Swimming Pool Energy Efficiency Compliance Information NOTE: These Requirements Apply ONLY to the Filtration Pump

ANSI/SPSP/ICC-15 2011

Pool water volume + 360 = gpm - 1 Note: for pools under 13,000 gals. The calculated flow a If there is an Auxillary load on the filtration put If so, what is the calculated auxillary flow rate gpm @ rpm.	rate or 36 gpm whichever is greater = the filtration flow rat mp? Yes No			
Minimum suction side pipe size @ 6 fps in. Minimum suction side pipe size @ 6 fps in. Minimum suction side pipe size @ 6 fps in. Minimum suction side pipe size @ 6 fps in. Minimum suction side pipe size @ 6 fps in. Minimum suction side pipe size @ 6 fps in. Minimum suction side pipe size @ 6 fps in.				
Filter Factors (GPM/SF) Cartridge (0.375) DE (2.0)	Sand (15)			
Filter Size: / = Filter Size	(Filter Make and Model)			
Filtration pump has no auxillary load – standard time clock Filtration pump with auxillary load – Control model for low speed of Heater Model (No Pilot Light) Heat Pump efficiency C.O.P	lefault within 24 hr			
ANSI 5 & ANSI 7 Com Determine Simplified TDH: 1. Distance from pool to pump in feet	apliance Work Sheet			
2. Fiction loss (in suction pipe) in inch pipe per 1 ft. @	opm = (from pine flow/friction loss chart)			
3. Fiction loss (in suction pipe) in inch pipe per 1 ft. @				
	TDH in Piping			
Determine Simplified TDH:	Filter/Heater loss in TDH			
4. (Length of Suct. Pipe)	All other losses			
(Length of Return Pipe) (Ft of head/1 ft. of Pipe) (TDH Suct. Pipe)	Total Dynamic Head (TDH):			
Determine Pipe Sizes:				
Branch Piping to be inch to keep velocity @ 6 Trunk, Skimmer &				
Suction Piping to be inch to keep velocity @	fps max. at gpm System Flow Rate.			

Pump Selection as Listed on Curve A o	r C (circle one)							
Filtration pump	Maximum Flow Rategpm							
						•		
Main Drain Cover (Make and Mode)	1)							
Determine the Number and Type of Rec	quired In-Floor	Suction	on Out	lets:				
Check all that apply.								
3'-0"	2			suction outlets @		gpm ma	gpm max. flow	
	3			suction outlets @		gpm ma	gpm max. flow	
				channel drain @		gpm w/	gpm w/ports	
Flow and Friction Loss Per Foot Schedule 40 PVC Pipe								
		Velocity - Feet Per Second						
Pipe Size	6 fps		8 fps		10 fps			
1"	16 gpm	0.14'		21 gpm	0.23'	28 gpm	0.35'	
1.5"	37 gpm	0.08'		50 gpm	0.14'	62 gpm	0.21'	
2"	62 gpm	0.06'		82 gpm	0.10'	103 gpm	0.16'	
2.5"	88 gpm	0.05'		117 gpm	0.09'	146 gpm	0.13'	
3"	136 gpm	0.04'		181 gpm	0.07'	227 gpm	0.10'	
4"	234 gpm	0.03'		313 gpm	0.05'	392 gpm	0.07'	
6"	534 gpm	0.02'		712 gpm	0.03'			
TDH Calculation Options For each pump Check one. Simplified Total Dynamic Head (STDH) Complete STDH Worksheet – Fill in all blanks Total Dynamic Head (TDH) Complete Program or other calcs. Fill in required blanks on worksheet & attach calculations.				Date ontractor Signa	uture	OWNER		
							slav Nama	
Maximum Flow Capacity Of the new or replacement pump	p.		Contractor Telephone No.			Scale: None		