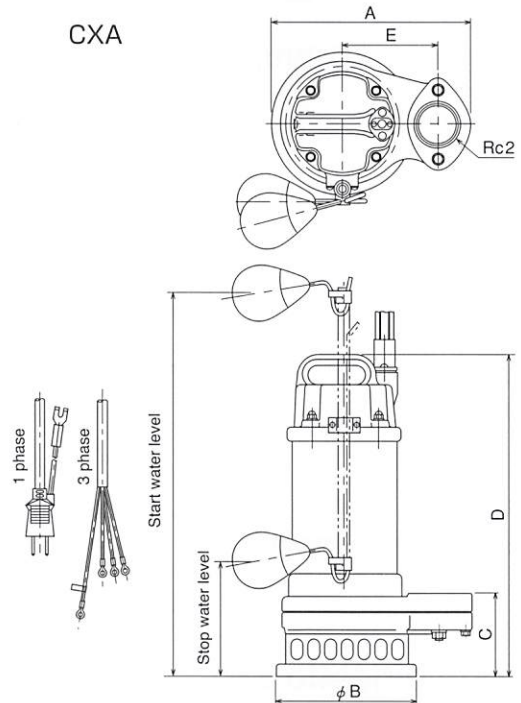
Model CX · CX-L · CXA

Size

CX



CXA



50Hz

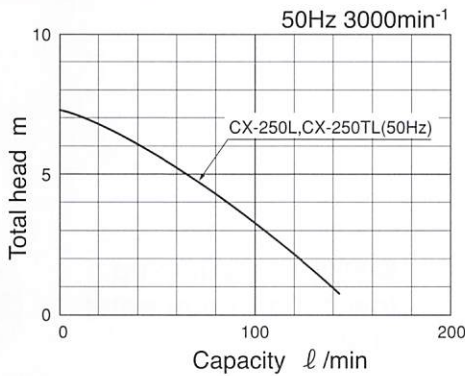
Bore mm	Model	Output dimension mm					Weight kg
		A	B	C	D	E	
50	CX-250	253	180	108	399	120	8.2
	CX-250T	253	180	108	399	120	7.5
	CX-400	253	180	108	416	120	9.7
	CX-400T	253	180	108	416	120	8.5
	CX-750	253	180	108	416	120	9.5

50Hz

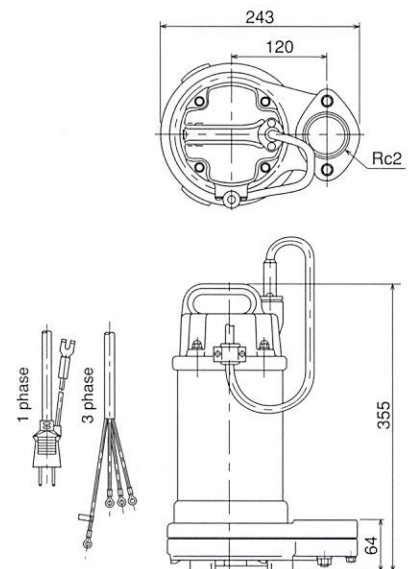
Bore mm	Model	Output dimension mm							Weight kg
		A	B	C	D	E	WL1	WL2	
50	CXA-250	253	180	108	399	120	200	575	8.6
	CXA-250T	253	180	108	399	120	200	575	7.9
	CXA-400	253	180	108	416	120	200	575	10.1
	CXA-400T	253	180	108	416	120	200	575	8.9
	CXA-750	253	180	108	416	120	200	575	9.9

CX-L CX-L can pump up 5-6 mm water level.

Performance Curve



Size



Specifications

50Hz 3000min⁻¹

Bore mm	Model	Capacity l/min	Total head m	Output W	Voltage V	Phase	Weight kg
50	CX-250L	Max. 140	Max. 7	250	100	1	7.9
	CX-250TL	Max. 140	Max. 7	250	200	3	7.2

S • S-500LN

Small size sand pump

Features

- No other brand can compare with this S-series for its high abrasion-resistance in the 220W/500W class.
- The pump is specially designed to handle water containing sand.
- The rubber legs absorb shocks in order not to damage a floor surface.

Uses

- Civil engineering & construction
- Building facility

Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

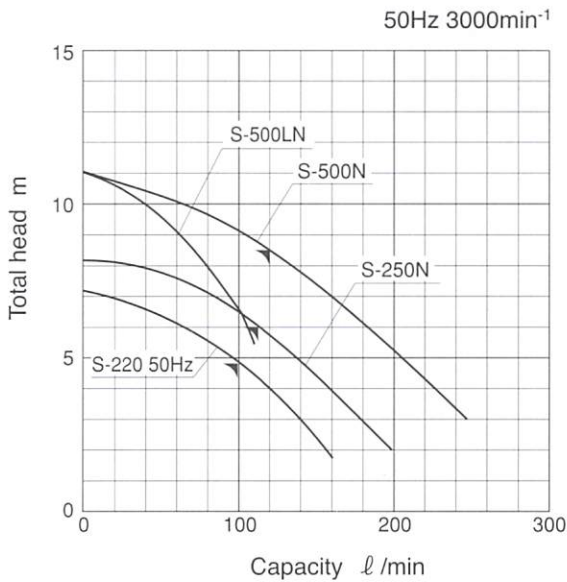


S-500LN

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water, Filty water, Sewage
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	semi-open
	Shaft Seal	Double Mechanical Seal (SiC×SiC)
	Bearing	Ball bearing
Material	Casing	Plastic
	Impeller	Plastic
	Shaft	SUS420J2
Motor	Type	Original motor
	Power	1 Phase 100V
	Pole	2 Pole

Performance Curve



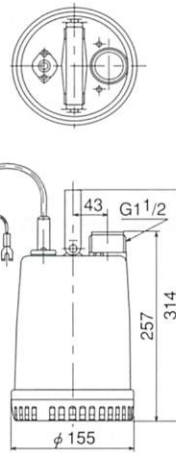
Specifications

Bore mm	Model	Capacity l/min	Total head m	Output W	Weight kg
25	S-500LN	Max. 110	Max. 11	500	10.0
40	S-220	100	5	220	6.0
	S-250N	110	6	250	9.4
50	S-500N	120	8.5	500	9.5

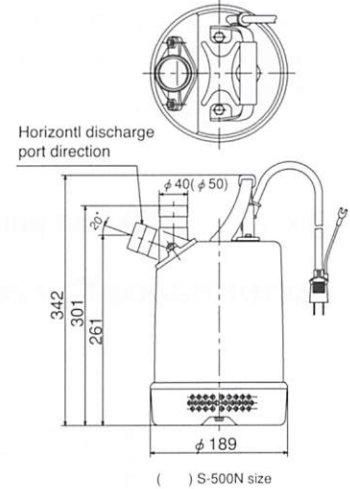
50Hz 3000min⁻¹

Size

S-220

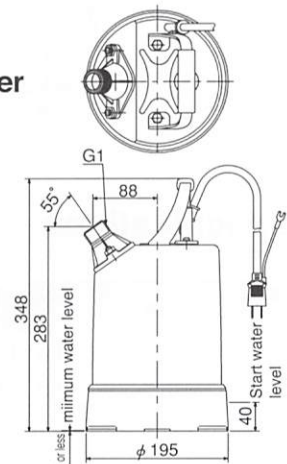


S-250N, S-500N



S-500L can pump up lower than 1 mm water level.

S-500LN



SX·SXA Dirt pump



Features

- “Vortex” construction.
- The Oil bath mechanical seal guarantees reliable sealing and long service.
- The Auto thermal motor protector is built-in.

Uses

- Civil engineering & construction
- Industrial uses
- Building facility
- Plant

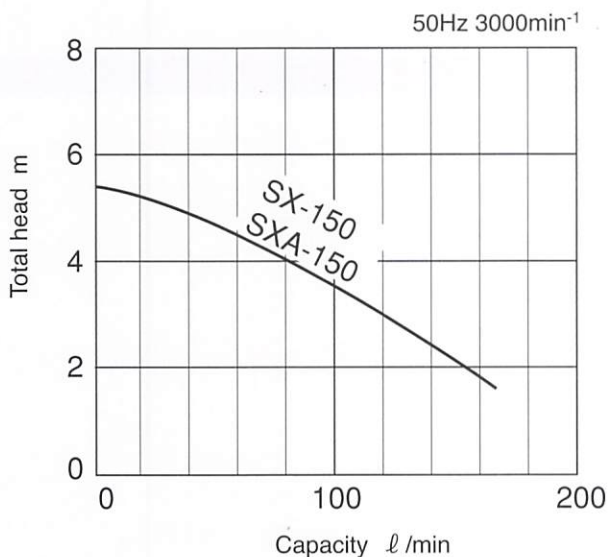
Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water, Filty water, Sewage
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	Vortex
	Shaft Seal	Mechanical Seal
	Bearing	Ball bearing
Material	Casing	Plastic
	Impeller	Plastic
	Shaft	SUS420J1
Motor	Type	Original motor
	Power	1 Phase 100V
	Pole	2 Pole

