

# SPECIFICATIONS - SINGLE PHASE PUMPS: LB • HS(Z) • HSE • HSD

	LB-480	LB-480A	LB-800	LB-800A	LB-1500	HS2.4S	HSZ2.4S	HS2.75S	HSZ2.75S	HS3.75S	HSZ3.75S	HS3.75SL	HSZ3.75SL	HSE2.4S	HSD2.55S			
	2" Dewatering Pump	2" Auto Dewatering Pump	2" Slimline Pump	2" Auto Slimline Pump	3" Slimline Pump	2" Sand/Solid Trash Pump	2" Auto Trash Pump	2" Sand/Solid Trash Pump	2" Auto Trash Pump	3" Sand/Solids Trash Pump	3" Auto Trash Pump	3" Sand/Solids Trash Pump	3" Auto Trash Pump	2" Trash Pump with Auto Water Level Sensor	2" Extreme Durable Sand Pump			
<b>FLUID</b>	Max. Capacity (GPM)	62.4		82		111		53		55		61		132				
	Max. Head (ft.)	39.5		59		69		39		62		62		36				
	Solid Diameter (in.)	0.236					0.276					0.393						
<b>PUMP</b>	Impeller	Semi-Vortex			Semi-Open		Semi-Vortex											
	Impeller Material	Urethane Rubber			High Chrome		Urethane Rubber							High Chrome				
	Casing Material	Ethylene Propylene Rubber		Butadiene Rubber & Natural Rubber		Butadiene Rubber & Natural Rubber & Steel		Gray Iron Casing							Ductile Iron Casing			
	Wear Plate Material	Urethane Rubber			Natural Rubber		Integral Part of Casing											
	Shaft Seal - Type / Material	Double Inside Mechanical Seal with Silicon Carbide faces on lower seals and Carbon Ceramic Faces on upper seals																
	Seal Lubricant - Type	SAE 10W/20W or Turbine Oil (ISO VG32)																
	Seal Lubricant Amount (oz.)	5.2					12.5		5.4									
	Seal Protection	V-Ring and Oil Lifter																
	Discharge Connection	2" MNPT Coupling			3" MNPT Coupling (2" is optional)		2" MNPT Coupling		2" MNPT Coupling		3" MNPT Coupling (2" optional)		3" MNPT Coupling		2" MNPT Coupling			
<b>MOTOR</b>	Motor Output (HP)	2/3		1		2		1/2		1		1		1		1/2 3/4		
	Phase	Single Phase																
	Voltage (V)	115 or 220		115		115 or 230		115 or 220		115		115 or 230		115		115		
	Amperage - Rated Current	5.9 (115V) 3.0 (220V)		5.9 (115V)		10.5 (110V) 5.2 (230V)		26.2 (115V) 13.2 (230V)		5.2 (110V) 2.7 (220V)		10.0 (115V)		9.7 (115V) 4.9 (230V)		5.2 (115V) 7.3 (115V)		
	Amperage - Starting Current	12.4 (115V) 5.9 (220V)		12.4 (115V)		20.6 (110V) 12.6 (230V)		112 (115V) 56 (230V)		12.4 (110V) 5.9 (220V)		29.7 (115V)		29.7 (115V) 18.5 (230V)		12.4 (115V) 19.0 (115V)		
	Type	Continuous Duty, Air Filled, 3600 RPM, 60Hz																
	Bearings	Double shielded, permanently lubricated, high-temp C3 with B-10 life of 60,000 hours																
	Insulation Class	E					B		E									
	Motor Protection (Built-In)	Miniature Protector		Circle Thermal Protector			Miniature Protector		Circle Thermal Protector					Miniature Protector		Circle Thermal Protector		
	Plug Configuration (Nema)	5-15P (115V) No Plug (220V)		5-15P (115V) No Plug (230V)		No Plug		5-15P (115V) No Plug (220V)		5-15P (115V) No Plug (230V)								
	Cable - # of Conductors x AWG	3C x 16AWG		3C x 14AWG		3C x 12AWG (110V) 3C x 12AQG (230V)		3C x 16AWG		3C x 14AWG					3C x 16AWG			
	Standard Cable Length (ft.)	32		50			20		32						32 32			
	Max. Cable Length (ft.)	110 (115V) 420 (220V)		110 (115V)		100 (115V) 400 (230V)		70 (115V) 160 (230V)		125 (115V) 460 (220V)		100 (115V) 430 (230V)					120 (115V) 90 (115V)	
	Recommended Generator Capacity (watts)	2700		4600		8400		2400		3700						2400 2900		
	Optional Float Switch	TS-301		N/A		TS-302 (110V) TS-303 (230V)		N/A		TS-303 (230V operation only)		TS-301 (110V)		N/A		TS-302		
<b>DIMENSION</b>	Diameter (in.)	7 3/8		8 3/4		7 9/16		8 3/4		10 1/16		13 1/2		11 7/16		13 1/2		
	Height (in.)	11 1/4		11 1/4		13 7/16		13 7/16		23 5/16		12 15/16		15 1/8		15 3/8		
	Continuous Running Water Level (C.W.L.) (in.)	2		4 1/2 (Pump Starting Water Level)		2		6 3/4 (Pump Starting Water Level)		3 1/8		3 1/2		15 1/8 (Pump Starting Water Level)		3 1/2		
Shipping Weight (lbs.)	28		29		37		38		85		30		30		50		50	

