



*Slurry Pump Solutions China Manufacturer*



**TH Extra-Heavy Duty Slurry Pump**

## TH extra heavy-duty slurry pump

TH series metal and rubber slurry pumps are designed for the most difficult pumping applications.

Extra sections at wear point and perfect impeller structure ensure satisfactory performance with long life.

Rubber lined pumps expand application to chemical products handling, several different rubber options are available to meet different application need.

## Typical Applications

Mill Discharge  
Coarse sand  
Coarse tailings  
Phosphoric acid  
Mineral concentrate  
Heavy media  
Fine tailings  
Coal  
FGD

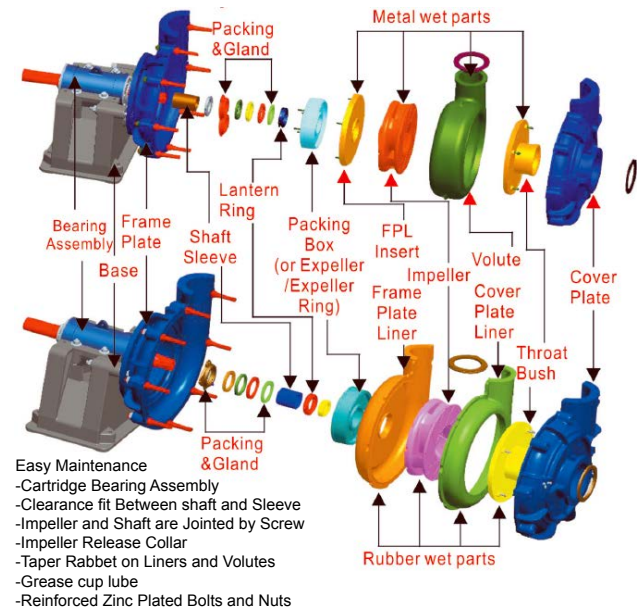
## Pump Photo



## Material of Constructions

Parts	Material	Specification
Volute Liner, Impeller, Throatbush, FPL insert	Hard Metal	A05:23~30% A07:14~18% A12:30% A49:27~29%A33:33~37% Chrome White Iron
	Rubber	R26 R08 R55 R38 R33 Natural Rubber; S01 EPDM Rubber; S21;Butyl;S31;Hypalon; S44; Neoprene
Expeller&Expeller Ring	Metal	A05 23~30% High Chrome Iron G01: Grey Iron
	Rubber	R26 R08 R55 R38 R33 Natural Rubber
Stuffing Box	Metal	A05 23~30% High Chrome Iron G01: Grey Iron
Frame Plate, Cover Plate, Base Bearing housing	Metal	G01 Grey Iron D21 Ductile Iron
Shaft	Carbon Steel	Type 1045(ASTM)
Shaft Sleeve, Lantern Rings, Restrictor, Neck Ring, Gland Bolts	Stainless Steel	3Cr13, 304SS, 316SS
Joint Ring&Seals	Rubber	R26 R08 R55 R38 R33 Natural Rubber; S01 EPDM Rubber; S21;Butyl;S31;Hypalon; S44; Neoprene

## Pump Structure



TH extra heavy-duty slurry pump

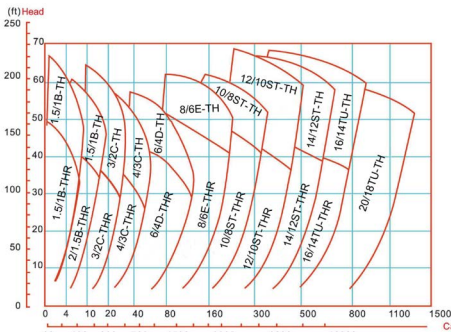
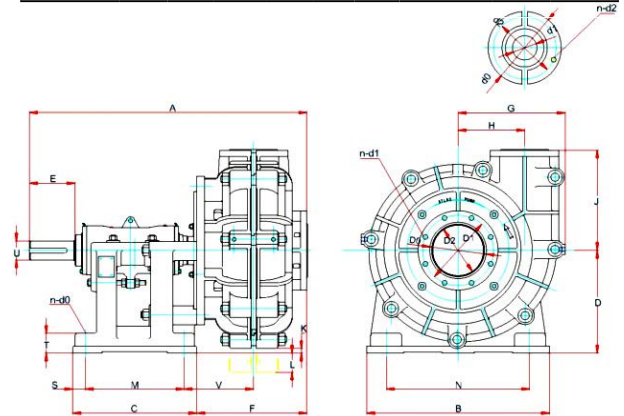
# TH Clear Water Performance Chart

