

110A Selection Table

NOTES:

- 1) TABLE SELECTIONS ARE FOR INTERMITTENT OPERATION - If system requires continuous operating pumps consult factory for pump selection.
- 2) Apply firing factor to evaporation rate to obtain actual pump capacity required.
- 3) MODEL NUMBER EXAMPLE:
 C4-1/3-4 designates C4 pump size with 1/3 H.P. motor at 4 pole speed.
 4 POLES = 1800 RPM MOTOR
 6 POLES = 1200 RPM MOTOR
- 4) For selections not shown, please refer to factory.

BOILER SIZE H.P.	EVAP. RATE IN GPM	PUMP CAPACITY IN GALLONS	281 SIMPLEX (SINGLE BOILER-ONE PUMP) 60 CYCLE			282 DUPLEX (SINGLE BOILER-ONE STANDBY) 60 CYCLE		
			TANK CAPACITY GALLONS	TANK SIZE INCHES	MAKE-UP VALVE SIZE	TANK CAPACITY GALLONS	TANK SIZE INCHES	MAKE-UP VALVE SIZE
15	1.0	3.9	30	16x37	3/4" NPT	30	16X37	3/4" NPT
20	1.4	4.1	30	16x37	3/4" NPT	30	16X37	3/4" NPT
25	1.7	4.4	30	16x37	3/4" NPT	30	16X37	3/4" NPT
30	2.1	5.0	30	16x37	3/4" NPT	30	16X37	3/4" NPT
40	2.8	6.6	30	16x37	3/4" NPT	30	16X37	3/4" NPT
50	3.5	7.6	60	22X37	3/4" NPT	60	22X37	3/4" NPT
60	4.2	8.5	60	22X37	3/4" NPT	60	22X37	3/4" NPT
70	4.8	10.0	60	22X37	3/4" NPT	60	22X37	3/4" NPT
80	5.5	11.0	100	24X51	3/4" NPT	100	24X51	3/4" NPT
100	6.9	14.0	100	24X51	3/4" NPT	100	24X51	3/4" NPT
125	8.6	17.5	100	24X51	3/4" NPT	100	24X51	3/4" NPT
150	10.7	21.0	200	30X65	1" NPT	200	30X65	1" NPT
200	13.8	28.0	200	30X65	1" NPT	200	30X65	1" NPT
250	17.3	33.0	250	36X60	1" NPT	250	36X60	1" NPT
300	20.7	38.0	350	42X60	1-1/2" NPT	350	42X60	1-1/2" NPT
350	24.2	43.0	350	42X60	1-1/2" NPT	350	42X60	1-1/2" NPT
400	27.6	48.0	350	42X60	1-1/2" NPT	350	42X60	1-1/2" NPT
500	34.5	57.0	500	42X84	1-1/2" NPT	500	42X84	1-1/2" NPT
600	41.5	71.0	500	42X84	1-1/2" NPT	500	42X84	1-1/2" NPT
700	48.3	77.0	750	48X96	1-1/2" NPT	750	48X96	1-1/2" NPT
50	3.5	7.6	60	22X37	3/4" NPT	-	-	-
60	4.2	8.5	60	22X37	3/4" NPT	-	-	-
70	4.8	10.0	60	22X37	3/4" NPT	-	-	-
80	5.5	11.0	100	24X51	3/4" NPT	-	-	-
100	6.9	14.0	100	24X51	3/4" NPT	-	-	-
125	8.6	17.5	100	24X51	3/4" NPT	-	-	-
150	10.7	21.0	200	30X65	1" NPT	-	-	-
200	13.8	28.0	200	30X65	1" NPT	-	-	-
250	17.3	33.0	250	36X60	1" NPT	-	-	-
300	20.7	38.0	350	42X60	1-1/2" NPT	-	-	-
350	24.2	43.0	350	42X60	1-1/2" NPT	-	-	-
400	27.6	48.0	350	42X60	1-1/2" NPT	-	-	-
500	34.5	57.0	500	42X84	1-1/2" NPT	-	-	-

