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Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



TECHNICAL DATA

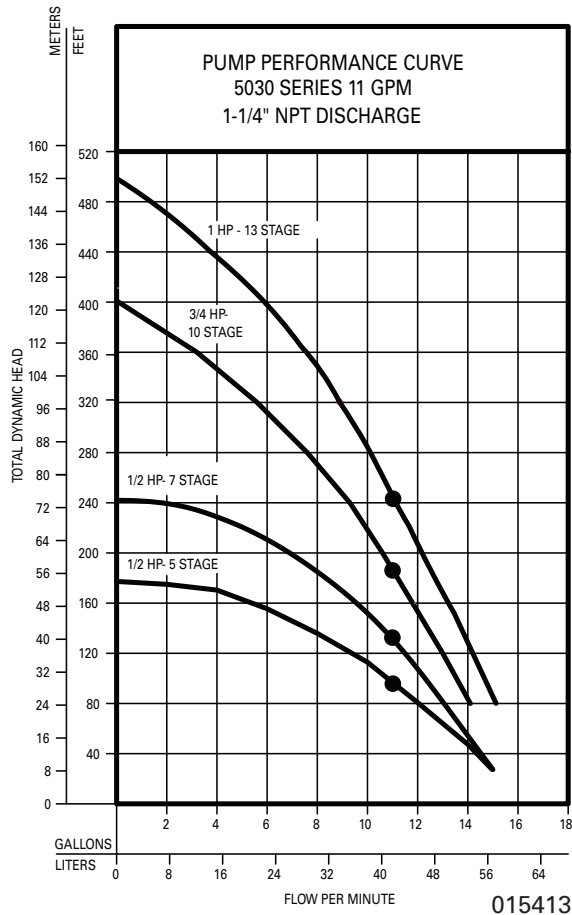
TURBINE EFFLUENT PUMPS

For onsite applications demanding more pressure than a traditional centrifugal pump can deliver. Applications include drip dispersal systems, effluent pressure sewers, treatment systems, and STEP systems.

Features

- 26 models to fit a wide range of applications
- 10', 25', 50', and 100' cords available
- 11, 19, and 27 gpm models feature a 1-1/4" glass-filled Noryl discharge
- 35, 55, and 85 gpm models feature a 2" stainless steel discharge
- Pumps are complete with all necessary starting components when applicable
- 2 HP and 3 HP come with capacitor box





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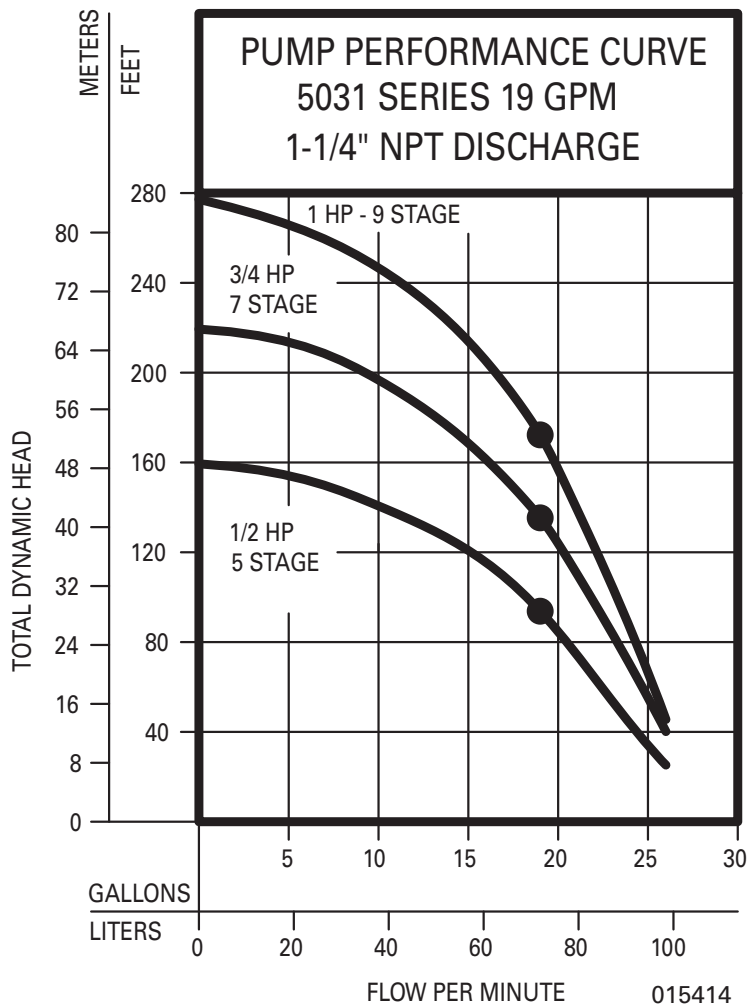
**5030 SERIES TOTAL DYNAMIC HEAD/FLOW
PER MINUTE EFFLUENT**

