



JMI - Simavis

# Heavy Duty Construction Dewatering Pump



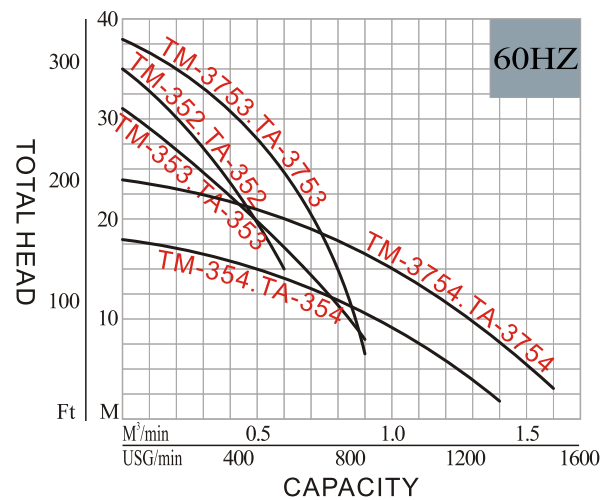
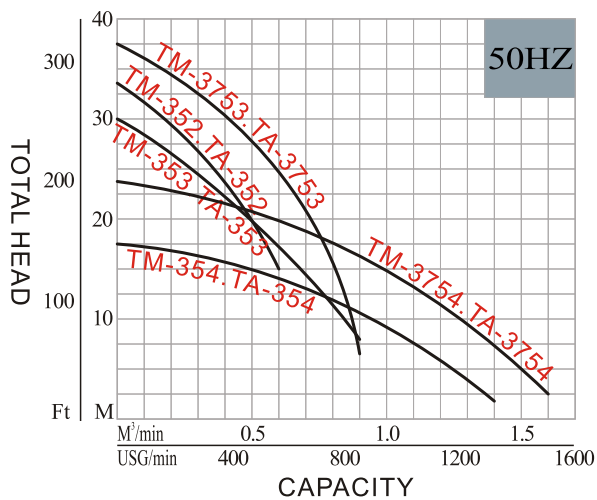
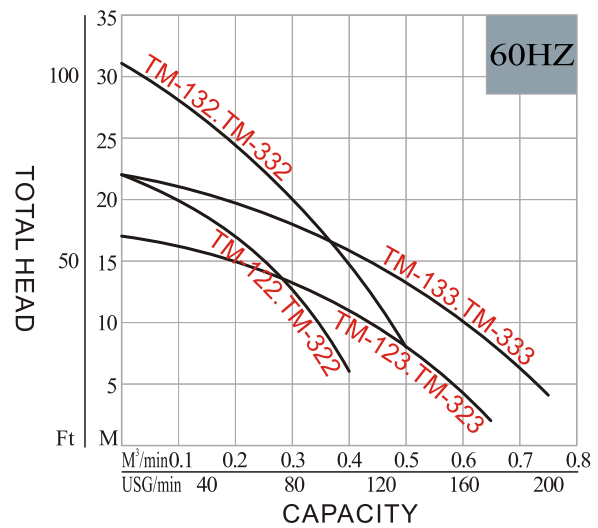
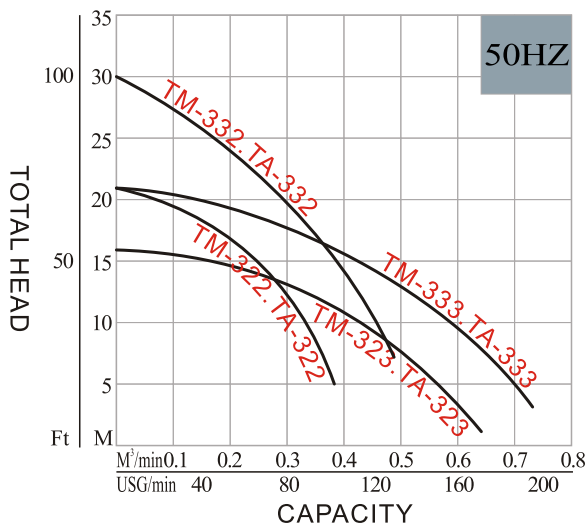
**TM/TA Series**

