

LAWN SPRINKLER PUMPS

SELF PRIMING SPRINKLER PUMPS

NSPHE

Water Systems

Sump and Sewage

Lawn and Sprinkler

Electric Motor Driven

Engine Driven

Frame Mount

Hand Pumps

Irrigation and Industrial

NSPHE SERIES SPRINKLER PUMP

Designed for both high pressure and high capacity, these pumps cover a wide range of applications and are ideal for lawn or turf sprinkling and can also be used as a standby pump for fire protection.

BUILT-IN CHECK VALVE - Suction check valve facilitates priming and prevents back flow or siphoning, 1½", 2" & 2½" NPTF.

DISCHARGE - NPTF 1½" or 2".

IMPELLER - Noryl glass filled, provides smooth surface for

efficient operation, corrosion resistant, enclosed type for higher pressures; the 3 & 5 HP units have cast gray iron impellers.

SEAL - Mechanical, self-lubricating, self-adjusting for wear, no maintenance required.

CASING - Cast gray iron, large housing to assure self priming,

eliminating need for foot valve or priming device.

DIFFUSER - Cast gray iron, built-in on all models, improves pump efficiency.

MOTOR - CSA approved motors ranging in sizes from ¾ to 5 HP.

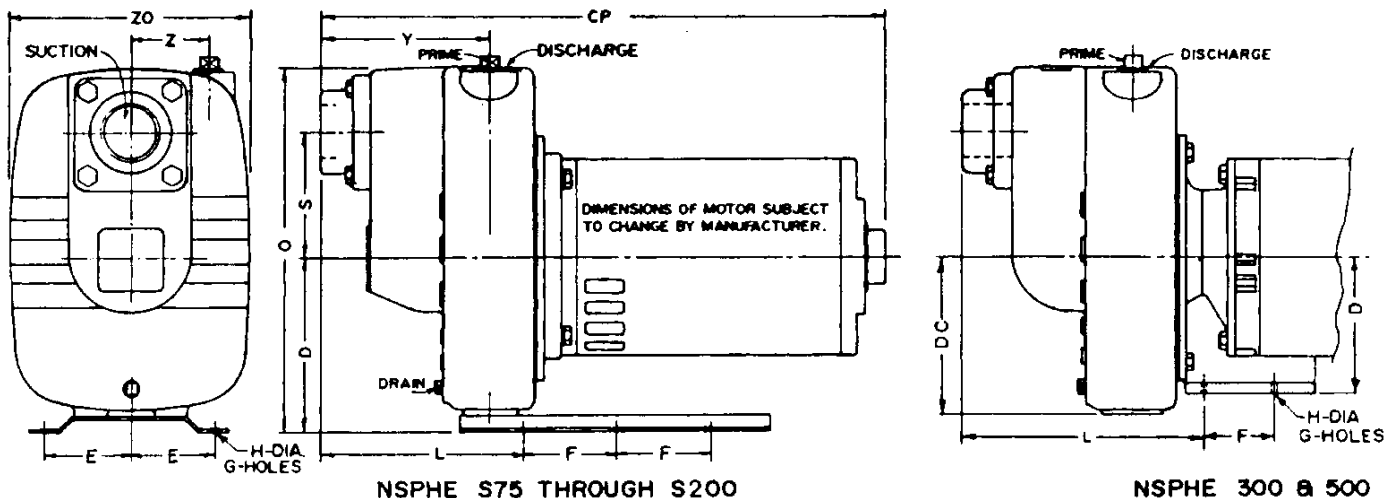
1, 1½, and 2 HP single phase are square flange jet pump motors, with **higher than NEMA service factor**.

1, 1½, and 2 HP have thermal overload protection.

