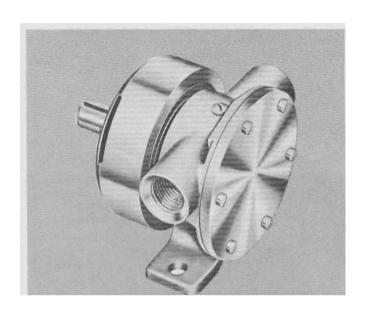
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MODELS 1673-0001 (Lip Seal) 1673-9001 (Face Seal)

PRODUCT DATA

JABSCO® PUMPS

Self-Priming Pumps



Other JABSCO models are also available In bronze, plastic, cast Iron and slainless steel. JABSCQ Pureflo pumps are also available lor sanitary applications.

DESIGN FEATURES

Body: Bronze

Impeller: Neoprene, Nitrile or Polyurethane

Shaft: Brass with Face Seal

Stainless Steel with Lip Seal

Shielded Ball Bearing

Shaft seal: Mechanical Face Seal or Lip Seal

Ports: ½" NPT

Bearings:

Weight: 41/4 lbs. (2 kg,) approx.

VARIATIONS AVAILABLE

MODEL VARIATIONS INCORPORATED

1673.9051 Half Thickness Cam-Face Seal

(Where reduced capacity is required with

a fixed speed)

1673.9003 Nitrile Impeller-Face Seal

(Oil Resistant)

1673-0003 Nitrite Impeller-Lip Seal

(011 Resistant)

1673-0007 Polyurethane Impeller-Lip Seal

(Handles certain dry cleaning solutions, chlorinated glues and refrigeration coil

cleaners)

APPLICATIONS & OPERATING INSTRUCTIONS

MARINE: Pumping bilges, Washdowns, Circulating water in bait tanks, Utility dock side pump, Engine cooling.

INDUSTRIAL: Circulating and transferring, Velocity-mixing, Pumping machine tool coolants, Return spill, Sump drainage, Chemicals, Pharmaceuticals, Soap, Liquors, Ink, Dyes, Alcohol, Various acids, Tanning liquors, Glycerine, Brine, etc.

FARMING: Pumping water for slock, Pumping water from shallow wells and cislerns. Pumping liquid ballast into tractor tires.

PLUMBING & HOME EMERGENCY USE: Pumping out flooded basements, Cesspools, Sumps, Water heaters and water closets, Drains and sinks, Draining fishponds and pools.

 INSTALLATION-Pump may be mounted in any position. Intake and discharge ports are determined by the direction of shaft rotation (refer to Dimensional DraWing). Before installing, turn the pump shalt in the direction of the operating rotation.

2. DRIVE-Belt or Direct with flexible coupling.

CAUTION: Do not press a pulley or coupling on the shaft without supporting the shaft to prevent movement of the shaft into the Impeller bore.

Belt Drive-Overtight belt load will reduce pump bearing life. Direct Drive- Clearance should be lell between drive shaft and pump shaft when installing coupling. Always mount and align pump and drive shaft before tightening the coupling set

3. SPEEDS-100 RPM to the maximum shown in the performance

table. Consult the factory for operation at speeds above those shown. For longer pump life, operate at lowest possible speeds.

- SELF-PRIMING-Primes at low or high speeds. For vertical dry suclion lift of 10 feet (3m) a minimum of 800 RPM is required. Pump will produce suction lift up to 22 feet (6m) when welled. BE SURE SUC-TION LINES ARE AIRTtGHT OR PUMP WILL NOT SELF-PRIME.
- RUNNING DRY-Unit depends on liquid pumped for lubrication. DO NOT RUN DRY for more than 30 seconds. Lack of liqUid will burn the impeller.
- CAUTION If pumping light fraction petroleum derivatives. solvents, thinners, highly concentrated or organic acids. consult Jabsco "Chemical Resistant

(continued)



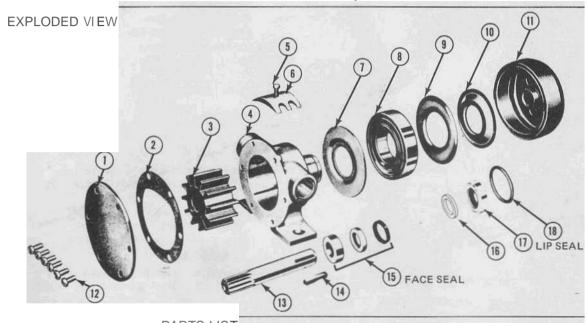
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OPERATING INSTRUCTIONS (Cant.)

Table" for proper body materials and impeller compounds. If corrosive fluids are handled, pump life will be prolonged. if flushed with water after each use or after each work day.

- PRESSURES Consult Head Capacity Table for recommended maximum for continuous operation. If pressures exceed those shown, consull the factory.
- 8. TEMPERATURES-

- Neoprene $4\text{So} \cdot 180\text{oF}$ $(7^{\circ}-82^{\circ}\text{CI}$ Nitrile $50^{\circ} \cdot 180^{\circ}\text{F}$ $(10^{\circ}-82^{\circ}\text{C})$ Polyurethane $45^{\circ} \cdot 120^{\circ}\text{F}$ $(70_{-}49^{\circ}\text{CI})$
- FREEZING WEATHER-Drain unit by loosening end cover. The following anti-freeze compounds can be used without any adverse effects to the neoprene impeller: Atlas "Permaguard", DuPont "Zarex" and "Telar", Dow Chemical "Oowguard" and Olin Mathison "Pyro Permanent". Most Methyl alcohol
- (methanol) based anti-freeze can be used with neoprene. DO NOT USE PETROLEUM BASED ANTI-FREEZE COMPOUNDS OR RUST INHIBITORS.
- GASKET-Use a standard pump part. Thicker gasket will reduce priming ability. A thinner gasket will cause the impeller to bind. Standard gasket is .010" thick.
- SPARE PARTS-To avoid costly shut downs, keep-a JABSCO Service Kit on hand.



