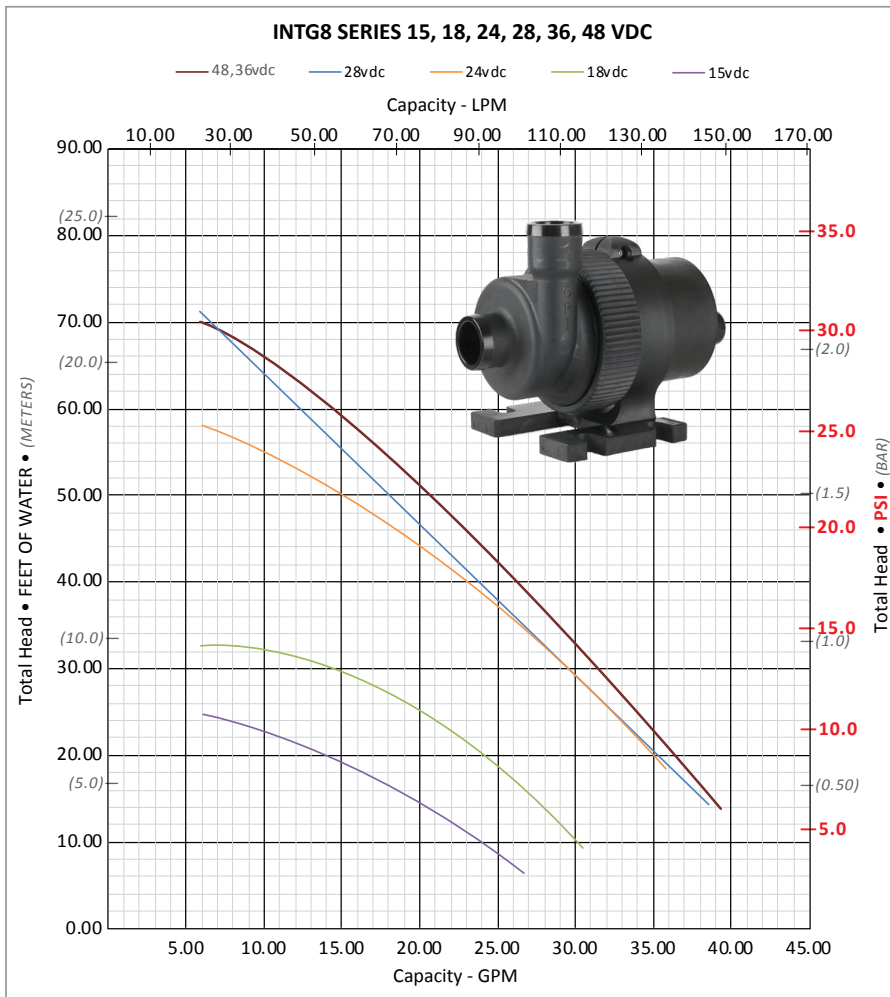


INTG8 Series • Performance @ Maximum Flow

Voltage	Flow (GPM)	Flow (L)	Ttl. Hd. (Ft)	Ttl. Hd. (PSI)	Ttl. Hd. (BAR)	Ttl. Hd. (M)
48 36vdc	39.0	147.6	13.84	6.00	0.41	4.22
28vdc	39.0	147.6	14.19	6.50	0.42	4.32
24vdc	36.0	136.3	18.0	7.76	0.54	5.46
18vdc	31.0	117.3	9.00	3.90	0.27	2.75
15vdc	27.0	102.2	6.36	2.76	0.19	1.94



Specifications

Maximum System Pressure: 75 psi
Approximate Weight (w/ external box): 5.1 lbs (2313.32 grams)
Ports: 1.25" MHB

Materials In Contact With Solution

Body: PPS	Housing: PPS	Static O-Ring: EPDM, FKM
Impeller: PPS	Pump Shaft: Ceramic	

Motor Specifications

Motor: Integrated, Brushless DC	Control Options
Supply Voltage: 12-24, 36, 48 VDC	
Electronics Maximum Power: 390 Watts	<ul style="list-style-type: none"> • Direct Supply Voltage: Speed of the pump determined by the voltage supplied • Analog: 0-5v DC signal • Digital: PWM • CAN-Bus: J1939 - Contact GRI. • Tachometer: Feedback option available
<i>To protect the control board, each Integrity Series pump will be issued with a Maximum Power limit (Watts). To stay within this limit, the recommended fuse size (Amps) will be based on the voltage supplied. (Watts = Voltage X Amps)</i>	

Maximum Fluid Temperature Rating Chart

Controller Position	Maximum Fluid Temp Rating
Separate from pump	221°F (105°C)
Within pump's housing	Not available

Various factors influence the recommended maximum temperature rating. These factors play a role in determining the pump's life and applied warranties. In some applications, a higher maximum fluid temperature rating may be warranted.

