



Well Dewatering

BUILT FOR WORK®



Electric Submersible Pumps

For Well Dewatering Applications

All Tsurumi submersible pumps include:

- ✓ Anti-wicking power cable entrance
- ✓ Internal thermal motor protection
- ✓ Double mechanical seals with silicon carbide faces
- ✓ Tsurumi Oil Lifter in the seal chamber

Casing
8"

MODEL	Output (HP)	Phase	MOTOR SPECIFICATIONS					RPM	Discharge Size (inches)	DIMENSIONS (inches)		Max. Solids Dia. (inches)	Continuous Running Water Level (in.)	Pump Weight (lbs.)	
			Rated Current (A)							Diameter	Height				
			Single Phase 115V	230V	Three Phase										
LB-480	2/3	Single	5.9	3.0	-	-	-	3525	2	7 11/16	11 1/4	0.236	2	21	
LB-800	1	Single	10.5	5.2	-	-	-	3316	2	7 9/16	13 7/16	0.236	2	29	
LBT-800	1	Three	-	-	3.6	3.7	1.7	3404	2	7 9/16	13 7/16	0.236	2	28	
LB-1500	2	Single	26.2	13.2	-	-	-	3480	3	7 3/8	23 5/16	0.236	3 1/8	72	
LBT-1500	2	Three	-	-	7.2	8.0	4.0	3515	3	7 3/8	23 5/16	0.236	3 1/8	70	
LH33.0	4	Three	-	-	12.3	12.0	6.0	4.7	3430	3	7 5/16	25 3/8	0.236	5 7/8	93
LH23.0W	4	Three	-	-	12.3	12.0	6.0	4.7	3430	2	7 5/16	24 13/16	0.236	7 7/8	101

Casing
12"

MODEL	Output (HP)	MOTOR SPECIFICATIONS				RPM	Discharge Size (inches)	DIMENSIONS (inches)		Max. Solids Dia. (inches)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
		Rated Current (A)						Diameter	Height			
		208V	230V	460V	575V							
KTV2-8	1	21.5	19	9.5	7.5	3435	3	7 7/8	16 7/16	0.334	2 1/2	25
KTV2-15	2	6.0	5.4	2.7	2.1	3440	2	9 7/16	5 9/16	0.334	3 1/8	46
KTV2-22	3	8.2	7.4	3.7	2.9	3440	2	9 7/16	16 3/8	0.334	3 1/8	51
KTV2-37H	5	14.2	12.6	6.3	5.0	3450	2	11 1/4	20 1/16	0.334	3 1/2	79
KTV2-37	5	14.2	12.6	6.3	5.0	3450	3	11 1/4	20 1/16	0.334	3 1/2	79
KTVE2.75*	1	3.4	3.2	1.7	1.3	3320	3	7 7/8	16 7/16	0.334	9 1/4†	28
KTVE21.5*	2	6.0	5.4	2.7	2.1	3440	2	9 7/16	16 3/4	0.334	10 1/2†	48
KTVE22.2*	3	8.2	7.4	3.7	2.9	3440	2	9 7/16	16 3/4	0.334	10 1/2†	55
KTVE33.7*	5	14.2	12.6	6.3	5.0	3450	3	11 1/4	23 1/16	0.334	12 7/8†	88
KTZ21.5	2	6.2	6.0	3.1	2.3	3400	2	9 1/4	25 1/2	0.334	4 3/4	77
KTZ31.5	2	6.2	6.0	3.1	2.3	3400	3	9 1/4	25 1/2	0.334	4 3/4	75
KTZ22.2	3	9.4	9.0	4.5	3.5	3410	2	9 1/4	26 5/16	0.334	4 3/4	79
KTZ32.2	3	9.4	9.0	4.5	3.5	3410	3	9 1/4	26 5/16	0.334	4 3/4	77
KTZ23.7	5	15	13.6	6.8	5.3	3410	2	11 1/8	26 1/4	0.334	5 7/8	137
KTZ33.7	5	15	13.6	6.8	5.3	3410	3	11 1/8	26 5/8	0.334	5 7/8	137
KTZ43.7	5	15	13.6	6.8	5.3	3410	4	11 1/8	27 1/16	0.334	5 7/8	137
KTZE21.5*	2	6.2	6.0	3.1	2.3	3400	2	9 1/4	28 11/16	0.334	13 5/8†	81
KTZE31.5*	2	6.2	6.0	3.1	2.3	3400	3	9 1/4	28 11/16	0.334	13 5/8†	79
KTZE22.2*	3	9.4	9.0	4.5	3.5	3410	2	9 1/4	29 7/16	0.334	14†	88
KTZE32.2*	3	9.4	9.0	4.5	3.5	3410	3	9 1/4	29 7/16	0.334	14†	86
KTZE23.7*	5	15	13.8	6.8	5.3	3410	2	11 1/8	29 7/16	0.334	17 1/8†	163
KTZE33.7*	5	15	13.8	6.8	5.3	3410	3	11 1/8	29 13/16	0.334	17 1/8†	163
KTZE43.7*	5	15	13.8	6.8	5.3	3410	4	11 1/8	30 3/16	0.334	17 1/8†	163
LH23.7	5	14.6	14.6	7.3	-	3420	3	10	31 1/8	0.334	5 7/8	200
LH25.5W	7.5	22	19.2	9.6	7.7	3385	2	9 5/8	29 1/2	0.236	6 3/4	176
LH35.5	7.5	20.5	19.4	10	-	3430	2	10	31 1/8	0.334	5 7/8	220
LH311W	15	42	37	18.5	14.5	3465	3	10 5/8	40 5/16	0.334	7 7/8	287

* E-probe models for built-in automatic operation. Pump to operate automatically in a casing or sump where traditional float switches don't fit.

