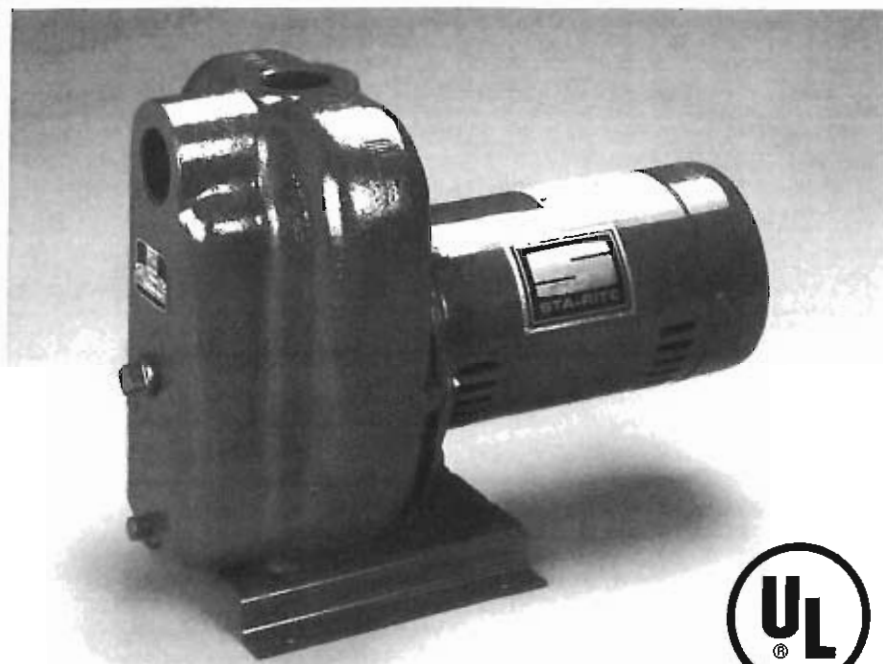


Self-Priming Centrifugal Pumps

DS2

Design Series

CENTRIFUGAL PUMPS



This product is Listed to UL Standards for Safety by Underwriters Laboratories Inc. (UL).

Fast-priming DS2 Series pumps in 1 through 2-1/2 HP models, with a low-friction Lexan® impeller. These high head pumps feature leakproof mechanical seals, easy service design, heavy-duty motors, rugged construction. Self-priming after initial filling with water.

Applications

Lawn sprinkling... pump can be safely operated by timer or other automatic device

Contractors... for dewatering excavation, jetting, water transfer and supply

Agriculture... seed bed and plot irrigation, stock watering, fire protection

Industrial... sump drainage, fire protection, marine pumping, liquid transfer and supply operations

Materials

Body and base – close-grained cast iron

Impeller – Lexan®

Diffuser – polypropylene

Shaft – stainless steel

Features

Rugged Construction – Heavy-duty motors, easy service design.

Drain Port – Provided for easy winterizing.

High Head Models – Deliver up to 145' of head with capacities to 95 GPM.

Easy Serviceability – Normal wearing parts are easily accessible for service and replacement, without disturbing piping or mounting.

Heavy-Duty Motors – Designed for continuous operation. Capacitor start, will not cause electrical interference with TV or other appliances. Nationally known motors have ball bearing, stainless steel shaft. For single and three-phase operation, 3450 RPM.

® Lexan is a registered trademark of General Electric Co.

Ordering Information

HIGH HEAD

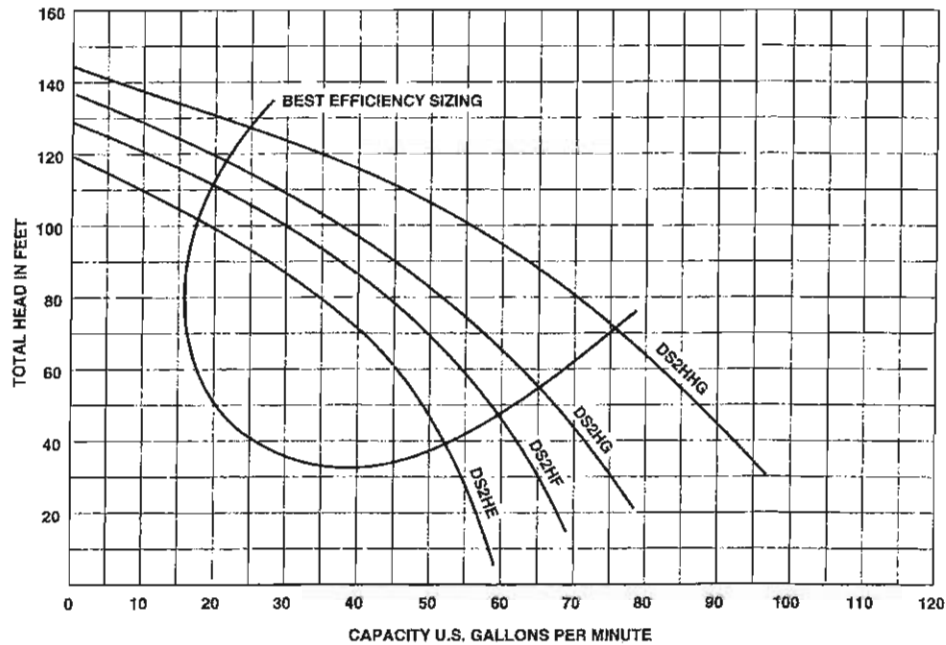
HP	Catalog No.	Pipe Tapping Sizes		Motor Voltage	Phase	Approx. Wt. Lbs.
		Suct.	Disch.			
1	DS2HE	2"	1-1/2"	115/230	1	73
1	DS2HE3	2"	1-1/2"	208/230/460	3	73
1-1/2	DS2HF	2"	1-1/2"	115/230	1	79
1-1/2	DS2HF3	2"	1-1/2"	208/230/460	3	79
2	DS2HG	2"	2"	230	1	91
2	DS2HG3	2"	2"	208/230/460	3	91
2-1/2	DS2HHG	2"	2"	230	1	93
2-1/2	DS2HHG3	2"	2"	208/230/460	3	93



