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

# TECHNICAL DATA SHEET

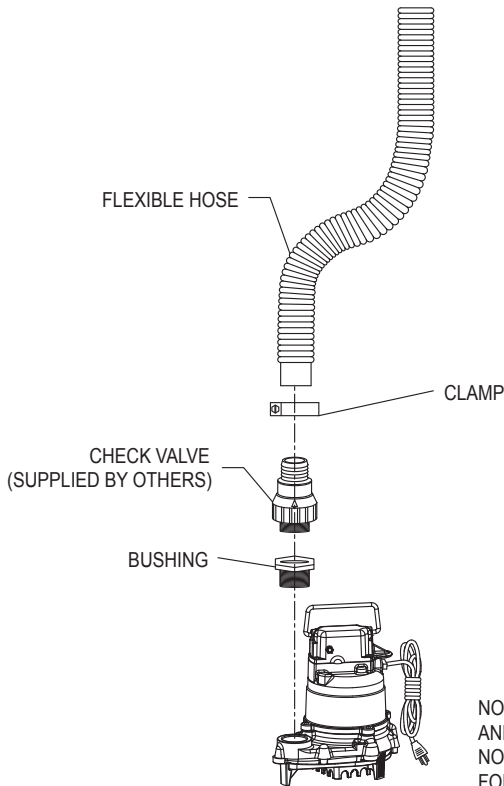
## CRAWL SPACE® PUMPING SYSTEMS

*Models 108, 138*

Eliminates water and dampness.

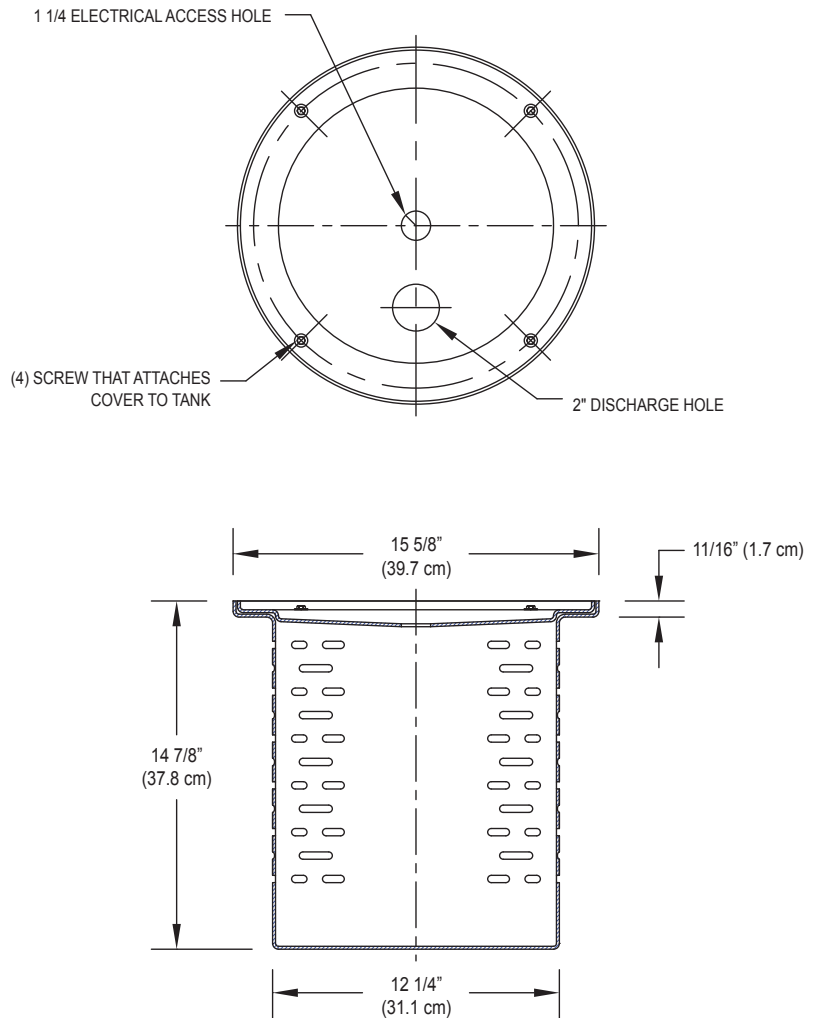
### PRODUCT SPECIFICATIONS

- System includes an automatic pump, 24' (7.32 m) hose and tank assembly.
- 1/2" (12.7 mm) solids-passing capacity
- Non-clogging vortex impeller
- 20' (6 m) power cord on Economy System 108-0009 (model 49)
- 25' (8 m) power cord on Basic 108-0001 (model 53) and High Flow Systems 138-0001 (model 98)



NOTE: FLOAT AND SWITCH NOT SHOWN FOR CLARITY.