MODEL		1/2 HP 5 STAGE		1/2 HP 7 STAGE		3/4 HP 10 STAGE		1 HP 13 STAGE	
Feet	Meters	Gal.	Liters	Gal.	Liters	Gal.	Liters	Gal.	Liters
40	12.2	14.4	54.5	14.5	54.9	-	-	-	-
80	24.4	12.1	45.8	13.1	49.6	14.1	53.4	14.6	55.3
120	36.6	9.4	35.6	11.6	43.9	13.0	49.2	13.7	51.9
160	48.8	5.5	20.8	9.6	36.3	11.8	44.7	12.8	48.5
200	61	--	--	7.1	26.9	10.6	40.1	12.0	45.4
240	73.2	--	--	2.0	7.6	9.3	35.2	11.0	41.6
280	85.3	--	--	--	--	7.6	28.8	9.9	37.5
320	97.5	--	--	--	--	5.6	21.2	8.7	32.9
360	109.7	--	--	--	--	3.2	12.1	7.3	27.6
400	121.9	--	--	--	--	--	--	5.6	21.2
440	134.1	--	--	--	--	--	--	3.7	14.0
480	146.3	--	--	--	--	--	--	1.8	6.8
Shut-off Head:		177 ft. (54.0m)		241 ft. (73.6m)		401 ft. (122.2m)		504 ft. (153.6m)	

BASE MODEL	HP	VOLTS	GPM	MAX AMP	LOCKED ROTOR AMPS	TYPE	SIZE	WINDING RESISTANCE OHMS	MAX FUSE CB	AWG COPPER WIRE/ 60 °C INSULATION SIZE SELECTION CHART MAX DISTANCE FROM POWER SUPPLY TO PUMP (FT.)						MLL**	SOLIDS	OVERLOAD
										14	12	10	8	6	4			
5030-0005	1/2	115	11	12	64.4	SJOW	14-3	1.0 - 1.3	30	100	160	250	390	620	960	16"	0.093"	Y
5030-0006	1/2	230	11	6	32.2	SJOW	14-3	4.2 - 5.2	15	400	650	1020	1610	2510	3880	16"	0.093"	Y
5030-0007	1/2	115	11	12	64.4	SJOW	14-3	1.0 - 1.3	30	100	160	250	390	620	960	16"	0.093"	Y
5030-0008	1/2	230	11	6	32.2	SJOW	14-3	4.2 - 5.2	15	400	650	1020	1610	2510	3880	16"	0.093"	Y
5030-0009	3/4	230	11	8	40.7	SJOW	14-3	3.0 - 3.6	20	300	480	760	1200	1870	2890	17"	0.093"	Y
5030-0012	1	230	11	10.4	48.7	SJOW	14-3	2.2 - 2.7	25	250	400	630	990	1540	2380	18"	0.093"	Y

Cable Guide: SJOW: Junior hard service, same construction as type SOW but only rated for 300V (jacket thickness different). 60 °C.