		PARTS LIST					
		1673-9001 Face SuI versions	1673-0001 Lip Sui veions				
KEY	DESC RIPTION	PART NUMBER	PART NUMBER	QTY.			
,	End Cover Standard Nitrile version Polyurethane version Half-Cam version	1743-9000 1743-9370 	1743-0000 1743-0370 1743-0860	1			BEARING SHIELD
7	'Gasket Standa'd HIIi-Cam version	1835-0000 2436-0000	1835-0000	1		∠ BODY	BALL BEARING ROTATING SHIELD
,	'Impeller Neop.ene Nitrile Polyurethane	1210-0001 1210-0003	1210-0001 1210-0003 1210-0007	1	5	3 00	STATIONERY SLINGER BEARING HOUSE
•	,3y	9094-0000	9094-0000	1			
5	Screw (Cam) Standard Half-Cam version	91003-0010 91003-0090	91003-0010	1			SHAFT
7	Cam—Standard Plastic Opllona!_B.u. Half-Cam—Brass	490-0000 490-000 2434-0000	490-0004	1	4		- "
_ *	Bearing Shield	3078-0000	3078-0000	1			
7	Ball Bearing	92600-0330	92600-0330	7			
7	Rotating Shield	1161-0000	1161-0000	1			
10	Stationary Silnge.	1554-0000	1554-0000	1			
11	Bearing Housing	1740-0000	1740-0000	7		Cros	ss Section
12	Screw (End Cover)	91003-0010	91003-0010	7		to sho	ow relative
13	Shaft	1737-0410	1737-0240	7			n of bearing
14	Key	9215-0010	9215-0010	1			linger parts
15	'Sllal Face	96080-0080		1		and 3	illiger parts
16	Spacer		3166-0000	,			
17	'Seal Lip	excelled and	92700-0060	1			
18	1" 'O" Ring		92000-0210	1			
	Service Kit Neoprene NII"le Impelle. Polyu.ethane Impeller	90119-0001 90119-0003 —	90015-0001 90015-0003 90015-0007				
■Pin"	supplied In Service KI for	OI Models prior to Feb. 25, 1964					

SERVICE INSTRUCTIONS

DISASSEMBLY

TO CHANGE IMPELLER, FOLLOW STEPS 1 & 2.

- 1. Remove end cover screws, end cover and gasket.
- Remove impeller by grasping hub with water pump pliers.
- 3. Loosen cam screw and remove cam (clean off Permatex).
- 4. Remove key from shaft.
- Remove bearing housing from bearing (requires arbor press, gear puller and hand torch) by heating housing uniformly to 325"F. Housing will expand and may be lifted off of the bearing.
- 6. Supporting bearing housing on internal hub, press shaft

TO CHANGE SEAL, FOLLOW STEPS 1, 2, 5, 7 & 11.

- out of bearing housing. Press on drive end. Do not press shaft splines through the housing.
- Face seal version only: Remove seal seat assembly from shaft.
- a. Remove stationary slinger and rotating shield.
- 9. Remove bearing from body with gear puller.
- 10. Remove bearing shield from body.
- 11. Remove seal assembly from seal bore by pressing from bearing end toward impeller bore.

Note: Inspect all parts for wear or damage and replace if necessary.

ASSEMBLY

TO INSTALL NEW IMPELLER, FOLLOW STEPS 8 & 9.

- With bearing shield between bearing and body, press bearing on body. Press on inner race of bearing. (Rel. cross section.)
- Install rotating shield against bearing and press stationary slinger on body. (Ref. cross section.)
- Press shaft Into bearing housing. Support housing and press keyway end through shall hole in bearing housing.
 Note: When Installing shaft into a used bearing housing always use the knurled replacement shaH available (::1737-0410 or #1737-0240.)
- 4. Heat bearing housing and shaft assembly uniformly to 325"F. and install over bearing and body assembly. Note: Housing will shrink immediately upon contact with bearing, therefore, it must be positioned ("bollomed") quickly.
- 5. Install seal seal assembly on shaft against bearing hous.

TO INSTALL NEW SEAL. FOLLOW STEPS 4, 5, 6, 8 & 9.

- ing hub (gasket toward hub). Lubricate gasket with water 10 facilitate assembly. (Model 1673-9001)
- 6. Install seal assembly into seal bore (as applicable: Lip of lip seal facing impeller bore, or carbon face of face seal toward seal seat). Use care to press on outer most edge of seal case face 10 prevent damage to seal. Seal must be flush with back surface of Impeller bore to insure proper sealing, for face seal version. Lip seal may be positioned in seal bore to clear worn area of shaft.
- Permatex screw threads and top side of cam and install in body with cam screw.
- a. Lubricate impeller bore with a light coat of Marfak 2HD grease or equivalent and start impeller into bore with a rotary motion in the intended direction of rotation until splines engage, then pUsh inlo bore.
- Install gasket and end cover and secure with end cover screws.

DIMENSIONAL DRAWING 41/2" 41/8" (114){10S} (52)X 3/16" X 3/4" KEY (15.88) .625 DIA (15,85) .624 (97) PORTS 1/2" NPT 15/16" (64) (49)(38) 33/4" (S6)(4,8)(76) (13) (48) (30) 13/32" DIA. 2 PLACES (95)(10)(MILUMETER EQUIVALENTS)