E-probe models should not be used in combination with VFD's, which can cause damage to the electrode.

† Pump Starting Water Level

Casing
16"

MODEL	Output (HP)	MOTOR SPECIFICATIONS				RPM	Discharge Size (inches)	DIMENSIONS (inches)		Max. Solids Dia. (inches)	Continuous Running Water Level (in.)	Pump Weight (lbs.)
		Rated Current (A)						Diameter	Height			
		208V	230V	460V	575V							
KTV2-55	7.5	21.5	19	9.5	7.5	3435	3	11 13/16	21 7/16	0.334	3 1/2	104
KTZ35.5	7.5	21	19.7	10	7.9	3545	3	12 1/16	28 3/8	0.334	5 7/8	167
KTZ45.5	7.5	21	19.7	10	7.9	3545	4	12 1/16	28 3/4	0.334	5 7/8	170
KTZ47.5	10	29.8	27.3	13.3	10.4	3545	4	13	31 13/16	0.472	7 1/2	225
KTZ67.5	10	29.8	27.3	13.3	10.4	3545	4 (6)*	13 (14 9/16)*	31 13/16 (31 7/8)*	0.787	7 1/2	225 (222)*
KTZ411	15	39.8	37.4	18.6	14.9	3520	4	14 3/4	32 15/16	0.472	7 1/2	293
KTZ611	15	39.8	37.4	18.6	14.9	3520	4 (6)*	14 3/4	32 15/16 (33 11/16)*	0.787	7 1/2	295
KRS2-A3	3	9.4	8.6	4.3	3.4	1700	3	13 3/8	23 5/8	0.472	5 3/4	159
KRS2-B3	5	15.0	13.8	6.9	5.5	1690	3	13 3/4	26 15/16	0.472	6 1/8	196
KRS2-A4	5	15.0	13.8	6.9	5.5	1690	4	13 3/4	26 15/16	0.472	6 1/8	194
KRS2-B4	7.5	21.4	19.6	9.8	7.6	1720	4	13 3/4	26 9/16	0.472	6 1/8	209
LH47.5	10	28	26.5	13.5	-	3490	3	11 13/16	35 1/2	0.334	6 1/4	325
LH411	15	41	38.5	19.5	-	3495	4	11 13/16	35 1/2	0.334	6 1/4	345
LH615	20	53.8	48	24	19	3465	6	13	39 15/16	0.334	7 1/4	470
LH322W	30	-	-	35.5	28	3490	3	13	48 5/8	0.334	11 3/4	670
LH430W	40	-	-	48	38.5	3475	4	14 3/8	54 1/8	0.334	11 3/4	714

(*) 6 inch is optional

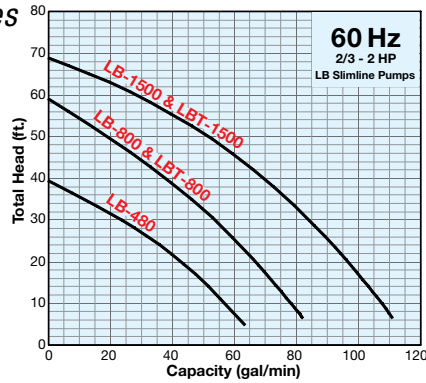


Performance Curves

Tsurumi Pump Series - LB(T) • KTV(E) • KTZ(E) • LH • LHW • KRS

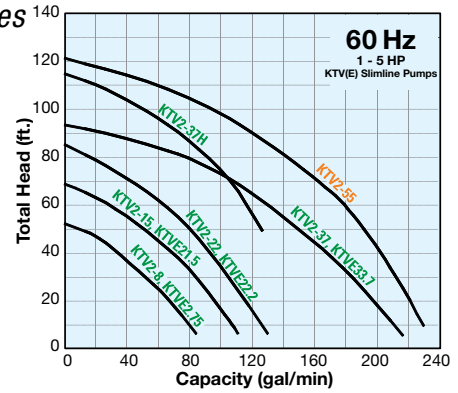
LB(T) Series

Casing
8"



KTV(E) Series

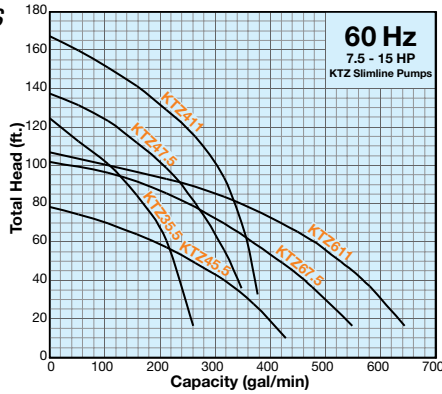
Casing
12"
Casing
16"



E-probe models for built-in automatic operation.