**Minimum Liquid Level (measured from bottom of pump).



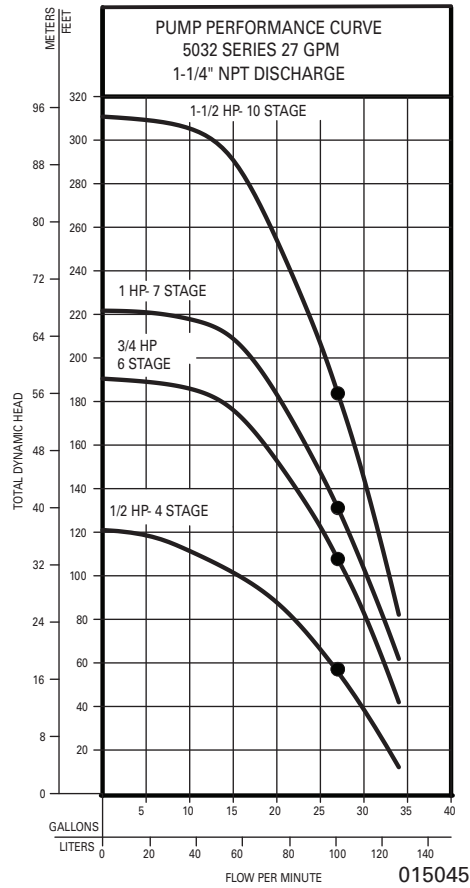
5031 SERIES TOTAL DYNAMIC HEAD/FLOW PER MINUTE EFFLUENT

MODEL		1/2 HP 5 STAGE		3/4 HP 7 STAGE		1 HP 9 STAGE	
Feet	Meters	Gal.	Liters	Gal.	Liters	Gal.	Liters
40	12.2	24.4	92.4	26	98.4	26.2	99.2
80	24.4	20.5	77.6	23.3	88.2	24.3	92
120	36.6	15.2	57.5	20.3	76.8	22.2	84
160	48.8	--	--	16.1	60.9	19.8	74.9
200	61	--	--	9.2	34.8	16.5	62.5
240	73.2	--	--	--	--	11.3	42.8
Shut-off Head:		159 ft. (48.5m)		219 ft. (66.8m)		277 ft. (84.4m)	

BASE MODEL	HP	VOLTS	GPM	MAX AMP	LOCKED ROTOR AMPS	TYPE	SIZE	WINDING RESISTANCE OHMS	MAX FUSE CB	AWG COPPER WIRE/ 60 °C INSULATION SIZE SELECTION CHART MAX DISTANCE FROM POWER SUPPLY TO PUMP (FT.)						MLL**	SOLIDS	OVERLOAD
										14	12	10	8	6	4			
5031-0005	1/2	115	19	12	64.4	SJOW	14-3	1.0 - 1.3	30	100	160	250	390	620	960	16.5"	0.093"	Y
5031-0006	1/2	230	19	6	32.2	SJOW	14-3	4.2 - 5.2	15	400	650	1020	1610	2510	3880	16.5"	0.093"	Y
5031-0007	3/4	230	19	8	40.7	SJOW	14-3	3.0 - 3.6	20	300	480	760	1200	1870	2890	17.5"	0.093"	Y
5031-0008	1	230	19	10.4	48.7	SJOW	14-3	2.2 - 2.7	25	250	400	630	990	1540	2380	18.5"	0.093"	Y

Cable Guide: SJOW: Junior hard service, same construction as type SOW but only rated for 300V (jacket thickness different). 60 °C.