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HEAD CAPACITY TABLES

16730001 & 1673 9001 NEOPRENE

					10/300	001 🛭	10/3 9001	NEO	PRENE							
TOTAL	HEAD	500 RP	M 1160	RPM	1750 l	RPM	2100 I	RPM	2450 I	RPM	2150	R		M	3600	RPM
P.S.I.	Ft. of	GPM	HP GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP.	GPM	1! HP
(kg/sq cm)	Water (meter)	(l/min)	(l/min)		(l/min}		Cl/min)		(l/min)		Il/min)		{1/min}		(L/min)	
4.3	10	3.0	1/6 7.6	1/4	11.0	1/4	13.0	1/3	15.2	112	16.7	1/2	lB.O	1/2	19.6	5; 3/4
(,3)	(3)	(11,3)	(28,7)		(41,6)		(49,2)	1.0	(57,5)		(63,2)		(68,1)	1.0	(74.2)	
B.7 (,6)	20 (6)	1.8	1/6 6.4 (24,2)	114	10.0	1/4	11.5 (43,5)	1/3	13.7 (51 ,B)	112	15.4 (5S,3)	112	17.0 (64,3)	1/2	1S.S (71,1)	3/4
13.0	30		4.\$	1/4	B.5	1/3	10.0	_1/2	12.0	1/2	13.6	3/4	15.3	3/4	17.5	3/4
(,9) 17.3	(9)		(18,2)	1/4	(32,2)	1/3	(37,8)	1/2	(45,4) 10.4	1/2	(51,5) 12.0	314	(51,9) 13.5	1 3/4	(66,2)	- _T
(1,2)	(12)	-	- (12,5)	1/4	(25,3)	1/3	(32,2)	1/2	{39,3)	1/2	(45,4)	314	(51.1)	1 3/4	16.0 (60 ,5)	, I
21.6	50		Ι		5.0	1/2	6.7	112	-S.5	314	10.0	3/4	11.8	3/4	14.5	1
$\frac{(1,5)}{26.0}$	(15)	-		-	_ 118,9)		(25,3) 5.0	If2	(32,2) 7.0	314	(31,8) B.3	314	10.0	3/4	13.0	1
(1,8)	(lS)	_	_	_	_		(18,9)	_	(26,5)	211	(31,4)		(31,S)	3/ 1	(49,2)	
30.3	70 (211			******					,		6.5	3/4	8.0	1 I "	1 11.0 (41.S)	. 1
{2,11 (211 (24,6) 130,3) (41,S)																
TOTAL I	HEAD	500 RPM	1160F	RPM	1760 I		2100 F		2450 F	RPM	2750 1	RPM	3000	RPM	3600	RPM
P.5.1.	Fl. of Water	GPM H	GPM GPM	H'	GPM	H'	GPM	HP	GPM	H'	GPM	HP	GPM	HP	■ GPM	H'
(kg/sq em)	(meter)	(l/minl	(Lfmin)		IL/min)		(L/min)		(L/min)		(L/min)		(L/min)		(l/min)	
1.3	10		iB 5.B	1/6	9.5	<i>//′</i>	11.5	113	13.3	√2	15.0	112	16.0	112	18.2	3/'
(,3) 8.7	131 20	(B,3)	(21,9)	1/6	(35,9) 7.6		(43,5) 9.'	1/2	(50,3) 11.4	1/2	(56,B1 13.0	j 1/2	(60,5) 14.4	1 1/2	(68,9) 17.0	
(,6)	1SI		- (16,3)	\/6	(28,7)	1/3	{35,6}	1/3	(43 1)		(49,2)	J 1/2	(54,5)	1/2	(64,3)	3/'
13,0 191	30 (9)	- 5	(9,4)	1/6	6.0 (22,7)	\/3	7.4 (28,0)	1/2	9.3 (35,2)	1/2	11.0 (41.6)	1/2	12.6	3/'	15.3 (57,9)	, 3/4
17.3	'0				1.2	1/2	1.6	112	7.5	1/2	9.2		10.8	3/'	13.6	1
(1,2)	(12)	_	-		(15,9)	1/2	(21 21	112	(28,4)	1/2	(34,8)	3/'	(40,9)		(51,5)	10000
21.6 11,51	50 (15)				-		3.9 (14 71	112	5.7 (21,6)	3/'	7.2 (27,2)	7	9,0 (34,0)	3/4	11.7 (42,31	1
26.0	60					_			()-)		5.5	3/'	<i>i,l''</i> {26,9	3/4	9.7	1
(1,8)	(1B)															
111,101	(D)										{20,B)	-,	{26,9	1 3/4	(36,7)	1
		#00 PP1					LF CAM						{26,9	1 3/4	(36,7)	1
TOTAL	HEAD	500 RPM			1750	RPM	2100 I	RPM	2450 I		2750	RPM	3000	RPM		1
	HEAD Ft. of	500 RPM GPM H		RPM H'						RPM H'					(36,7) GPM	H'
TOTAL P.S.1.	HEAD			Η'	1750	RPM	2100 I	RPM	2450 I		2750	RPM HP	3000	RPM HP		
TOTAL P.S.1. (kg/sq em) 4.3	HEAD Ft. of Watel {meter}	GPM H (1/min) 1.6	(L/min)	Η'	1750 I GPM (L/min) 6.3	RPM H'	2100 I GPM (L/min) 7.7	RPM	2450 I GPM (L/min) 9.0	Н'	2750 GPM (L/min) 10.1	RPM HP	3000 GPM (1/minl 11.0	RPM HP	GPM (L/min) 13.1	
TOTAL 1 P.S.I. (kg/sq em) 4.3 (,3)	HEAD Ft. of Watel {meter} 10 131	GPM H (1/min) 1.6 (6,1)	(L/min) (L/min) 1/6 4.1 (15,5)	H'	1750 I GPM (L/min) 6.3 (23,8)	RPM H' ///	2100 I GPM (L/min) 7.7 (29,1)	RPM H' _I	2450 I GPM (L/min) 9.0 (34,0)	H'	2750 GPM (L/min) 10.1 (38,2)	RPM HP	3000 GPM (1/minl 11.0 (41,6)	RPM HP I	GPM (L/min) 13.1 (49,6)	1 3/4
TOTAL P.S.1. (kg/sq em) 4.3 (,3) 8. 161	HEAD Ft. of Watel {meter} 10 131 20 ISI	GPM H (1/min) 1.6 (6,1)	(L/min)	Η'	1750 I GPM (L/min) 6.3	RPM H'	2100 I GPM (L/min) 7.7	RPM H' _I	2450 I GPM (L/min) 9.0	Н'	2750 GPM (L/min) 10.1	RPM HP	3000 GPM (1/minl 11.0	RPM HP	GPM (L/min) 13.1 (49,6)	
TOTAL P.S.1. (kg/sq em) 4.3 (,3) 8. 161 13.0	HEAD Ft. of Watel {meter} 10 131 20 ISI JO	GPM H (1/min) 1.6 (6,1) 1.2	(L/min) (L/min) 1/6 4.1 (15,5) 3.6 (13,6) 3.1	H'	1750 I GPM (L/min) 6.3 (23,8) 5.B (22 0) 5.0	RPM H' ///	2100 I GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2	RPM H' _I	2450 I GPM (L/min) 9.0 (34,0) 8.' [31,8] 7.6	H'	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6	RPM HP	3000 GPM (1/minl 11.0 (41,6) 10.2 (3B,6) 9.4	RPM HP 112 1/2 1/2	GPM (L/min) 13.1 (49,6) 12.3 (46,51 11.3	1 3/4