Performance Curve

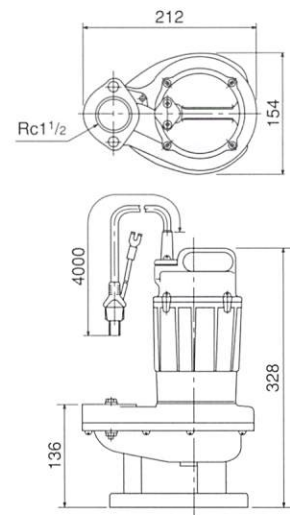


Specifications

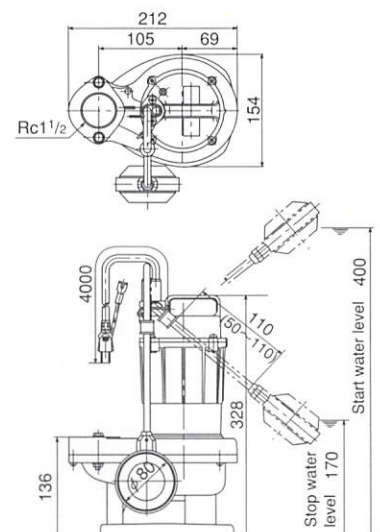
Bore mm	Model	50Hz 3000min ⁻¹			
		Capacity l/min	Total head m	Output W	Weight kg
40	SX-150	100	3.5	150	4.5
	SXA-150	100	3.5	150	4.8

Size

SX-150



SXA-150



CS · CS-L Stainless steel pump



CS-L

Features

- The semi-open type impeller minimized clogging.
- The high quality mechanical seal in the oil bath ensures reliable sealing to last long.
- The harmless oil to humans is adopted in the mechanical seal.

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	semi-open
	Shaft Seal	Double Mechanical Seal (SiC×SiC)
	Bearing	Ball bearing
Material	Casing	SCS13
	Impeller	SCS13
	Shaft	SUS316
Motor	Type	Original motor
	Power	Ref. specifications.
	Pole	2 Pole

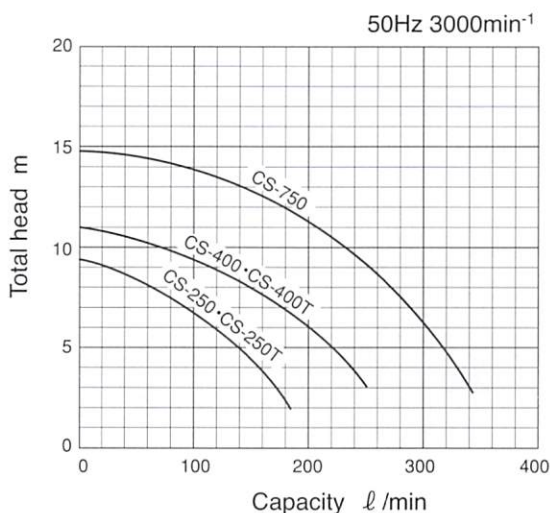
Uses

- Industrial uses
- Plant
- Antipollution plant
- Agriculture
- Fishery
- Ship

Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Performance Curve



Specifications

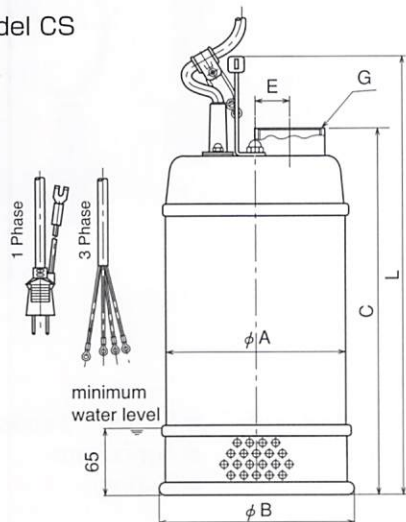
50Hz 3000min⁻¹

Bore mm	Model	Capacity ℓ/min	Total head m	Output W	Power	
					Voltage	Phase
40	CS-250	110	5.5	250	100V	1
	CS-250T				200V	3
50	CS-400	180	6.5	400	100V	1
	CS-400T				200V	3
	CS-750	180	11	750	200V	3

Model CS · CS-L

Size

Model CS



50Hz

Bore mm	Model	Output dimension mm						Weight kg
		A	B	C	E	L	G	
40	CS-250	170	183	331	37	405	G1 1/2	13.5
	CS-250T	170	183	331	37	405	G1 1/2	13.2
50	CS-400	170	183	351	33	422	G2	15.0
	CS-400T	170	183	351	33	422	G2	13.8
	CS-750	170	183	351	33	422	G2	15.3

Model CS-L

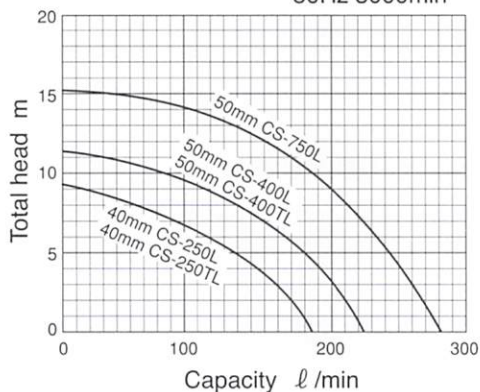
CX-L can pump up 1-2 mm water level.

Features

- Industrial uses
- Building facilities
- Civil engineering & construction
- Sewage disposal

Performance Curve

50Hz 3000min⁻¹

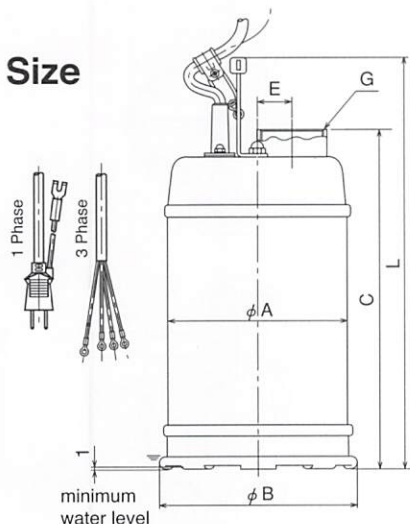


Specifications

50Hz 3000min⁻¹

Bore mm	Model	Capacity l/min	Total head m	Output W	Power	
					Voltage	Phase
40	CS-250L	Max. 180	Max. 9	250	100V	1
	200V				3	
50	CS-400L	Max. 220	Max. 11	400	100V	1
	CS-400TL				200V	3
	CS-750L	Max. 280	Max. 15	750	200V	3

Size



50Hz

Bore mm	Model	Output dimension mm						Weight kg
		A	B	C	E	L	G	
40	CS-250L	170	183	307	37	381	G1 1/2	13.5
	CS-250TL	170	183	307	37	381	G1 1/2	13.2
50	CS-400L	170	183	327	33	398	G2	15.0
	CS-400TL	170	183	327	33	398	G2	13.8
	CS-750L	170	183	327	33	398	G2	15.3

SG·SA Sewage pump



Features

- The open type impeller can handle water containing soil and sand through the strainer.
- The Oil bath mechanical seal guarantees reliable sealing and long service.
- The Auto thermal motor protector is built-in.

Standard Specifications

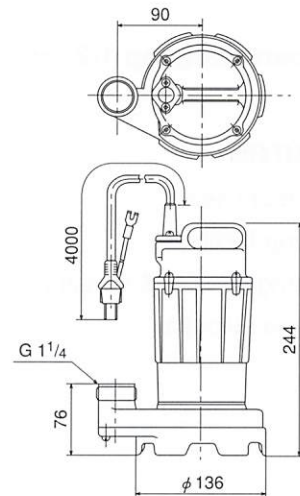
Pumping Fluid	Type of Fluid	Natural water, Filty water
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	semi-open
	Shaft Seal	Mechanical Seal
	Bearing	Ball bearing
Material	Casing	Plastic
	Impeller	Plastic
	Shaft	SUS420J1
Motor	Type	Original motor
	Power	1 Phase 100V
	Pole	2 Pole

Uses

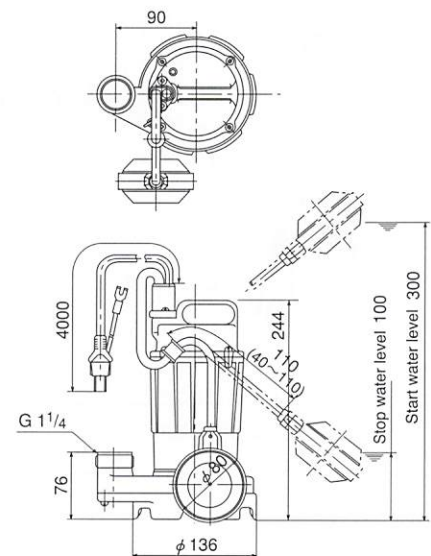
- Civil engineering & construction
- Industrial uses
- Building facility
- Sewage disposal
- Agriculture
- Fishery

Size

SG-150C



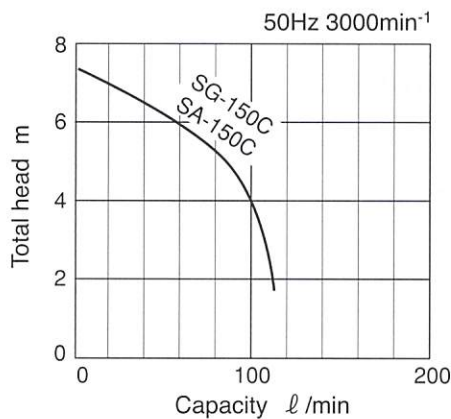
SA-150C



Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

Performance Curve



Specifications

Bore mm	Model	Capacity ℓ /min	Total head m	50Hz 3000min ⁻¹	
				Output W	Weight kg
32	SG-150C	80	5	150	4.3
	SA-150C	80	5	150	4.6

CSA • CSL-L



Hybrid material pump
Hybrid material bilge pump

Features

- Perfect rustproof parts contacting liquid.
- Simple construction for easy maintenance.
- Compact and lightweight type for carrying.