STA-RITE. Built On Commitment.

Self-Priming Centrifugal Pumps

Pump Performance



Pump Performance

HP	Cat. No.	Disch. Pressure		Suction Lift in Feet				
		PSI	Feet Head	5'	10'	15'	20'	25'
				Gallons Per Minute				
1	DS2HE	20	46.2	46	43	41	38	35
		30	69.3	35	32	29	25	21
		40	92.4	19	15	10	—	—
1-1/2	DS2HF	20	46.2	55	53	51	49	46
		30	69.3	45	42	39	36	32
		40	92.4	31	27	22	18	12
2	DS2HG	20	46.2	64	62	59	57	51
		30	69.3	53	50	47	44	38
		40	92.4	38	35	31	26	20
		50	115.5	19	13	—	—	—
2-1/2	DS2HHG	20	46.2	76	70	65	59	46
		30	69.3	63	57	51	42	23
		40	92.4	48	38	23	—	—
		50	115.5	23	10	—	—	—

Tested and rated in accordance with Water Systems Council Standards.

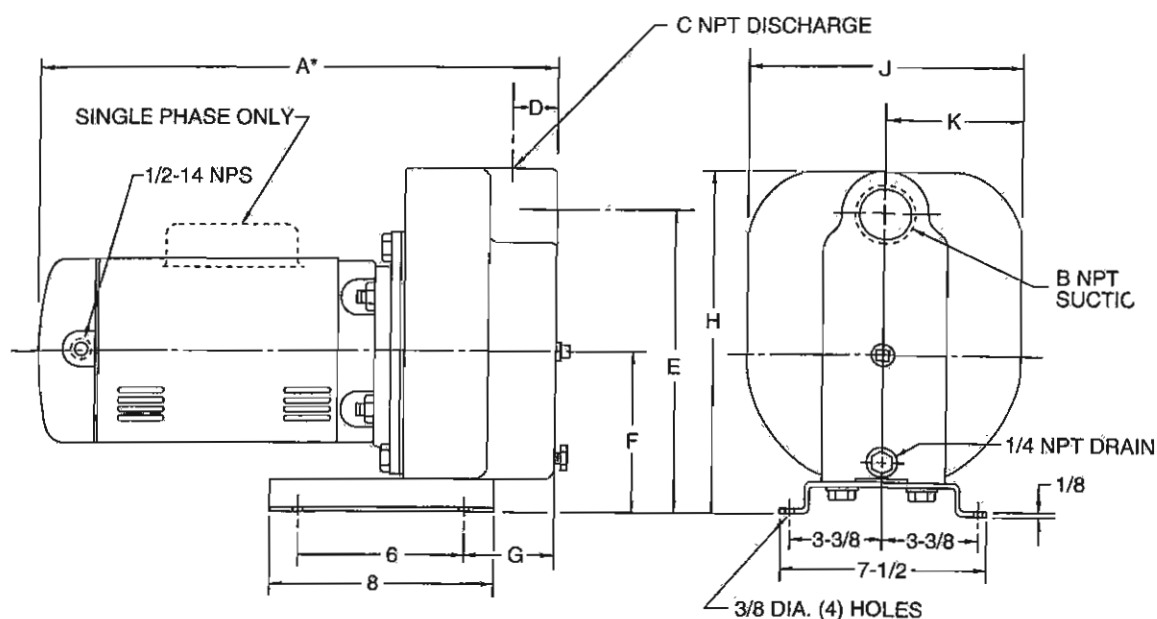
NOTE: Pumps installed with a CON-AIRE® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

Specifications are subject to change without notice.



DS2

Design Series



Dimensions (in inches) are for estimating purposes only.

HIGH HEAD (Dimensions in Inches)

Cat. No.	HP	A*	B Suction	C Discharge	D	E	F	G	H	J	K
DS2HHG	2-1/2	19-7/8	2	2	4-1/4	12-11/16	6-7/16	3-5/8	14-3/16	11	5-1/2
DS2HG	2	18-7/8	2	2	4-1/4	12-11/16	6-7/16	3-5/8	14-3/16	11	5-1/2
DS2HF	1-1/2	17-1/2	2	1-1/2	3-7/8	11-1/8	5-7/8	3-1/8	12-5/8	10	5
DS2HE	1	16-5/8	2	1-1/2	3-7/8	11-1/8	5-7/8	3-1/8	12-5/8	10	5

*Overall length (A) shown for single phase motors. Three phase motors are slightly smaller. Dimensions are for estimating purposes only.