

Standard & Custom HPU Examples Overview 标准和客户定制HPU示例概述





西派格液压科技有限公司

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苏州西派格液压科技有限公司是工业液压产品供应商,致力于研发、生产和特殊应用要求的液 压驱动和控制系统。公司拥有自主知识产权,集研发、生产、销售于一体的专业液压集成系统高新 技术企业,主要产品为电液集成系统、泵阀一体单元、液压元件等。产品运用的领域主要是:能源、 工业装备、环保、矿山、船舶和海工等,客户主要为外资企业和行业知名客户。



企业使命Mission

持续创新液压驱动智能与节能 Continue to innovate hydraulic drive intelligence and energy saving

企业愿景Vision

成为电液行业数字与节能的解决方案 领跑者

Become the leader of intelligent hydraulic age



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企业价值观Value 成就客户-奋斗为本-可靠性-责任感 持续创新-企业家精神







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- Compact and versatile, the CyHbox hydraulic power unit (HPU) features an expanded range of components and accessories to satisfy a diverse array of applications within its power range.
- 结构紧凑,功能多样的CyHbox 液压动力单元(HPU)的 特点是可以在配置库中选择各种主件和附件进行组合, 以满足在其功率范围内的各种应用。
- In the future, Powerful, yet user-friendly, the design configurator tool gives you a step-by-step process to go from millions of possible combinations to the exact unit that's right for your needs. Use the Designer tool to draw from an expanded array of useful HPU accessories to satisfy unique configurations, applications and ndustries.
- 不久未来会推出强大而友好的用户设计配置工具,让你 一步一步的选择,从数以万计的可能组合,直到满足你 的需求。使用设计工具从一系列可扩展的HPU配件中提 取,以满足独特的配置、应用和行业需求。

Standard or Custom 标准型 或 客户定制

- 2x A4CSG125 Closed Loop Pumps
- Spider Control System & Terminal Box
- Pressure Gauge Panel
- Multiple Return Filters
- Flooded Suction Layout

Power Unit Specifications

Part No:	C221003999
Layout:	Overhead
Pressure:	3800 PSI (262 BAR)
Flow:	2x 54 GPM (205.2 LPM)
Power:	2x 50 Hp (37.3 kW)
Reservoir:	60 Gal (75.7 L)



Industry/Application

Wood Saws Chip Dumper Conveyor Drive



- Tandem Pump Motor Group
- Rear Pump Flow for Kidney Loop
- Braised Plate Water Cooler
- 5 Gal Bladder Accumulator

Power Unit Specifications

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Part No:	C221004527		
Layout:	Tank Top		
Pressure:	3000 PSI (207 BAR		
Flow:	17 GPM (64.6 LPM)		
Power:	25 Hp (18.6 kW)		
Reservoir:	60 Gal (227.1L)		



Industry/Application

Iron & Steel Machining General Test Cycle HPU



Standard or Custom

- R4 Radial Piston Pump
- Pressure Gauge Panel
- Custom Manifold Assembly

Power Unit Specifications

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C221004521
Tank Top
4500 PSI (310 BAR)
1.3 GPM (5.5 LPM)
5 Hp (3.7 kW)
20 Gal (75.7 L)



Industry/Application

General Forming & Shearing Presses (non-series)



Power Unit Specifications

7

C221004137
Tank Top
2175 PSI (150 BAR)
3.2 GPM (12.2 LPM)
5 Hp (3.7 kW)
10 Gal (37.9 L)



Industry/Application

General Forming & Shearing Presses (non-series)



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- Diaphragm Accumulator
- 2nd Barstock Assembly (Enable Valve)

Power Unit Specifications

C221006137
Tank Top
1500 PSI (103 BAR)
3.4 GPM (12.9 LPM
3 Hp (2.2 kW)
20 Gal (75.7 L)



Industry/Application

Health Care Crimping & Forming



Standard or Custom

- Return Header with 5 Return Ports
- Quick Disconnect Fill Coupling for Filling
- 2" Threaded Reservoir Connection

Power Unit Specifications

Part No:	C221005637
Layout:	Tank Top
Pressure:	200 PSI (14 BAR)
Flow:	9 GPM (34.1 LPM)
Power:	2 Hp (1.5 kW)
Reservoir:	30 Gal (113.6 L)



Industry/Application

Automotive Fluid Conditioning Unit



Standard or Custom

• Two Pump Motor Groups

Power Unit Specifications

Part No:	C221003539
Layout:	Tank Top
Pressure:	100 PSI (6.9 BAR)
Flow:	9.7 GPM (36.7 LPM)
Power:	3 Hp (2.25 kW)
Reservoir:	20 Gal (75.7 L)