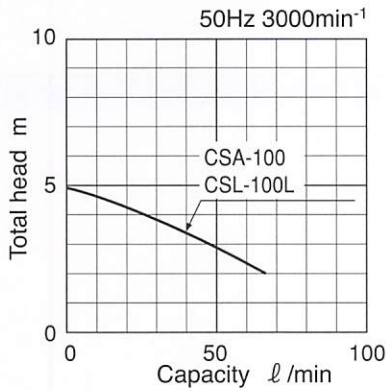
Uses

- Agriculture
- Fishery
- Home use



CSL-100L

Performance Curve



Special Specifications

Please specify voltage for each pump on your order.
Please contact us for custom specifications.

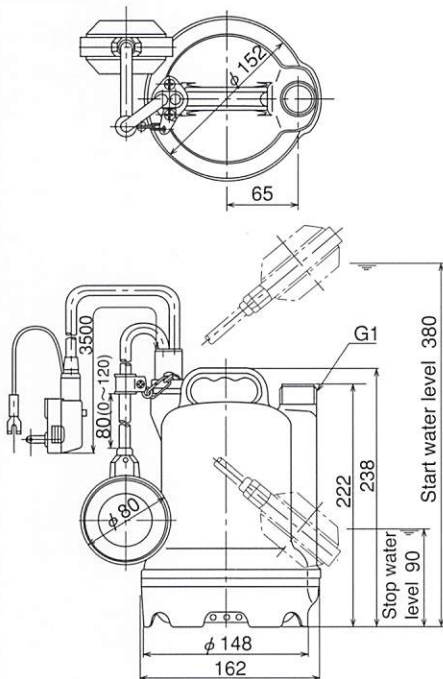
Specifications

50Hz 3000min⁻¹

Bore mm	Model	Capacity l/min	Total head m	Output W	Power		Weight kg
					Voltage	Phase	
25	CSA-100	35	100	3.8	100V	1	4.0
	CSL-100L	35	100	3.8	100V	1	4.0

Size

CSA-100

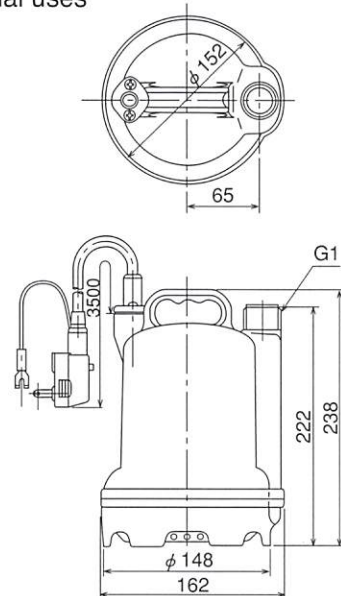


CSL-100L

CSL-100L can pump up 2 mm water level.

Uses

- Building facility
- Industrial uses



S-D·CSD

Battery Driven
Submersible Pump



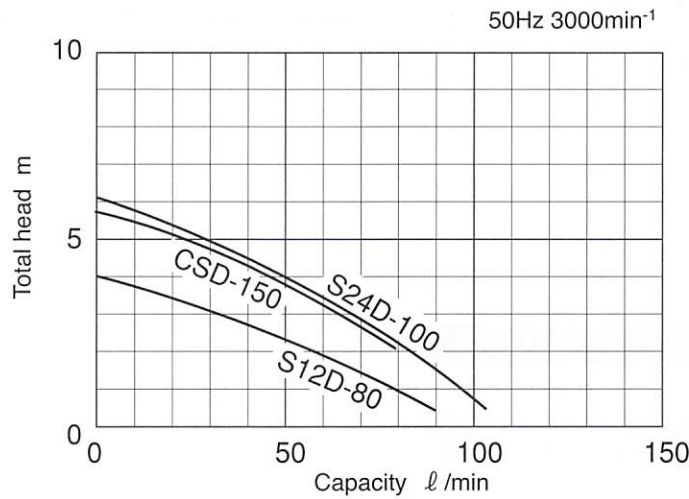
Features

- The main body is extra-compact and light-weight.
- A battery is used as the power source.
- The Oil bath mechanical seal guarantees reliable sealing and long service.
- Resin and stainless steel are adopted in all parts contacting liquid (CSD).

Uses

- Ship
- Agriculture

Performance Curve



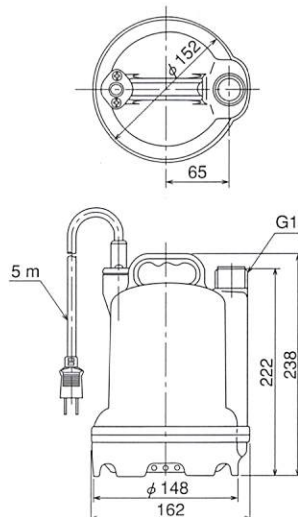
Specifications

50Hz 3000min⁻¹

Bore mm	Model	Capacity l/min	Totalhead m	Output W	Voltage V	Weight kg
25	S12D-80	Max. 90	Max. 4	80	DC12	3.8
	S24D-100	Max. 105	Max. 6	100	DC24	3.8
	CSD-150	35	4.5	150		3.3

Size

- S12D-80
- S24D-100
- CSD-150



SL Plastics pump



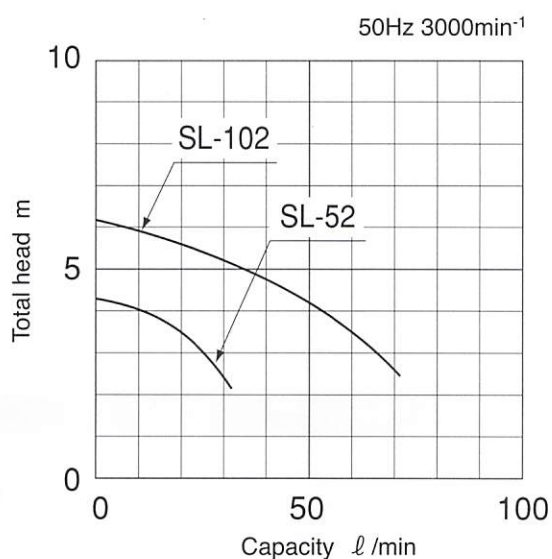
Features

- The Semi-Vortex construction can pump up foreign matter up to $\varnothing 5\text{mm}$ passing through the strainer.
- The pump body can lie.
- The strainer is easily detachable for quick maintenance.

Uses

- Home use
- Gardening

Performance Curve



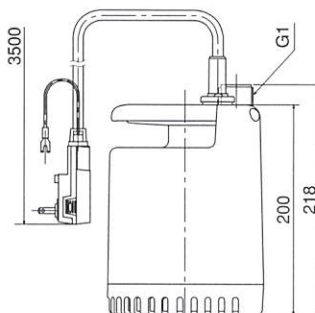
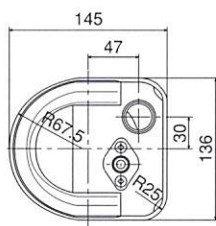
Specifications

50Hz 3000min⁻¹

Bore mm	Model	Capacity l/min	Total head m	Capacity l/min	Total head m	Output W	Voltage V	Phase	Weight kg
15	SL-52	10	3.6	30	2.0	50	100	1	3.0
25	SL-102	40	4.2	70	2.2	100	100	1	3.4

Size

SL-52
SL-102



SP-150B Plastics pump



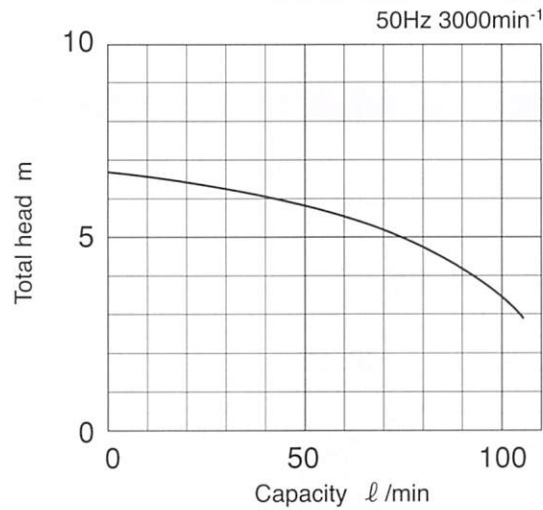
Features

- Compact design allows easy handling.
- Special plastic is adopted for main body.
- Auto thermal motor protector is built-in.