Factors influencing maximum temperature rating include, but are not limited to:

- Starting temperature of fluid in system
- Ambient temperature
- Required performance, application's specifications
- Run time

Optional Agency Approvals

Contact GRI	Many GRI pumps are RoHS & REACH compliant. For declarations by specific model numbers, please contact GRI.
UL778: Motor-Operated Water Pumps	
SAE J1455: Contact GRI	

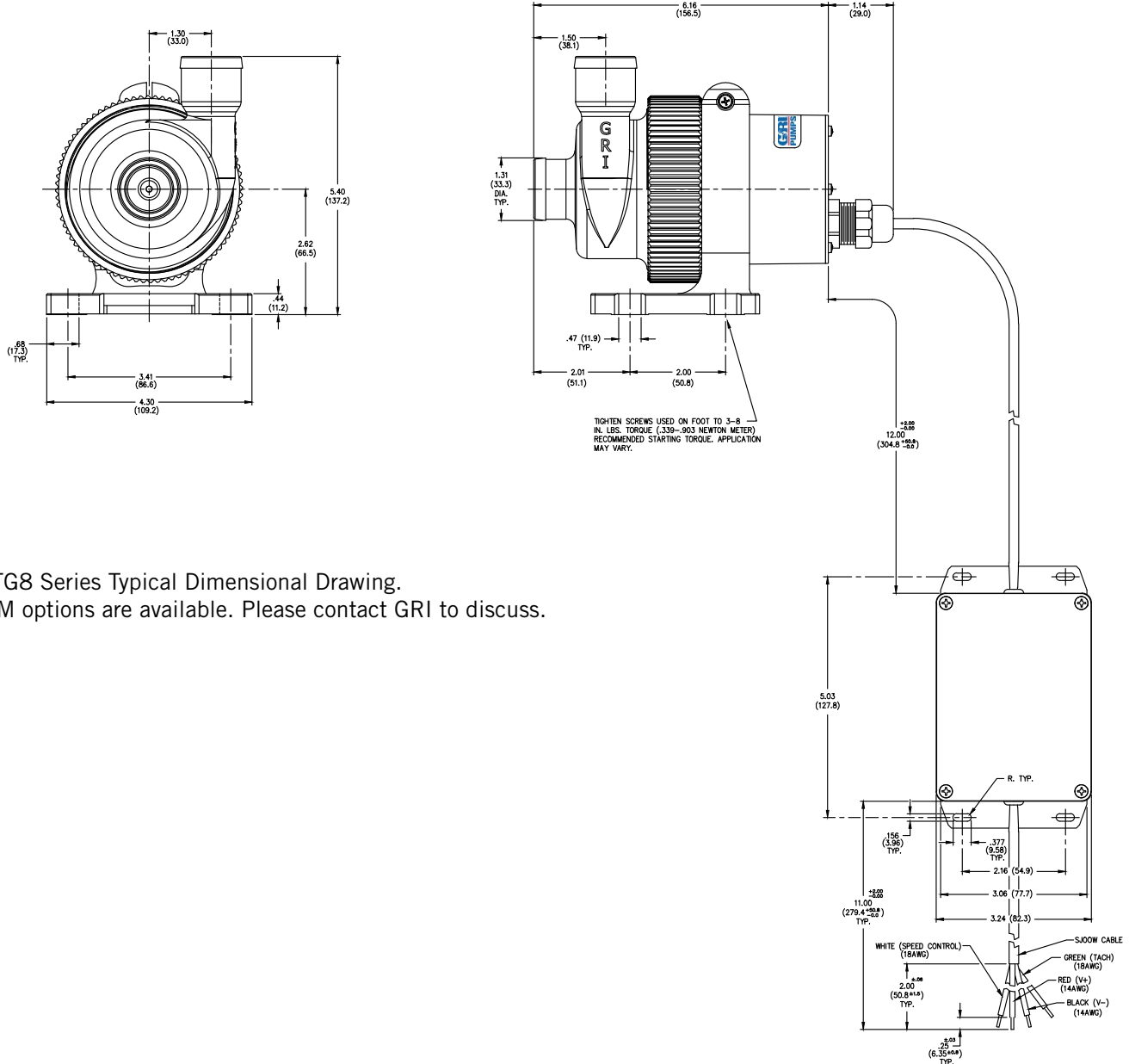
RoHS/REACH

IP (Ingress Protection)

IP68: No ingress of dust, protection against continuous water immersion.*
* Upon request only. Minimum quantities may be required.

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

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



INTG8 Series Typical Dimensional Drawing.
OEM options are available. Please contact GRI to discuss.

Integrity Series Pumps are designed and manufactured specifically for OEM customization. If you don't immediately find a pump that meets your exact requirements, our dedicated Pump Team is ready to work with you in developing a solution specific to your application.

Model	Voltage (VDC)	Speed Control	Lead Wires	Max. Flow GPM (LPM)	Max. Head Feet (PSI) (m)	Connections Inlet/Outlet (Inches)	O-Ring Material
INTG8-242	15-28	Direct	2 wires (+), (-)	39.0 (147.6)	77.0 (33.4) (23.5)	1.25 MHB	EPDM
INTG8-244	24.0	PWM / Analog (0-5v Nominal)	4 wires (+), (-), Speed Control, Tach	36.0 (136.3)	59.0 (25.6) (18.0)	1.25 MHB	EPDM
INTG8-482	36, 48	Direct	2 wires (+), (-)	38.0 (143.8)	69.0 (30.0) (21.0)	1.25 MHB	EPDM
INTG8-484	48.0	PWM / Analog (0-5v Nominal)	4 wires (+), (-), Speed Control, Tach	38.0 (143.8)	75.0 (32.5) (22.8)	1.25 MHB	EPDM

Connectors: MHB = Male Hose Barb | O-Ring Material: EPDM = Ethylene Propylene Diene Monomer, FKM = Fluoroelastomer (Available on request)