# SPECIFICATIONS - SINGLE PHASE PUMPS: LSR • LSC • NK • SQ • UT(Z) • TM(A)

	LSR2.4S	LSC1.4S	NK2-15	NK4-22	NK3-22L	50SQ2.4S	50UT2.4S	50UTZ2.4S	50UT2.75S	50UTZ2.75S	50TM2.4S	50TMA2.4S	50TM2.75S	50TMA2.75S	
	2" Ground Level Pump	1" Floor Level Pump	3" Heavy Duty High Head Pump	3" Heavy Duty High Head Pump	3" Heavy Duty High Flow Pump	2" Portable Stainless Steel Pump	2" Cast Iron Submersible Pump	2" Cast Iron Auto Submersible Pump	2" Cast Iron Submersible Pump	2" Cast Iron Auto Submersible Pump	2" Manual Titanium Pump	2" Auto Titanium Pump	2" Manual Titanium Pump	2" Auto Titanium Pump	
FLUID	Max. Capacity (GPM)	62.4	45	111	131	21	63	69	95	79	92				
	Max. Head (ft.)	39.5	39	69	85	59	34	29.5	44	44	56				
	Solid Diameter (in.)	0.236		0.334			0.236	1.4			0.394				
PUMP	Impeller	Semi-Vortex			Semi-Open	Semi-Vortex	Semi-Vortex			Semi-Vortex					
	Impeller Material	Urethane Rubber		Ductile Iron Casing		High Chrome	304 Stainless Steel	Polyphenylene			PPO Plastic				
	Casing Material	Ethylene Propylene Rubber			Cast Iron		304 Stainless Steel	Cast Iron			ABS Plastic				
	Wear Plate Material	Urethane Rubber		Integral Part of Casing		Ductile Iron Casing	304 Stainless Steel	---			---				
	Shaft Seal - Type / Material	Double Inside Mechanical Seal with Silicon Carbide faces on lower seals and Carbon Ceramic Faces on upper seals													
	Seal Lubricant - Type	SAE 10W/20W or Turbine Oil (ISO VG32)										White Mineral Oil (ISO VG32)			
	Seal Lubricant Amount (oz.)	5.1	5.2	9.1			5.4	5.4	7.8			8.1			
	Seal Protection	V-Ring and Oil Lifter													
	Discharge Connection	2" MNPT Coupling	3/4" MNPS Coupling	3" MNPT Coupling (2" optional)			2" FNPT Flange	2" MNPT Coupling			2" FNPT Flange				
	MOTOR	Motor Output (HP)	2/3		2	3	1/2	1/2	1	1/2	1				
Phase		Single Phase													
Voltage (V)		115		110 or 220	230	220	115 or 230	115	115 or 220		115 or 230				
Amperage - Rated Current		5.9 (115V)		23.0 (110V) 11.5 (220V)	11.7	13	6.5 (115V) 3.4 (230V)	5.7 (115V)	9.9 (115V) 5.2 (220V)		5.8 (115V) 2.9 (230V)		8.7 (115V) 4.6 (230V)		
Amperage - Starting Current		12.4 (115V)		141 (110V) 70 (220V)	70	70	18 (115V) 9 (230V)	11.1 (115V)	30.7 (110V) 17.6 (220V)		18 (115V) 7.9 (230V)		35 (115V) 16.7 (230V)		
Type		Continuous Duty, Air Filled, 3600 RPM, 60Hz													
Bearings		Double shielded, permanently lubricated, high-temp C3 with B-10 life of 60,000 hours													
Insulation Class		E		B	F	B	E	E			E				
Motor Protection (Built-In)		Miniature Protector		Circle Thermal Protector			Miniature Protector		Circle Thermal Protector	Miniature Protector	Circle Thermal Protector	Miniature Protector		Circle Thermal Protector	
Plug Configuration (Nema)		5-15P (115V)		No Plug			5-15P (115V) No Plug (230V)	5-15P (115V)	5-15P (115V) No Plug (220V)	5-15P (115V) No Plug (230V)					
Cable - # of Conductors x AWG		3C x 16AWG		3C x 12AWG	3C x 14AWG		3C x 16AWG		3C x 14AWG	3C x 16AWG	3C x 16AWG	3C x 14AWG		3C x 14AWG	
Standard Cable Length (ft.)		32	20	32			20		32	32					
Max. Cable Length (ft.)		110 (115V)		75 (110V) 300 (220V)	180	150	100 (115V) 380 (230V)	110 (115V)	100 (115V) 380 (220V)		45 (115V) 180 (230V)		48 (115V) 180 (230V)		
Recommended Generator Capacity (watts)		2700		7200	10000		3000	2700	4600		3000		4500		
Optional Float Switch	SLS-LSR32	SLS-LSC20	TS-304 (115V) TS-303 (220V)	TS-303		TS-301	TS-301	N/A	TS-302	N/A	TS-301	N/A	TS-302	N/A	
DIMENSION	Diameter (in.)	8 1/4	7 2/3	9 7/16	9 7/16	9 1/4	7 1/16	9 1/2	9 1/2	9 1/2	9 5/16				
	Height (in.)	11 3/8	12 7/16	24 1/2	24 3/16	26 1/2	14 5/16	13 3/4	15 3/4	16	18	14 3/16	14 3/4	14 15/16	15 1/2
	Continuous Running Water Level (C.W.L.) (in.)	0.2	0.04	3 1/4	3 1/4	4 3/4	2 3/8	11 3/4	15 3/4 (Pump Starting Water Level)	11 3/4	18 (Pump Starting Water Level)	12 3/4	23 7/8 (Pump Starting Water Level)	13 5/8	24 5/8 (Pump Starting Water Level)
	Shipping Weight (lbs.)	30	31	80	78	84	33	34	35	43	43	23	24	25	26