# TM/TA Series - Water Cooling

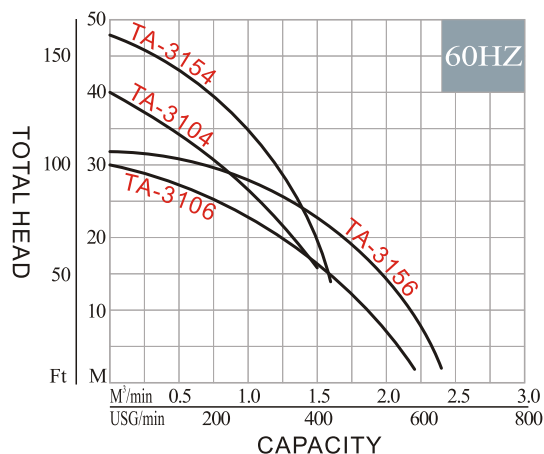
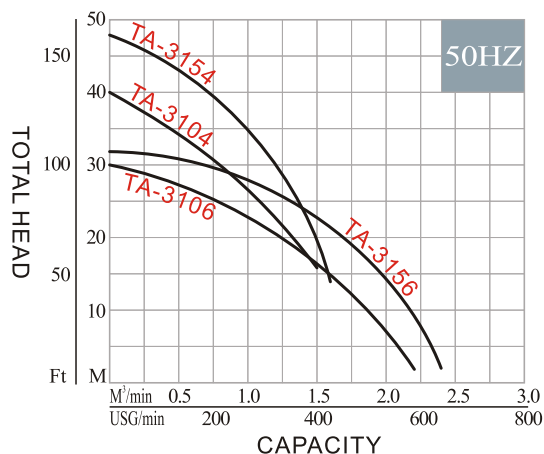


Lightweight with Compact heavy-duty design for handling extremely abrasive liquid, expanding from general construction to civil engineering.

## PERFORMANCE CURVES



# TM/TA Series - Water Cooling



## SPECIFICATION

### TM : Casting Iron Series

Type	Phase	Voltage	Power		Caliber		Pole	Std.Head	Std.Flow	Max.Head	Max.Flow	Weight	Solid Passage	Remark
			HP	KW	Inch	mm								
TYPE	PH	VOLT	HP	KW	Inch	mm	P	M	M <sup>3</sup> /min	M	M <sup>3</sup> /min	KG	mm	REM
TM-322	3Ø	220~440	2	1.5	2"	50	2P	15	0.25	22	0.40	39	8.5	
TM-323	3Ø	220~440	2	1.5	3"	80	2P	8	0.50	17	0.65	39	8.5	
TM-332	3Ø	220~440	3	2.2	2"	50	2P	20	0.30	31	0.50	41	8.5	
TM-333	3Ø	220~440	3	2.2	3"	80	2P	10	0.60	22	0.75	41	8.5	
TM-352	3Ø	220~440	5	3.7	2"	50	2P	30	0.20	35	0.60	63	8.5	
TM-353	3Ø	220~440	5	3.7	3"	80	2P	20	0.50	31	0.80	63	8.5	
TM-354	3Ø	220~440	5	3.7	4"	100	2P	10	1.00	18	1.40	63	8.5	
TM-3753	3Ø	220~440	7.5	5.5	3"	80	2P	25	0.60	38	0.90	72	8.5	
TM-3754	3Ø	220~440	7.5	5.5	4"	100	2P	15	1.00	24	1.60	72	8.5	

