

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



PUMP COMPANY

Zoeller Family of Water Solutions™

TECHNICAL DATA SHEET

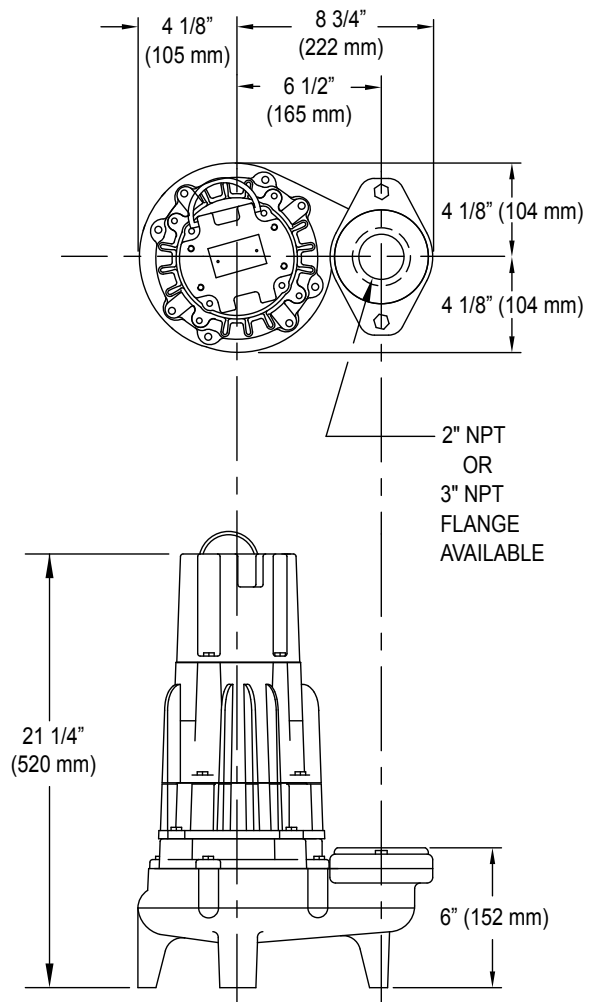
HIGH HEAD AGRICULTURAL SERIES

Models 4290, 4291 Double-Seal Pumps

Specifically designed for lagoon or sump pit applications.

PRODUCT SPECIFICATIONS

MOTOR	Horse Power	1 or 2
	Voltage	200 - 575
	Phase	1 or 3
	Hertz	60
	RPM	3450
	Type	Permanent split capacitor or 3 Ph
	Insulation	Class B/4290, Class F/4291
	Amps	3.3 - 14.5
PUMP	Operation	Nonautomatic
	Discharge Size	2" or 3" NPT vertical flange
	Solids Handling	1-1/2" (38 mm) spherical solids
	Cord Length	50' (15 m) standard
	Cord Type	UL listed neoprene
	Max. Head	46' (14 m)
	Max. Flow Rate	176 GPM (11.1 m³/hr)
	Max. Operating Temp.	130°F (54°C)
	Cooling	Oil filled
	Motor Protection	Auto reset thermal overload (1 Ph)
MATERIALS	Cap	Cast iron
	Motor Housing	Cast iron
	Pump Housing	Cast iron
	Base	Cast iron
	Upper Bearing	Ball bearing
	Lower Bearing	Ball bearing
	Mechanical Seals	Silicon carbide/carbon upper, silicon carbide/silicon carbide lower
	Impeller Type	Non-clogging vortex
	Impeller	Bronze
	Hardware	Stainless steel
	Motor Shaft	416 stainless steel
	Gasket	Neoprene