TOTAL P.S.1. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3	HEAD Ft. of Watel {meter} 10 131 20 ISI JO 191 40	GPM H (1/min) 1.6 (6,1) 1.2	(L/min) (L/min) (1/6 4.1 (15,5) (1/6 (13,6)	H' 1/6 1/6	1750 I GPM (L/min) 6.3 (23,8) 5.B (22 0)	H' H' H' 11' 11' 1/3	2100 I GPM (L/min) 7.7 (29,1) 7.0 (265)	RPM H' _I 1/3 1/3 \(\forall 3\)	2450 I GPM (L/min) 9.0 (34,0) 8.'	H' 1/3 1/2 1/2 - =	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9)	1/1 1/2 \/2	3000 GPM 11.0 (41,6) 10.2 (3B,6) 9.4 (35,6)	RPM HP 112 1/2 -+-3/'	GPM (L/min) 13.1 (49,6) 12.3 (46,51	1 3/4 , 3/4
TOTAL P.S.1. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3 (1,2)	HEAD Ft. of Watel {meter} 10 131 20 1SI JO 191 40 (12)	GPM H (1/min) 1.6 (6,1) 1.2	(L/min) (L/min) 1/6 4.1 (15,5) 3.6 (13,6) 3.1 (11,7)	H' 1/6 \(\forall 6 \)	1750 1 GPM (L/min) 6.3 (23,8) 5.B (22 0) 5.0 (18,S) '.1 (15 5)	H' H' H' 11' 1/3 1/3	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200)	RPM H' _I 1/3 1/3 \(\forall 3\)	2450 I GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253)	H' 1/3 1/2 1/2 1/2 112	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 1.7 (29,11	HP 1/1 1/2 —	3000 GPM 1 (1/min1 11.0 (41,6) 10.2 (38,6) 9.4 (35,6) 8.9	RPM HP 112 1/2 1/2	GPM (L/min) 13.1 (49.6) 12.3 (46.51 11.3 (42.S) 10.3 (39.0)	1 3/4 , 1 3/4 3/.
TOTAL P.S.1. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3	HEAD Ft. of Watel {meter} 10 131 20 ISI JO 191 40	GPM H (1/min) 1.6 (6,1) 1.2	(L/min) (L/min) (1/6 4.1 (15,5) 3.6 (13,6) 3.1 (11,7) 2.4	H' 1/6 1/6	1750 1 GPM (L/min) 6.3 (23,8) 5.B (22 0) 5.0 (18,S) '.1 (15 5) 3.1	H' H' H' 11' 11' 1/3	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200) '.2	RPM H' _I 1/3 1/3 \(\forall 3\)	2450 I GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253) 5.7	H' 1/3 1/2 1/2 - =	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 1.1 (29,11	1/1 1/2 \/2	3000 GPM 11.0 (41,6) 10.2 (38,6) 9.4 (35,6) 8.9 (31,8)	RPM HP 112 1/2 -+-3/'	GPM (L/min) 13.1 (49,6) 12.3 (46,51 11.3 (42,S) 10.3 (39,0) 9.2	1 3/4 , 3/4 3/.
TOTAL 1 P.S.1. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3 (1,2) 21,6 (1 5) 26.0	HEAD Ft. of Watel {meter} 10 131 20 ISI JO 191 40 (12) 50 (15) 60	GPM H (1/min) 1.6 (6,1) 1.2	(L/min) (L/min) (1/6 4.1 (15,5) 3.6 (13,6) 3.1 (11,7) 2.4	H' 1/6 1/6	1750 1 GPM (L/min) 6.3 (23,8) 5.B (22 0) 5.0 (18,S) '.1 (15 5)	H' H' H' 11' 1/3 1/3	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200)	RPM H' _I 1/3 1/3 \(\forall 3\)	2450 I GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253) 5.7 (21 5)	H' 1/3 1/2 1/2 1/2 112	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 1.7 (29,11 6.7 1253	1/1 1/2 \(\sqrt{2}\)	3000 GPM 11.0 (41,6) 10.2 (3B,6) 9. (35,6) 8.9 (31,8) 7.4 12801 6.3	RPM HP 1 112 1/2 -+3/' 3/4	GPM (L/min) 13.1 (49,6) 12.3 (46,51 11.3 {42,\$}) 10.3 (39,0) 9.2 (34)	1 3/4 , 3/4 3/.
TOTAL 1 P.S.1. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3 (1,2) 21,6 (1 5)	HEAD Ft. of Watel {meter} 10 131 20 1SI JO 191 40 (12) 50 (15) 60 118)	GPM H (1/min) 1.6 (6,1) 1.2 (45)	(L/min) (L/min) (1/6 4.1 (15,5) 3.6 (13,6) 3.1 (11,7) 2.4 (9,1)	H' 1/6 1/6	1750 1 GPM (L/min) 6.3 (23,8) 5.B (22 0) 5.0 (18,S) '.1 (15 5) 3.1	H'	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200) '.2	RPM H' _I 1/3 1/3 \(\forall 3\)	2450 I GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253) 5.7	H' 1/3 1/2 1/2 1/2 1/2 1/2	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 1.1 (29,11	1/1 1/2 \[\sqrt{2} 3/' 3/'	3000 GPM 11.0 (41,6) 10.2 (38,6) 9.4 (35,6) 8.9 (37,8) 7.4	RPM HP 1 112 1/2 -+3/' 3/4 3/'	GPM (L/min) 13.1 (49,6) 12.3 (46,51 11.3 (42,S) 10.3 (39,0) 9.2 (34	3/4 3/4 3/. 31
TOTAL 1 P.S.1. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3 (1,2) 21,6 (1 5) 26.0 11,B)	HEAD Ft. of Watel {meter} 10 131 20 1S1 JO 191 40 (12) 50 (15) 60 118)	GPM H (1/min) 1.6 (6,1) 1.2 (45) 1.6730007 POL	(L/min) (L/min) 1/6 4.1 (15,5) 3.6 (13,6) 3.1 (11,7) 2.4 (9,1)	H' 1/6 1/6 1/6 1/6	1750 1 GPM (L/min) 6.3 (23,8) 5.B (22 0) 5.0 (18,S) '.1 (15 5) 3.1 (11 7)	RPM H' /// /// /// /// /// /// /// /// ///	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200) '.2	RPM H' ₁ 1/3 1/3 \(\forall 3\) \(\forall 3\) \(\forall 112\)	2450 I GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253) 5.7 (21.5)	H' 1/3 1/2 1/2 1/2 112 1/2 112	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 1.7 (29,11 6.7 1253 5.6 (21,2)	1/1 1/2 \[\sqrt{2} 3/' 3/' 3/'	3000 GPM 1 (1/minl 11.0 (41,6) 10.2 (38,6) 9.4 (35,6) 8.9 (31,8) 7.4 (28,0) 6.3 123,B)	RPM HP 1 112 1/2 -+3/' 3/4 3/' 3/4	GPM (L/min) 13.1 (49.6) 12.3 (46.51 11.3 (42.8) 10.3 (39.0) 9.2 (34 8) 8.1 (30.6)	3/4 3/4 3/. 31 31