SK1805



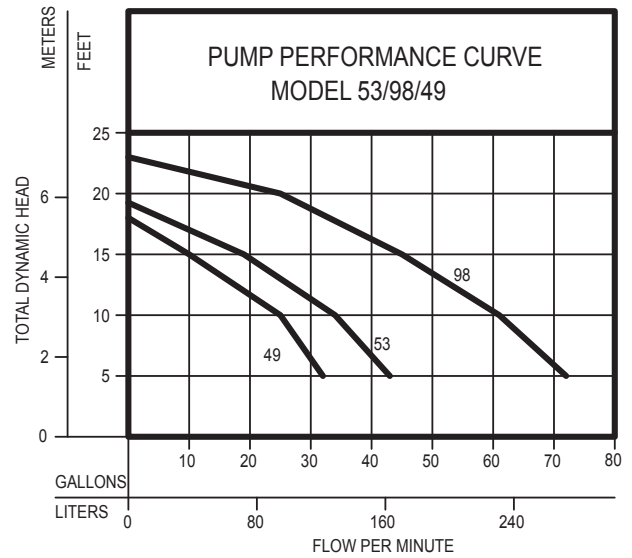
SK2996

## TOTAL DYNAMIC HEAD FLOW PER MINUTE

MODEL		53		98		49	
Feet	Meters	Gal.	Liters	Gal.	Liters	Gal.	Liters
5	1.5	43	163	72	273	32	121
10	3.0	34	129	61	231	25	95
15	4.6	19	72	45	170	10	38
20	7.1	--	--	25	95	--	--
Shut-off Head:		19.25 ft.(5.9m)		23 ft.(7.0m)		18 ft.(5.5m)	

See FM2777 (model 49), FM2778 (model 53), FM2779 (model 98) for complete pump specifications.

53, 98 pumps powered by  Zoeller Motor Works motor

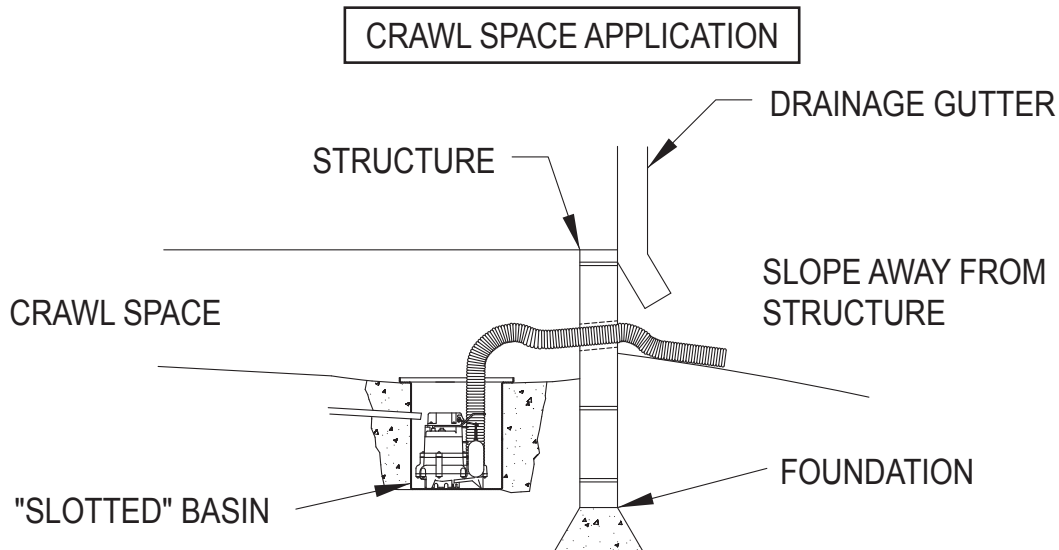


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### INSTALLATION INSTRUCTIONS UNDER THE STRUCTURE (Detailed installation instructions (FM1648) is included with unit.)

1. Select an area that collects water, typically near a foundation, and dig a hole approximately 6" (152 mm) wider and deep enough to allow the tank lid to be 2" (51 mm) above the ground.
2. If installing drain lines or weep tiles, complete the installation before placing basin in pit.
3. Place "slotted" basin (and extension, if used) in pit and install pump into pit. Connect drain lines or weep tiles to basin.
4. Place plastic sheeting on the ground after grading ground towards pit (available at hardware stores or garden centers).
5. Run power cord to a 3-prong grounded receptacle (per the NEC) and direct discharge line away from structure.
6. Test unit
7. Backfill with clean gravel that is larger than the slots in the basin. Check system once a year for debris and clean as necessary.

NOTE: If backflow from the discharge line "short-cycles" the pump, then a check valve (P/N 30-0183) should be installed in the discharge line below the frost line. Refer to section 5.1 in the installation instructions (FM1648).



SK1810

**CAUTION** All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).