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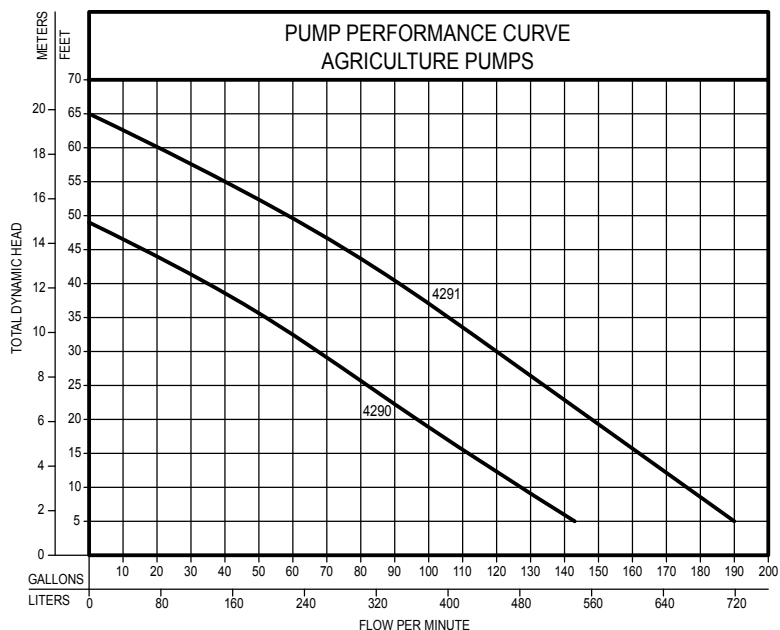
NOTE: See model comparison chart for specific details.



TOTAL DYNAMIC HEAD FLOW PER MINUTE

MODEL		4290		4291	
Feet	Meters	Gal.	Liters	Gal.	Liters
5	1.5	143	541	190	719
10	3.0	127	481	176	666
20	6.1	96	363	148	560
30	9.1	68	257	120	454
40	12.2	37	140	92	348
50	15.2	--	--	60	227
60	18.3	--	--	21	79
Shut-off Head:		49 ft.(14.9m)		65 ft.(19.8m)	

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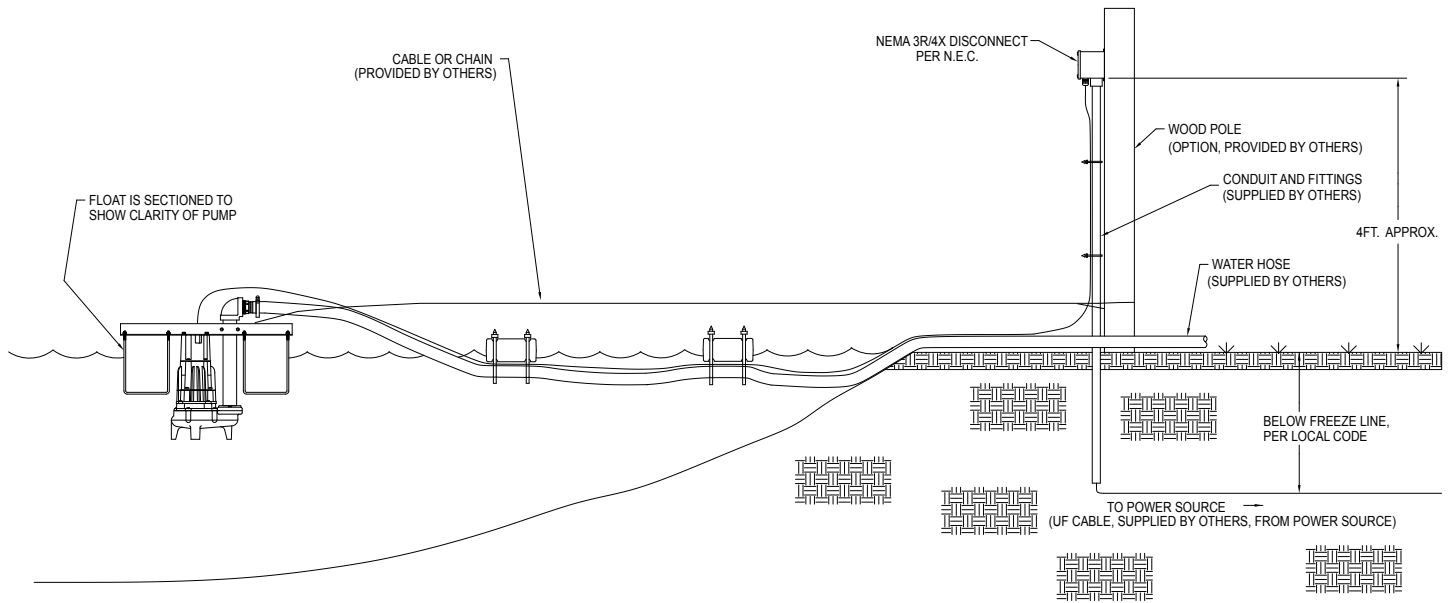


