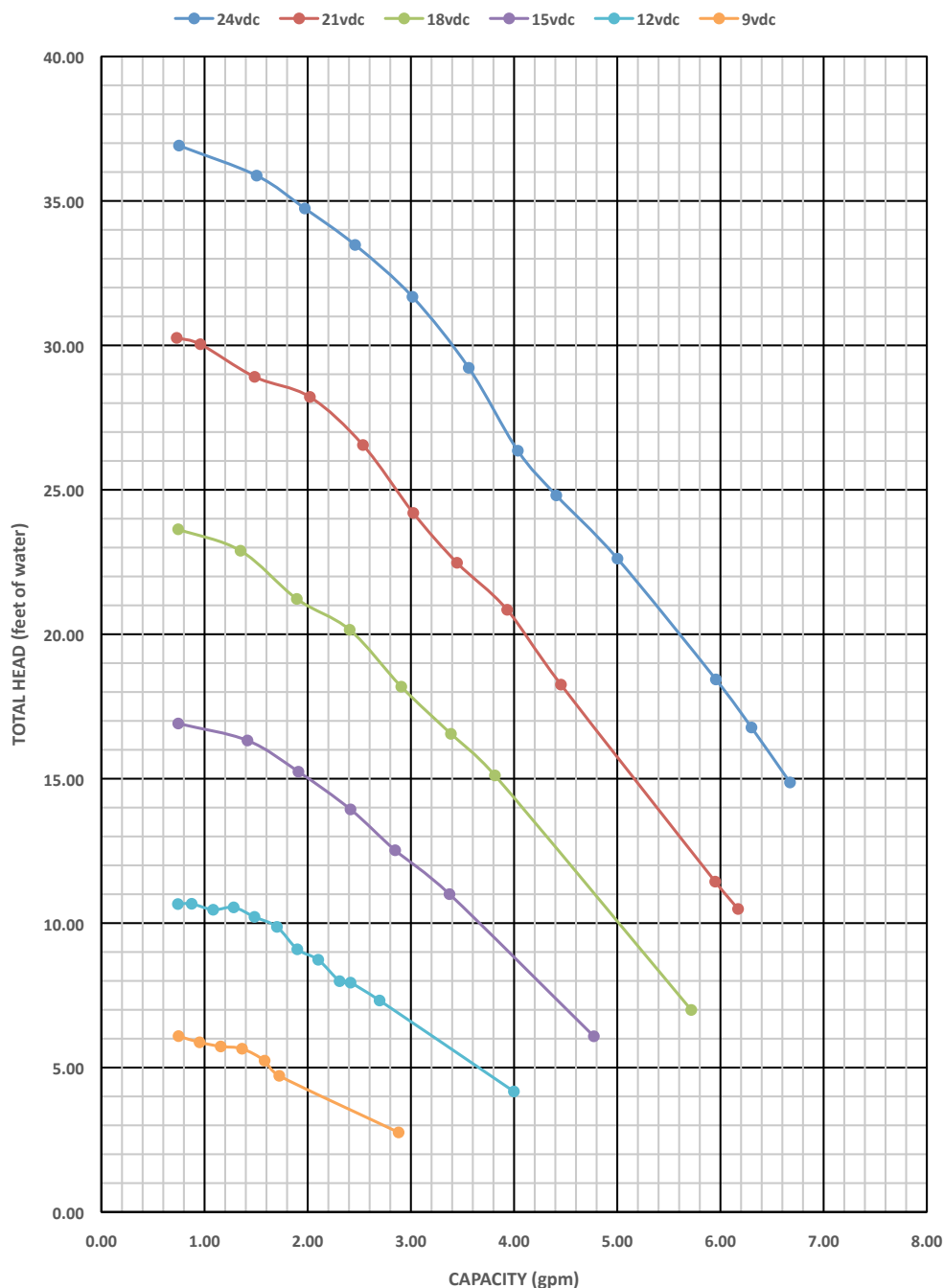


INTG3-564 EPDM / 565 FKM

Performance Curve

INTEGRITY^{series}™



Motor specifications

Motor: Integrated, Brushless DC

Supply Voltage: 9-24 VDC

It is recommended that the customer provide circuit over current protection to the pump. 5 amp fast acting fuse is recommended.

