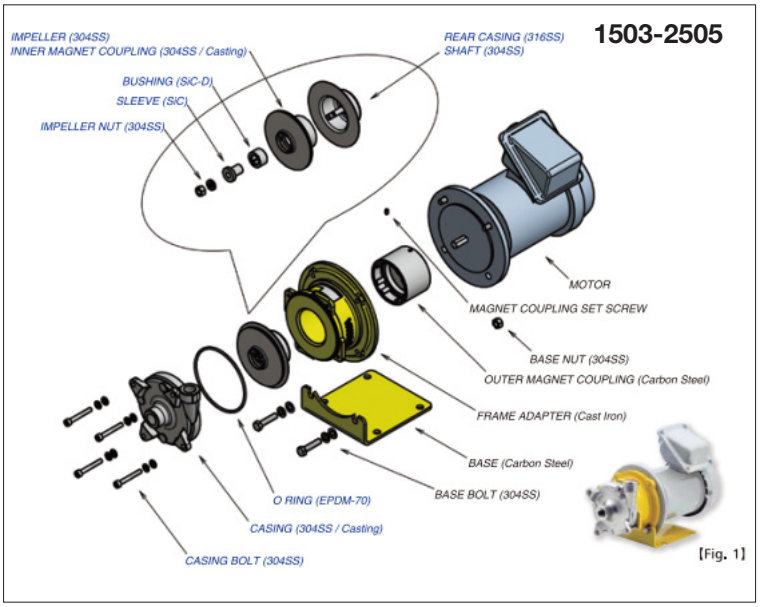
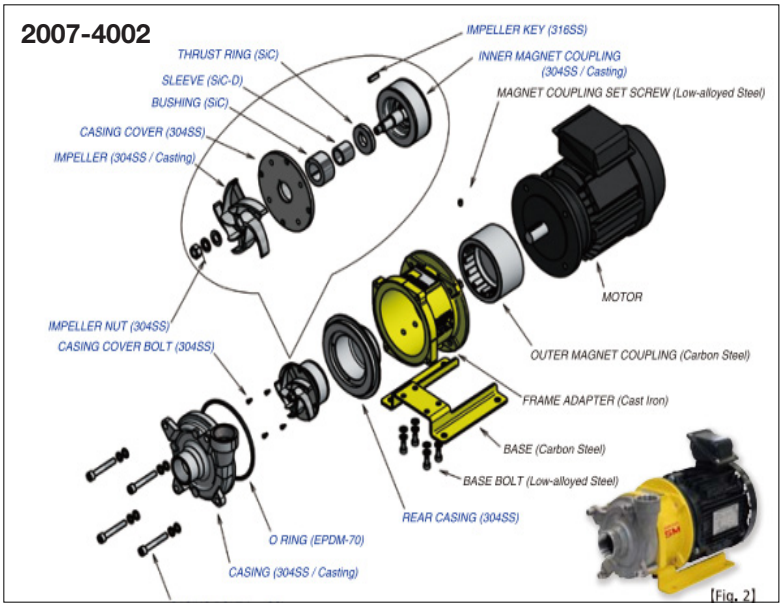
IWAKI
SANWA PUMP

M
series

EXPLODED VIEW





SPECIFICATIONS

Digital Pressure		0.4 MPa (Motor : 0.37kW - 0.55kW)
		0.6 MPa (Motor : 0.75kW - 105kW - 2.2kW)
Max Temperature		100ºC
Min Temperature		-20ºC
Type of Impeller		Close (Motor : 0.3kW - 0.55kW)
		Open (Motor : 0.75kW - 1.5kW - 2.2kW)
Material	Pump	304 Stainless Steel
	O Ring	EPDM-70 (Option : FKM, VMQ)
	Bearing	SIC (Ceramic)
Motor		3 Phase 200V / 220V / 380V / 400V / 440V

