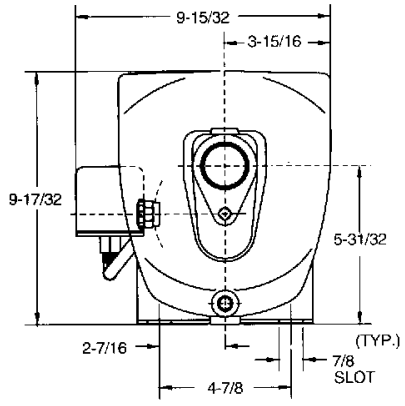
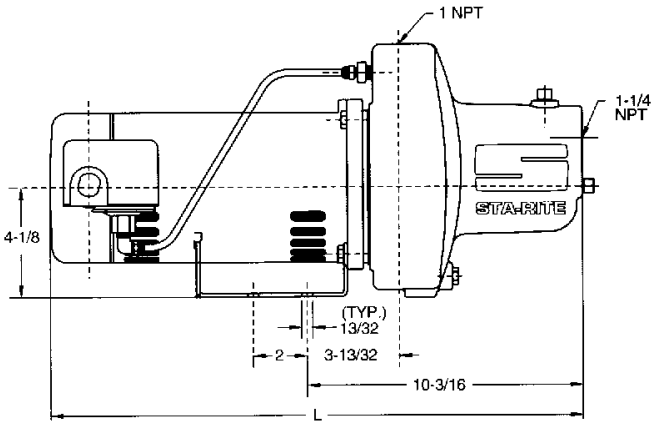
Self-Priming Cast Iron Shallow Well Jet Pumps

SN
Design Series

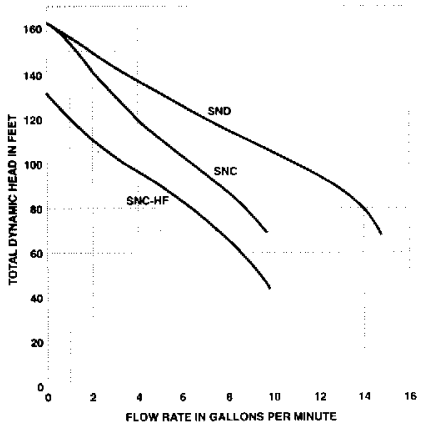




Cat. No.	L
SNC	19.1
SND	19.7

Dimensions (in inches) are for estimating purposes only.

Pump Performance



2.31 FT. OF HEAD = 1 PSI
1 FT. OF HEAD = .433 PSI

Pump Performance

(Capacity in Gallons Per Minute)

HP	Cat. No.	Disch. Pressure PSI	Dynamic Suction Lift 5'	10'	15'	20'	25'	Shut Off Pressure PSI
1/2	SNC-HF25L	20	13.7	12.3	10.6	8.8	6.3	56
		30	11.8	10.6	9.3	8.2	6.2	
		40	7.2	6.3	5.2	4.0	2.4	
1/2	SNC	30	9.7	8.3	7.4	5.9	4.3	70
		40	7.9	7.2	6.4	5.6	4.1	
		50	4.5	3.8	3.1	2.7	1.8	
3/4	SND	30	15.0	13.0	11.6	8.7	6.9	70
		40	12.5	11.4	10.1	8.2	6.8	
		50	8.0	6.8	6.1	4.8	3.5	

Pump will operate at all depths shown, with pressure switch set at 30-50 PSI.

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.

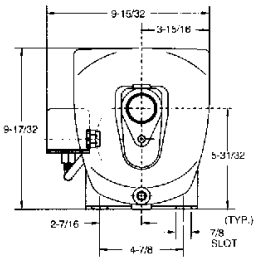
Specifications are subject to change without notice.

Self-Priming Cast Iron Shallow Well Jet Pumps

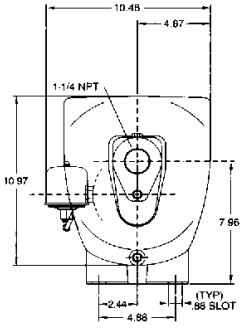
HN
Design Series

Dimensions (in inches) are for estimating purposes only.