TH(R) SLURRY PUMP CLEAR WATER PERFORMANCE DATASHEET									
MODEL	MAX	MATERIAL		CAPACITY		HEAD	SPEED	MAX	NPSH
	POWER	LINER	IMPELL	m <sup>3</sup> /h	l/s	H(m)	n(r/m)	η%	m
	KW								
1.5/1B-TH	15	M	M	12~28	3.5~8	6~68	1200~3800	40	2~4
		RU	RU	10~25	3~7	7~52	1400~3400	35	2~4
2/1.5B-TH	15	M	M	32~72	9~20	6~58	1200~3200	45	3.5~8
		RU	RU	25~54	7~15	5~41	1000~2600	50	2.5~5
3/2C-TH	30	M	M	39~86	11~24	12~64	1300~2700	55	4~6
		RU	RU	36~75	10~21	13~39	1300~2100	55	2~4
4/3C-TH	30	M	M	86~198	24~25	9~52	1000~2200	71	4~6
4/3D-TH	60								
4/3C-TH	30	RU	RU	79~180	22~50	5~34	800~1800	59	3~5
4/3D-TH	60								
6/4D-TH	60	M	M	162~360	45~100	12~56	800~1550	65	5~8
6/4E-TH	120								
6/4D-TH	60	RU	RU	144~324	40~90	12~45	800~1350	65	3~5
6/4E-TH	120								
8/6E-TH	120	M	M	360~828	100~230	10~61	500~1140	72	2~9
8/6R-TH	300								
8/6E-TH	120	RU	RU	324~720	90~200	7~49	400~1000	65	5~10
8/6R-TH	300								
10/8ST-TH	560	M	M	612~1368	170~380	11~61	400~850	71	4~10
		RU	RU	540~1188	150~330	12~50	400~750	75	4~12
12/10ST-TH	560	M	M	936~1980	260~550	7~68	300~800	82	6
		M	RU	720~1620	200~450	7~45	300~650	80	2.5~7.5
14/12ST-TH	560	M	M	1260~2772	350~770	13~63	300~600	77	3~10
		RU	RU	1152~2520	320~700	13~44	300~500	79	3~8
16/14ST-TH	560	M	M	1368~3060	380~850	11~63	250~550	79	4~10
16/14TU-TH	1200								
18/16ST-TH	560	M	M	2160~5040	600~1400	8~66	200~500	80	4.5~9
18/16TU-TH	1200								
20/18TU-TH	1200	M	M	2520~5400	700~1500	13~57	200~400	85	5~10

# Pump Outline

TH SLURRY PUMP DIMENSIONAL DATASHEET										
MODEL	A	B	C	D	E	J	M	N	WEIGHT KGS	
									Metal	Rubber
1.5/1B-TH	583	295	248	197	79	171	143	254	91	77
2/1.5B-TH	592	295	248	197	79	184	143	254	104	118
3/2C-TH	768	406	311	254	121	210	175	356	191	154
4/3C-TH	843	406	311	254	121	262	175	356	263	236
4/3D-TH	943	492	364	330	164	262	213	432	363	290
6/4D-TH	1021	492	364	330	164	338	213	432	626	454
6/4E-TH	1178	622	448	457	222	338	257	546	728	635
8/6E-TH	1302	622	448	457	222	460	257	546	1473	982
8/6R-TH	1360	680	590	350	215	460	490	560	1655	1164
10/8ST-TH	1748	1150	780	650	280	635	620	900	3750	3130
12/10ST-TH	1816	1150	780	650	280	674	620	900	4318	3357
14/12ST-TH	1837	1150	780	650	280	832	620	900	6409	4672
16/14TU-TH	2320	1460	1050	900	350	889	860	1200	10000	

All dimensions are in millimeters



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