



TIONAL

Serving:

- Agricultural Equipment
- Aerial Work Platforms
- Aerospace Aircraft Support, Hangar Doors
- Cemetery and Mortuary Equipment
- Commercial Fishing Equipment
- Food Processing Equipment
- Home Leisure Pool Covers, Shore Stations
- Material Handling Equipment
- Medical Industry Wheelchairs Lifts and Gurneys
- Military Equipment
- Pleasure Vehicles RV Levelers, Slideouts, Yacht Davits, Swim Platforms, Shore Station s
- Specific Hardware: Cement Saws, Scissor Lifts
- Theatrical and Production Equipment
- Transportation Trucking, Tailgates, Hoists, Haulers, Vehicle Recovery Equipment
- Work Tables Industrial, Medical, Massage and Veterinary
- Work Trucks Bucket Trucks, Fire Truck Apparatus, Street Sweepers

Bi-Rotational Units

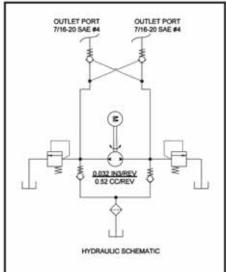
Model B-3108

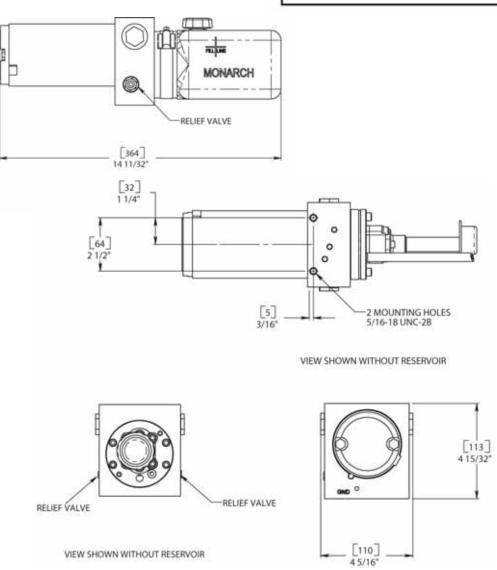
Description:

- Birotational Pump and Motor/Reservoir
- Check Valves
- Externally Adjustable Relief Valves Pilot-Operated Check Valves
- #4 SAE Outlets
- Horizontal Mounting

Popular O ption:

