



Elite

Smart Hydraulic Power Units
Up to 5 HP and 2500 psi

**Power new equipment,
or breath life into an old workhorse.**

HPyou is reinventing hydraulic power with the Elite series of Hydraulic Power Units. VFD driven pumps, a wide array of I/O, and onboard programmable sequencing combine to yeild controlled, quiet, and efficient hydraulic power.

EFFICIENT

Traditional hydraulic systems can be wasteful and costly to run. Pumps run at a fixed speed with excess flow and pressure dumped to tank. Motors are oversized and pressure control is accomplished with maintenance intense mechanical regulation.

HPyou is changing the game.

The Elite Hydraulic Power Unit (HPU) features speed controlled pumps, running only when you need power, and only making as much power as you need.

Under periods of light load the pump spins quickly for fast travel. As system pressure rises, the pump speed is reduced for efficient operation and tight pressure control. When the process is idle, the pump turns off, eliminating standby waste.

SMART

The HPyou Elite is a Smart Hydraulic Power Unit that can be integrated with any process.

We offer three customizable hydraulic circuits along with a wide array of IO and communication ability, making integration easy.

Our proprietary motor control system provides the ability to tune the motor to any process, providing precision location, pressure, or speed control.

The control algorithms allow the user to configure the Elite uniquely for each stage of the process, allowing the user to configure motion and pressing activities completely independently, speeding up your process, and guaranteeing success.

PROGRAMMABLE

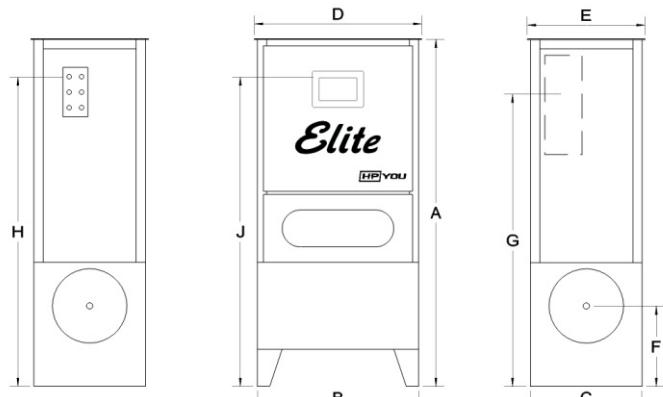
We know that nobody else does exactly what you do. That is why we have developed programmable control software for complete customization of your hydraulic motion.

Start by defining a series of Actions (individual machine states defining which valves are open, pump control method, setpoint, etc.), then string these Actions together to develop Sequences. Add Logic Steps to allow the Elite to respond to process feedback; return to a previous step, jump ahead, or even run a different sequence.

Define up to 50 Sequences, which are activated through the onboard touch screen, six digital triggers, or through Modbus over IP.

SPECIFICATIONS AT A GLANCE

E	-XXX	-XXXX	-X	-X	-X
Elite Series	Horsepower	Design Pressure	Voltage	Center Configuration	IO Configuration
	010: 1 HP	0500: 500 PSI Max	1: 120/1/60	0: Open Center	0: Standard I/O
	015: 1.5 HP	1000: 1000 PSI Max	2: 240/1/60	1: Closed Center	1: Expanded I/O
	020: 2.0 HP	1500: 1500 PSI Max	3: 208-240/3/60		
	030: 3.0 HP	2500: 2500 PSI Max	4: 460/3/60		
	050: 5.0 HP				



Max Pressure = 1000 psig

E-010-1000-XXX E-015-1000-XXX E-020-1000-XXX E-030-1000-XXX E-050-1000-XXX

Specifications						
Motor Horsepower	HP	1.0	1.5	2.0	3.0	5.0
Weight	LBS			Consult Factory		
Max Operating Pressure	PSI			1000		
Factory Relief Setting	PSI			1250		
Maximum Flow	GPM	1.85	2.71	3.43	NA	9.11
Maximum Flow at Design Pressure	GPM	1.29	1.90	2.40	NA	6.38
Reservoir Capacity	GAL	10	10	15	NA	30
Dimensions						
(A) Overall Height	IN	56.2	56.2	56.2	NA	56.2
(B) Base Width	IN	22.0	22.0	26.0	NA	36.0
(C) Base Depth	IN	18.0	18.0	18.0	NA	24.0
(D) Overall Width	IN	23.0	23.0	31.0	NA	37.0
(E) Overall Depth	IN	19.0	19.0	19.0	NA	25.0
(F) Height of Reservoir Cleanout	IN	13.0	13.0	13.0	NA	13.0
(G) Height of Appv'd Elec. Entry	IN	45.5	45.5	45.5	NA	51.5
(H) Height to Top Hydraulic Fitting	IN	50.0	50.0	50.0	NA	56.0
(J) Height of Operator Interface	IN	48.0	48.0	48.0	NA	56.0
Hydraulic Connection Size/Type	-	JIC-8	JIC-8	JIC-10	NA	JIC-12