Do Not Run Pumps Dry. Must have a flooded suction environment.

Electronics Max Power: 60 watts.

Note: Testing performed in a controlled laboratory environment. Actual performance may vary (+) or (-) 10% from the information shown.

INTG3-564 EPDM / 565FKM

Performance, Electrical Data

INTEGRITY^{series}™

24 VDC							
Flow (GPM)	Flow (LPM)	Ttl. Hd. (Ft)	Ttl. Hd. (PSI)	Ttl. Hd. (M)	Watts	Volts	Amps
6.67	25.26	14.87	6.45	4.53	58.31	24.01	2.43
6.30	23.85	16.77	7.27	5.11	56.88	24.01	2.37
5.96	22.54	18.44	7.99	5.62	56.05	24.01	2.33
5.00	18.93	22.62	9.81	6.90	53.68	24.01	2.24
4.41	16.69	24.81	10.75	7.56	51.05	24.01	2.13
4.04	15.28	26.35	11.42	8.03	49.81	24.01	2.08
3.56	13.48	29.22	12.67	8.91	47.67	24.01	1.99
3.01	11.41	31.68	13.73	9.66	45.31	24.01	1.89
2.46	9.31	33.48	14.51	10.21	42.96	24.01	1.79
1.97	7.47	34.74	15.06	10.59	39.99	24.01	1.67
1.50	5.70	35.88	15.55	10.94	37.17	24.01	1.55
0.75	2.85	36.92	16.00	11.26	32.51	24.01	1.35
0.00	0.00	39.74	17.23	12.12	28.45	24.01	1.19

21 VDC							
Flow (GPM)	Flow (LPM)	Ttl. Hd. (Ft)	Ttl. Hd. (PSI)	Ttl. Hd. (M)	Watts	Volts	Amps
6.17	23.36	10.49	4.55	3.20	43.69	21.01	2.08
5.95	22.52	11.44	4.96	3.49	43.19	21.01	2.06
4.45	16.86	18.26	7.91	5.57	39.31	21.01	1.87
3.93	14.89	20.85	9.04	6.36	37.80	21.01	1.80
3.45	13.05	22.47	9.74	6.85	35.70	21.00	1.70
3.02	11.44	24.20	10.49	7.38	34.21	21.01	1.63
2.54	9.60	26.55	11.51	8.09	32.45	21.01	1.55
2.02	7.65	28.22	12.23	8.60	30.52	21.00	1.45
1.49	5.62	28.91	12.53	8.81	28.09	21.01	1.34
0.96	3.63	30.04	13.02	9.16	25.54	21.01	1.22
0.73	2.76	30.26	13.12	9.23	24.44	21.01	1.16
0.00	0.00	32.62	14.14	9.95	21.13	21.01	1.01

18 VDC							
Flow (GPM)	Flow (LPM)	Ttl. Hd. (Ft)	Ttl. Hd. (PSI)	Ttl. Hd. (M)	Watts	Volts	Amps
5.72	21.64	6.99	3.03	2.13	31.10	18.00	1.73
3.81	14.44	15.11	6.55	4.61	26.81	18.00	1.49
3.39	12.82	16.55	7.18	5.05	25.65	18.00	1.42
2.91	11.00	18.18	7.88	5.54	24.32	18.00	1.35
2.41	9.11	20.15	8.74	6.14	22.91	18.00	1.27
1.89	7.17	21.22	9.20	6.47	21.37	18.00	1.19
1.35	5.11	22.89	9.92	6.98	19.51	18.00	1.08
0.74	2.82	23.63	10.25	7.21	17.15	18.00	0.95
0.00	0.00	23.36	10.13	7.12	14.71	18.00	0.82

15 VDC							
Flow (GPM)	Flow (LPM)	Ttl. Hd. (Ft)	Ttl. Hd. (PSI)	Ttl. Hd. (M)	Watts	Volts	Amps
4.77	18.07	6.08	2.64	1.85	19.74	15.00	1.32
3.37	12.77	11.00	4.77	3.35	17.56	15.00	1.17
2.85	10.78	12.52	5.43	3.82	16.48	15.00	1.10
2.41	9.14	13.94	6.04	4.25	15.56	15.00	1.04
1.91	7.23	15.24	6.61	4.65	14.43	15.00	0.96
1.42	5.36	16.32	7.08	4.98	13.22	15.00	0.88
0.74	2.82	16.91	7.33	5.16	11.36	15.00	0.76
0.00	0.00	17.64	7.65	5.38	9.42	15.00	0.63

Note: Testing performed in a controlled laboratory environment. Actual performance may vary (+) or (-) 10% from the information shown.