### TA : Aluminum Series

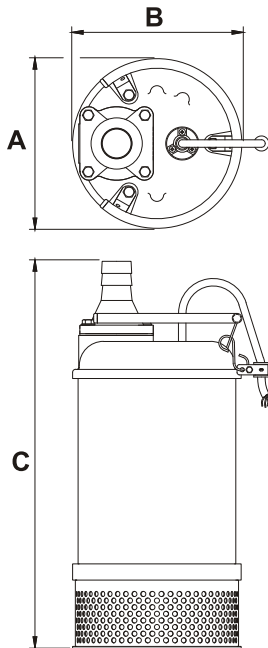
Type	Phase	Voltage	Power		Caliber		Pole	Std.Head	Std.Flow	Max.Head	Max.Flow	Weight	Solid Passage	Remark
			HP	KW	Inch	mm								
TYPE	PH	VOLT	HP	KW	Inch	mm	P	M	M <sup>3</sup> /min	M	M <sup>3</sup> /min	KG	mm	REM
TA-322	3Ø	220~440	2	1.5	2"	50	2P	15	0.25	22	0.40	27	8.5	
TA-323	3Ø	220~440	2	1.5	3"	80	2P	8	0.50	17	0.65	27	8.5	
TA-332	3Ø	220~440	3	2.2	2"	50	2P	20	0.30	31	0.50	31	8.5	
TA-333	3Ø	220~440	3	2.2	3"	80	2P	10	0.60	22	0.75	31	8.5	
TA-352	3Ø	220~440	5	3.7	2"	50	2P	30	0.20	35	0.60	43	8.5	
TA-353	3Ø	220~440	5	3.7	3"	80	2P	20	0.50	31	0.80	43	8.5	
TA-354	3Ø	220~440	5	3.7	4"	100	2P	10	1.00	18	1.40	43	8.5	
TA-3753	3Ø	220~440	7.5	5.5	3"	80	2P	25	0.60	38	0.90	52	8.5	
TA-3754	3Ø	220~440	7.5	5.5	4"	100	2P	15	1.00	24	1.60	52	8.5	
TA-3104	3Ø	220~440	10	7.5	4"	100	2P	30	0.80	40	1.50	125	15	
TA-3106	3Ø	220~440	10	7.5	6"	150	2P	15	1.60	30	2.20	125	15	
TA-3154	3Ø	220~440	15	11	4"	100	2P	35	1.00	48	1.60	140	15	
TA-3156	3Ø	220~440	15	11	6"	150	2P	20	1.70	32	2.40	140	15	

# TM/TA Series - Water Cooling

## APPLICATIONS

1. General construction & civil engineering application.
2. Tunnel & subway construction, mining and reclamation operation.
3. Deep-well pre-dewatering.

## DIMENSIONS



Unit:mm

TYPE	A	B	C
TM-322	245	245	560
TM-323	245	245	560
TM-332	245	245	560
TM-333	245	245	560
TM-352	285	285	640
TM-353	285	285	640
TM-354	285	285	640
TM-3753	285	285	680
TM-3754	285	285	680
TM-3104	335	335	785
TM-3106	335	335	785
TM-3154	335	335	810
TM-3156	335	335	810

## PARTS LIST

Liquid	Caliber	50 / 80 / 100 / 150 mm	
	Temperature	0°C~40°C (32°C~104°F)	
	Application	The special construction, the bridge, the harbor, the river, the civil engineering drain off water using	
	The lowest depth	▽10M	
Pump	Structure	Impeller	Semi-open Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	ALU / FC-200(2-7.5HP)
		Bearing	Heavy-duty bearing
		Impeller	HCR
		Volute Casing	ALU / FC-200(2-7.5HP)
		Motor Bracket	ALU / FC-200(2-7.5HP)
		Suction Casing Cover	FC-200
	Seal	Lubricant	ISO VG.#32
Motor Side		Carbon / Ceramic	
Pump Side		SIC / SIC	
Motor	Type	Submersible dry type	
	Insulation class	F class(155°C)	
	Inner protector	Auto Reset Motor Protector	
	Material	Casing	SUS304
Main Shaft		SUS410	

\*Spare parts and material of pump could be made by request.

## SECTIONAL DRAWING