TOTAL 1 P.S.1. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3 (1,2) 21,6 (1 5) 26.0	HEAD Ft. of Watel {meter} 10 131 20 1SI JO 191 40 (12) 50 (15) 60 118) HEAD FI.of	GPM H (1/min) 1.6 (6,1) 1.2 (45)	(L/min) (L/min) (1/6 4.1 (15,5) (13,6) (13,6) (11,7) (11,7) (2,4) (9,1) C VRUETHANE 1160 F	H' 1/6 1/6 1/6 1/6	1750 1 GPM (L/min) 6.3 (23,8) 5.B (22 0) 5.0 (18,S) '.1 (15 5) 3.1	RPM H' /// /// /// /// /// /// /// /// ///	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200) '.2	RPM H' _I 1/3 1/3 √3 112 112 — NOT oper	2450 II GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253) 5.7 (21 5) (1T,0)	H' 1/3 1/2 1/2 1/2 1/2 1/2 1/2 1/2	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 1.7 (29,11 6.7 1253 5.6 (21,2) rely longs and sp	1/1 1/2	3000 GPM 1 (I/minl 11.0 (41,6) 10.2 (38,6) 9.4 (35,6) 8.9 (31,8) 7.4 (28,6) 6.3 123,8) e may be are redu	RPM HP 1 112 1/2 -+ 3/' 3/4 3/' 3/4 De experied. F	GPM (L/min) 13.1 (49.6) 12.3 (46.51 11.3 (42.8) 10.3 (39.0) 9.2 (34 8) 6.1 (30.6)	3/4 3/4 3/. 31 31
TOTAL 1. P.S.I. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3 (1,2) 21,6 (1 5) 26.0 11,B) TOTAL F.	HEAD Ft. of Watel {meter} 10 131 20 ISI JO 191 40 (12) 50 (15) 60 118)	GPM H (1/min) 1.6 (6,1) 1.2 (45) 16730007 POL 500 RPM	(L/min) (L/min) (1/6 4.1 (15,5) (13,6) (13,6) (11,7) (11,7) (2,4) (9,1) C VRUETHANE 1160 F	H' 1/6 1/6 1/6 1/6 RPM	1750 PGPM (L/min) 6.3 (23,8) 5.8 (22 0) 5.0 (18,S) '.1 (15 5) 3.1 (11 7) —	RPM H' /// /// /// /// /// /// /// /// ///	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200) '.2	RPM H' I I/3 I/3 I/3 V/3 II2 II2 − NOT oper Appl	2450 II GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253) 5.7 (21 5) '15 I (1T,0) TE: Prograting presication I	H' 1/3 1/2 1/2 1/2 112 1/2 1/2 112 Irressivessures	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 7.7 (29,11 6.7 1253 (21,2) rely longs and speering as	RPM $\begin{array}{c c} & & & \\ & & \\ & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & &$	3000 GPM 1 (1/minl 11.0 (41,6) 10.2 (38,6) 9.4 (35,6) 8.9 (31,8) 7.4 123,8) e may be are reduce sugge	RPM HP 1 112 1/2 -+ 3/' 3/4 3/' 3/4 De experied. Fested for	GPM (L/min) 13.1 (49.6) 12.3 (46.51 11.3 (42.5) 10.3 (39.0) 9.2 (34 8) 6.1 (30.6)	3/4 3/4 3/. 31 31
TOTAL 1 P.S.I. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3 (1,2) 21,6 (1 5) 26.0 11,B) TOTAL F P.S.I.] (kg/sq em) 4.3	HEAD Ft. of Watel {meter} 10 131 20 ISI JO 191 40 (12) 50 (15) 60 118) HEAD FI. of Water (meted)	GPM H (1/min) 1.6 (6,1) 1.2 (45) 16730007 POL 500 RPM GPM HP (1/min\ 3.2 1/	(L/min) (L/min) (I/min)	H' 1/6 1/6 1/6 1/6 RPM	1750 R GPM (L/min) 6.3 (23,8) 5.B (22 0) 5.0 (18,S) '.1 (15 5) 3.1 (11 7) - 1750 R GPM (1/min) 11.8	RPM H' /// /// /// /// /// /// /// /// ///	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200) '.2	RPM H' I 1/3 1/3 1/3 112 112 NOT oper Appl ation shade	2450 II GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253) 5.7 (21 5) (17,0) TE: Prograting president in lighted area.	H' 1/3 1/2 1/2 1/2 112 1/2 112 Iressives Engine shade Ca	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 1.7 (29,11 6.7 1253 rely long s and specifing as ed area a pacitor	RPM $\begin{array}{c c} & & & \\ & & \\ & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & &$	3000 GPM 1 (I/minl 11.0 (41,6) 10.2 (38,6) 9.4 (35,6) 8.9 (31,8) 7.4 128,01 6.3 123,B) e may be are reduce suggeommer motor in	RPM HP 1 112 1/2 -+3/' 3/4 3/' 3/4 be expericed. Fested for ded for recomm	GPM (L/min) 13.1 (49,6) 12.3 (46,51 11.3 (42,8) 10.3 (39,0) 9.2 (34 8) 6.1 (30,6) cted as Factory r oper-r heavy ended.	3/4 3/4 3/. 31 31
