

CONVENTIONAL

HYDRAULIC POWER UNITS



These single-circuit, cart-mounted power units are suitable for the operation of all Hydra-Slide equipment as well as most double-acting jacking applications. They are suitable in applications that do not require synchronized flow rates.

Wireless control upgrade package available

Model		CPU-1-2E†	CPU-3-2E	CPU-4E	CPU-2G	CPU-4G
Drive Type		Electric	Electric	Electric	Gasoline	Gasoline
No. of Pressure Outlets*		2	2	4	2	4
No. of Return Outlets*		2	2	4	2	4
Engine Power	hp	1	3	7	4	10
	kW	0.75	2	5	3	8
Flow Rate (two-stage)	gal/min	2.8 / 0.26	3.7 / 0.5	3.9 / 0.9	3.0 / 0.4	3.9 / 0.9
	L/min	10.6 / 1.0	14 / 1.9	15 / 3.3	11 / 1.6	15 / 3.3
Reservoir Volume	gal.	10	10	10	10	10
	L	38	38	38	38	38
Max. Operating Pressure	psi	10,000	10,000	10,000	10,000	10,000
	bar	700	700	700	700	700
Length	in.	31	31	31	31	50
	mm	790	790	790	790	1270
Width	in.	29	29	29	29	33
	mm	740	740	740	740	840
Height	in.	42	42	42	42	41
	mm	1070	1070	1070	1070	1040
Weight	lb	330	330	330	320	440
	kg	150	150	150	145	200
Voltage Options		115V single-phase	3-phase‡	3-phase‡	n/a	n/a

* Units come standard with Enerpac CR400 (female) quick connect couplers on all outlets; custom options available on request.

† Intended for intermittent, light-duty use- ideal as a backup unit.

‡ Available in various standard voltages, 50 Hz and 60 Hz.