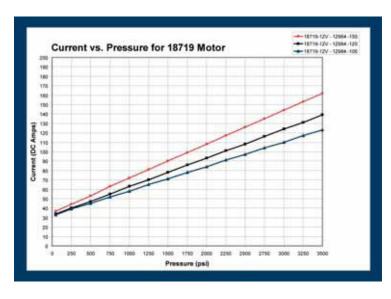
Vertical Mounting

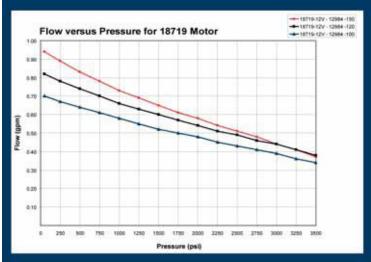




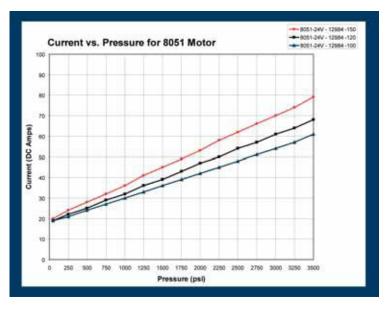


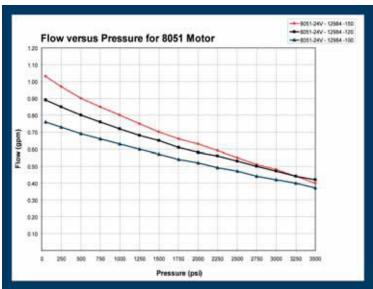
18719 - 3" - 12V Bi-Rotational Motor



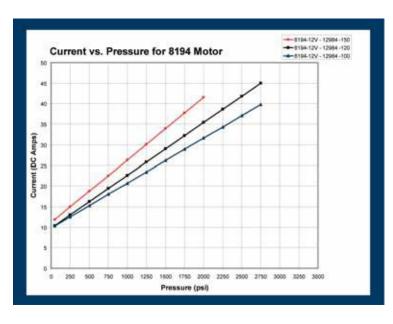


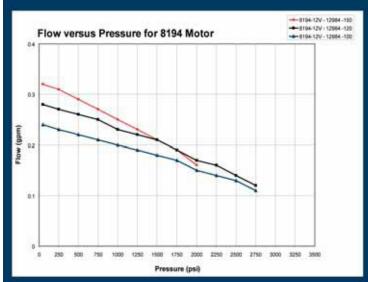
08051 - 3" - 24V Bi-Rotational Motor



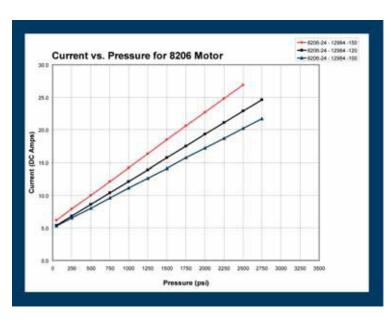


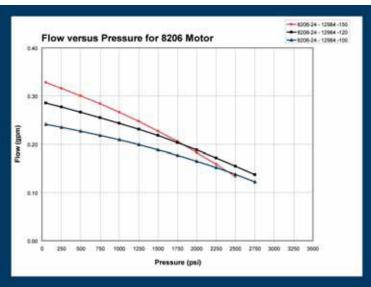
08194 - 3.17" - 12V Bi-Rotational Motor





08206 - 3.17" - 24V Bi-Rotational Motor





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Please refer to www.bucherhydraulics.com for metric specifications

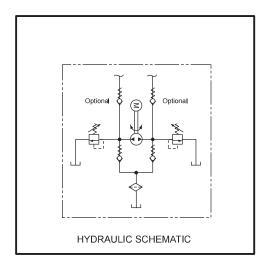
MODEL B-3504

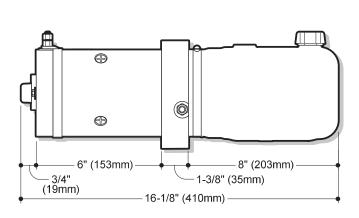
Description:

- · Birotational Pump and Motor/Reservoir
- Check Valves
- · Externally Adjustable Relief Valves
- #6 SAE Outlets
- · Horizontal Mounting

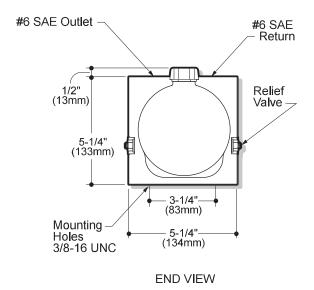
Popular Options:

- Check Valves in C1 and C2 Ports for Optional Manifold
- Vertical Mounting









Consult factory for additional options and specifications.

#6 SAE - Return

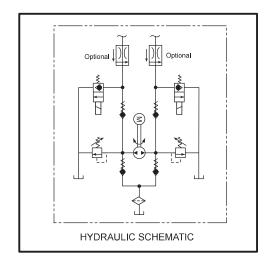
MODEL B-3547

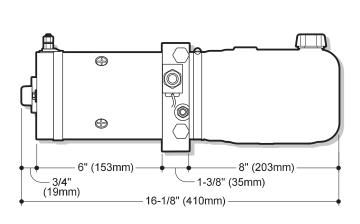
Description:

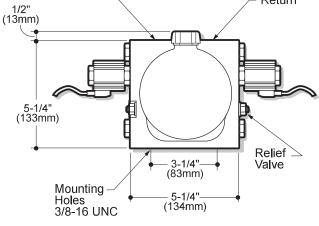
- Birotational Pump and Motor/Reservoir
- 2 x 2-Way/2 Position Solenoid Controlled Cartridge Valves Located Externally and Manifolded Directly to Unit.
- Check Valves
- Externally Adjustable Relief Valves
- #6 SAE Outlets
- · Horizontal Mounting

