3-Phase Electric Pumps

Electric Power Source

PE40DSP02G

PE60S4L06G

Pressure Settings
Custom pressure settings available upon request. Contact your local BVA dealer.

Safety Instructions
Visit our DO'S and DON'TS section to review the best methods of operation. Always be prepared.
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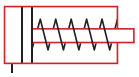
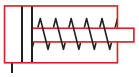
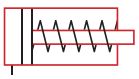
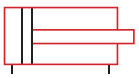
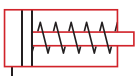
- All hand pendants are wired with 24 VAC
- Quiet operation meets OSHA regulations (80dBA)
- 2 speed operation allows for faster cylinder advance
- Full load starting capacities
- Internal suction strainer keeps contamination from damaging pump
- Rugged durable design meets the demands of industrial applications
- Precision components to minimize wear and improve overall dependability
- Motors are rated 50/60 Hz for voltage
- Reservoirs equipped with sight level gauges
- PE40 models are standard as 240 VAC 60 Hz
- PE60 Models are standard as 480 VAC 60 Hz

	Use with Cylinder Type		Flow Rate				Motor Size***
			1st Stage		2nd Stage		
			in³/min	psi	in³/min	psi	
Dump Solenoid Valve w/10 ft. Pendant							
	2W/2P Advance/Return (Auto*)		311	700	37	10,000	1.0 Hp
			592	700	110	10,000	3.0 Hp
	3W/2P Advance/Return**		311	700	37	10,000	1.0 Hp
			592	700	110	10,000	3.0 Hp
Manual Valve							
	3W/3P Advance/Hold Return		311	700	37	10,000	1.0 Hp
			592	700	110	10,000	3.0 Hp
	4W/3P Advance/Hold/Return		311	700	37	10,000	1.0 Hp
			592	700	110	10,000	3.0 Hp
Solenoid Valve w/10 ft. Pendant & Locking Plate							
	3W/3P Advance/Hold Return		311	700	37	10,000	1.0 Hp
			592	700	110	10,000	3.0 Hp
	4W/3P Advance/Hold/Return		311	700	37	10,000	1.0 Hp
			592	700	110	10,000	3.0 Hp

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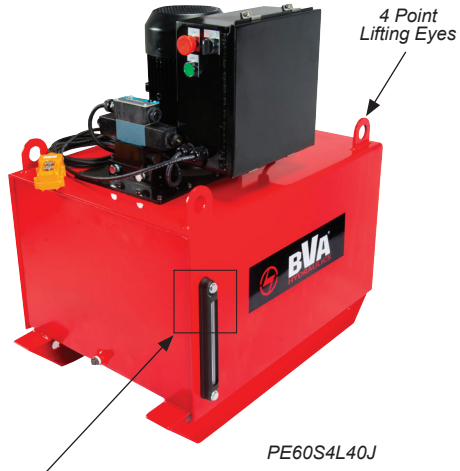
** Advance position holds pressure with motor running or off. Return retracts cylinder with motor off*
*** Advance position holds pressure with motor running and cylinder Returns when button is released.*
**** Standard voltage on the 1 Hp pump is 208-240 VAC 60 Hz; 3 Hp pump is 460-480 VAC 60 Hz*

40 Gallon Reservoir Features



PE60S4L40J

The 40-Gallon Reservoir is fabricated with a baffle separating return oil from suction oil. Comes standard with an aluminum sight and temperature gauge.

PE Series

Safety Practices

80%

Good industry practice recommends not exceeding 80% of maximum rated capacities of all our products.

Related Product: Gauges

Reduce the risk of overloading your product by using a gauge. A variety of graduations and types to suit any need.

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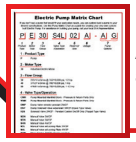
Additional Voltages