TOTAL 1 P.S.I. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3 (1,2) 21,6 (1 5) 26.0 11,B) TOTAL F. P.S.I.] (kg/sq em) 4.3 (,3)	HEAD Ft. of Watel {meter} 10 131 20 ISI JO 191 40 (12) 50 (15) 60 118) HEAD FI. of Water (meted 10 (3)	GPM H (1/min) 1.6 (6,1) 1.2 (45) 16730007 POL 500 RPM GPM HP (1/min\ 3.2 (12 1)	(L/min) (L/min) (I/min) (I/min	H' 1/6 1/6 1/6 1/6 1/6 1/7 1/6 1/6	1750 R GPM (L/min) 6.3 (23,8) 5.B (22 0) 5.0 (18,S) '.1 (15 5) 3.1 (11 7) - 1750 R GPM (I/min) 11.8 (44,6)	RPM H' /// /// /// /// /// /// /// /// ///	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200) '.2	RPM H' I 1/3 1/3 1/3 112 112 NOT oper Appl ation shadd Table	2450 I GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253) 5.7 (21 5) (17,0) TE: Prograting predication I in light ed area. e shows	H' 1/3 1/2 1/2 1/2 112 1/2 112 Iressives Engine Shade Ca appre	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 1.1 (29,11 6.7 (21,2) rely long s and specifing as ed area a pacitor oximate	I/I I/2 3/' 3/' Jer life beeds a ssistandand receive received.	3000 GPM 1.0 (41,6) 10.2 (3B,6) 9.4 (35,6) 8.9 (31,8) 7.4 12860 6.3 123,B) e may be are reduce suggeommer motor in l-Flow	RPM HP 1 112 1/2 -+3/' 3/4 3/' 3/4 be expericed. Fested for ded for recomm	GPM (L/min) 13.1 (49,6) 12.3 (46,51 11.3 (42,8) 10.3 (39,0) 9.2 (34 8) 6.1 (30,6) cted as Factory r oper-r heavy ended.	3/4 3/4 3/. 31 31
TOTAL 1. P.S.I. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3 (1,2) 21,6 (1 5) 26.0 11,B) TOTAL F. P.S.I.] (kg/sq em) 4.3 (,3) 8.7 (,6)	HEAD Ft. of Watel {meter} 10 131 20 ISI JO 191 40 (12) 50 (15) 60 118) HEAD FI. of Water (meted)	GPM H (1/min) 1.6 (6,1) 1.2 (45) 1.6730007 POL 500 RPM GPM HP (1/min) 3.2 (12 1) 3.0 1/	(L/min) (L/min) (I/min) (I/min	H' 1/6 1/6 1/6 1/6 - RPM HP	1750 PGPM (L/min) 6.3 (23,8) 5.B (22 0) 5.0 (18,S) '.1 (15 5) 3.1 (11 7) 1750 R GPM (I/min) 11.8 (44,6) 11.6	RPM H' II' II' I/3 1/3 1/3 - PM HP	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200) '.2	RPM H' I 1/3 1/3 1/3 112 112 NOT oper Appl ation shadd Table	2450 II GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253) 5.7 (21 5) (17,0) TE: Prograting president in lighted area.	H' 1/3 1/2 1/2 1/2 112 1/2 112 Iressives Engine Shade Ca appre	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 1.1 (29,11 6.7 (21,2) rely long s and specifing as ed area a pacitor oximate	I/I I/2 3/' 3/' Jer life beeds a ssistandand receive received.	3000 GPM 1.0 (41,6) 10.2 (3B,6) 9.4 (35,6) 8.9 (31,8) 7.4 12860 6.3 123,B) e may be are reduce suggeommer motor in l-Flow	RPM HP 1 112 1/2 -+3/' 3/4 3/' 3/4 be expericed. Fested for ded for recomm	GPM (L/min) 13.1 (49,6) 12.3 (46,51 11.3 (42,8) 10.3 (39,0) 9.2 (34 8) 6.1 (30,6) cted as Factory r oper-r heavy ended.	3/4 3/4 3/. 31
TOTAL 1 P.S.I. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3 (1,2) 21,6 (1 5) 26.0 11,B) TOTAL F P.S.I.] (kg/sq em) 4.3 (,3) 8.7 (,6) 11.3	HEAD Ft. of Watel {meter} 10 131 20 1S1 JO 191 40 (12) 50 (15) 60 118) HEAD FI. of Water (meted 10 (3) 20 (6) 40	GPM H (1/min) 1.6 (6,1) 1.2 (45) 1.6730007 POL 500 RPM GPM HP (1/min) 3.2 (12 1) 3.0 (11,3) 2.5 11	(L/min) (L/min) (I/min)	H' 1/6 1/6 1/6 1/6 1/6 1/7 1/6 1/6	1750 PGPM (L/min) 6.3 (23,8) 5.B (22,0) 5.0 (18,S) '.1 (15,5) 3.1 (11,7) - 1750 RGPM (I/min) 11.8 (44,6) 11.6 (43,9) 11.0	RPM H' /// /// /// /// /// /// /// /// ///	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200) '.2	RPM H' I 1/3 1/3 1/3 112 112 NOT oper Appl ation shadd Table	2450 I GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253) 5.7 (21 5) (17,0) TE: Prograting predication I in light ed area. e shows	H' 1/3 1/2 1/2 1/2 112 1/2 112 Iressives Engine Shade Ca appre	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 1.1 (29,11 6.7 (21,2) rely long s and specifing as ed area a pacitor oximate	I/I I/2 3/' 3/' Jer life beeds a ssistandand receive received.	3000 GPM 1.0 (41,6) 10.2 (3B,6) 9.4 (35,6) 8.9 (31,8) 7.4 12860 6.3 123,B) e may be are reduce suggeommer motor in l-Flow	RPM HP 1 112 1/2 -+3/' 3/4 3/' 3/4 be expericed. Fested for ded for recomm	GPM (L/min) 13.1 (49,6) 12.3 (46,51 11.3 (42,8) 10.3 (39,0) 9.2 (34 8) 6.1 (30,6) cted as Factory r oper-r heavy ended.	3/4 3/4 3/. 31