Popular Options:

- Pressure Compensated Flow Controls
- Vertical Mounting







SIDE VIEW

END VIEW

#6 SAE Outlet

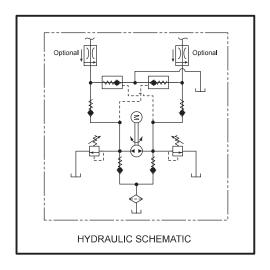
MODEL B-3530

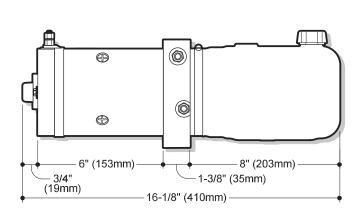
Description:

- · Birotational Pump and Motor/Reservoir
- · Check Valves
- Pilot-Operated Check Valves
- · Externally Adjustable Relief Valves
- #6 SAE Outlets
- Horizontal Mounting

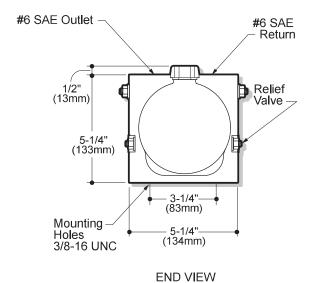
Popular Options:

- Pressure Compensated Flow Controls
- Vertical Mounting



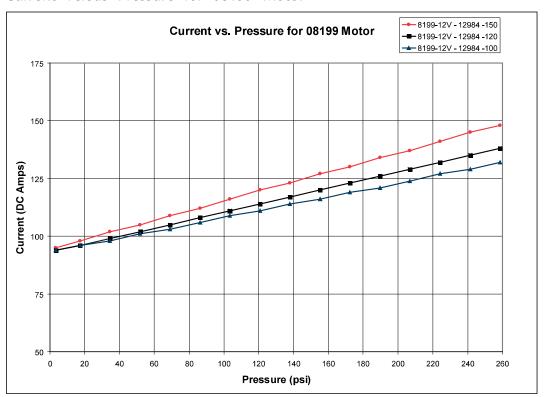


SIDE VIEW

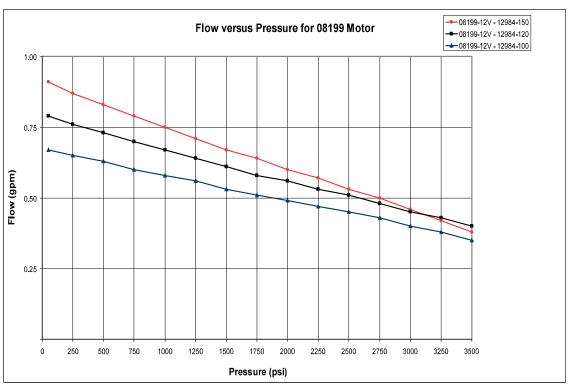


Current versus Pressure for 08199 Motor

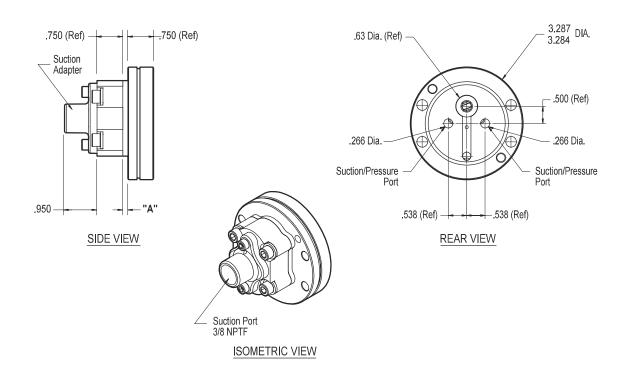
12V 4.5" DC motor



Flow versus Pressure for 08199 Motor

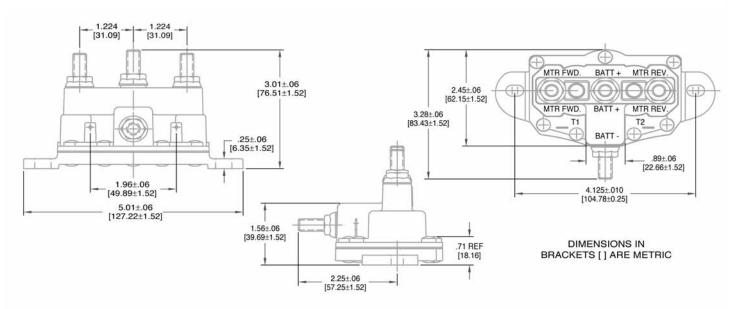


Birotational i - Pump



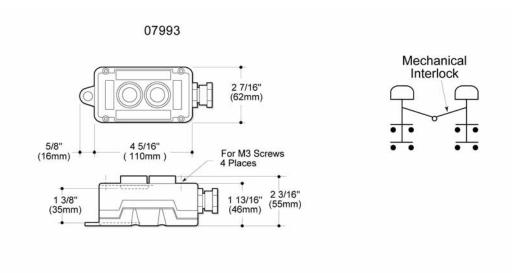
Bi-Rotational i - Pump Data					
Pump Number	"A"	Displacement (in³/Rev)	Displacement (cc/Rev)	Flow @ 1800 rpm (GPM)	
0 0 1	- 8 01 08	3 12 . 1 2 2 0 . (63.0	7 1 . 0	
12818-120	.120	0.027	0.44	0.21	
0 5 1	- 8 01 58	3 12 . 1 2 3 0 . (25.0	5 2 . 0	