Additional voltage options are available, see part number matrix for options

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Usable Oil Capacity							
2 Gal	**3 Gal**	**5 Gal**	**6 Gal**	**10 Gal**	**15 Gal**	**25 Gal**	**40 Gal**
Model Number							
Dump Solenoid Valve w/10 ft. Pendant							
PE40H2S02G	PE40H2S03G	PE40H2S05G	-	PE40H2S10G	PE40H2S15G	PE40H2S25G	-
-	-	-	PE60H2S06J	PE60H2S10J	PE60H2S15J	-	PE60H2S40J
PE40DSP02G	PE40DSP03G	PE40DSP05G	-	PE40DSP10G	PE40DSP15G	PE40DSP25G	-
-	-	-	PE60DSP06J	PE60DSP10J	PE60DSP15J	-	PE60DSP40J
Manual Valve							
PE40M3N02G	PE40M3N03G	PE40M3N05G	-	PE40M3N10G	PE40M3N15G	PE40M3N25G	-
-	-	-	PE60M3N06J	PE60M3N10J	PE60M3N15J	-	PE60M3N40J
PE40M4N02G	PE40M4N03G	PE40M4N05G	-	PE40M4N10G	PE40M4N15G	PE40M4N25G	-
-	-	-	PE60M4N06J	PE60M4N10J	PE60M4N15J	-	PE60M4N40J
Solenoid Valve w/10 ft. Pendant & Locking Plate							
PE40S3L02G	PE40S3L03G	PE40S3L05G	-	PE40S3L10G	PE40S3L15G	PE40S3L25G	-
-	-	-	PE60S3L06J	PE60S3L10J	PE60S3L15J	-	PE60S3L40J
PE40S4L02G	PE40S4L03G	PE40S4L05G	-	PE40S4L10G	PE40S4L15G	PE40S4L25G	-
-	-	-	PE60S4L06J	PE60S4L10J	PE60S4L15J	-	PE60S4L40J

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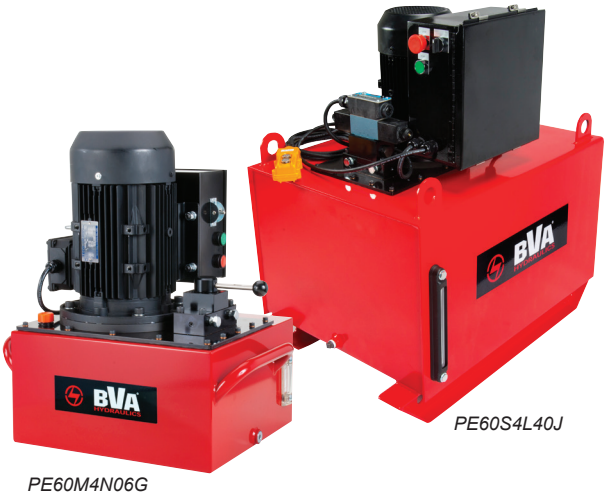
BVA HYDRAULICS

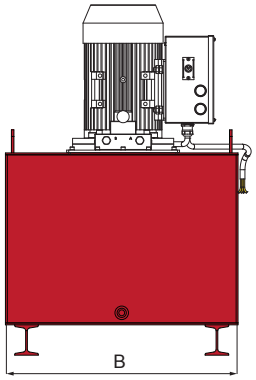
3-Phase Electric Pumps

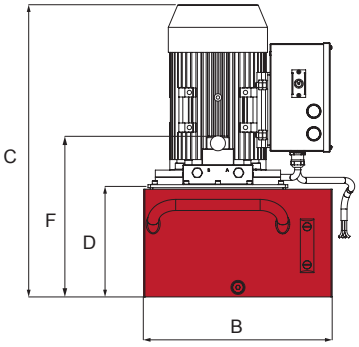
Electric Power Source



PE60S4L40J

PE60M4N06G





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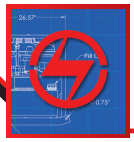
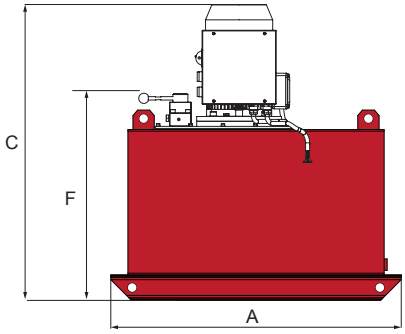
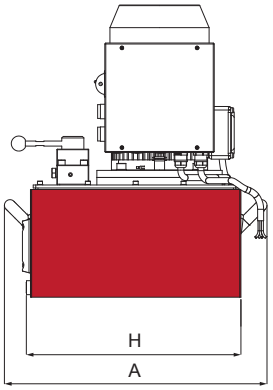
Pressure Settings



Custom pressure settings available upon request. Contact your local BVA dealer.