Uses

- Home use
- Fish breeding
- Gardening

Performance Curve

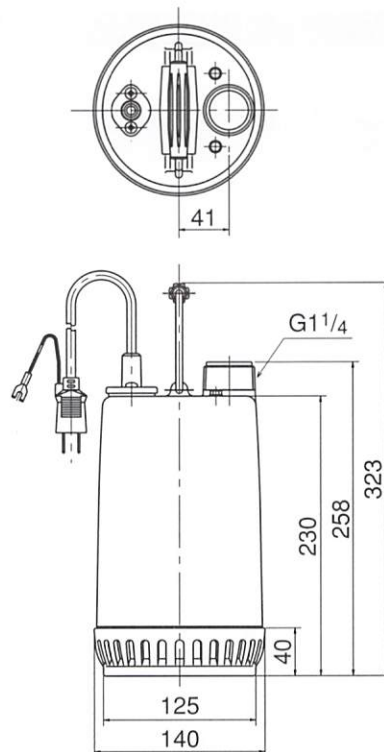


Specifications






















Bore mm	Model	Capacity l/min	Totalhead m	Output W	Voltage V	Phase	Weight kg
32	SP-150B	75	5.0	150	100	1	4.5

50Hz 3000min⁻¹

Size



ENGINE PUMPS

Use \ Model	ETS	E-7N4	EP
 Industrial uses			
 Civil engineering & construction			
 Agriculture			
 Fishery			
 Fish breeding			
 Pit drainage			
 Sprinkler high pressure washing			
 Emergency drainage			

ETS Gasoline engine

Features

- As open type 2-blade impeller made of ductile cast iron is employed.
Solids coming through the strainer easily pass through the unit.
Durability against rough treatment and corrosion is excellent.
- A totally enclosed mechanical seal of special design is used for the shaft seal unit.
- A buffer is provided that absorbs vibrations to ensure smooth and stable operation.

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water, Filty water
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	semi-open
	Shaft Seal	Mechanical Seal
Material	Casing	ADC12
	Impeller	FCD500
Connection	Hose coupling	



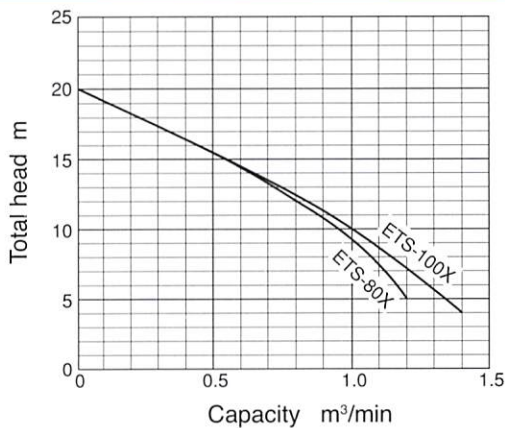
Uses

- Civil engineering & construction
- Agriculture
- Industrial uses

Special Specifications

Please contact us for custom specifications.

Performance Curve

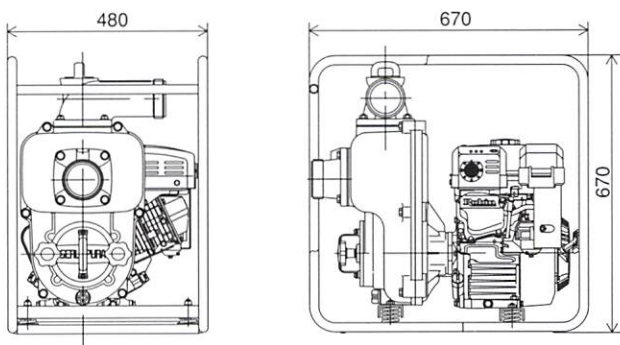


Specifications

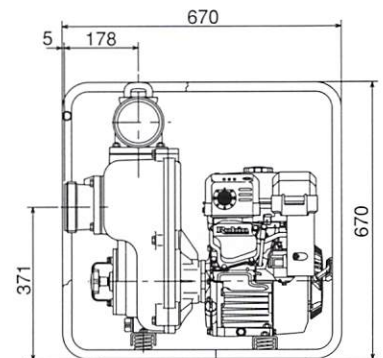
Model	ETS-80X	ETS-100X
Bore (mm)	80	100
Capacity (m³/min)	Max. 1.2	Max. 1.4
Total Head (m)	Max. 20	Max. 20
Foreign matter size	Max. ø35 mm	
Engine type	Air-cooled, 4-cycle, gasoline engine	
Continuous output (kW/rpm)	5.1/3600	
Fuel	Automobile (unleaded) gasoline	
Starter	Recoil Starter	
Dry weight (kg)	62	63

Size

ETS-80X



ETS-100X



E-7N4

Gasoline engine



Features

- Excellent self-priming ensured due to a special self-priming circuit.
- Compact direct drive model with the engine and pump on the same shaft.
- An open type impeller of special design generates high pressures and has an extra large capacity.

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water, Filty water
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	semi-open
	Shaft Seal	Mechanical Seal
Material	Casing	FC200
	Impeller	FC200
	Shaft	SUS420J1 + S45C
Connection	Hose coupling	

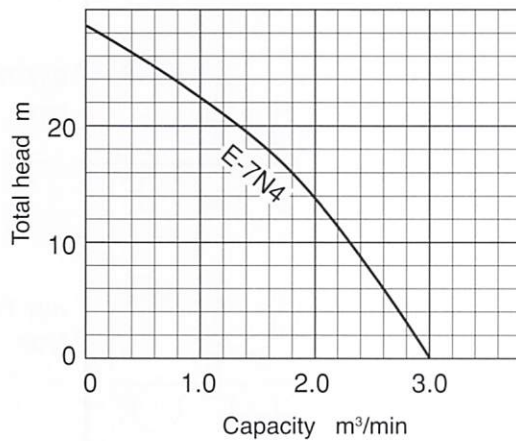
Uses

- Building, construction work
- Irrigation
- Emergency draining
- General water supply and drainage

Special Specifications

Please contact us for custom specifications.

Performance Curve

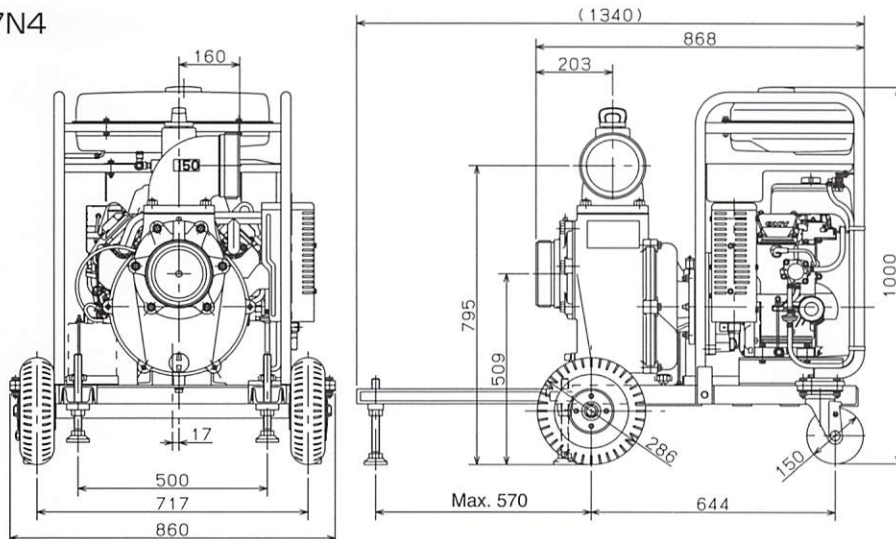


Specifications

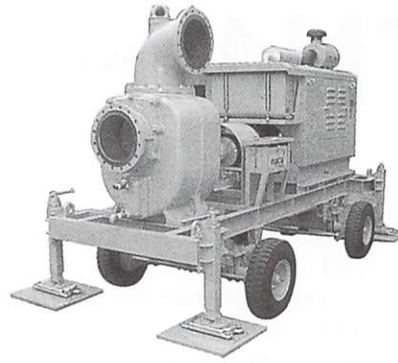
Model	E-7N4
Bore (mm)	150
Capacity (m³/min)	Max. 3.3
Total Head (m)	Max. 28
Engine type	Air-cooled, 4-cycle, gasoline engine
Displacement	653 ml
Continuous output (kW/rpm)	10.8/3600
Fuel	Automobile (unleaded) gasoline
Fuel Tank capacity	21.5 l
Starter	Electric starter
Dry weight (kg)	200

Size

E-7N4



EP Diesel engine



Features

- Large discharge capacities.
- Overwhelming high performance of self-priming.
- Capable of pumping muddy water.