INTG3-564 EPDM / 565FKM

Performance, Electrical Data

INTEGRITY^{series}™

12 VDC							
Flow (GPM)	Flow (LPM)	Ttl. Hd. (Ft)	Ttl. Hd. (PSI)	Ttl. Hd. (M)	Watts	Volts	Amps
4.00	15.13	4.17	1.81	1.27	11.54	12.00	0.96
2.70	10.21	7.32	3.17	2.23	10.50	12.00	0.87
2.41	9.14	7.94	3.44	2.42	9.95	12.00	0.83
2.31	8.74	7.99	3.46	2.44	9.78	12.00	0.81
2.10	7.96	8.73	3.79	2.66	9.46	12.00	0.79
1.90	7.19	9.09	3.94	2.77	9.17	12.00	0.76
1.70	6.44	9.87	4.28	3.01	8.85	12.00	0.74
1.48	5.62	10.22	4.43	3.11	8.46	12.00	0.70
1.28	4.85	10.55	4.57	3.22	8.14	12.00	0.68
1.08	4.10	10.46	4.54	3.19	7.70	12.00	0.64
0.87	3.31	10.67	4.63	3.25	7.34	12.00	0.61
0.74	2.81	10.66	4.62	3.25	7.13	12.00	0.59
0.00	0.00	11.42	4.95	3.48	5.91	12.00	0.49

9 VDC							
Flow (GPM)	Flow (LPM)	Ttl. Hd. (Ft)	Ttl. Hd. (PSI)	Ttl. Hd. (M)	Watts	Volts	Amps
2.88	10.91	2.76	1.19	0.84	6.26	9.00	0.70
1.72	6.53	4.71	2.04	1.44	5.46	9.00	0.61
1.58	5.99	5.24	2.27	1.60	5.33	9.00	0.59
1.36	5.16	5.65	2.45	1.72	5.20	9.00	0.58
1.16	4.38	5.73	2.48	1.75	5.06	9.00	0.56
0.95	3.60	5.87	2.55	1.79	4.78	9.00	0.53
0.75	2.83	6.09	2.64	1.86	4.56	9.00	0.51
0.00	0.00	6.51	2.82	1.98	3.93	9.00	0.44

Note: Testing performed in a controlled laboratory environment. Actual performance may vary (+) or (-) 10% from the information shown.