Industry/Application

Aircraft & Spacecraft Recirculation Unit



Power Unit Specifications

Part No:	C221005509
Layout:	Tank Top
Pressure:	1000 PSI (69 BAR)
Flow:	1.6 GPM (6.1 LPM)
Power:	1.5 Hp (1.1 kW)
Reservoir:	5 Gal (18.9 L)



Industry/Application

Specialty Machinery Punch Press



- Duplex Pressure Filter
- Terminal Box

Power Unit Specifications

C221005123
Tank Top
2300 PSI (159 BAR)
6.8 GPM (25.8 LPM
10 Hp (7.5 kW)
20 Gal (75.7 L)



Industry/Application

Pulp & Paper Twin Wire Press (de-watering pump press)



Standard or Custom

- Non-standard Air Cooler Mounting
- Line Mounted Dump Valve

Power Unit Specifications

C221004333
Tank Top
2000 PSI (138 BAR
25.1 GPM (95 LPM)
30 Hp (22.4 kW)
60 Gal (227.1L)



Industry/Application

Machine Tool General Carwash



Flooded Suction Layout

Power Unit Specifications

C221005383
L-Shaped
3000 PSI (207 BAR)
8.3 GPM (31.5 LPM)
15 Hp (11.2 kW)
40 Gal (151.4 L)



Industry/Application

Rail Vehicle Manufacturing 100T Press



Power Unit Specifications

C221004041
Tank Top
2180 PSI (150 BAR)
47 GPM (178.6 LPM)
60 Hp (44.7 kW)
150 Gal (567.8 L)



Industry/Application

Presses (Non-Series) Copper Extrusion Press



Standard or Custom

- Stainless Steel Reservoir & Tubing
- E-A10VSO Pump for Water Glycol
- Pressure Gauge Panel

Power Unit Specifications

Part No:	C221006181
Layout:	Tank Top
Pressure:	3000 PSI (207 BAR)
Flow:	11.9 GPM (45.1 LPM
Power:	25 Hp (18.6 kW)
Reservoir:	60 Gal (227.1L)



Industry/Application

Metallurgy – Steel & Iron Spindle Balance Maintenance HPU



Non-standard Air Cooler Mounting

Power Unit Specifications

Part No:	C221006303
Layout:	Tank Top
Pressure:	1750 PSI (121 BAR)
Flow:	40 GPM (151.3 LPM)
Power:	40 Hp (29.8 kW)
Reservoir:	150 Gal (567.8 L)



Industry/Application

Metallurgy – Steel & Iron Steel Roll Handling



Standard or Custom

- Duplex Filtration Pressure & Return
- Two Pump Motor Groups
 DFR Pump Controls Mounted Remotely on Tank Top
 Flooded Suction Layout
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Power Unit Specifications

Part No:	C221006057
Layout:	Vertical In-Tank
Pressure:	2300 PSI (159 BAR)
Flow:	2x 16.2 GPM (61.2 LPM)
Power:	2x 30 Hp (22.4 kW)
Reservoir:	120 Gal (454.2 L)



Industry/Application

Material Handling Boiler Feeder



Power Unit Specifications

C221004369
Tank Top
2500 PSI (172.4 BAR
3.1 GPM (11.7 LPM)
5 Hp (3.7 kW)
20 Gal (75.7 L)



Industry/Application

Wood Saws Stoker Floor



Standard or Custom

- Epoxy Paint Exterior & Glyptal Interic
- Two Pump Motor Groups
- Gauge Snubber
- Non-standard Level Gauge
- Custom Reservoir:
 - 2 Isolated Compartments

Power Unit Specifications

Part No:	C221006121
Layout:	Tank Top
Pressure:	1100 PSI (76 BAR)
Flow:	2x 2.6 GPM (9.8 LPM)
Power:	2x 2 Hp (1.5 kW)
Reservoir:	30 Gal (113.6 L)



Industry/Application

Ship Building Marine Steering



Standard or Custom

- Desiccant Breather
- Oversize Reservoir
- Flooded Suction Layout

Power Unit Specifications

C221004569
L-Shaped
1750 PSI (121 BAR)
40 GPM (152 LPM)
40 Hp (30 kW)
646 Gal (2455 L)



Industry/Application

Wood Saws Bin Sorter



Standard or Custom

- Desiccant Breather
- 5 Gal Bladder Accumulator
- Tandem Pump for Kidney Loop
- Flooded Suction Layout