**Minimum Liquid Level (measured from bottom of pump).



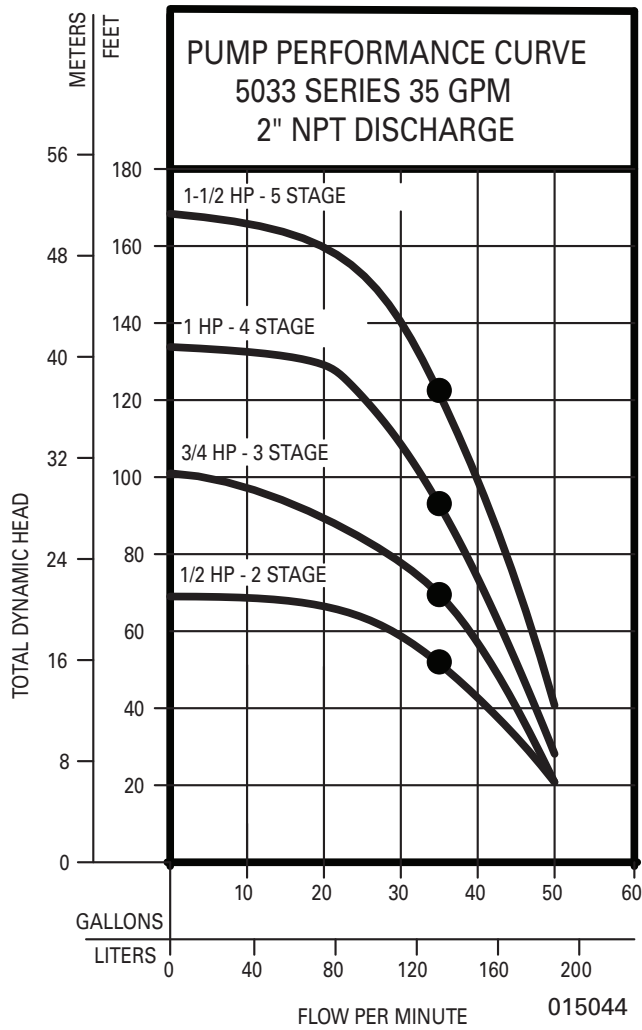
5032 SERIES TOTAL DYNAMIC HEAD / FLOW PER MINUTE EFFLUENT

MODEL		1/2 HP 4 STAGE		3/4 HP 6 STAGE		1 HP 7 STAGE		1-1/2 HP 10 STAGE	
Feet	Meters	Gal.	Liters	Gal.	Liters	Gal.	Liters	Gal.	Liters
20	6.1	32.9	124.5	35.9	135.9	37.5	141.9	37.4	141.6
40	12.2	30.1	113.9	34.2	129.5	35.8	135.5	36.3	137.4
60	18.3	26.4	99.9	32.3	122.3	34.1	129	35.2	133.3
80	24.4	22.3	84.4	30.4	115	32.3	122.3	34.3	129.8
100	30.5	16.1	60.9	28	106	30.4	115.1	32.9	124.5
120	36.6	5	18.9	25.4	96.1	28.3	107.1	31.8	120.4
140	42.7	--	--	22.3	84.4	26	98.4	30.3	114.7
160	48.8	--	--	18.7	70.8	23.4	88.6	28.9	109.4
180	54.9	--	--	13.7	51.9	20.5	77.6	27.3	103.3
200	61	--	--	--	--	17.2	65.1	25.8	97.7
220	67.1	--	--	--	--	7.1	26.9	24.1	91.2
240	73.2	--	--	--	--	--	--	22.0	83.3
260	79.3	--	--	--	--	--	--	19.5	73.8
280	85.3	--	--	--	--	--	--	16.5	62.5
300	91.4	--	--	--	--	--	--	12.4	46.9
Shut-off Head:		122 Ft. (37.2m)		190 Ft. (57.9m)		222 Ft. (67.7m)		311 Ft. (94.8m)	

BASE MODEL	HP	VOLTS	GPM	MAX AMP	LOCKED ROTOR AMPS	TYPE	SIZE	WINDING RESISTANCE OHMS	MAX FUSE CB	AWG COPPER WIRE/ 60 °C INSULATION SIZE SELECTION CHART MAX DISTANCE FROM POWER SUPPLY TO PUMP (FT.)						MLL**	SOLIDS	OVERLOAD
										14	12	10	8	6	4			
5032-0005	1/2	115	27	12	64.4	SJOW	14-3	1.0 - 1.3	30	100	160	250	390	620	960	17"	0.093"	Y
5032-0006	1/2	230	27	6	32.2	SJOW	14-3	4.2 - 5.2	15	400	650	1020	1610	2510	3880	17"	0.093"	Y
5032-0007	3/4	230	27	8	40.7	SJOW	14-3	3.0 - 3.6	20	300	480	760	1200	1870	2890	18"	0.093"	Y
5032-0008	1	230	27	10.4	48.7	SJOW	14-3	2.2 - 2.7	25	250	400	630	990	1540	2380	19"	0.093"	Y
5032-0009	1-1/2	230	27	13.1	56.8	SJOW	14-3	1.5 - 1.9	35	190	310	480	770	1200	1870	19.5"	0.093"	Y
5032-0015	3	230	27	Y17.0 B12.6 R6.0	83.4	SJOW	12-4	M1.1-1.4 S4.0-4.8	40	120	190	300	470	750	1190	20"	0.093"	Y

Cable Guide: SJOW: Junior hard service, same construction as type SOW but only rated for 300V (jacket thickness different). 60 °C.