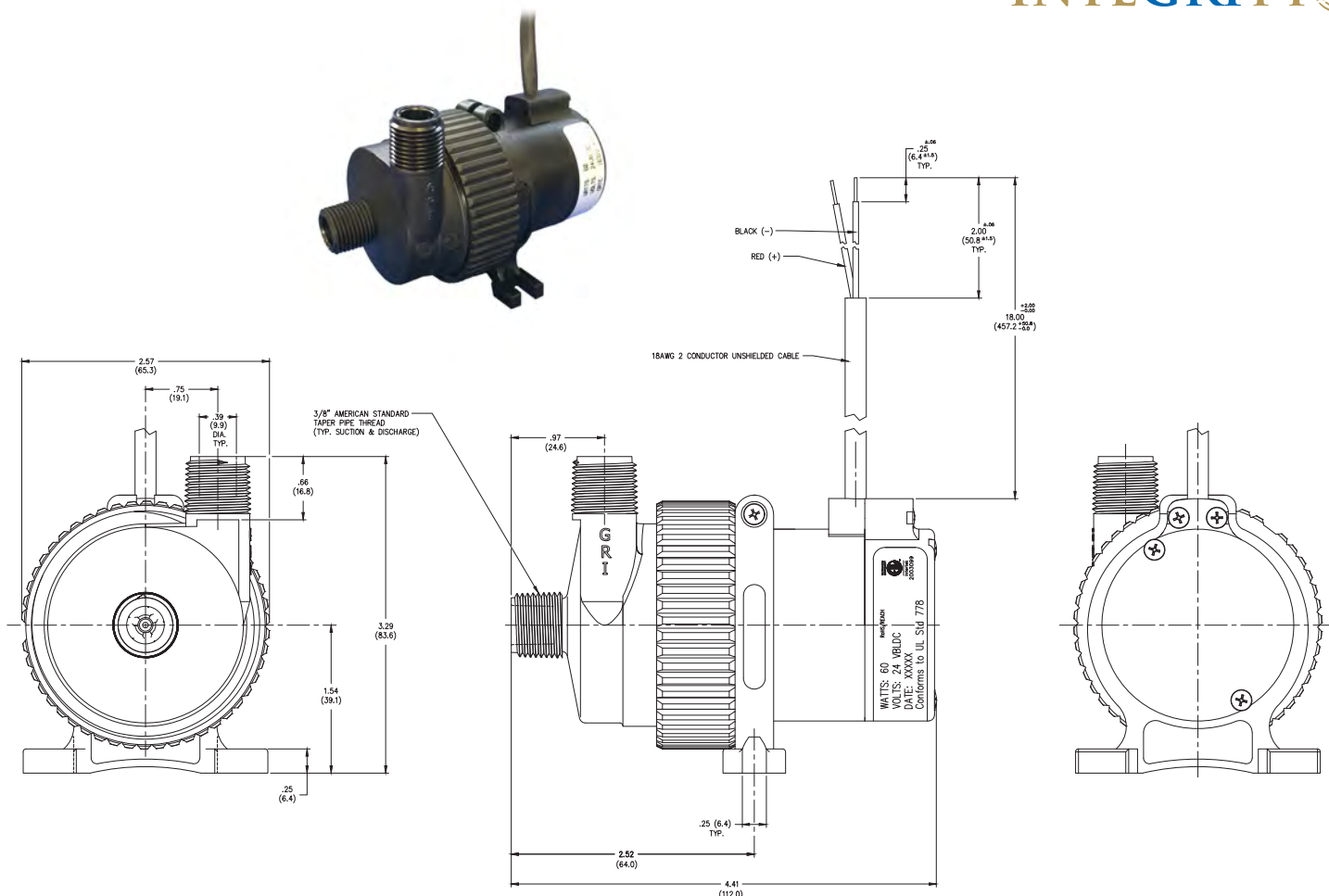


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INTG3-564 EPDM / 565 FKM

Drawing, General Specs, Wetted Materials

INTEGRITY^{series}™



Do Not Run Pumps Dry. Pumps must be in a continuous flooded suction environment.

General Specifications	
In-House Stator	50 Turns, 25 AWG
Motor Magnets	Segmented Neodymium
Supply Voltage / Motor	9 - 24 VDC / Integrated Brushless DC
Max Power	60 Watts
Driver	2 wire, Onboard
Suction Port	3/8" MPT
Discharge Port	3/8" MPT
Mounting Bracket	PPS material
Max Fluid Temp	203°F (95°C)
Max System Pressure	75 PSI
Weight	Approximately .8 LBS, 390 Grams
Product Test Report	PTR23491

Wetted Materials	
Pump Body	PPS
Pump Adapter	PPS
Impeller	PPS
Impeller Shaft	Ceramic
Bearing	Ceramic
Static O-Ring	EPDM: INTG3-564 FKM: INTG3-565
Agency Approvals	
UL778: Motor-operated Water Pumps	RoHS 2 (2011/65/EC)
NSF 61: Potable Water	REACH (SVHC)
NSF 372: Lead Content	



WIRING INSTRUCTIONS

It is recommended that the customer provide circuit over current protection to the pump. 5 amp fast acting fuse is recommended.

INTEGRITY Model pumps can be purchased with an optional remote motor speed control. Speed is controlled by a nominal 0-5 volt DC signal. (Actual control voltage is between 2.0 and 4.8).

What is the difference between pumps with 2-wire and 3-wire leads?

2-wire lead

Two wires provide voltage to the pump. Speed of the pump can be changed by increasing or decreasing the voltage supplied.

3-wire lead

Three wires are required when the pump speed is controlled by a nominal 0-5v DC signal. This is done through a control panel such as a computer or other control devices that is connected to the pump via the third wire. The 0-5v signal controls the speed of the pump, not the voltage supplied to the pump.