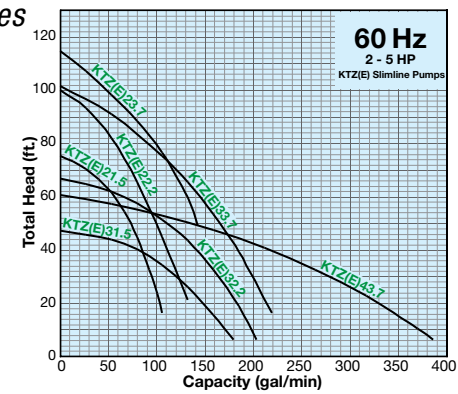
KTZ Series

Casing
16"



KTZ(E) Series

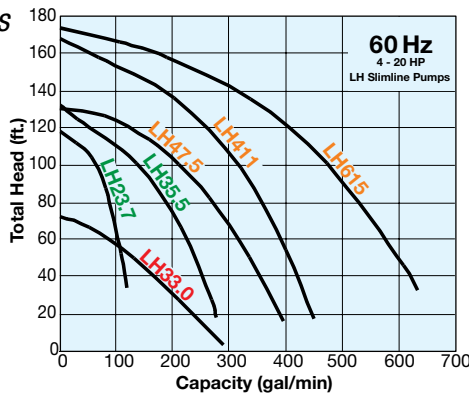
Casing
12"



E-probe models for built-in automatic operation.

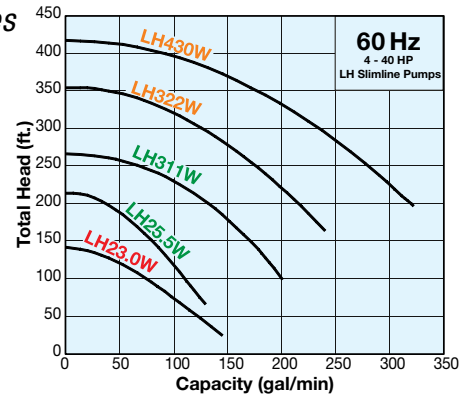
LH Series

Casing
8"
Casing
12"
Casing
16"



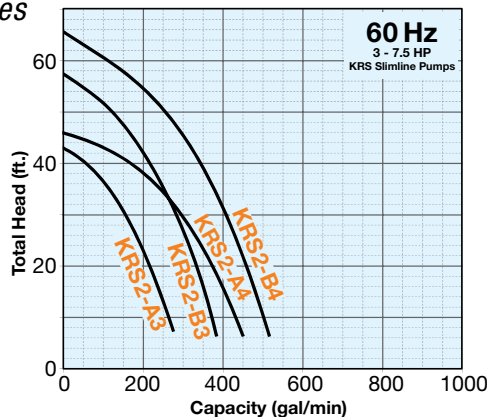
LHW Series

Casing
8"
Casing
12"
Casing
16"



KRS Series

Casing
16"



The Right Pump for Each Job

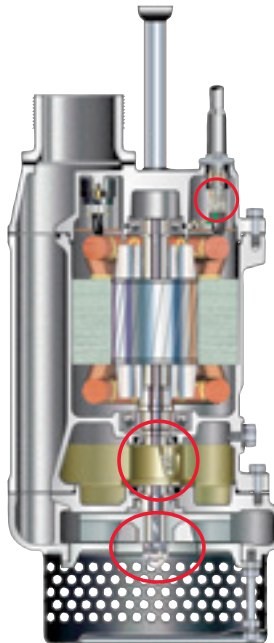
Tsurumi Pumps for Wall Dewatering



Temporary well dewatering is a technique used in construction to lower the groundwater level in an area projected for underground work such as water and sewer pipe installation, footings and foundations for building structures and even in underground mining.

Well casings are installed either by drilling or water jetting wells in which slotted steel or PVC casings are installed. Submersible pumps are then lowered into these slotted well casings and used to pump out the water which enters the wells through the slots thereby lowering the surrounding water table levels.

Excavation and trenching is then possible at levels which were previously below the water table. When the project is completed the pumps and wells are removed the ground water levels return to normal.



(Panel does not include a stand)

Tsurumi electric submersible pumps

are well suited to this application due to specific features such as anti-wicking power cable sealing and double mechanical seals which protect the electric motor from water intrusion during submergence. The heavy duty materials of construction on our pump casings, motor housings and impellers allow Tsurumi submersible pumps to last longer in harsh conditions during continuous duty operation. Special automatic water level control panels make sure the pumps run only when water is present in the well to save energy by controlling unnecessary operation. Tsurumi suspended probe style automatic panels are specifically designed to operate in the tight confines of the well casings.

Product colors may vary in actual appearance, features are highlighted for illustrative purposes.

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