FEATURES

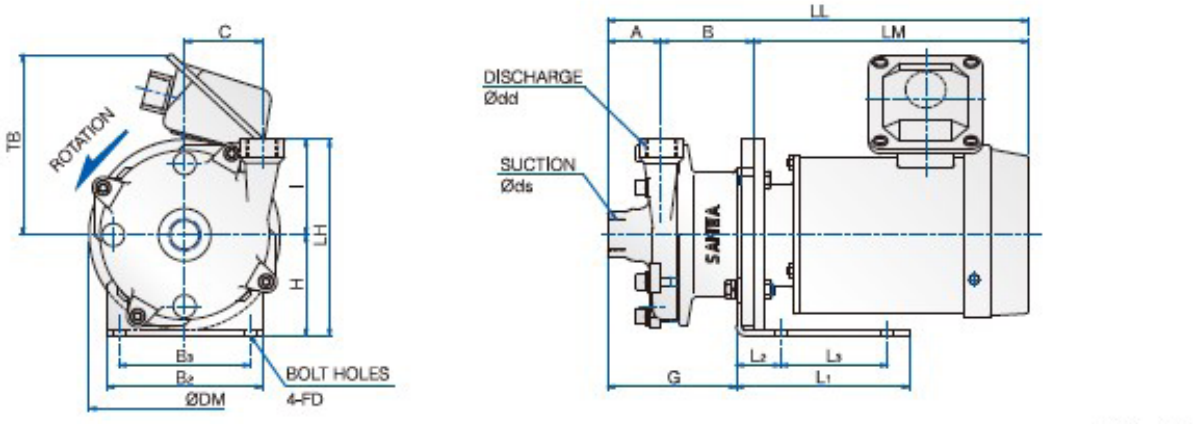
- Easy to clean - Standard open impeller
- Durable - SIC wet bearing is adopted as standard. Ensures durability and no frictional wear
- Energy saving - Reduced electric consumption by 10% due to unique design

DIMENSIONS

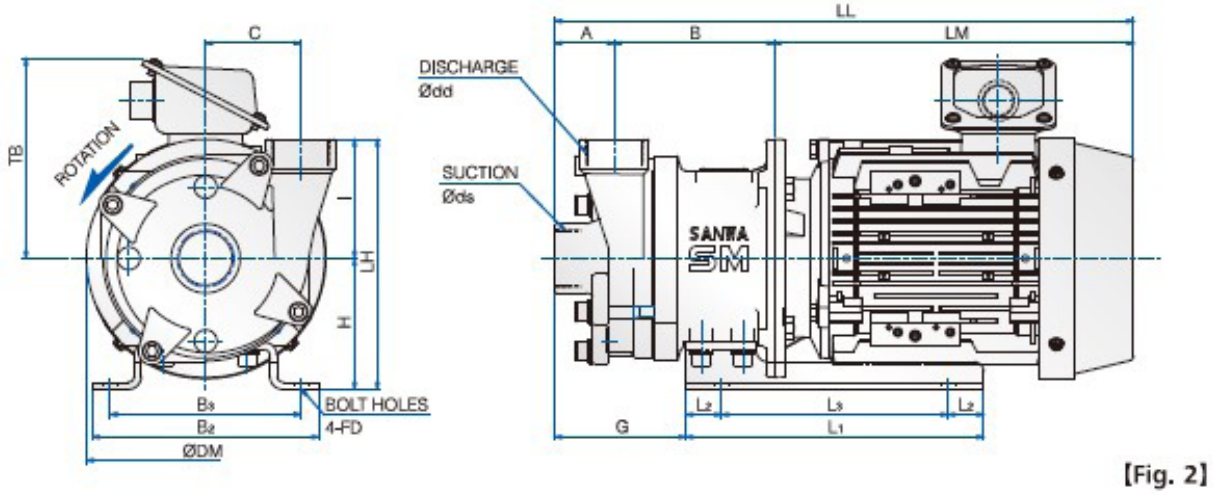
PUMP MODEL M SERIES

(IN THE UNIT OF MM)