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water, Filty water
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	semi-open (EP-7, EP-8, EP-9) closed (EP-10, EP-11)
	Shaft Seal	Gland Packing
	Bearing	Ball bearing
Material	Casing	FC200
	Impeller	FC200
	Shaft	SUS420J2
Flange	JIS10K, thin	

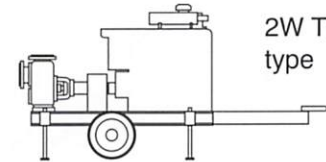
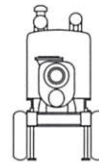
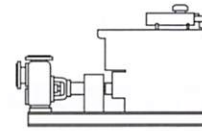
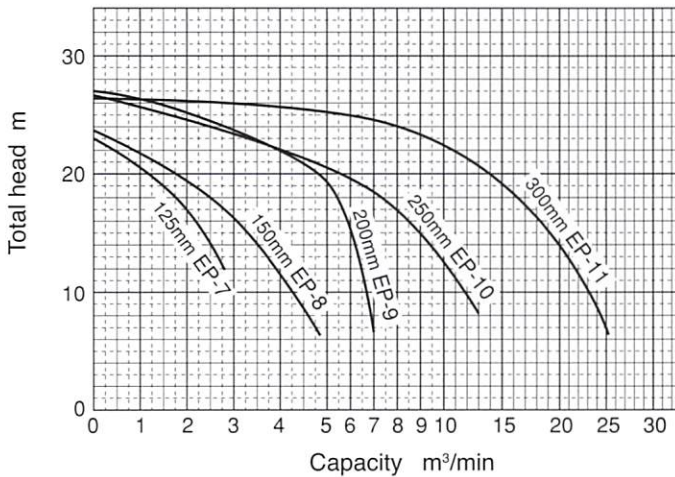
Uses

- Emergency draining
- Irrigation
- Pumping for water piping, gas piping, cable work

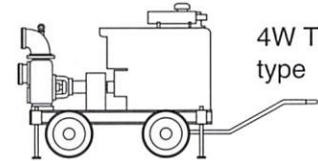
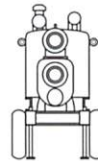
Special Specifications

Please contact us for custom specifications.

Performance Curve



2W Trailer type



4W Trailer type

Specifications

Model	EP-7	EP-8	EP-9	EP-10	EP-11
Bore (mm)	125	150	200	250	300
Capacity (m³/min)	Max. 3.8	Max. 4.8	Max. 6.5	Max. 15	Max. 30
Total Head (m)	Max. 21	Max. 22	Max. 25	Max. 20	Max. 25
Speed (min ⁻¹)	1800			1400	1100
Engine type	Water-cooled, 4-cycle, diesel engine				
Displacement	2179 mℓ			4329 mℓ	6494 mℓ
Continuous output (kW/rpm)	25/1800			45/1400	86/1650
Fuel	Diesel Light Oil				
Fuel Tank capacity	40 ℓ			94 ℓ	
Starter	Electric starter				
Dry weight (kg)	1130	1150	1200	2700	3400

B V belt drive



Features

- High pressure are genetated allowing a large volume of water to be discharged.
- The open type impeller ensures excellent durability, and smooth pumping of muddy water.
- Due to the high quality mechanical seal, no oil supply is required during operation.

Standard Specifications

Pumping Fluid	Type of Fluid	Natural water, Filty water
	Fluid Temperature	0-40°C (Without freezing)
Structure	Impeller	semi-open
	Shaft Seal	Mechanical Seal
	Bearing	Ball bearing
Material	Casing	ADC12
	Impeller	FC200
	Shaft	S45C
Connection	Hose coupling	

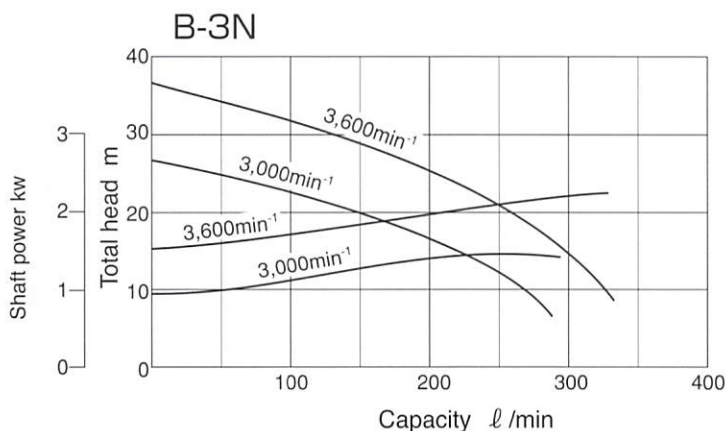
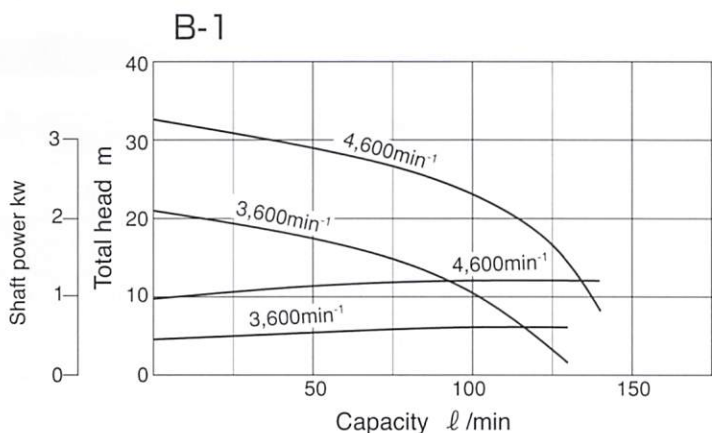
Uses

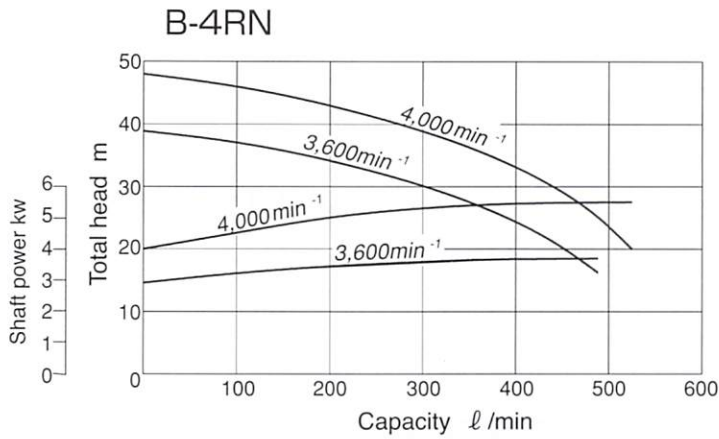
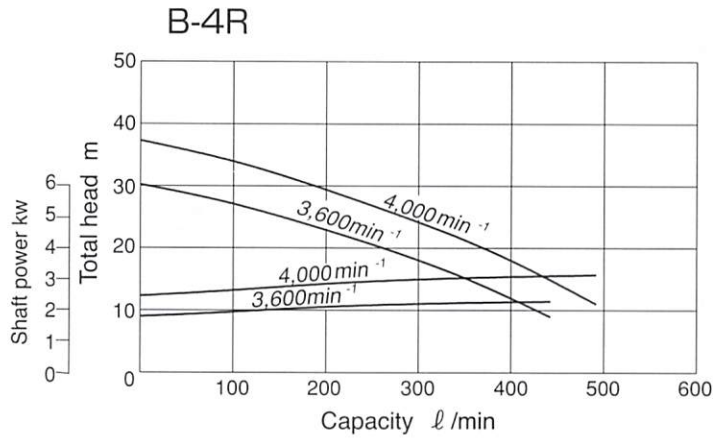
- Agriculture
- Fishery

Special Specifications

Please contact us for custom specifications.

Performance Curve





Specifications

Bore mm	Model	Speed min ⁻¹	Capacity (Max.) l/min	Total head (Max.) m	Shaft power kW	Pulley size	Rotation direction (Pully side)
25	B-1	3600	130	21	0.75	2 1/2" X A2	CCW
		4600	140	32	1.5		
40	B-3N	3000	300	26	1.5	3" X B2	CCW
		3600	330	36	2.2		
50	B-4R	3600	480	30	2.2	3" X B2	CCW
		4000	500	37	3.1		
	B-4RN	3600	480	38	3.7	3" X B3	CCW
		4000	520	48	5.5		

TP-50

Hand-operated
water pressure test pump



Features

- Compact and lightweight type for carrying.





