**Minimum Liquid Level (measured from bottom of pump).



**5033 SERIES TOTAL DYNAMIC HEAD / FLOW
PER MINUTE EFFLUENT**

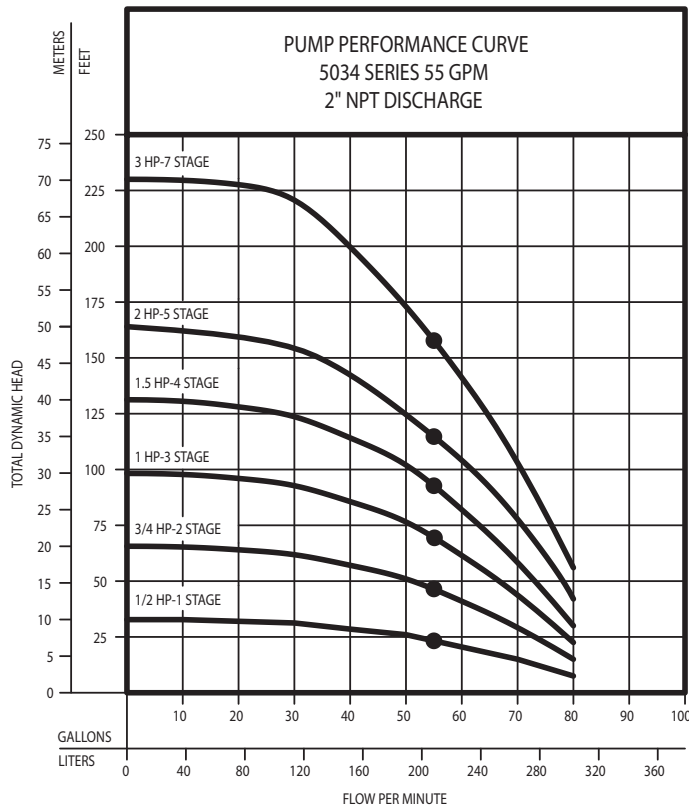
MODEL		1/2 HP 2 STAGE		3/4 HP 3 STAGE		1 HP 4 STAGE		1-1/2 HP 5 STAGE	
		Gal.	Liters	Gal.	Liters	Gal.	Liters	Gal.	Liters
20	6.1	50.7	196.5	50.7	191.9	51.6	195.3	52.8	199.8
40	12.2	41.9	158.6	45.3	171.5	47.8	180.9	49.9	188.9
60	18.3	30.4	115.1	39.5	149.5	43.4	164.3	46.8	177.1
80	24.4	--	--	31.0	117.3	38.6	146.1	42.5	160.9
100	30.5	--	--	9.5	36.0	32.8	124.2	39.9	151.0
120	36.6	--	--	--	--	25.4	96.1	35.5	134.4
140	42.7	--	--	--	--	--	--	30.5	115.4
Shut-off Head:		69 Ft. (21.0m)		101 Ft. (30.7m)		134 Ft. (40.8m)		168 Ft. (51.2m)	

BASE MODEL	HP	VOLTS	GPM	MAX AMP	LOCKED ROTOR AMPS	TYPE	SIZE	WINDING RESISTANCE OHMS	MAX FUSE CB	AWG COPPER WIRE/ 60 °C INSULATION SIZE SELECTION CHART MAX DISTANCE FROM POWER SUPPLY TO PUMP (FT.)						MLL**	SOLIDS	OVERLOAD
										14	12	10	8	6	4			
5033-0005	1/2	115	35	12	64.4	SJOW	14-3	1.0 - 1.3	30	100	160	250	390	620	960	17.5"	0.093"	Y
5033-0006	1/2	230	35	6	32.2	SJOW	14-3	4.2 - 5.2	15	400	650	1020	1610	2510	3880	17.5"	0.093"	Y
5033-0007	3/4	230	35	8	40.7	SJOW	14-3	3.0 - 3.6	20	300	480	760	1200	1870	2890	18.5"	0.093"	Y
5033-0008	1	230	35	10.4	48.7	SJOW	14-3	2.2 - 2.7	25	250	400	630	990	1540	2380	19.5"	0.093"	Y
5033-0009	1-1/2	230	35	13.1	56.8	SJOW	14-3	1.5 - 1.9	35	190	310	480	770	1200	1870	22.5"	0.093"	Y

Cable Guide: SJOW: Junior hard service, same construction as type SOW but only rated for 300V (jacket thickness different). 60 °C.

**Minimum Liquid Level (measured from bottom of pump).

* 2 HP and 3 HP pumps require a capacitor box. Box is included with pump.