CODE		MOTOR		BORE		PUMP & MOTOR										BASE PLATE								WEIGHT APPROX (kg)			Fig
SIZE		FLAME SIZE	OUTPUT (KW)	SUCT. ds	DISCH. dd	A	B	C	H	I	LH	øDM	TB	LM	LL	G	L_1	L_2	L_3	B_2	B_3	t	FD	PUMP	MOTOR	TOTAL	
1503	W5	71M	0.37	15 (Rc 1/2)	15 (Rc 1/2)	30	72	50	85	65	150	160	142	209	311	88	145	37	90	130	110	4.5	ø10	5.8	8.0	13.8	
	W6																										
2005	W5	71M	0.55	20 (RC 3/4)	20 (RC 3/4)	45	77	65	85	80	465	160	151	231	353	108	145	37	90	130	110	4.5	ø10	7.4	11.0	18.4	1
	W6																										
2505	W5	71M	0.55	25 (RC 1)	25 (RC 1)	35	87	55	85	60	145	160	151	231	353	108	145	37	90	130	110	4.5	ø10	6.8	11.0	17.8	
	W6																										
2007	W5	80M	0.75	20 (RC 3/4)	20 (RC 3/4)	45	109	65	110	80	190	200	157	235.5	389.5	80	250	30	190	190	160	6	ø12	12	13.5	25.5	
	W6																										
2507	W5	80M	0.75	25 (RC 1)	25 (RC 1)	55	114	65	110	80	190	200	157	235.5	404.5	95	250	30	190	190	160	6	ø12	13	13.5	26.5	
	W6																										
2515	W5	90L	1.5	25 (RC 1)	25 (RC 1)	55	124	65	110	80	190	200	168	273	452	105	250	30	190	190	160	6	ø12	13	19.5	32.5	
	W6																										
2515L	W5	90L	1.5	25 (RC 1)	25 (RC 1)	60	119	80	110	90	200	200	168	273	452	105	250	30	190	190	160	6	ø12	14	19.5	33.5	2
	W6																										
2522	W5	90L	2.2	25 (RC 1)	25 (RC 1)	60	119	80	110	90	200	200	168	302	481	105	250	30	190	190	160	6	ø12	14	24	38	
	W6																										
4007	W5	80M	0.75	40 (RC1 1/2)	40 (RC1 1/2)	50	124	80	110	100	210	200	157	235.5	409.5	100	250	30	190	190	160	6	ø12	15	13.5	28.5	
	W6																										
4015	W5	90L	1.5	40 (RC1 1/2)	40 (RC1 1/2)	50	134	80	110	100	210	200	168	273	457	110	250	30	190	190	160	6	ø12	15	19.5	34.5	
	W6																										
4022	W5	90L	2.2	40 (RC1 1/2)	40 (RC1 1/2)	50	134	80	110	100	210	200	168	302	468	110	250	30	190	190	160	6	ø12	15	24	39	
	W6																										

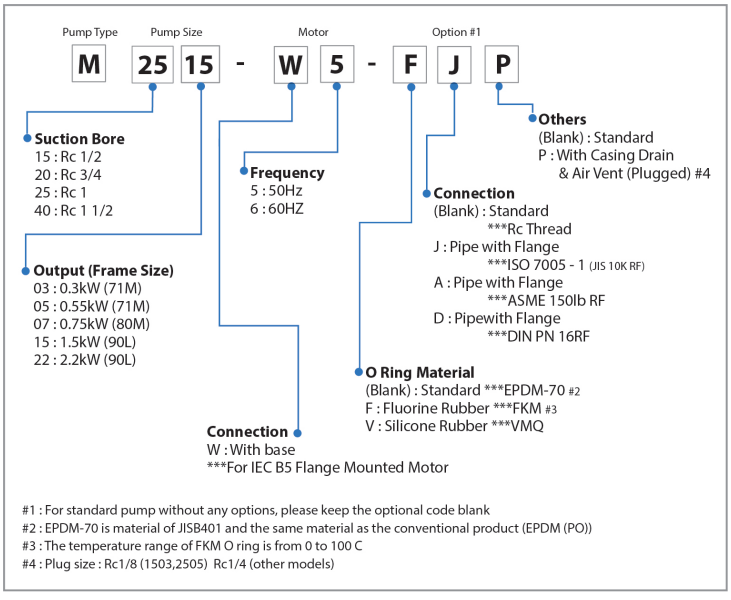


[Fig. 1]