Uses

- Water pressure test

Specifications

Model	Max. pressure MPa	Water tank capacity ℓ	Size L×H×W (mm)	Weight kg
TP-50	3.43	4.6	357×285×223	3.4

COOLANT SYSTEM

Use \ Model	VCD	VCC	TRC	DS1
 Industrial uses				
 Plant				
 Slurry				
 Plant				

VCD Vortex coolant pump

Features

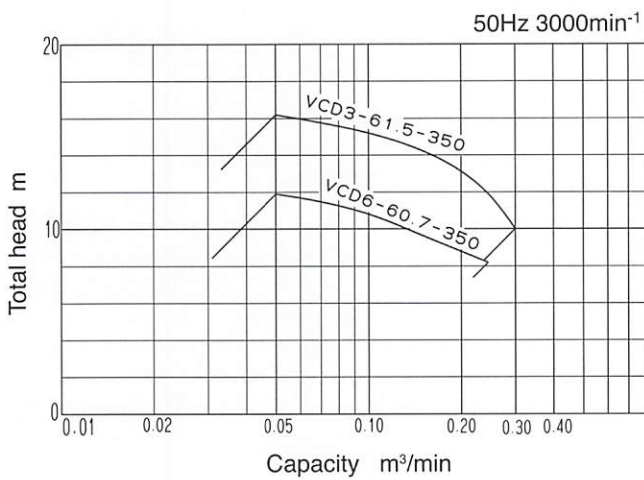
- Less clogged
 - Vortex construction.
- Durable abrasion-resistance and long-life
 - mechanical sealless
 - special painted parts contacting fluid
 - pump can run dry

Uses

- Filtering system
- Machine work
- Transfer fluid to coolant tank
- Mix up fluid in the tank



Performance Curve



Specifications

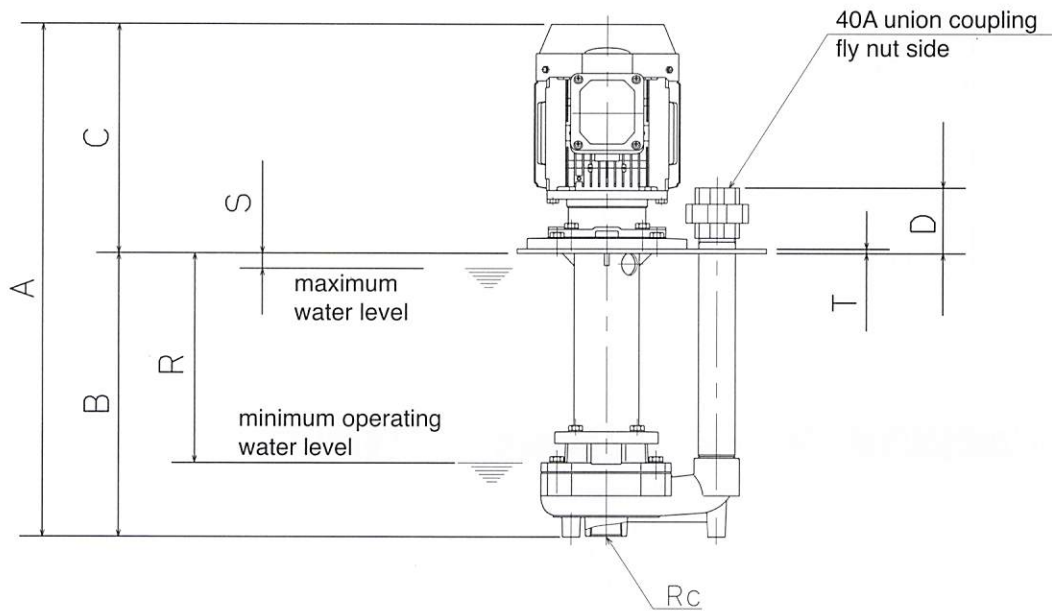
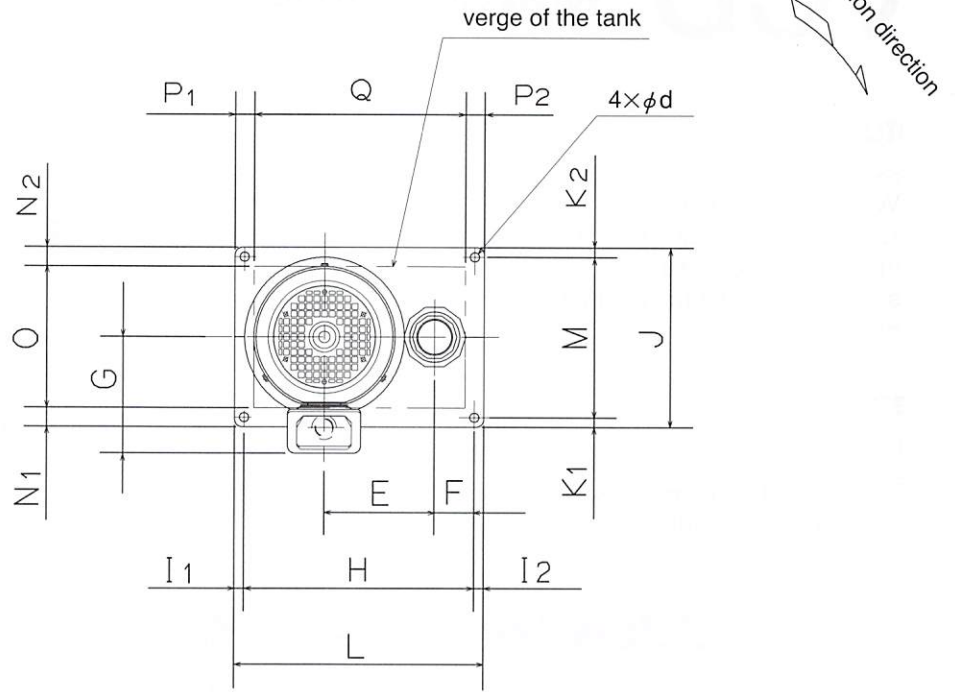
Total Head	15.5 - 8 m
Capacity	0.05 - 0.3 m ³ /min
Out Put	0.75 kW - 1.5 kW

Specifications

Model	VCD3-60.7-350	VCD3-61.5-350
Frecuence (Hz)	50	50
Capacity (m ³ /min)	0.05 - 0.20	0.05 - 0.30
Total Head (m)	11.6 - 8	15.5 - 9.5
Dis.Dia (mm)	40	
Foreign matter size	Max. ø20 mm	
Minimum operating water level (mm)	length from base to pump bottom 275 mm	
Impeller	Vortex construction	
Power Transmission	Direct Drive Type	
Motor type	TEFC	
Motor out put (kW)	0.75	1.5
Voltage (V)	200	200
Phase	3	3
Motor Rating	continuance	
Motor pole	2	
Weight (kg)	35	38

Model VCD

Size



Bore mm	Model	Motor kW	Dimensions mm																	Weight kg									
			A	B	C	D	E	F	G	H	I ₁	I ₂	J	K ₁	K ₂	L	M	N ₁	N ₂		O	P ₁	P ₂	Q	R	S	T	Rc	ød
40	VCD3-60.7-350	0.75	682	373	309	80	145	52.5	156	303	12.5	12.5	236	12.5	12.5	328	211	25	25	186	25	25	278	275	20	6	1 ¹ / ₄	12	35.0
	VCD3-61.5-350	1.5	674	373	301	80	145	52.5	153	303	12.5	12.5	236	12.5	12.5	328	211	25	25	186	25	25	278	275	20	6	1 ¹ / ₄	12	38.0

VCC

Vortex coolant pum



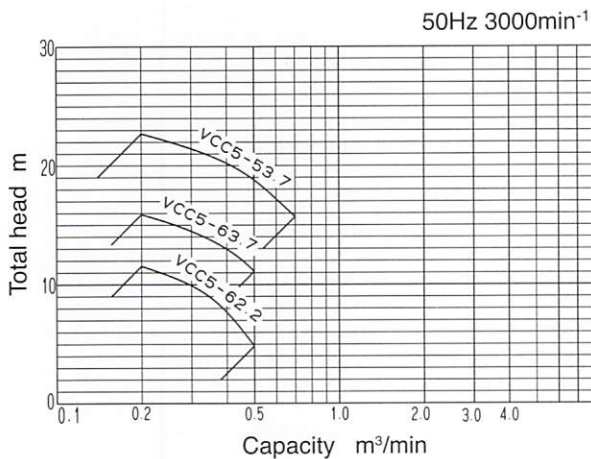
Features

- Less clogged
 - Vortex construction
- Durable abrasion-resistance and long-life
 - mechanical sealless
 - special painted parts contacting fluid
 - pump can run dry

Uses

- Filtering system
- Machine work
- Transfer fluid to coolant tank
- Mix up fluid in the tank