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BOILER SIZE H.P.	EVAP. RATE IN GPM	PUMP CAPACITY IN GALLONS	282A DUAL (TWO BOILERS-TWO PUMPS- LARGE RECEIVER) 60 CYCLE			283A TRIPLEX (TWO BOILERS-THREE PUMPS- ONE PUMP STANDBY) 60 CYCLE		
			TANK CAPACITY GALLONS	TANK SIZE INCHES	MAKE-UP VALVE SIZE	TANK CAPACITY GALLONS	TANK SIZE INCHES	MAKE-UP VALVE SIZE
15	1.0	3.9	30	16x37	3/4" NPT	-	-	-
20	1.4	4.1	60	22x37	3/4" NPT	-	-	-
25	1.7	4.4	60	22x37	3/4" NPT	-	-	-
30	2.1	5.0	60	22x37	3/4" NPT	-	-	-
40	2.8	6.6	100	24x51	3/4" NPT	-	-	-
50	3.5	7.6	100	24X51	3/4" NPT	-	-	-
60	4.2	8.5	100	24X51	3/4" NPT	-	-	-
70	4.8	10.0	200	30X65	1" NPT	-	-	-
80	5.5	11.0	200	30X65	1" NPT	-	-	-
100	6.9	14.0	250	36X60	1" NPT	-	-	-
125	8.6	17.5	250	36X60	1" NPT	-	-	-
150	10.7	21.0	350	42X60	1-1/2" NPT	-	-	-
200	13.8	28.0	500	42X84	1-1/2" NPT	-	-	-
250	17.3	33.0	500	42X84	1-1/2" NPT	-	-	-
300	20.7	38.0	750	48X96	1-1/2" NPT	-	-	-
350	24.2	43.0	750	48X96	1-1/2" NPT	-	-	-
400	27.6	48.0	1000	48X120	1-1/2" NPT	-	-	-
500	34.5	57.0	1000	48X120	1-1/2" NPT	-	-	-
600	41.5	71.0	-	-	-	-	-	-
700	48.3	77.0	-	-	-	-	-	-
50	3.5	7.6	-	-	-	350	42X60	1-1/2" NPT
60	4.2	8.5	-	-	-	350	42X60	1-1/2" NPT
70	4.8	10.0	-	-	-	350	42X60	1-1/2" NPT
80	5.5	11.0	-	-	-	350	42X60	1-1/2" NPT
100	6.9	14.0	-	-	-	350	42X60	1-1/2" NPT
125	8.6	17.5	-	-	-	350	42X60	1-1/2" NPT
150	10.7	21.0	-	-	-	350	42X60	1-1/2" NPT
200	13.8	28.0	-	-	-	500	42X84	1-1/2" NPT
250	17.3	33.0	-	-	-	500	42X84	1-1/2" NPT
300	20.7	38.0	-	-	-	750	48X96	1-1/2" NPT
350	24.2	43.0	-	-	-	750	48X96	1-1/2" NPT
400	27.6	48.0	-	-	-	1000	48X120	1-1/2" NPT
500	34.5	57.0	-	-	-	1000	48X120	1-1/2" NPT