Max Pressure = 1500 psig

E-010-1500-XXX E-015-1500-XXX E-020-1500-XXX E-030-1500-XXX E-050-1500-XXX

Specifications						
Motor Horsepower	HP	1.0	1.5	2.0	3.0	5.0
Weight	LBS			Consult Factory		
Max Operating Pressure	PSI			1500		
Factory Relief Setting	PSI			1750		
Maximum Flow	GPM	1.39	1.85	2.71	3.43	NA
Maximum Flow at Design Pressure	GPM	0.97	1.29	1.90	2.40	NA
Reservoir Capacity	GAL	10	10	10	15	NA
Dimensions						
(A) Overall Height	IN	56.2	56.2	56.2	56.2	NA
(B) Base Width	IN	22.0	22.0	22.0	26.0	NA
(C) Base Depth	IN	18.0	18.0	18.0	18.0	NA
(D) Overall Width	IN	23.0	23.0	23.0	31.0	NA
(E) Overall Depth	IN	19.0	19.0	19.0	19.0	NA
(F) Height of Reservoir Cleanout	IN	13.0	13.0	13.0	13.0	NA
(G) Height of Appv'd Elec. Entry	IN	45.5	45.5	45.5	45.5	NA
(H) Height to Top Hydraulic Fitting	IN	50.0	50.0	50.0	50.0	NA
(J) Height of Operator Interface	IN	48.0	48.0	48.0	48.0	NA
Hydraulic Connection Size/Type	-	JIC-8	JIC-8	JIC-8	JIC-10	NA

Max Pressure = 2500 psig

E-010-2500-XXX E-015-2500-XXX E-020-2500-XXX E-030-2500-XXX E-050-2500-XXX

Specifications						
Motor Horsepower	HP	1.0	1.5	2.0	3.0	5.0
Weight	LBS			Consult Factory		
Max Operating Pressure	PSI			2500		
Factory Relief Setting	PSI			2750		
Maximum Flow	GPM	0.93	1.39	NA	2.31	3.43
Maximum Flow at Design Pressure	GPM	0.65	0.97	NA	1.62	2.40
Reservoir Capacity	GAL	10	10	NA	10	15
Dimensions						
(A) Overall Height	IN	56.2	56.2	NA	56.2	56.2
(B) Base Width	IN	22.0	22.0	NA	22.0	26.0
(C) Base Depth	IN	18.0	18.0	NA	18.0	18.0
(D) Overall Width	IN	23.0	23.0	NA	23.0	31.0
(E) Overall Depth	IN	19.0	19.0	NA	19.0	19.0
(F) Height of Reservoir Cleanout	IN	13.0	13.0	NA	13.0	13.0
(G) Height of Appv'd Elec. Entry	IN	45.5	45.5	NA	45.5	45.5
(H) Height to Top Hydraulic Fitting	IN	50.0	50.0	NA	50.0	50.0
(J) Height of Operator Interface	IN	48.0	48.0	NA	48.0	48.0
Hydraulic Connection Size/Type	-	JIC-8	JIC-8	JIC-8	NA	JIC-10

Note: Specifications and dimensions are approximate and for reference purposes only. HPyou reserves the right to change specifications and/or dimensions without notice. Graphics contained in this brochure may not be representative of actual product.

FEATURES

- Horsepower Limited Operation
 - Integrated Oil Temp Interlock
 - Integrated Oil Level Interlock
 - Run Enable Switch
 - Customer Interlock
 - E-Stop
 - Non-Fused Disconnect
 - Dry Contact for Running Indicator
 - Dry Contact for Alarm
 - Standard Units Available to 5 HP
 - Standard Pressure Ranges of 1000, 1500, 2500 psig
 - (3) Customizable Hydraulic Circuits
 - Center Blocked, Regenerative, and Float Options
- Available
- Configurable with up to (2) modifiers
 - Check, Flow Control, PO Check, Pressure Reducing, Etc
- "Open Center" or "Closed Center" Operation
 - (4) Configurable Digital Inputs
 - (4) Configurable Digital Output
 - (50) User Definable Actions
 - (50) User Definable Sequences (String of Actions)
 - (6) Digital Triggers (Used to initiate a Sequence)
 - (1) Configurable Analog Output
 - Up to (5) Configurable Analog Inputs
 - (3) Operating Modes: Go to Location, Go to Pressure, Run at Speed
 - Manual and Sequenced Operation
 - 7" Touch Panel Interface
 - Error Logging
 - Control from Touchscreen, Discrete Digital Inputs, or Modbus

SOME INDUSTRIES SERVED



Pharmaceutical Processing



Textiles



Industrial Manufacturing



Aerospace



Automotive



Composites



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