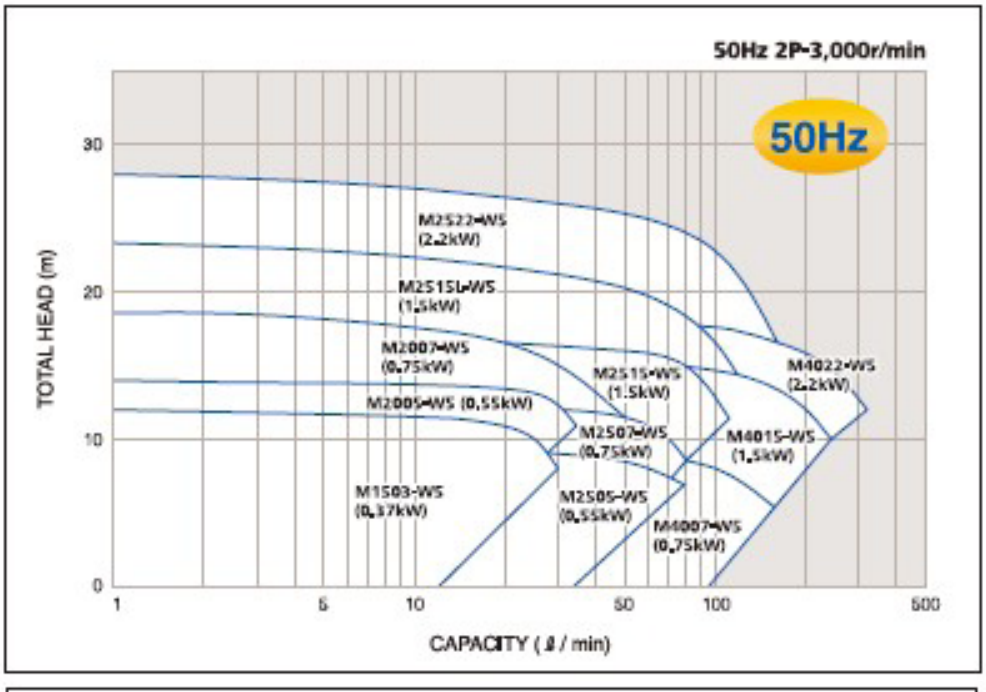
[Fig. 2]

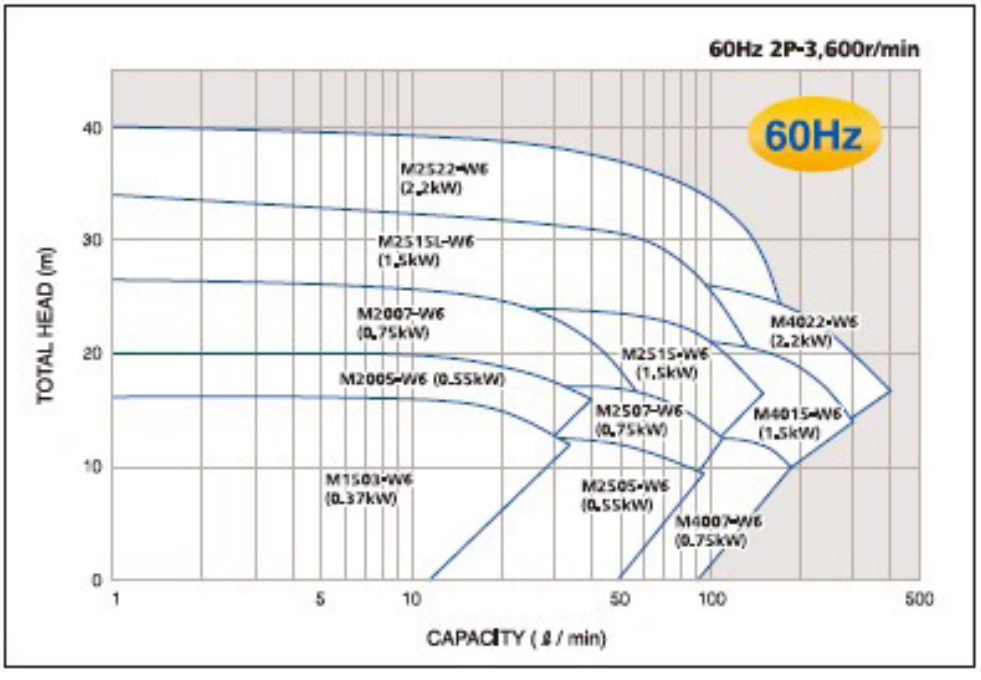
MODEL CODES



#1 : For standard pump without any options, please keep the optional code blank
#2 : EPDM-70 is material of JISB401 and the same material as the conventional product (EPDM (PO))
#3 : The temperature range of FKM O ring is from 0 to 100 C
#4 : Plug size : Rc1/8 (1503,2505) Rc1/4 (other models)