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BOILER SIZE H.P.	EVAP. RATE IN GPM	PUMP CAPACITY IN GALLONS	BOILER OPERATING PRESSURE, PSI MODEL NUMBERS					
			15#	100#	125#	150#	200#	250#
15	1.0	3.9	C4-1/3-4	E4T-1.5-4	E4T-1.5-4	F4T-3-4	D5T-2-4	E5T-3-4
20	1.4	4.1	C4-1/3-4	E4T-1.5-4	E4T-1.5-4	F4T-3-4	D5T-2-4	E5T-3-4
25	1.7	4.4	C4-1/3-4	E4T-1.5-4	F4T-2-4	G4T-3-4	E5T-3-4	G5T-7.5-4
30	2.1	5.0	C4-1/3-4	E4T-1.5-4	F4T-2-4	G4T-3-4	E5T-3-4	G5T-7.5-4
40	2.8	6.6	E4-1/3-4	F4T-2-4	G4T-3-4	G4T-3-4	G5T-5-4	G5T-7.5-4
50	3.5	7.6	E4-1/3-4	F4T-2-4	G4T-3-4	H5-5-4	G5T-5-4	G5T-7.5-4
60	4.2	8.5	E4-1/3-4	G4T-2-4	I4T-3-4	H5-5-4	G5T-5-4	G5T-7.5-4
70	4.8	10.0	G4-1/2-4	G4T-2-4	H5-3-4	H5-5-4	G5T-5-4	H5T-7.5-4
80	5.5	11.0	G4-1/2-4	G5-2-4	H5-3-4	G5T-5-4	G5T-5-4	H5T-7.5-4
100	6.9	14.0	I4-3/4-4	H5-3-4	H5-3-4	H5T-5-4	H5T-5-4	I5T-10-4
125	8.6	17.5	I4-3/4-4	H5-3-4	J5-5-4	K5-7.5-4	I5T-7.5-4	I5T-10-4
150	10.7	21.0	I4-3/4-4	J5-5-4	K5-7.5-4	L5-10-4	D6T-7.5-4	E6T-20-4
200	13.8	28.0	M4-1.5-4	K5-5-4	L5-10-4	D6T-7.5-4	E6T-15-4	G6T-20-4
250	17.3	33.0	M4-1.5-4	L5-7.5-4	E6T-10-4	E6T-10-4	G6T-20-4	-
300	20.7	38.0	M4-1.5-4	L5-7.5-4	E6T-10-4	G6T-15-4	G6T-20-4	-
350	24.2	43.0	P4-1.5-4	G6-10-4	G6T-10-4	G6T-15-4	K6T-25-4	-
400	27.6	48.0	R4-1.5-4	J6-15-4	G6T-15-4	G6T-15-4	K6T-25-4	-
500	34.5	57.0	M5-2-4	G6T-10-4	J6T-20-4	J6T-20-4	-	-
600	41.5	71.0	J6-2-6	J6T-20-4	J6T-20-4	J6T-20-4	-	-
700	48.3	77.0	K6-2-6	K6T-20-4	K6T-20-4	K6T-25-4	-	-
50	3.5	7.6	E4-1/3-4	G4T-2-4	I4T-3-4	H5-5-4	G5T-5-4	H5T-7.5-4
60	4.2	8.5	E4-1/3-4	G4T-2-4	I4T-3-4	H5-5-4	G5T-5-4	H5T-7.5-4
70	4.8	10.0	G4-1/2-4	G5-2-4	H5-3-4	G5T-5-4	G5T-5-4	H5T-7.5-4
80	5.5	11.0	G4-1/2-4	G5-2-4	H5-3-4	G5T-5-4	G5T-5-4	H5T-7.5-4
100	6.9	14.0	I4-3/4-4	G5-2-4	J5-5-4	K5-7.5-4	I5T-7.5-4	I5T-10-4
125	8.6	17.5	I4-3/4-4	G5-2-4	J5-5-4	K5-7.5-4	I5T-7.5-4	I5T-10-4
150	10.7	21.0	I4-3/4-4	J5-5-4	K5-7.5-4	L5-10-4	D6T-7.5-4	E6T-20-4
200	13.8	28.0	M4-1.5-4	K5-5-4	L5-10-4	D6T-7.5-4	E6T-15-4	G6T-20-4
250	17.3	33.0	M4-1.5-4	L5-7.5-4	E6T-10-4	E6T-10-4	G6T-20-4	-
300	20.7	38.0	P4-1.5-4	G6-10-4	G6T-10-4	G6T-15-4	K6T-25-4	-
350	24.2	43.0	P4-1.5-4	G6-10-4	G6T-10-4	G6T-15-4	K6T-25-4	-
400	27.6	48.0	R4-1.5-4	J6-15-4	G6T-15-4	G6T-15-4	K6T-25-4	-
500	34.5	57.0	M5-2-4	G6T-10-4	J6T-20-4	J6T-20-4	-	-