Performance Curve



Specifications

Total Head	20.5 - 4.5 m
Capacity	0.2 - 0.5 m ³ /min
Out Put	2.2 kW - 3.7 kW

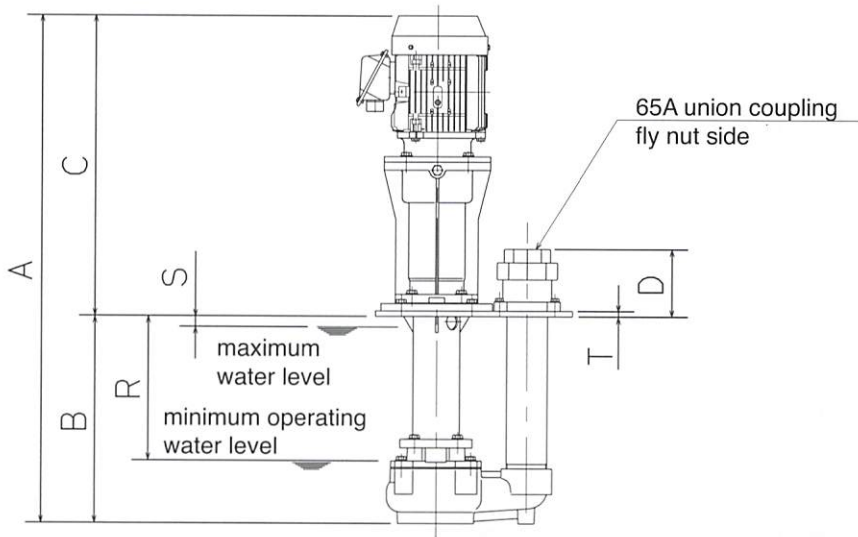
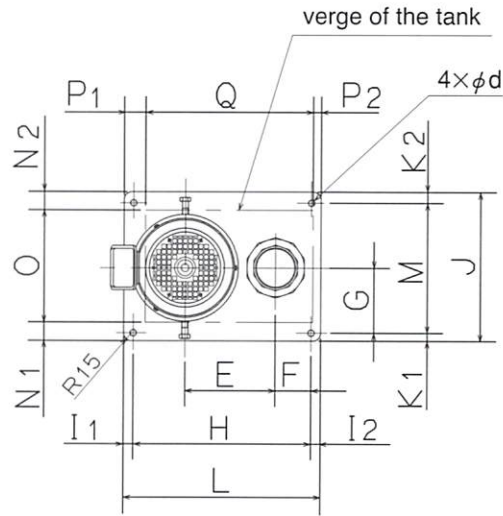
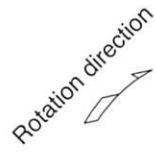
Specifications

Model	VCC5-62.2-350	VCC5-63.7-350	VCC5-53.7-350
	VCC5-62.2-500	VCC5-63.7-500	VCC5-53.7-500
Frequency (Hz)	50	50	50
Capacity (m ³ /min)	0.2 - 0.5	0.2 - 0.5	0.2 - 0.5
Total Head (m)	10.5 - 4.5	15 - 9	20.5 - 16.5
Dis.Dia (mm)	65		
Foreign matter size	Max. ø30 mm		
Minimum operating water level (mm)	Model: 350	length from base to pump bottom 270 mm	
	Model: 500	length from base to pump bottom 400mm	
Impeller	Vortex construction		
Power Transmission	Direct Drive Type		
Motor type	TEFC		
Motor out put (kW)	2.2	3.7	3.7
Voltage (V)	200	200	200
Phase	3	3	3
Motor Rating	continuance		
Motor pole	2		
Weight (kg)	Model: 350	69.5	85.5
	Model: 500	73.5	89.5
			86
			90

COOLANT SYSTEM

Model VCC

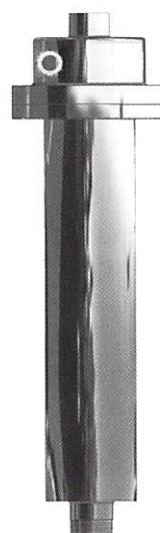
Size



Dia. mm	Model	Motor kW	Dimensions mm																				Weight kg					
			A	B	C	D	E	F	G	H	I ₁	I ₂	J	K ₁	K ₂	L	M	N ₁	N ₂	O	P ₁	P ₂		Q	R	S	T	ød
65	VCC5-62.2-350	2.2	955.5	390	565.5	127	170	67	122	334	18	18	280	15	21	370	244	35	35	210	40	15	315	272	20	10	12	69.5
	VCC5-62.2-500		1085.5	520	565.5	127	170	67	122	334	18	18	280	15	21	370	244	35	35	210	40	15	315	402	20	10	12	73.5
	VCC5-53.7-350	3.7	1027.5	390	637.5	127	170	85	140	390	15	15	310	15	15	420	280	30	30	250	30	30	360	272	20	10	15	86.0
	VCC5-53.7-500		1157.5	520	637.5	127	170	85	140	390	15	15	310	15	15	420	280	30	30	250	30	30	360	402	20	10	15	90.0

TRC

Proposal for coolant tank



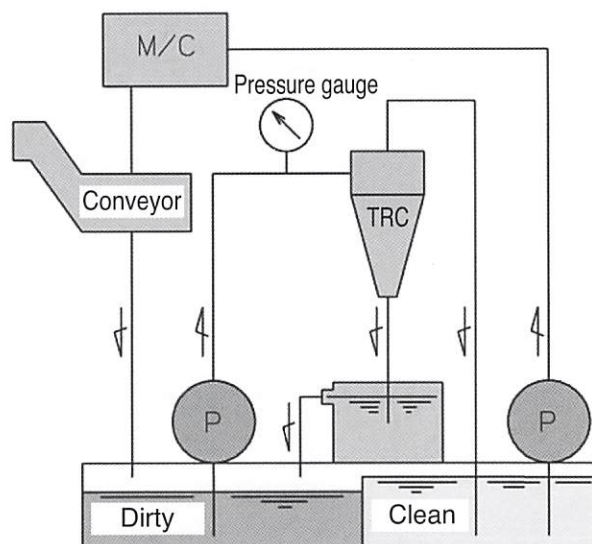
Solid-liquid separation of water soluble coolant liquid including sludge

Features

- Dirty liquid changes clean liquid.
 - Sludge elimination efficiency is more than 98 %.
(particle size : over 20 μ m)
 - Able to disassemble body of "CYCLONE." (easy to maintenance)
 - Sludge is eliminated from CYCLONE SYSTEM.
 - Able to filter magnetic (cast iron) and non-magnetic (aluminum alloy, abrasive grain)
 - Employing rubber in body prolongs service life and abrasion resistance.
- Inflow pressure to filter is no more than 0.1MPa