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5034 SERIES TOTAL DYNAMIC HEAD/FLOW PER MINUTE EFFLUENT

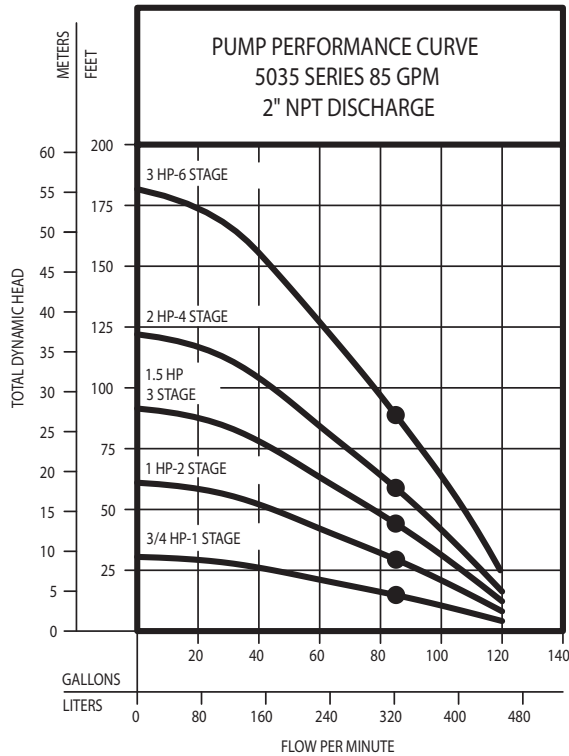
MODEL		.5 HP 1 STAGE		.75 HP 2 STAGE		1 HP 3 STAGE		1.5 HP 4 STAGE		2 HP 5 STAGE		3 HP 7 STAGE	
Feet	Meters	Gal.	Liters	Gal.	Liters	Gal.	Liters	Gal.	Liters	Gal.	Liters	Gal.	Liters
25	7.6	51.8	196.1	72.5	274.4	78.9	298.6	---	---	---	---	---	---
50	15.2	---	---	51.1	193.4	66.7	252.5	73.2	277.1	78.4	296.7	---	---
75	22.9	---	---	---	---	51.2	193.8	62.9	238.1	71.2	269.5	76.1	288.0
100	30.5	---	---	---	---	---	---	51.1	193.4	62.4	236.2	70.7	267.6
125	38.1	---	---	---	---	---	---	27.9	105.6	50.0	189.3	64.3	243.4
150	45.7	---	---	---	---	---	---	---	---	36.4	137.8	56.8	215.0
175	53.3	---	---	---	---	---	---	---	---	---	---	49.3	186.6
200	61.0	---	---	---	---	---	---	---	---	---	---	40	151.4
225	68.6	---	---	---	---	---	---	---	---	---	---	25.7	97.3
Shut-off Head:		33.0 ft. (10.1m)		65.6 ft. (20.0m)		99.0 ft. (30.2m)		132.0 ft. (40.2m)		164.0 ft. (50.0m)		230.0 ft. (70.1m)	

BASE MODEL	HP	VOLTS	GPM	MAX AMP	LOCKED ROTOR AMPS	TYPE	SIZE	WINDING RESISTANCE OHMS	MAX FUSE CB	AWG COPPER WIRE/ 60 °C INSULATION SIZE SELECTION CHART MAX DISTANCE FROM POWER SUPPLY TO PUMP (FT.)						MLL**	SOLIDS	OVERLOAD
										14	12	10	8	6	4			
5034-0005	1/2	115	55	12	64.4	SJOW	14-3	1.0 - 1.3	30	100	160	250	390	620	960	20"	0.093"	Y
5034-0006	1/2	230	55	6	32.2	SJOW	14-3	4.2 - 5.2	15	400	650	1020	1610	2510	3880	20"	0.093"	Y
5034-0007	3/4	230	55	8	40.7	SJOW	14-3	3.0 - 3.6	20	300	480	760	1200	1870	2890	21"	0.093"	Y
5034-0008	1	230	55	10.4	48.7	SJOW	14-3	2.2 - 2.7	25	250	400	630	990	1540	2380	22"	0.093"	Y
5034-0009	1.5	230	55	13.1	56.8	SJOW	14-4	1.5 - 1.9	35	190	310	480	770	1200	1870	25"	0.093"	Y
5034-0010	2	230	55	"Y 13.2 B 11.9 R 2.6"	51	SJOW	12-4	"1.6 - 2.3 M 5.2 - 7.15 S"	30	150	250	390	620	970	1530	25"	0.093"	Y
5034-0011	3	230	55	"Y 14.0 B 14.5 R 4.5"	82	SJOW	14-3	".9 - 1.5 M 3.0 - 4.9 S"	45	120	190	300	470	750	1190	28"	0.093"	Y
5034-0032	5	230	55	Y27.5 B19.1 R10.8	129	SJOW	14-4	M.71-.82 S1.8-2.2	60	0	0	180	280	450	710	24"	0.093"	Y

Cable Guide: SJOW: Junior hard service, same construction as type SOW but only rated for 300V (jacket thickness different). 60 °C.

**Minimum Liquid Level (measured from bottom of pump).

* 2 HP and 3 HP pumps require a capacitor box. Box is included with pump.