Start Switches



Part Number	Voltage	Description
17911	12 VDC	SWITCH, SOLENOID ACTUATED MOTOR START, 12 VDC, REVERSING POLARITY
18546	24 VDC	SWITCH, SOLENOID ACTUATED MOTOR START, 24 VDC REVERSING POLARITY

Control Stations

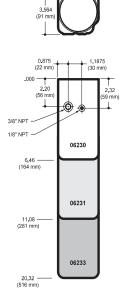


B-3100 Series

3.5" X 3.5" MINI

HORIZONTAL			VERTICAL			'L' Dim	
P/N Useabl		Volume	P/N	Useable Volume		L DIIII	
P/N	Cu IN	Liter	P/N	CU IN	Liter	Inch	mm
06230	30,51	0.50	06230	24.50	0.40	6.46	164.08
06231	62.04	1.02	06231	69.22	1,13	11,08	281.43
06233 *	125.10	2.05	06233 *	158.67	2.60	20.32	516.13

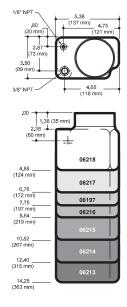
Poly



3.5" X 5.38" MINI

HORIZONTAL			VERTICAL			'L' Dim	
P/N	Useable	Useable Volume		Useable Volume		L DIM	
P/N	Cu IN	Liter	P/N	CU IN	Liter	Inch	mm
06218	32.34	0.53	06218	27.46	0.45	4.88	123.95
06217	50.89	0.83	06217	58,58	0.96	6.76	171,70
06197	60,66	0.99	06197	74.97	1,23	7,75	196,85
06216	69.44	1.14	06216	91.54	1.50	8.64	219.46
06215 *	88.00	1.44	06215 *	120.83	1.98	10.52	267,21
06214 *	106,55	1,75	06214 *	151,95	2.49	12.40	314.96
06213 *	125.10	2.05	06213 *	183.08	3.00	14.28	362.71