Model	MODEL COMPARISON						
	Volts	Ph	Amps	HP	Hz	Lbs	Kg
E4290	230	1	9.0	1	60	100	45
I4290	200	1	10.8	1	60	100	45
J4290	200	3	7.3	1	60	100	45
F4290	230	3	6.5	1	60	100	45
G4290	460	3	3.3	1	60	100	45
BA4290	575	3	consult factory	1	60	100	45
E4291	230	1	14.5	2	60	102	46
I4291	200	1	17.5	2	60	102	46
J4291	200	3	11.4	2	60	102	46
F4291	230	3	10	2	60	102	46
G4291	460	3	5	2	60	102	46
BA4291	575	3	consult factory	2	60	102	46



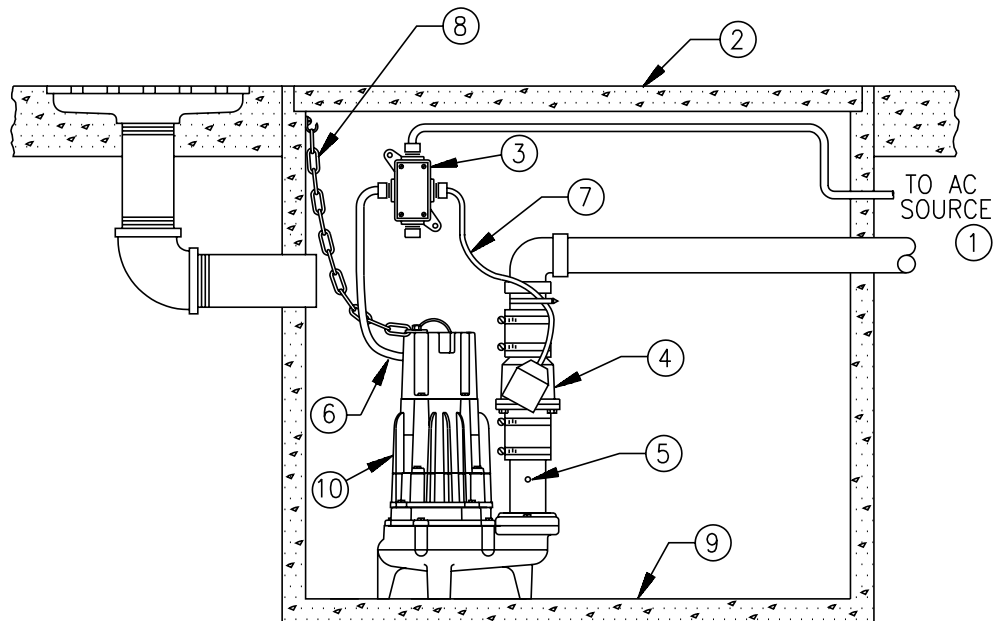
All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

LAGOON RECIRCULATION SYSTEMS



SK1622

PIT SYSTEMS



SK1605

Pump Pontoons (See FM1507 for Specs.)

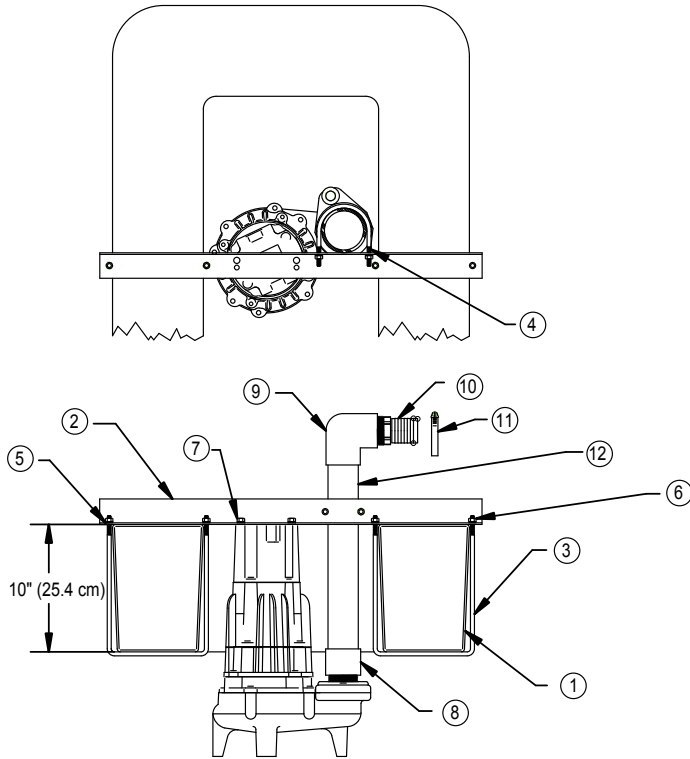
P/N 10-0624 Pontoon and hardware kit for connection to 2" discharge conduit.