015845

5035 PUMP SERIES TOTAL DYNAMIC HEAD/FLOW PER MINUTE EFFLUENT

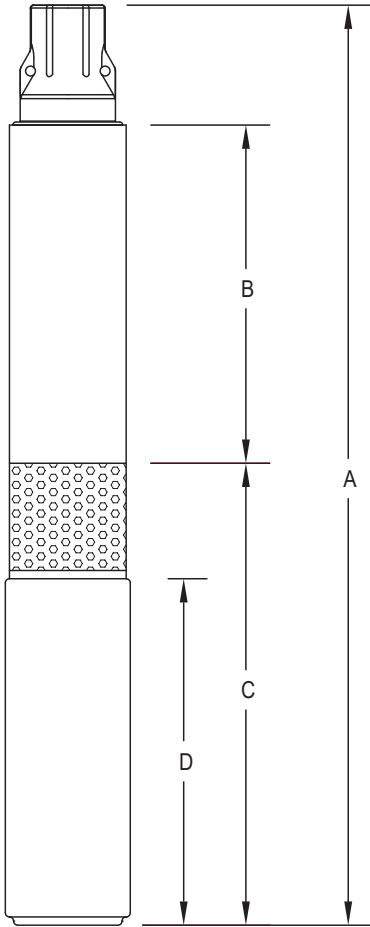
MODEL		.75 HP 1 STAGE		1 HP 2 STAGE		1.5 HP 3 STAGE		2 HP 4 STAGE		3 HP 6 STAGE	
Feet	Meters	Gal.	Liters	Gal.	Liters	Gal.	Liters	Gal.	Liters	Gal.	Liters
25	7.6	45.5	172.2	93.0	352.0	106.8	404.2	113.0	427.7	119.4	452.0
50	15.2	---	---	44.6	168.8	77.6	293.7	93.0	352.0	108.3	410.0
75	22.9	---	---	---	---	44.5	168.4	69.2	261.9	93.4	353.6
100	30.5	---	---	---	---	---	---	44.5	168.4	78.3	296.4
125	38.1	---	---	---	---	---	---	---	---	61.4	232.4
150	45.7	---	---	---	---	---	---	---	---	44.3	167.7
175	53.3	---	---	---	---	---	---	---	---	25.7	97.3
Shut-off Head:		30.5 ft. (9.3m)		61.0 ft. (18.6m)		91.5 ft. (27.9m)		122 ft. (37.2m)		181.7 ft. (55.4m)	

BASES MODEL	HP	VOLTS	GPM	MAX AMP	LOCKED ROTOR AMPS	TYPE	SIZE	WINDING RESISTANCE OHMS	MAX FUSE CB	AWG COPPER WIRE/ 60 °C INSULATION SIZE SELECTION CHART MAX DISTANCE FROM POWER SUPPLY TO PUMP (FT.)						MILL**	SOLIDS	OVERLOAD
										14	12	10	8	6	4			
5035-0005	3/4	230	85	8	40.7	SJOW	14-3	3.0 - 3.6	20	300	480	760	1200	1870	2890	22"	0.093"	Y
5035-0006	1	230	85	10.4	48.7	SJOW	14-4	2.2 - 2.7	25	250	400	630	990	1540	2380	23"	0.093"	Y
5035-0007	1.5	230	85	13.1	56.8	SJOW	12-4	1.5 - 1.9	35	190	310	480	770	1200	1870	26"	0.093"	Y
5035-0008	2	230	85	"Y 13.2 B 11.9 R 2.6"	51	SJOW	14-4	"1.6 - 2.3 M 5.2 - 7.15 S"	30	150	250	390	620	970	1530	26"	0.093"	Y
5035-0009	3	230	85	"Y 14.0 B 14.5 R 4.5"	82	SJOW	12-4	".9 - 1.5 M 3.0 - 4.9 S"	45	120	190	300	470	750	1190	30"	0.093"	Y

Cable Guide: SJOW: Junior hard service, same construction as type SOW but only rated for 300V (jacket thickness different). 60 °C.