Reservoir Size	Dimensional Table (in.)						Pump Weight by Series* (lbs.)
	A	B	C	D	F	H	PE40
2 Gal	16.65	12.01	21.00	5.98	13.16	12.36	72.0
3 Gal	16.65	12.01	22.25	7.24	10.51	12.36	81.0
5 Gal	16.65	12.01	27.25	12.28	15.53	12.36	102.0
10 Gal	20.87	16.54	28.25	18.98	22.25	16.54	184.0
15 Gal	20.87	16.54	37.25	22.13	25.40	16.54	255.0
25 Gal	25.59	21.26	39.25	22.13	25.40	21.26	362.0

Reservoir Size	Dimensional Table (in.)						Pump Weight by Series* (lbs.)
	A	B	C	D	F	H	PE60
6 Gal	20.63	14.80	22.95	8.82	16.04	16.87	187.0
10 Gal	27.13	19.53	24.82	11.75	17.91	23.13	348.0
15 Gal	27.13	23.46	24.82	11.75	17.91	23.13	396.0
40 Gal	34.50	23.13	38.58	24.00	31.67	-	628.0

** Pump weights include oil.*

3-Phase Pump Matrix Chart

If you don't see a pump that would fit your application needs, you can custom build a pump to your desired specifications. Use this Pump Matrix Chart as a guide for creating your very own custom built Electric Pump. For assistance in building your pump, call your local BVA Representative.

P	E	40	DSP	02	G	-	A	G
1	*2*	*3*	*4*	*5*	*6*		*7*	
Product Type	*Motor Type*	*Flow Group*	*Valve Type /Operation*	*Reservoir Size*	*Voltage*		*Pump Options*	

1 - Product Type

P	Pump

2 - Motor Type

E	Induction Electric Motor, TEFC

3 - Flow Group

40	311/37 in^3/min @ 700/10,000 psi, 1.0 Hp
60	592/110 in^3/min @ 700/10,000 psi, 3.0 Hp

4 - Valve Type/Operation

CMR	Pump Mounted Manifold Block - Pressure & Return Ports Only
DSP	Dump Solenoid Valve w/pendant 3W/2P (Spool Type Valve)
H2S	Solenoid Valve 2W/2P - Pendant Control On/Off Only (Poppet Type Valve)
M2N	Manual Valve 3W/2P
M3N	Manual Valve 3W/3P
M4N	Manual Valve 4W/3P
M3L	Manual Valve 3W/3P w/Locking Plate
M4L	Manual Valve 4W/3P w/Locking Plate
S3N	Solenoid Valve 3W/3P (Spool Type)
S4N	Solenoid Valve 4W/3P (Spool Type)
S3L	Solenoid Valve 3W/3P w/Locking Plate (Spool Type Valve)
S4L	Solenoid Valve 4W/3P w/Locking Plate (Spool Type Valve)

5 - Reservoir Size

02	2 Gallon
03	3 Gallons
05	5 Gallons
06	6 Gallons
10	10 Gallons
15	15 Gallons
25	25 Gallons
40	40 Gallons

6 - Voltage

G	208-240V 3 ph 60 Hz - No Plug
W	380-415V 3 ph 50 Hz - No Plug
J	460-480V 3 ph 60 Hz - No Plug or Wire

7 - Pump Options

A	External Pressure Adjustment Block *(available on any models with 3W/3P or 4W/3P)*
G	Gauge w/Gauge Adapter 0-15,000 psi 2-1/2" Wet - Installed "A" Port
P	Pressure Switch *(available on solenoid equipped models only)*
U	Foot Control Switch *(available on solenoid equipped models only)*
W	Wireless Control *(available on solenoid equipped models only)*

Not all options are available in all configurations. Table is for reference only. Please consult your local BVA dealer if you want to order a custom pump or if you have questions.

PE Series

Ordering Example

PE40DSP02G

After reviewing this model number, we know that the pump has the following specifications:

- Electric power source
- 1 Hp flow group
- Dump Solenoid Valve w/Pendant 3W/2P
- 2 gallon reservoir tank
- 208-240V 3 ph 60 Hz Voltage - No Plug

PE40DSP02G

Pump Accessories

See the assortment of accessories designed to work with these pumps.

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Safety Instructions

Visit our DO'S and DON'TS section to review the best methods of operation. Always be prepared.

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Related Product: Hoses

We offer a variety of hoses, fittings, lengths and materials.

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