

New!

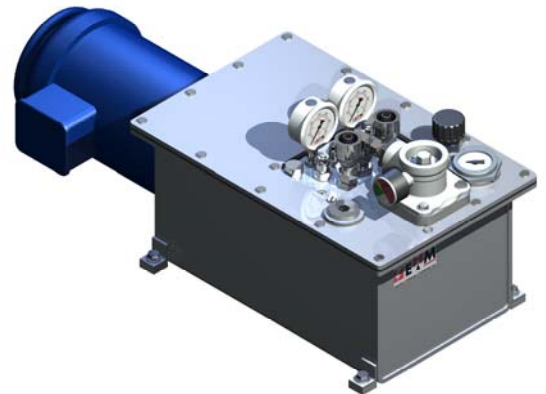


HiLo BiRo Power Units

- **Efficient minimal horsepower**
- **Heavy duty marine design**
- **Quiet operation**
- **316 Stainless steel reservoir and fittings**
- **Variable flow VFD option**
- **Full load counterbalance capability**



Electro Hydraulic Machinery's HiLo BiRo hydraulic units take advantage of an age old hydraulic circuit where a double pump delivers high flow at low pressure then switches to low flow at high pressure using a simple unloading valve. Both pumps deliver maximum flow to extend the actuator quickly, then high pressure at low flow kicks in when the load needs it most. This time tested unloading circuit has been used by industry for decades. EHM takes this simple technology to the next level by making it Bi-Rotational. The actuator is returned by changing the direction of the electric motor instead of a directional control valve. This same unloading circuit works in both directions without the use of troublesome solenoid valves and additional wiring.



The HiLo BiRo is a heavy duty low cost solution that works great powering actuators for presses, toggles, tools, machine slides, and many industrial or marine applications. Counterbalance and relief valves protect the load from run-away or overpressure. These rugged power units come in a compact design available either horizontal or vertical motor to work in small spaces at almost any inclination. Stainless steel reservoir, fittings, and hardware make them ideal for outdoor use in marine environments.

ELECTRO HYDRAULIC MACHINERY CO.

Model Number Selection

1	2	3	4	5	6	7	8	9	10	11	12
H	P	V	1	B	0	S	S	0	0	0	0

# 1	Model Code
H	HiLo BiRo Series

# 2	Model Code
P	Power Unit

# 3	Arrangement
V	Vertical Arrangement
H	Horizontal Arrangement

# 4	HP	110/1ph	220/1ph	230/3ph	460/3ph
1	2HP	● †	● †	●	●
	Amps	14	7	7	3.5
2	5HP			●	●
	Amps			16	8
3	10HP			●	●
	Amps			28	14

† = VFD option required

# 5	2HP	5HP	10HP	3000psi	4000psi
A	2.5 GPM				●
B	3 GPM			●	
C		6 GPM			●
D		8 GPM		●	
E			12 GPM		●
F			15 GPM	●	

Caution: Flow changes with pressure increase.
See individual flow charts for flow at certain pressure.

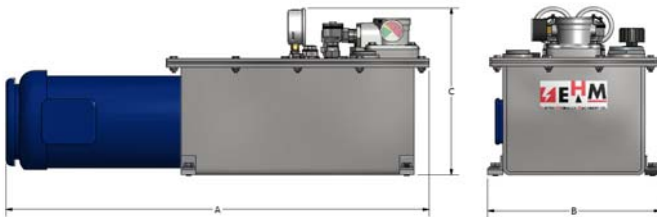
# 6	Optional Hand Pump
A	Auxiliary Hand Pump

# 7	Optional Drip Pan
S	Stainless Steel
A	Aluminum

# 8	Optional Cover
S	Stainless Steel
A	Aluminum

# 9	Optional Electrical Controls		
A	2HP	VFD	115 VAC
B	2HP	VFD	220 VAC
C	2HP	FVR	230/460
D	5HP	FVR	230/460
E	5HP	VFD	220 VAC
F	5HP	VFD	230/3ph
G	5HP	VFD	460/3ph
H	10HP	FVR	230/460
I	10HP	VFD	220 VAC
J	10HP	VFD	230/3ph
K	10HP	VFD	460/3ph

# 10 - 11 - 12	Special Option #
S	Special
O	Option
*	Number

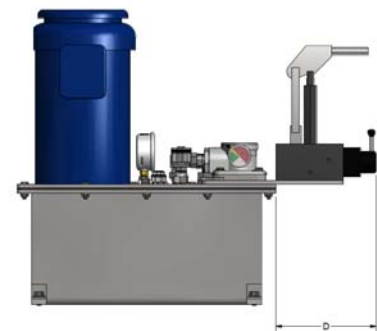


Horizontal Arrangement



Vertical Arrangement

Model	Dimensions (inches)					Tank Gallons	Weight Pounds
	Type	A	B	C	D		
2HP	Horizontal	29	12	12	7	3	110
2HP	Vertical	18	12	21	7	3	110
5HP	Horizontal	37	14	14	7	7	175
5HP	Vertical	24	14	34	7	7	175
10HP	Horizontal	40	14	14	7	7	225
10HP	Vertical	27	14	37	7	7	225



Hand Pump Option

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