Power Unit Specifications

Part No:	C221004761
Layout:	L-Shaped
Pressure:	2200 PSI (152 BAR)
Flow:	20.4 GPM (77.5 LPM)
Power:	15 Hp (11.2 kW)
Reservoir:	60 Gal (228 L)



Industry/Application

Wood Saws Trimmer Fence



Power Unit Specifications

Part No:	C221005119
Layout:	Tank Top
Pressure:	3000 PSI (207 BAR)
Flow:	14.9 GPM (56.3 LPM
Power:	25 Hp (18.6 kW)
Reservoir:	60 Gal (227.1L)



Industry/Application

Specialty Machinery Tensile Testing Machine



• Two Pump Motor Groups

Power Unit Specifications

Part No:	C221005537
Layout:	Tank Top
Pressure:	725 PSI (50 BAR)
Flow:	26.4 GPM (99.8 LPM)
Power:	15 Hp (11.2 kW)
Reservoir:	100 Gal (378.5 L)



Industry/Application

Hydraulic Presses Embossing Machine



Flooded Suction Layout

Power Unit Specifications

Part No:	C221005387
Layout:	L-Shaped
Pressure:	2800 PSI (193 BAR)
Flow:	13 GPM (49 LPM)
Power:	25 Hp (18.6 kW)
Reservoir:	60 Gal (227.1 L)



Industry/Application

Rail Vehicle Manufacturing 200T Press



Standard or Custom

- 2 Pump Motor Groups
- Custom Reservoir (Extra Baffles)
- Flooded Suction Layout

Power Unit Specifications

Part No:	C221003747
Layout:	Overhead
Pressure:	2800 PSI (193 BAR)
Flow:	2x 13 GPM (49 LPM
Power:	2x 25 Hp (18.6 kW)
Reservoir:	240 Gal (912 L)



Industry/Application

Ship Building Marine Steering



Power Unit Specifications

Part No:	C221005233
Layout:	Tank Top
Pressure:	2900 PSI (200 BAR)
Flow:	13.2 GPM (44.9 LPM
Power:	25 Hp (18.6 kW)
Reservoir:	40 Gal (151.4 L)



Industry/Application

Machine Tool General Gun Drill



Tandem Pump – Kidney Loop
 DRG Pump Control with
 Unloading Valve

Power Unit Specifications

Part No:	C221004459
Layout:	Tank Top
Pressure:	2200 PSI (152 BAR
Flow:	28 GPM (106 LPM)
Power:	50 Hp (37.3 kW)
Reservoir:	80 Gal (304 L)



Industry/Application

Aerospace Damper Test Unit



Standard or Custom

Flooded Suction Layout

Power Unit Specifications

Part No:	C221004781
Layout:	Vertical In-Tank
Pressure:	3000 PSI (207 BAR)
Flow:	5.6 GPM (21.3 LPM
Power:	10 Hp (22.4 kW)
Reservoir:	20 Gal (75.7 L)



Industry/Application

Railway Vehicle Combination Wheel Inspection



 Tandem Pump – Kidney Loop
 DRG Pump Control with Unloading Valve

Power Unit Specifications

Part No:	C221003939
Layout:	Tank Top
Pressure:	2000 PSI (137.9 BAR)
Flow:	38.2 GPM (145 LPM)
Power:	40 Hp (29.8 kW)
Reservoir:	100 Gal (378.5 L)



Industry/Application

Forming & Hearing General 1450T Levelling System



Power Unit Specifications

C221006029
Tank Top
3000 PSI (207 BAR
3.2 GPM (12.2 LPM
7.5 Hp (5.6 kW)
20 Gal (75.7 L)



Industry/Application

Specialty Machinery Steel Rod Bender



Standard or Custom

- Tandem Pump Connected to Second Barstock Assembly
- Line Mounted Check Valves

Power Unit Specifications

Part No:	C221006009
Layout:	Tank Top
Pressure:	1000 PSI (69 BAR)
Flow:	24.7 GPM (93.7 LPM)
Power:	20 Hp (14.9 kW)
Reservoir:	60 Gal (227.1 L)



Industry/Application

Wood Saws Pallet Trim Saw



Power Unit Specifications

Part No:	C91004527
Layout:	Tank Top
Pressure:	2500 PSI (172 BAR)
Flow:	12.9 LPM
Power:	3.7 kW
Reservoir:	80L



Industry/Application

Hydraulic Presses Press (light series)



Rehermon