3 HP and 5 HP motors are JM frame, without thermal overload protection.



Dimensions



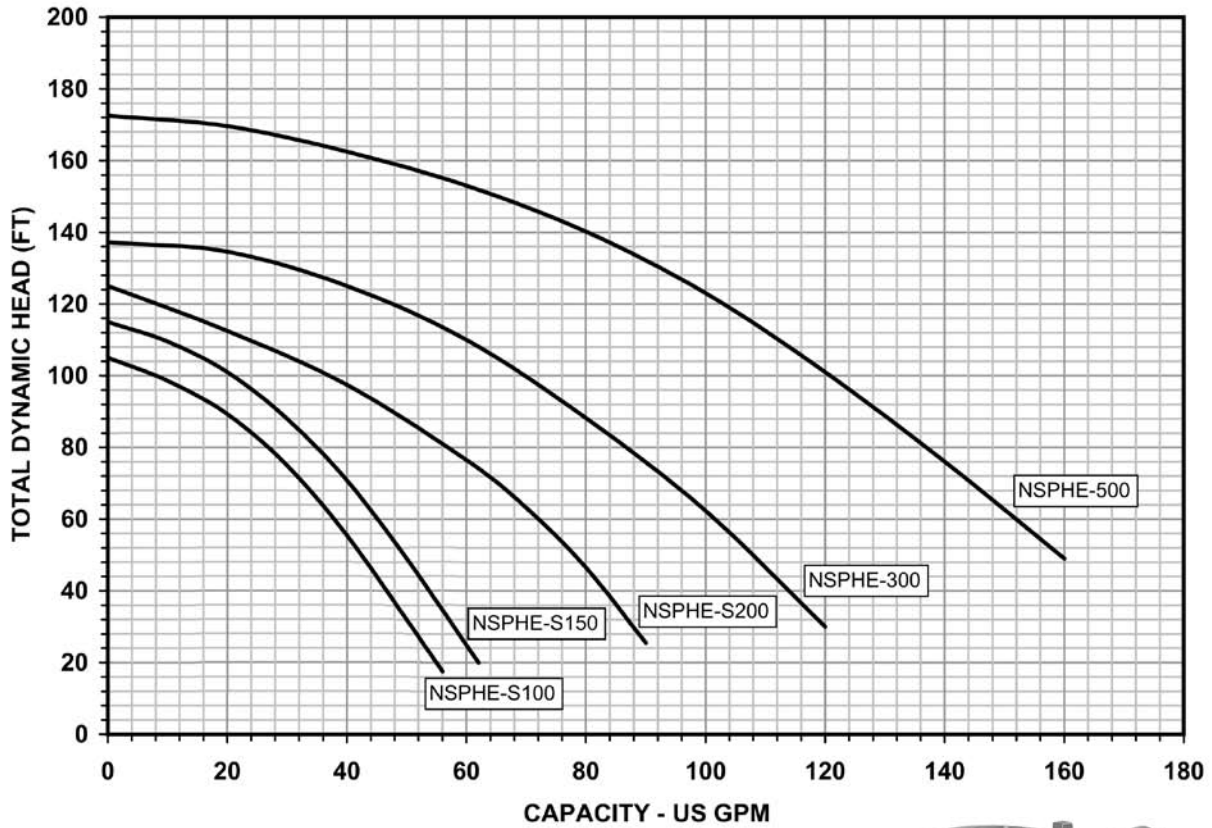
Model	Suction NPT	Discharge NPT	CP	D	DC	E	F	G	H	L	O	S	Y	Z	ZO
NSPHE-S100	1½"	1½"	18.31	5.62	-	2.75	3.00	6.00	0.44	6.31	11.87	4.12	5.56	2.50	8.12
NSPHE-S150	1½"	1½"	18.31	5.62	-	2.75	3.00	6.00	0.44	6.31	11.87	4.12	5.56	2.50	8.12
NSPHE-S200	2"	2"	20.31	6.00	-	2.75	3.00	-	0.44	7.13	14.38	5.75	6.38	3.00	9.75
NSPHE-300	2"	2"	23.25	4.50	5.00	3.75	5.00	4.00	0.44	14.75	13.25	6.00	6.38	3.00	9.75
NSPHE-300-3	2"	2"	23.75	3.50	5.56	2.75	5.00	4.00	0.38	14.50	12.00	6.00	6.38	3.00	9.75
NSPHE-500	2½"	2"	23.38	4.50	5.56	3.75	2.75	4.00	0.40	15.12	13.88	5.75	6.38	3.00	9.75
NSPHE-500-3	2½"	2"	23.38	4.50	5.56	3.75	2.25	4.00	0.40	15.12	13.88	5.75	6.38	3.00	9.75

*Dimensions measured in inches

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Performance



PERFORMANCE CHART								
Model No.	HP	Discharge Pressure in PSI at 5 ft. Lift						Max. PSI
		10	20	30	40	50	60	
Capacities in U.S. GPM								
NSPHE-S100	1	54	44	32	17	-	-	45
NSPHE-S150	1½	62	52	40	27	-	-	49
NSPHE-S200	2	92	82	64	45	17	-	54
NSPHE-300	3	124	110	95	77	54	-	59
NSPHE-500	5	170	165	146	128	109	85	74



NSPHE-300

NSPHE SERIES - ELECTRIC MOTOR DRIVEN							
Model No.	Order No.	HP	SF	Suct. NPT	Disch. NPT	Ship Wt. (lbs.)	Description
NSPHE-S100	614436	1	1.65	1½"	1½"	56	Motors up to 2 HP are single phase, capacitor start, 115/230 volt with higher than NEMA service factor, 3 HP and 5 HP single phase motors are 230 volt only, except models ending in -3, which are 3 phase 208-230/460 volt. All motors have stainless steel shafts or replaceable sleeves for shaft protection.
NSPHE-S150	614437	1½	1.47	1½"	1½"	60	
NSPHE-S200	614438	2	1.30	2"	2"	94	
NSPHE-300	614404	3	1.15	2"	2"	134	
NSPHE-300-3	614405	3	1.15	2"	2"	110	
NSPHE-500	614406	5	1.15	2½"	2"	140	
NSPHE-500-3	614407	5	1.15	2½"	2"	130	

NSPHE SERIES - LESS POWER (KITS)						
Model No.	Order No.	Frame Size	Suct. NPT	Disch. NPT	Ship Wt. (lbs.)	Description
NSPHE-S100LP	614419	56Y	1½"	1½"	25	NSPHE Series pump kits less motors, to fit 48Y square flange for ¾ HP, 56Y square flange from ¾ to 2 HP, and 145/184JM frame for 3 and 5 HP models.
NSPHE-S150LP	614428	56Y	1½"	1½"	25	
NSPHE-S200LP	614427	56Y	2"	2"	55	
NSPHE-300LP	614443	145JM/*184JM	2"	2"	60	
NSPHE-500LP	614446	184JM	2½"	2"	60	

*Single phase motor.