P/N 10-0625 Pontoon and hardware kit for connection to 3" discharge conduit.

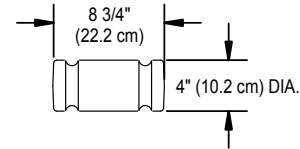
Pipe Floats

P/N 10-0631 Includes four floats with nylon pipe straps.

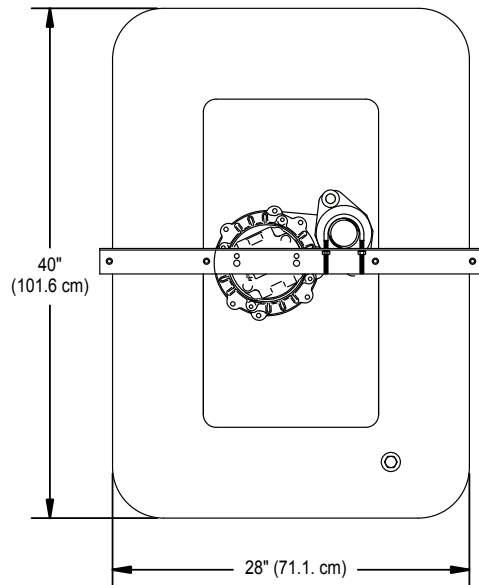
AGRICULTURAL PONTOON & ACCESSORIES SPECIFICATIONS



10-0625 3" DISCHARGE AG. PONTOON		
#	DESCRIPTION	QTY.
1	FLOAT, PONTOON 4290/4291 POLYETHYLENE	1
2	SUPPORT, ANGLE IRON SS 2 X 2 X 1/8 X 30 (51 x 51 x 3.2 x 762 mm)	1
3	U-BOLT, SUPPORT LOCATOR SS	2
4	U-BOLT, DISCHARGE CLAMP SS	1
5	WASHER, LOCK SS 5/16 ID	8
6	NUT, 5/16-18 HEX-SS	6
7	SCREW, 5/16-18 X 3/4" HEX CAP SS	2
8	FITTING, 3" NPT ADAPTER SCHD 40 PVC	1
9	FITTING, 3" 90D SCHD 40 PVC FPT X SOC	1
10	FITTING, HOSE NIPPLE 3" MPT X BARB - POLYPROPYLENE	1
11	CLAMP, #60 WORM-SS	1
12	PIPE 3" SCHD 40 PVC X 18-7/16"	1



10-0631 AG. HOSE FLOAT ACCESSORIES	
DESCRIPTION	QTY.
FLOAT, HOSE AG. PUMP 4290/4291	4
TIE, CABLE 1/2 W X 21 1/2 LG (12.7 W X 546.1 LG MM) - OUTDOOR NYLON	8



10-0624 2" DISCHARGE AG. PONTOON		
#	DESCRIPTION	QTY.
1	FLOAT, PONTOON 4290/4291 POLYETHYLENE	1
2	SUPPORT, ANGLE IRON SS 2 X 2 X 1/8 X 30 (50 X 51 X 3.2 X 762 MM)	1
3	U-BOLT, SUPPORT LOCATOR SS	2
4	U-BOLT, DISCHARGE CLAMP SS	1
5	WASHER, LOCK SS 5/16"	8
6	NUT, 5/16-18 HEX-SS	6
7	SCREW, 5/16-18 X 3/4" HEX CAP SS	2
8	FITTING, 2" NPT ADAPTER SCHD. 40 PVC	1
9	FITTING, 2" 90D SCHD 40 PVC FPT X SOC	1
10	FITTING, HOSE NIPPLE 2" MPT X BARB - POLYPROPYLENE	1
11	CLAMP, #36 WORM-SS	1
12	PIPE, 2" SCHD 40 PVC X 18-7/16"	1

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