Poly



B-3500 Series

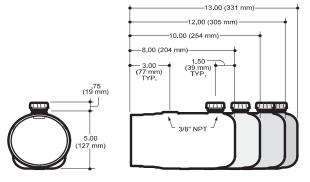
4.5" Diameter

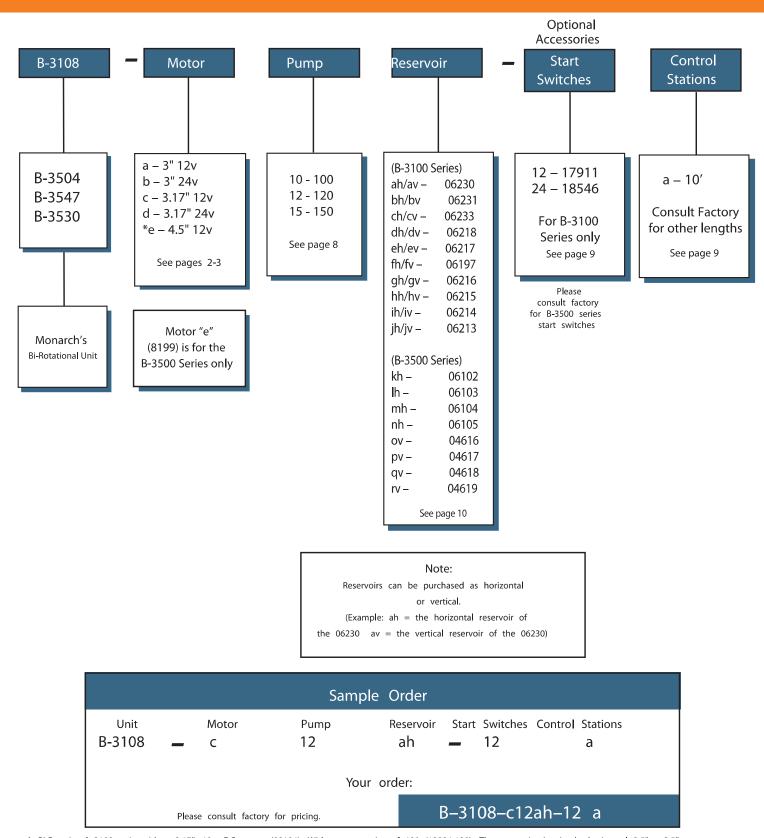
	HORIZONTAL				
Part No.	Useable	Volume	'L' Dim		
Part No.	Cu IN	Liter	Inch	mm	
06102	54.92	0.90	8.00	203.20	
06103	75.67	1.24	10.00	254.00	
06104	96,41	1,58	12.00	304.80	
06105	106.79	1.75	13.00	330.20	

	VERTICAL	'L' Dim			
Part No.	Useable	Volume	L DIIII		
	CUIN	Liter	Inch	mm	
04616	36.61	0.60	8.00	203.20	
04617	65.91	1.08	10.00	254.00	
04618	95.20	1.56	12.00	304.80	
04619	109.84	1.80	13.00	330.20	

Useable Volume may be increased 7.5% with the addition of a suction shroud assembly 13082 When using an I pump, up to 3% reduction in useable volume should be expected.

Poly





A Bi-Rotational 3108 unit, with a 3.17", 12v, DC motor (08194). With a pump size of 120 (12984-120). The reservoir size is the horizontal 3.5" x 3.5" mini (06230). The unit will have a 12v start switch (17911) and a standard control station of 10' (07993).



Mission Statement

Bucher Hydraulics is an innovative and worldwide leading provider of electro-hydraulic systems, with an emphasis in mobile hydraulics and selected markets, specializing in applications requiring technically demanding solutions.

Quality Policy

Bucher Hydraulics will provide our customers with products and services of continually improving quality to the mutual satisfaction of all parties.

Prototype Policy

After reviewing your system requirements and mutually agreeing on a design, we will manufacture a hydraulic system that will satisfy your objectives. The unit will be invoiced at an agreed upon price and marked "Prototype". Thereafter, you have 90 days free use of the product for testing and evaluation from the date of invoice. At the end of this period, you can purchase the unit as invoiced or return the unit via prepaid transportation for full credit. There is no risk to you or your customer.



Smart Solutions. Superior Support.

Bucher Hydraulics, Inc. 1363 Michigan Street NE Grand Rapids, MI 49503 USA Tel. +1 (616) 458-1306 Fax +1 (616) 458-0079 info.mi@bucherhydraulics.com www.bucherhydraulics.com