**Minimum Liquid Level (measured from bottom of pump).

Pump Dimensional Information



SK2395

	BAE MODEL*	25' CORD	50' CORD	100' CORD	A	B	C	D	DISCHARGE
11 GPM	5030-0005	5030-0031	5030-0032	5030-0015	23-1/16	6-1/16	13-3/16	10-1/2	1-1/4
	5030-0006	5030-0017	5030-0018	5030-0019	23-1/16	6-1/16	13-3/16	10-1/2	1-1/4
	5030-0007	5030-0020	5030-0016	5030-0021	24-11/16	7-3/4	13-3/16	10-1/2	1-1/4
	5030-0008	5030-0022	5030-0023	5030-0024	24-11/16	7-3/4	13-3/16	10-1/2	1-1/4
	5030-0009	5030-0025	5030-0026	5030-0027	28-5/8	10-1/2	14-5/16	11-5/8	1-1/4
	5030-0012	5030-0028	5030-0029	5030-0030	31-13/16	13-1/8	15-3/16	12-1/2	1-1/4
19 GPM	5031-0005	5031-0009	5031-0013	5031-0010	23-1/2	6-1/2	13-3/16	10-1/2	1-1/4
	5031-0006	5031-0014	5031-0015	5031-0011	23-1/2	6-1/2	13-3/16	10-1/2	1-1/4
	5031-0007	5031-0012	5031-0016	5031-0017	26-5/8	8-1/2	14-5/16	11-5/8	1-1/4
	5031-0008	5031-0018	5031-0019	5031-0020	29-1/2	10-7/16	15-3/16	12-1/2	1-1/4
27GPM	5032-0005	5032-0012	5032-0016	5032-0017	22-11/16	5-3/4	13-3/16	10-1/2	1-1/4
	5032-0006	5032-0018	5032-0019	5032-0020	22-11/16	5-3/4	13-3/16	10-1/2	1-1/4
	5032-0007	5032-0014	5032-0021	5032-0022	25-7/8	7-3/4	14-5/16	11-5/8	1-1/4
	5032-0008	5032-0013	5032-0023	5032-0024	27-13/16	8-3/4	15-13/16	12-1/2	1-1/4
	5032-0009	5032-0011	5032-0025	5032-0026	33-7/8	11-13/16	18-1/4	15-9/16	1-1/4
	5032-0015					44-1/2	19	21-3/4	19
35 GPM	5033-0005	5033-0016	5033-0014	5033-0017	20-1/16	4-1/2	13-15/16	10-1/2	2
	5033-0006	5033-0018	5033-0019	5033-0020	20-1/16	4-1/2	13-15/16	10-1/2	2
	5033-0007	5033-0013	5033-0021	5033-0022	22-13/16	6-3/16	15-1/16	11-5/8	2
	5033-0008	5033-0015	5033-0010	5033-0023	25-5/16	7-13/16	15-15/16	12-1/2	2
	5033-0009	5033-0012	5033-0011	5033-0024	30-7/16	9-1/2	19	15-1/2	2
55 GPM	5034-0005	5034-0021	5034-0022	5034-0023	18-15/16	3-7/16	13-15/16	10-1/2	2
	5034-0006	5034-0024	5034-0015	5034-0025	18-15/16	3-7/16	13-15/16	10-1/2	2
	5034-0007	5034-0013	5034-0012	5034-0026	22-3/16	5-1/2	15-1/16	11-5/8	2
	5034-0008	5034-0027	5034-0016	5034-0028	25-1/8	7-5/8	15-15/16	12-1/2	2
	5034-0009	5034-0014	5034-0020	5034-0029	30-11/16	9-3/4	19	15-1/2	2
	5034-0010*	5034-0010	5034-0018	5034-0030	32-13/16	11-7/8	19	15-1/2	2
	5034-0011*	5034-0011	5034-0031	5034-0019	40-7/16	16	21-11/16	19	2
5034-0032					59-3/8	24-3/8	32-1/16	29-3/8	2
85GPM	5035-0005	5035-0022	5035-0011	5035-0012	20-3/4	4-1/8	15-1/16	11-5/8	2
	5035-0006	5035-0013	5035-0014	5035-0015	24-3/8	6-7/8	15-15/16	12-1/2	2
	5035-0007	5035-0016	5035-0017	5035-0018	30-5/8	9-3/8	19	15-1/2	2
	5035-0008*	5035-0008	5035-0019	5035-0020	33-3/8	12-7/16	19	15-1/2	2
	5035-0009*	5035-0009	5035-0010	5035-0021	42-3/8	17-7/8	21-11/16	19	2

* All base models have 10' cords except 5034-0010, 5034-0011, 5035-0008, and 5035-0009.

REMARQUES :

- 1.All dimensions are in inches.
- 2.Discharges are NPT.
- 3.All models have internal overload protection.
- 4.All models are restricted to solids less than 3/32" (0.094").