TOTAL 1 P.S.I. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3 (1,2) 21,6 (1 5) 26.0 11,B) TOTAL F P.S.I.] (kg/sq em) 4.3 (,3) 8.7 (,6) 11.3 (1,2)	HEAD Ft. of Watel {meter} 10 131 20 ISI JO 191 40 (12) 50 (15) 60 118) HEAD FI. of Water (meted 10 (3) 20 (66) 40 (12)	GPM H (1/min) 1.6 (6,1) 1.2 (45) 1.6730007 POL 500 RPM GPM HP (1/min) 3.2 (12 1) 3.0 (11,3) 2.5 (9,4)	(L/min) 1/6 4.1 (15,5) 3.6 (13,6) 3.1 (11,7) 2.4 (9,1)	H' 1/6 1/6 1/6 1/6 1/6 1/7 1/3 1/3 1/2	1750 PGPM (L/min) 6.3 (23,8) 5.B (22 0) 5.0 (18,S) '.1 (15 5) 3.1 (11 7) - 1750 R GPM (1/min) 11.8 (44,6) 11.6 (43,9) 11.0 (41,6)	RPM H' //' /// /// /// /// /// /// /// ///	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200) '.2	RPM H' I 1/3 1/3 1/3 112 112 NOT oper Appl ation shadd Table	2450 I GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253) 5.7 (21 5) (17,0) TE: Prograting predication I in light ed area. e shows	H' 1/3 1/2 1/2 1/2 112 1/2 112 Iressives Engine Shade Ca approximates appro	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 1.1 (29,11 6.7 (21,2) rely long s and specifing as ed area a pacitor oximate	I/I I/2 3/' 3/' Jer life beeds a ssistandand receive received.	3000 GPM 1.0 (41,6) 10.2 (3B,6) 9.4 (35,6) 8.9 (31,8) 7.4 12860 6.3 123,B) e may be are reduce suggeommer motor in l-Flow	RPM HP 1 112 1/2 -+3/' 3/4 3/' 3/4 be expericed. Fested for ded for recomm	GPM (L/min) 13.1 (49,6) 12.3 (46,51 11.3 (42,8) 10.3 (39,0) 9.2 (34 8) 6.1 (30,6) cted as Factory r oper-r heavy ended.	3/4 3/4 3/. 31
TOTAL 1 P.S.I. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3 (1,2) 21,6 (1 5) 26.0 11,B) TOTAL H P.S.I.] (kg/sq em) 4.3 (,3) 8.7 (,6) 11.3 (1,2) 23.0 (1,8)	HEAD Ft. of Watel {meter} 10 131 20 1SI JO 191 40 (12) 50 (15) 60 118) HEAD FI. of Water (meted 10 (3) 20 (66) 40 (12) 60 (18)	GPM H (1/min) 1.6 (6,1) 1.2 (45) 1.6730007 POL 500 RPM GPM HP (1/min) 3.2 (12 1) 3.0 (11,3) 2.5 11	(L/min) 1/6 (L/min) 1/6 4.1 (15,5) 3.6 (13,6) 3.1 (11,7) 2.4 (9,1)	H' 1/6 1/6 1/6 1/6 1/6 1/7 1/8 1/8 1/3	1750 PGPM (L/min) 6.3 (23,8) 5.B (22 0) 5.0 (18,S) '.1 (15 5) 3.1 (11 7) - 1750 R GPM (I/min) 11.8 (44,6) 11.6 (43,9) 11.0 (41,6) 10.0 (37,8)	RPM H' //' /// /// /// /// /// /// /// ///	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200) '.2	RPM H' I 1/3 1/3 1/3 112 112 NOT oper Appl ation shade Table in U.	2450 II GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253) 5.7 (21 5) (17,0) TE: Prograting president in lighted area. e shows S. gallon	H' 1/3 1/2 1/2 1/2 112 112 112 Iressives Engine shade Ca appressives (and see appressive)	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 7.7 (29,11 6.7 1253 (21,2) rely long s and specing as ed area a pacitor oximate d liters)	I/I 1/2	3000 GPM I (I/minl 11.0 (41,6) 10.2 (38,6) 9.4 (35,6) 8.9 (31,8) 7.4 123,8) e may be are reduce suggerment or interpretation of the suggerment of the suggestion	RPM HP 1 112 1/2 1/2 -+3/' 3/4 3/' 3/4 be experied. Fested for new for new	GPM (L/min) 13.1 (49,6) 12.3 (46,51 11.3 (42,8) 10.3 (39,0) 9.2 (34 8) 6.1 (30,6) cted as Factory r oper-r heavy ended.	3/4 3/4 3/. 31 31
TOTAL 1 P.S.I. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3 (1,2) 21,6 (1 5) 26.0 11,B) TOTAL F P.S.I.] (kg/sq em) 4.3 (,3) 8.7 (,6) 11.3 (1,2) 26.0 (1,8) 34.6 (2,4)	HEAD Ft. of Watel {meter} 10 131 20 ISI JO 191 40 (12) 50 (15) 60 118) HEAD FI. of Water (meted 10 (3) 20 (66) 40 (12) 60	GPM H (1/min) 1.6 (6,1) 1.2 (45) 1.6730007 POL 500 RPM GPM HP (1/min) 3.2 (12 1) 3.0 (11,3) 2.5 (9,4) 1.8 11	(L/min) 1/6 4.1 (15,5) 3.6 (13,6) 3.1 (11,7) 2.4 (9,1) LVRUETHANE 1160 F GPM {1/min} 4 7.9 (29,9) 4 7.7 (29,1) 4 7.3 (27,6) 4 6.5	H' 1/6 1/6 1/6 1/6 1/6 1/7 1/3 1/3 1/2	1750 R GPM (L/min) 6.3 (23,8) 5.B (22 0) 5.0 (18,S) '.1 (15 5) 3.1 (11 7) - 1750 R GPM (1/min) 11.8 (44,6) 11.6 (43,9) 11.0 (41,6) 10.0	RPM H' //' /// /// /// /// /// /// /// ///	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200) '.2	RPM H' I 1/3 1/3 1/3 112 112 NOT oper Appl ation shade Table in U.	2450 I GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253) 