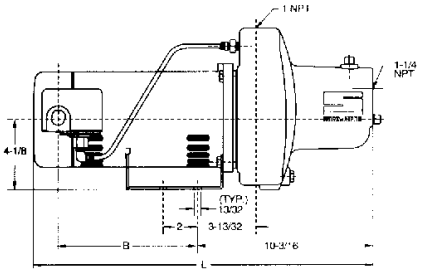
Cat. No.	L	B
HNC	19.7	8.1
HND	22.3	8.0
HNE	23.4	9.0

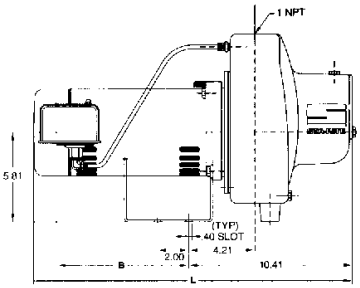


HNC

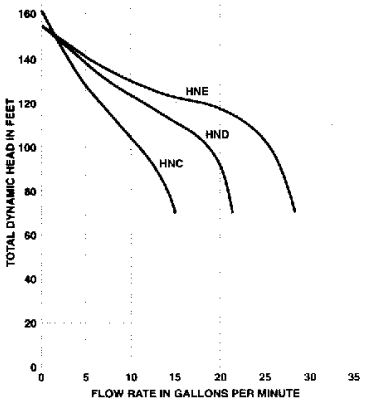


HND and HNE





Pump Performance



2.31 FT. OF HEAD = 1 PSI
1 FT. OF HEAD = .433 PSI

Pump Performance

(Capacity in Gallons Per Minute)

HP	Cat. No.	Discharge Pressure PSI	Dynamic Suction Lift 5'	10'	15'	20'	25'	Shut Off Pressure PSI
1/2	HNC	30	15.0	13.0	11.6	8.7	6.9	70
		40	12.5	11.4	10.1	8.2	6.8	
		50	8.0	6.8	6.1	4.8	3.5	
3/4	HND	30	21.4	19.1	16.5	13.3	9.5	67
		40	20.8	18.7	15.8	13.2	9.3	
		50	13.5	11.6	10.1	7.4	2.4	
1	HNE	30	28.5	25.0	21.4	17.4	12.6	67
		40	28.3	24.4	21.0	17.2	12.3	
		50	21.5	18.3	10.9	3.1	1.6	

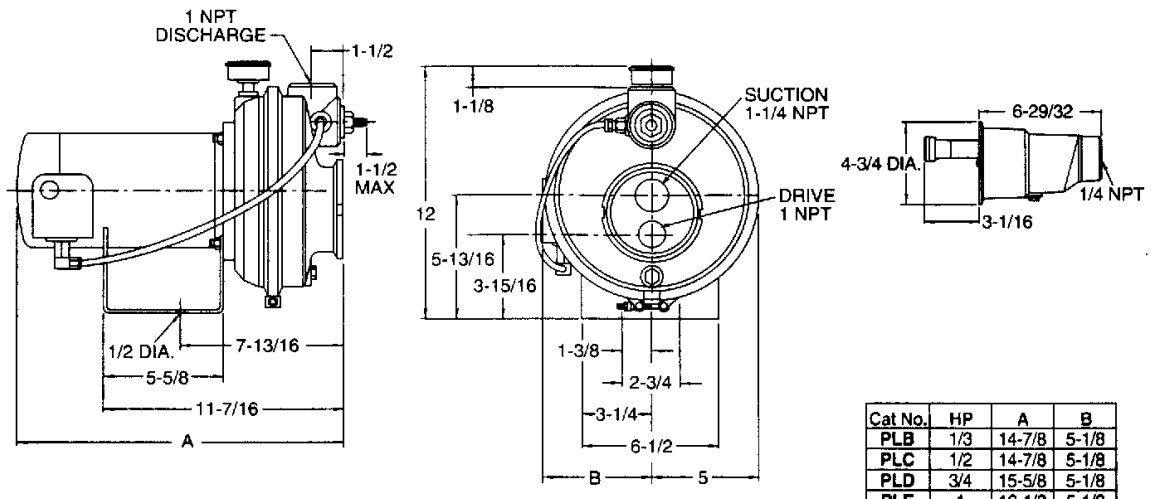
Pump will operate at all depths shown, with pressure switch set at 30-50 PSI.

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.

Convertible Deep Well Jet Pumps



Cat No.	HP	A	B
PLB	1/3	14-7/8	5-1/8
PLC	1/2	14-7/8	5-1/8
PLD	3/4	15-5/8	5-1/8
PLE	1	16-1/8	5-1/8
PLF	1-1/2	17-1/8	5-7/16

Dimensions (in inches) are for estimating purposes only.

Pump Performance

Shallow Well*

HP	Cat. No.	S.W. Jet No.	Press. Switch Setting	Dynamic Suct. Lift Ft.	Discharge Pressure — PSI					Shut Off Press. PSI
					20	30	40	50	60	
					Capacity — Gallons Per Minute					
1/3	PLB	21N	30-50	5'	8.5	8.3	8.2	5.2	2.7	72
				10'	7.3	7.2	7.2	4.7	2.2	70
				15'	6.3	6.2	6.2	4.0	1.7	68
				20'	5.0	5.0	5.0	3.3		66
				25'	3.8	3.8	3.8	2.8		62
1/2	PLC	21N	30-50	5'	9.5	9.2	9.0	5.8	3.0	72
				10'	8.2	8.0	7.8	5.2	2.3	70
				15'	7.2	6.8	6.8	4.5	1.8	68
				20'	5.7	5.7	5.7	3.8		66
				25'	4.3	4.3	4.3	3.2		62
3/4	PLD	22N	30-50	5'	16.2	15.8	15.3	8.7	1.3	62
				10'	14.2	14.0	13.8	7.2		60
				15'	12.2	12.0	11.8	5.3		58
				20'	9.7	9.7	9.2	3.7		55
				25'	7.2	6.8	6.8			52

CONTINUED ON NEXT PAGE.