【Main body of CYCLONE】

Use cases

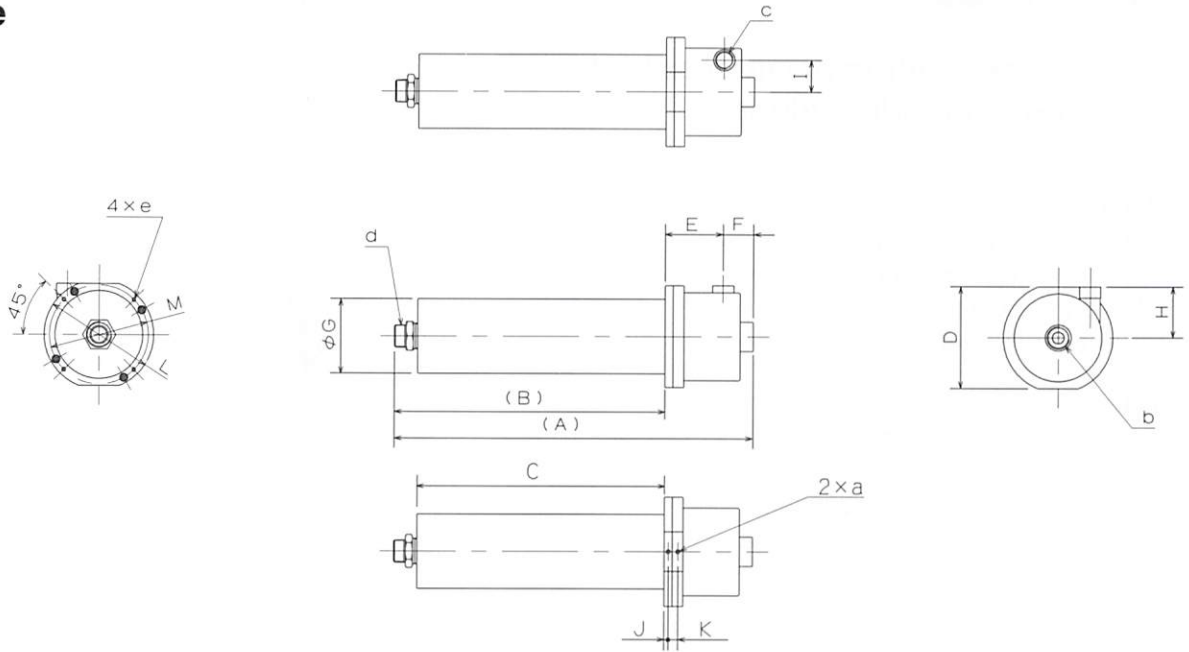


Specifications

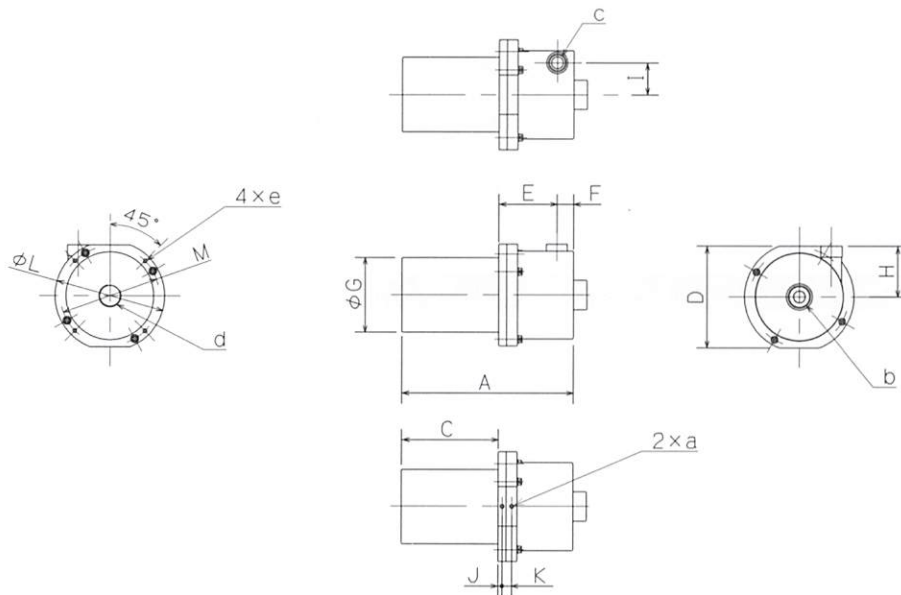
Model	TRC50N/TRC50SN			TRC100N/TRC100SN/TRC104		
	Inflow pressure (MPa)	0.3	0.2	0.1	0.3	0.2
Inlet flow (ℓ/min)	75	60	45	140	120	90
Amount of treated liquid (ℓ/min)	65	50	35	120	100	70
Applicable liquid	water soluble coolant liquid					
Temperature (°C)	0 - 50°C					
Specific Gravity of sludge	over 2.7					
Particle size	over 10 μ m					

Model TRC

Size



Dia. mm	Model	Dimensions mm																		Weight kg
		A	B	C	D	E	F	G	H	I	J	K	L	M	a	b	c	d	e	
25	TRC50N	560	452	408	146	59	49	89	73	41.5	7.5	18	152	133	M8×13	Rc1	Rc1/2	R1 1/4	M6×15	10.0
	TRC50SN	410	302	258	146	59	49	89	73	41.5	7.5	18	152	133	M8×13	Rc1	Rc1/2	R1 1/4	M6×15	8.1
40	TRC100N	675	509	465	192	109	57	140	96	60	7.5	18	206	186	M8×10	Rc1 1/2	Rc1	R1 1/4	M8×15	21.2
	TRC100SN	493	327	283	192	109	57	140	96	60	7.5	18	206	186	M8×10	Rc1 1/2	Rc1	R1 1/4	M8×15	16.1



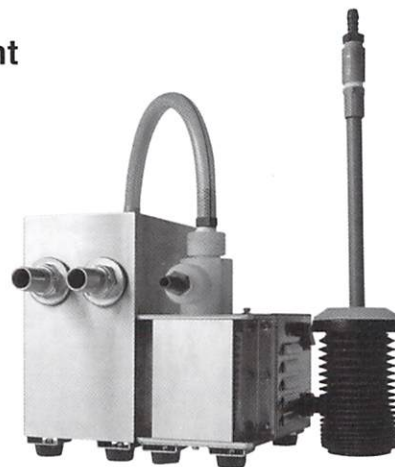
Dia. mm	Model	Dimensions mm																	Weight kg
		A	C	D	E	F	G	H	I	J	K	L	M	a	b	c	d	e	
40	TRC104	348	182	192	109	57	140	96	60	7.5	18	206	186	M8×10	R1 1/2	Rc1	R1 1/2	M8×15	14.5

DS1

Floated oil recovery equipment

Features

- Equipped with bellows-type surface layer liquid suction device capable of detecting liquid level.
- Compact, lightweight
- The separation tank and the pump unit can be separated.
- The suction pump is of bellows type.



Uses

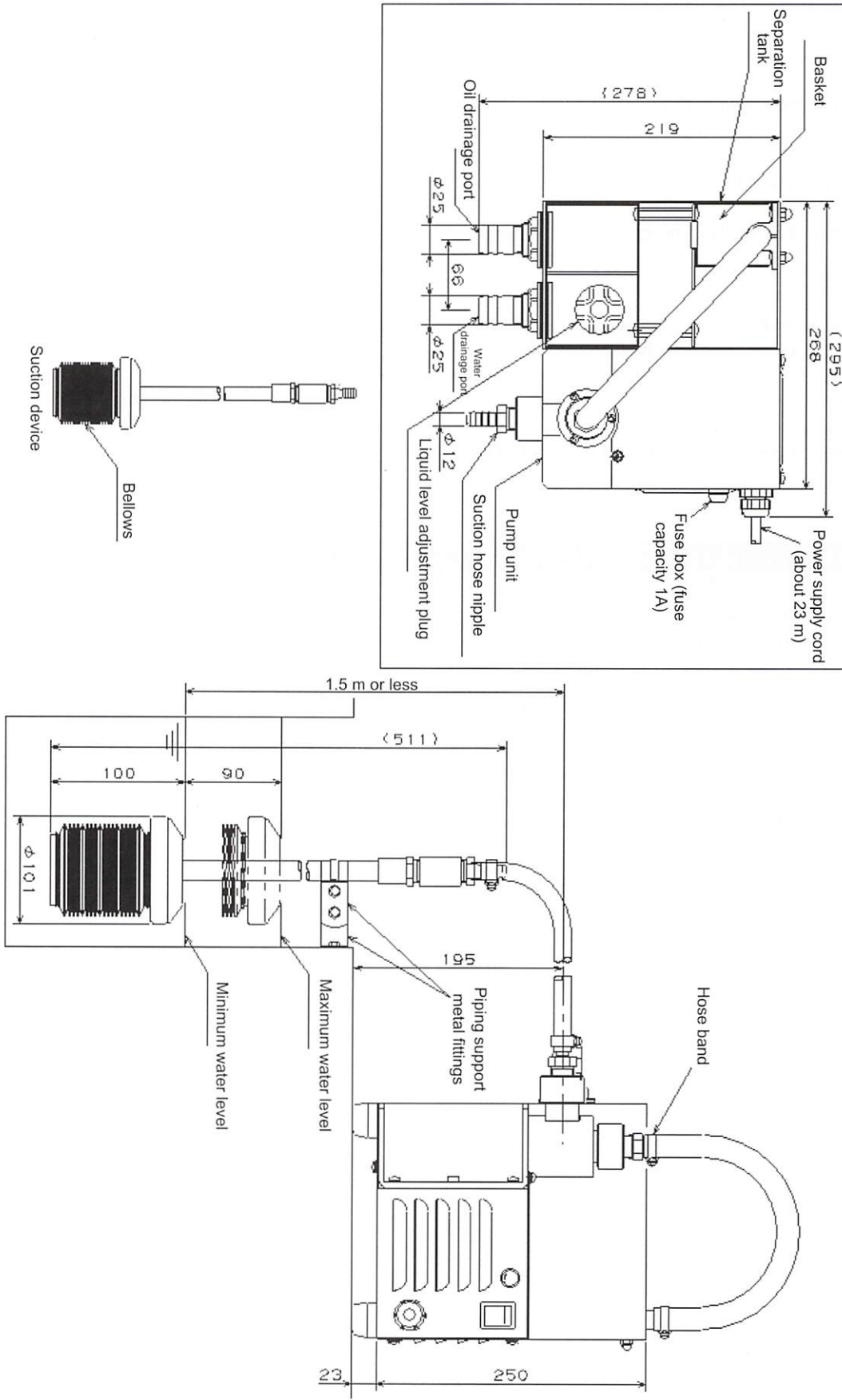
- Removal of floated oil including parts cleaning liquid and water-soluble cutting liquid
 - Removal of floated oil in compressor drain water
 - Removal of floated oil in circulating water for water treatment and drainage water at plants
- * As the equipment separates oil using difference in specific gravity, emulsion cannot be separated into oil and water.
- * Before discharge (drainage), be sure to check the liquid quality.

Specifications

Model	Performance MAX. (L/hour)	Size of separation tank (mm)	Size of pump unit (mm)	Process liquid	Liquid temperature (°C)
DS1-120	100	138×219×273H	130×219×252H	Water, (cleaning liquid), water-soluble cutting liquid, etc.	0 - 40 (No freezing)

Power supply/voltage (V)	Frequency (Hz)	Pump motor Output (W)	Suction head MAX. (m)	Installation location	Weight (kg)
Single-phase, AC 100	50	15 Equipped with thermal protector	1.5	Indoor	10.5

※ To use alkaline cleaning liquid, please prepare a separation tank designed for storing alkaline cleaning liquid.
(With the standard specification, some parts may corrode.)





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