5.7 (21 5) (17,0) TE: Prograting predication I in light ed area. e shows	H' 1/3 1/2 1/2 1/2 112 1/2 112 ressives Engine shade Ca appression (appression (ap	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 7.7 (29,11 6.7 1253 5.6 (21,2) rely long as and specing as a pacitor oximate diters)	I/I 1/2	3000 GPM 1 (I/minl 11.0 (41,6) 10.2 (38,6) 9.4 (35,6) 8.9 (31,8) 7.4 123,8) e may be are reduce suggerement or interpretation of the composition of the	RPM HP I 112 1/2 -+3/' 3/4 3/4 3/4 be expericed. Fested for ded for recomm for new	GPM (L/min) 13.1 (49.6) 12.3 (46.51 11.3 (42.5) 10.3 (39.0) 9.2 (34 8) 6.1 (30 6) cted as factory r oper-r heavy ended. r pump	3/4 3/4 3/. 31 31 3/4
TOTAL 1 P.S.I. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3 (1,2) 21,6 (1 5) 26.0 11,B) TOTAL F P.S.I.] (kg/sq em) 4.3 (,3) 8.7 (,6) 17.3 (1,2) 26.0 (1,8) 34.6 (2,4) 43.2	HEAD Ft. of Watel {meter} 10 131 20 1S1 JO 191 40 (12) 50 (15) 60 118) HEAD FI. of Water (meted) 10 (12) 60 (12) 60 (13) 80 (224) 100	GPM H (1/min) 1.6 (6,1) 1.2 (45) 1.6730007 POL 500 RPM GPM HP (1/min) 3.2 (12 1) 3.0 (11,3) 2.5 (9,4) 1.8 11	(L/min) 1/6 4.1 (15,5) 3.6 (13,6) 3.1 (11,7) 2.4 (9,1)	H' 1/6 1/6 1/6 1/6 1/6 1/3 1/3 1/2	1750 PM (L/min) 6.3 (23,8) 5.B (22 0) 5.0 (18,S) '.1 (15 5) 3.1 (11 7) - 1750 R GPM (I/min) 11.8 (44,6) 11.6 (43,9) 11.0 (41,6) 10.0 (37,8) 8 (33,3) 7.5	RPM H' II' II' I/3 1/3 1/3 - PM HP 1/2 1/2 1/2 3/4	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200) '.2	RPM H' I 1/3 1/3 1/3 112 112 NOT oper Appl ation shade Table in U.	2450 II GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253) 5.7 (21 5) ' 5 I (1T,0) TE: Prograting president of the program	H' 1/3 1/2 1/2 1/2 112 1/2 112 112	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 7.7 (29,11 6.7 1253 5.6 (21,2) rely long as and specifing as and specifing as a pacitor oximate differs) PR Marine ar	I/I I/2	3000 GPM I (I/minl 11.0 (41.6) 10.2 (38.6) 9.4 (35.6) 8.9 (31.8) 7.4 (28.0) 6.3 123,B) e may be are reduce suggerommer motor rel-Flow finute.	RPM HP I 112 1/2 -+3/' 3/4 3/4 3/4 be experied. Frested for ded for recomm for new	GPM (L/min) 13.1 (49.6) 12.3 (46.51 11.3 (42.S) 10.3 (39.0) 9.2 (34) 6.1 (30.6) cted as factory r oper-r heavy ended. r pump	3/4 3/4 3/. 31 31 3/4
TOTAL 1 P.S.I. (kg/sq em) 4.3 (,3) 8. 161 13.0 (,9) 17.3 (1,2) 21,6 (1 5) 26.0 11,B) TOTAL F P.S.I.] (kg/sq em) 4.3 (,3) 8.7 (,6) 11.3 (1,2) 26.0 (1,8) 34.6 (2,4) 43.2 (3,0) 52.0	HEAD Ft. of Watel {meter} 10 131 20 ISI JO 191 40 (12) 50 (15) 60 118) HEAD FI. of Water (meted 10 (3) 20 (6) 40 (12) 30 (12) 80 (24)	GPM H (1/min) 1.6 (6,1) 1.2 (45) 1.6730007 POL 500 RPM GPM HP (1/min) 3.2 (12 1) 3.0 (11,3) 2.5 (9,4) 1.8 11	(L/min) (L/min) (I/min) (I/6	H' 1/6 1/6 1/6 1/6 1/6 1/6 1/7 RPM HP 1/3 1/3 1/2 1/2 1/2	1750 PM (L/min) 6.3 (23,8) 5.B (22 0) 5.0 (18,S) '.1 (15 5) 3.1 (11 7) 1750 R GPM (I/min) 11.8 (44,6) 11.6 (43,9) 11.0 (41,6) 10.0 (37,8) 8 (33,3) 7.5 (28,4)	RPM H' II' II' I/3 1/3 1/3 - PM HP 1/2 1/2 1/2 3/4 3/4	2100 II GPM (L/min) 7.7 (29,1) 7.0 (265) 6.2 (23,4) 5.3 (200) '.2	RPM H' I 1/3 1/3 1/3 112 112 NOT oper Appl ation shade Table in U.	2450 II GPM (L/min) 9.0 (34,0) 8.' (31,8) 7.6 (28,7) 6.7 (253) 5.7 (21 5) ' 5 I (1T,0) TE: Prograting president of the program	H' 1/3 1/2 1/2 1/2 112 1/2 112 Interestive standard Ca appriss (and the cappriss (and the capp	2750 GPM (L/min) 10.1 (38,2) 9.5 (35,9) 8.6 (32,5) 7.7 (29,11 6.7 1253 5.6 (21,2) rely long as and specing as a pacitor oximate diters)	I/I I/2 3/' 3/' 3/' are life beeds a sistand recetype recetype receipt head per mineral and receipt head and recei	3000 GPM 1 (I/minl 11.0 (41.6) 10.2 (38.6) 9.4 (35.6) 8.9 (31.8) 7.4 (28.0) 6.3 123,B) e may be are reduce suggestimeter motor in the control of the contr	RPM HP I 112 1/2 -+3/' 3/4 3/4 3/4 be experied. Frested for ded for recommendation for new for new for new for new for selegraph	GPM (L/min) 13.1 (49.6) 12.3 (46.51 11.3 (42.S) 10.3 (39.0) 9.2 (34) 6.1 (30.6) cted as factory r oper-r heavy ended. r pump	3/4 3/4 3/. 31 31 3/4

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