PL
Design Series

Pump Performance

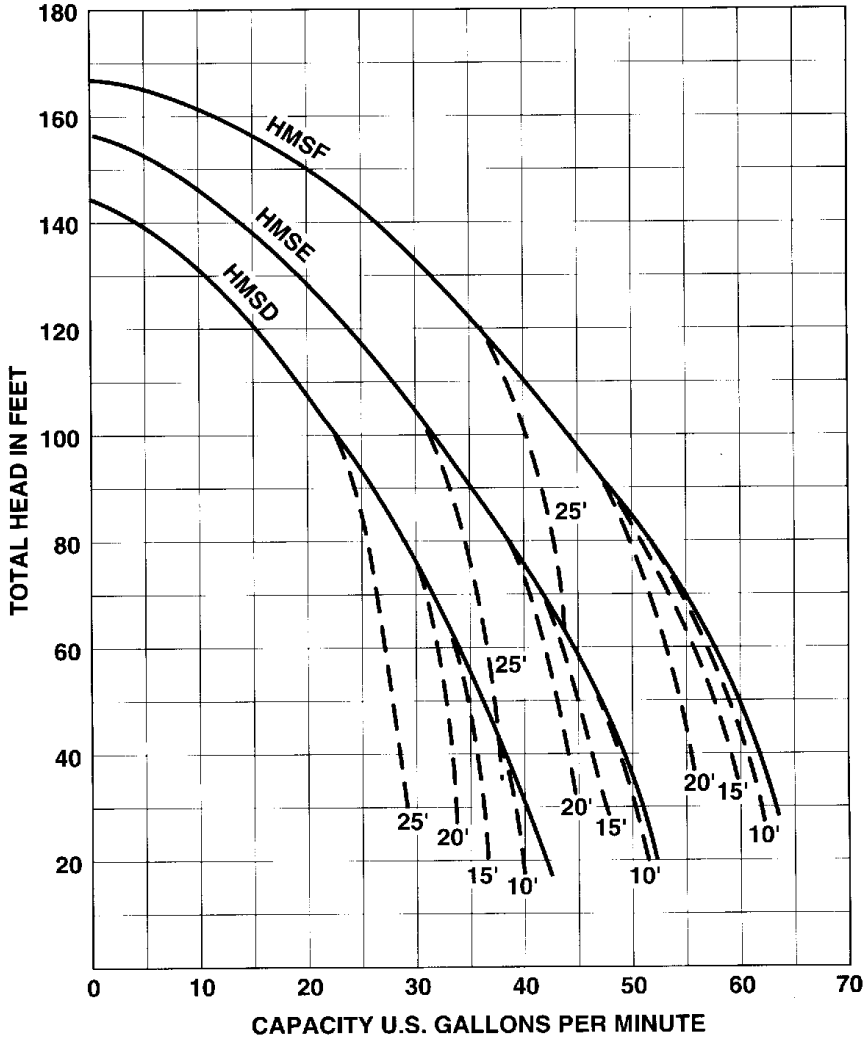
Shallow Well*

HP	Cat. No.	S.W. Jet No.	Press. Switch Setting	Dynamic Suct. Lift Ft.	Discharge Pressure — PSI					Shut Off Press. PSI
					20	30	40	50	60	
					Capacity — Gallons Per Minute					
1	PLE	23N	30-50	5'	21.3	21.0	20.7	13.2	4.2	62
				10'	18.8	18.7	18.3	11.1	1.7	60
				15'	16.0	15.8	15.7	8.9		58
				20'	12.8	12.7	12.3	5.7		55
				25'	8.5	8.5	8.5			52
1-1/2	PLF	24N	30-50	5'	26.3	26.2	26.2	21.3	7.7	64
				10'	23.7	23.3	23.2	19.2	3.5	62
				15'	20.3	20.2	20.0	16.3		60
				20'	16.2	16.0	15.8	11.2		57
				25'	11.5	11.3	11.3			54

*** For Deep Well Performance – See below and next four pages.** Tested and rated in accordance with Water Systems Council standards.

Horizontal Multi-Stage Jet/Centrifugal Pumps

Centrifugal Performance



NOTE: Dotted lines indicate performance reduction at high suction lift.

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.