HYDRA-PAC

SYNCHRONOUS POWER UNITS

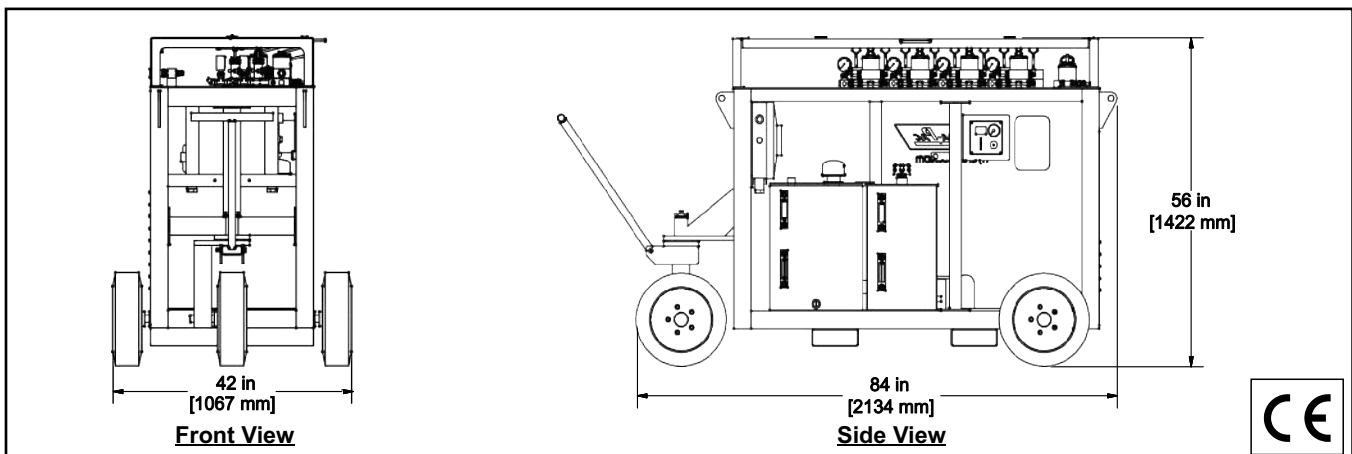


Model		SPU-4D	SPU-6D	SPU-8D	SPU-4P	SPU-6P	SPU-8P	SPU-4E	SPU-6E	SPU-8E
Drive Type		Diesel	Diesel	Diesel	Propane	Propane	Propane	Electric	Electric	Electric
No. of Advance Ports*		4	6	8	4	6	8	4	6	8
No. of Retract Ports*		4	6	8	4	6	8	4	6	8
Engine Power	hp <i>kW</i>	25 <i>18.5</i>	56 <i>42</i>	56 <i>42</i>	31 <i>23</i>	62 <i>46</i>	62 <i>46</i>	15 <i>11</i>	30 <i>22</i>	40 <i>30</i>
Flow Rate (single port)	gal/min <i>L/min</i>	0.5 <i>1.9</i>	0.5 <i>1.9</i>	0.5 <i>1.9</i>	0.5 <i>1.9</i>	0.5 <i>1.9</i>	0.5 <i>1.9</i>	0.4† <i>1.4‡</i>	0.7† <i>2.6‡</i>	0.75† <i>2.8‡</i>
Flow Rate (paired)†	gal/min <i>L/min</i>	1.0 <i>3.8</i>	1.8 <i>6.8</i>	2.0 <i>7.6</i>	1.0 <i>3.8</i>	1.8 <i>6.8</i>	2.0 <i>7.6</i>	0.8 <i>2.8</i>	1.4 <i>5.2</i>	1.5 <i>5.6</i>
Usable Oil	gal. <i>L</i>	18 <i>68</i>	18 <i>68</i>	18 <i>68</i>	18 <i>68</i>	18 <i>68</i>	18 <i>68</i>	18 <i>68</i>	18 <i>68</i>	18 <i>68</i>
Max. Operating Pressure	psi <i>bar</i>	10,000 <i>700</i>	10,000 <i>700</i>	10,000 <i>700</i>	10,000 <i>700</i>	10,000 <i>700</i>	10,000 <i>700</i>	10,000 <i>700</i>	10,000 <i>700</i>	10,000 <i>700</i>
Length	in. <i>m</i>	84 <i>2.13</i>	104 <i>2.64</i>	104 <i>2.64</i>	84 <i>2.13</i>	104 <i>2.64</i>	104 <i>2.64</i>	84 <i>2.13</i>	104 <i>2.64</i>	104 <i>3.64</i>
Width	in. <i>m</i>	42 <i>1.07</i>	42 <i>1.07</i>	42 <i>1.07</i>	42 <i>1.07</i>	42 <i>1.07</i>	42 <i>1.07</i>	42 <i>1.07</i>	42 <i>1.07</i>	42 <i>1.07</i>
Height	in. <i>m</i>	56 <i>1.42</i>	56 <i>1.42</i>	56 <i>1.42</i>	63 <i>1.60</i>	63 <i>1.60</i>	63 <i>1.60</i>	56 <i>1.42</i>	56 <i>1.42</i>	56 <i>1.42</i>
Weight	lb <i>kg</i>	2050 <i>930</i>	2650 <i>1200</i>	2675 <i>1210</i>	1920 <i>870</i>	2650 <i>1200</i>	2675 <i>1210</i>	1915 <i>870</i>	2550 <i>1150</i>	2650 <i>1200</i>
Voltages Available		Not Applicable						230/460V - 60Hz - 3-phase 575V - 60Hz - 3-phase 208/415V - 50Hz - 3-phase		

* Units come standard with Enerpac CR400 (female) quick connect couplers on all ports; custom options available on request

† On Hydra-Pac power units, ports can be combined in pairs to double the available flow rate, which also halves the number of usable ports

‡ Variable Frequency Drive allows control of flow rate across a wide range



Shown: 20-2-4D Synchronous Power Unit

All Hydra-Slide skidding systems, turntables, alignment shoes, and jacks, as well as most other double-acting jack applications, can be operated using both Hydra-Pac synchronous power units and conventional power units- each have their own advantages.

Hydra-Pac Synchronous

Our Hydra-Pac™ Synchronous power units are designed with multiple independent oil circuits. The circuits are not interconnected, and provide equal flow to each line regardless of the weight of the load or the pressure in the circuit. This is accomplished using specially designed piston pumps, valves and control devices.

Under normal operating conditions, oil flow and hence cylinder extension and retraction rates should be within 5% of each other on all circuits, even if the weight is unbalanced.

Advantages

Synchronous power units allow the operator to safely lift, lower, or slide virtually any load equally on all points.

Conventional

Our conventional hydraulic power units are suitable for applications that do not require synchronized flow rates.

Conventional power units have a single oil supply circuit. The circuit may be split into multiple outlets, but since they are connected, they will act as one. When jacking a load that is heavier at one end, cylinders with less load will advance more quickly, so it is often necessary to jack "end to end" to ensure load balance. When skidding, it is necessary to ensure that both cylinders advance at nearly the same rate.

Advantages

These units are low-cost, compact, and highly portable, making them ideal as back-up units.

Features	Hydra-Pac Synchronous	Conventional
Engine/motor types available	Diesel, propane, electric	gasoline, electric
Manual control valves for each circuit	Yes	No
Flow rate controlled independently in each circuit	Yes	No
Maintain constant jacking/ lowering speed	Yes	No
Maintain uniform pushing/ pulling forces	Yes	No
Circuits can be paired to increase flow	Yes	No