CURVES





PERFORMANCE

Frequency (Hz)	Product Code	Bore		Motor (kW)	Typical Performance (Small Capacity)		S.G.	VIS (mPa-s)
		Suction	Discharge		Total Head (m)	Capacity (L/min)		
50	M 1503 -W5	15mm (Re 1/2)	15mm (Rc 1/2)	0.37	10 (12)	24 (6)	~1.0	Less than 10
	M 2005 -W5	20mm (Re 3/4)	20mm (Rc 3/4)	0.55	13 (14)	28 (7)		
	M 2505 -W5	25mm (Re 1)	25mm (Rc 1)	0.55	8 (9)	64 (16)		
	M 2007 -W5	20mm (Re 3/4)	20mm (Rc 3/4)	0.75	14 (17)	35 (8)		
	M 2007 -W5	25mm (Re 1)	25mm (Rc 1)	1.5	18 (22)	100 (27)		
	M 2522 -W5	25mm (Re 1)	25mm (Rc 1)	2.2	21 (26)	110 (30)		
	M 4007 -W5	40mm (Rc1 1/2)	40mm (Rc1 1/2)	0.75	8 (8)	105 (35)		
	M 4007 -W5	40mm (Rc1 1/2)	40mm (Rc1 1/2)	1.5	11 (14)	175 (35)		
	M 4022 -W5	40mm (Rc1 1/2)	40mm (Rc1 1/2)	2.2	16 (18)	190 (50)		
60	M 1503 -W6	15mm (Re 1/2)	15mm (Rc 1/2)	0.37	14 (16)	28 (7)	~1.0	Less than 10
	M 2005 -W6	20mm (Re 3/4)	20mm (Rc 3/4)	0.55	18 (20)	32 (8)		
	M 2505 -W6	25mm (Re 1)	25mm (Rc 1)	0.55	11 (13)	72 (18)		
	M 2007 -W6	20mm (Re 3/4)	20mm (Rc 3/4)	0.75	20 (25)	40 (10)		
	M 2515L-W6	25mm (Re 1)	25mm (Rc 1)	1.5	26 (31)	120 (27)		
	M 2522 -W6	25mm (Re 1)	25mm (Rc 1)	2.2	30 (38)	130 (30)		
	M 4007 -W6	40mm (Rc1 1/2)	40mm (Rc1 1/2)	0.75	10 (12)	150 (60)		
	M4015 -W6	40mm (Rc1 1/2)	40mm (Rc1 1/2)	1.5	16 (20)	250 (60)		
	M 4022 -W6	40mm (Rc1 1/2)	40mm (Rc1 1/2)	2.2	20 (26)	270 (70)		

* LM,LL,TB dimensions and motor weight may vary depending on motor used.

Significantly increased dry running capability!

- SiC-D bearings can withstand accidental dry run for extended periods.
- Unique materials and manufacturing techniques of our specially treated SiC-D bearings provide a coefficient of friction 1/4 that of SiC.
- The very low coefficient of friction of our SiC-D bearings results in much less heat being generated in upset or dry running conditions.
  SiC-D bearings are more forgiving of dry running conditions frequently encountered at start up, during upset conditions or in batch services.
  Extremely hard surfaces minimize wear and prolong service life; resistance to chemicals is maintained for extended bearing life.


Bushing (SIC)


Sleeve (SIC-D)


Thrust Ring (SIC)


M1503-W5 (Standard)


M2505-W5 (Standard)


M4022-W-FJ

(Option)
O-Ring : Flourine Rubber
Connection : Pipe with Flange
ISO 7005 1 (JIS 10K RF)

ABOUT US

For over 60 years, Iwaki has been a global leader in the design,development and manufacturing of non-metallic sealless chemical pumps. With flow rates up to 1,100 GPM, Iwaki has thousands of size and material combinations to meet your application needs. Iwaki features both flooded suction and self-priming technology that can be mounted to a variety or motor options including AC and DC driven units.