

# 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

WWW.CYPAG.COM.CN



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

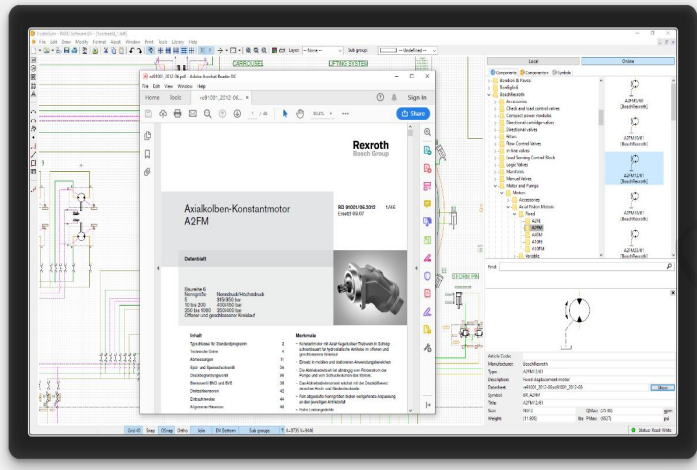
成为电液行业数字与节能的解决方案  
领跑者  
Become the leader of intelligent  
hydraulic age



#### 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





- 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 industries.
- 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

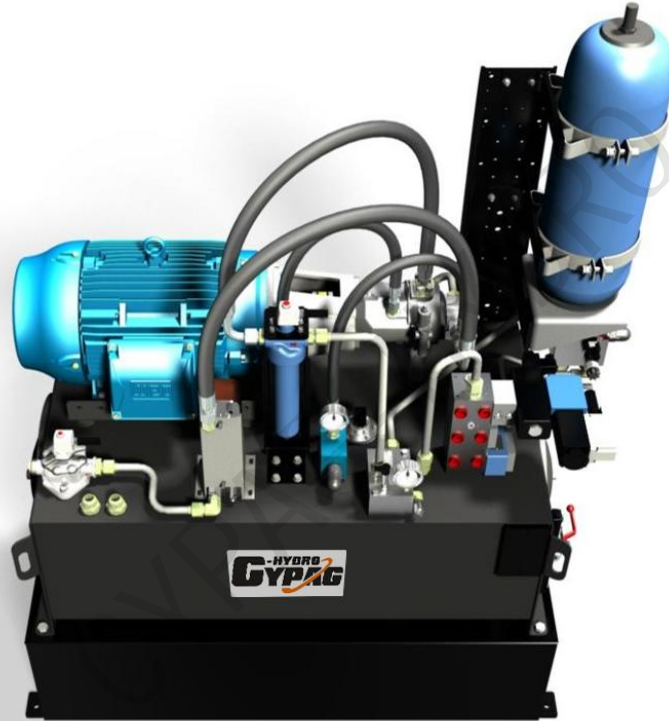


## Standard or Custom

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

## Power Unit Specifications

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 (227.1 L)



## Industry/Application

Iron & Steel Machining General  
Test Cycle HPU

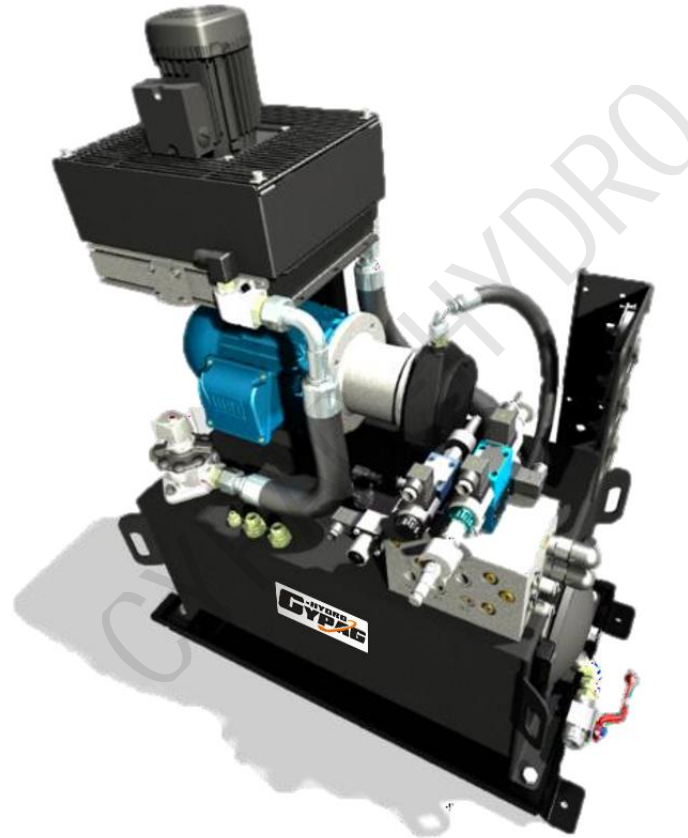


## Standard or Custom

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

## Power Unit Specifications

Part No:	C221004521
Layout:	Tank Top
Pressure:	4500 PSI (310 BAR)
Flow:	1.3 GPM (5.5 LPM)
Power:	5 Hp (3.7 kW)
Reservoir:	20 Gal (75.7 L)



## Industry/Application

General Forming & Shearing  
Presses (non-series)



## Standard or Custom

### Power Unit Specifications

Part No:	C221004137
Layout:	Tank Top
Pressure:	2175 PSI (150 BAR)
Flow:	3.2 GPM (12.2 LPM)
Power:	5 Hp (3.7 kW)
Reservoir:	10 Gal (37.9 L)



### Industry/Application

General Forming & Shearing  
Presses (non-series)

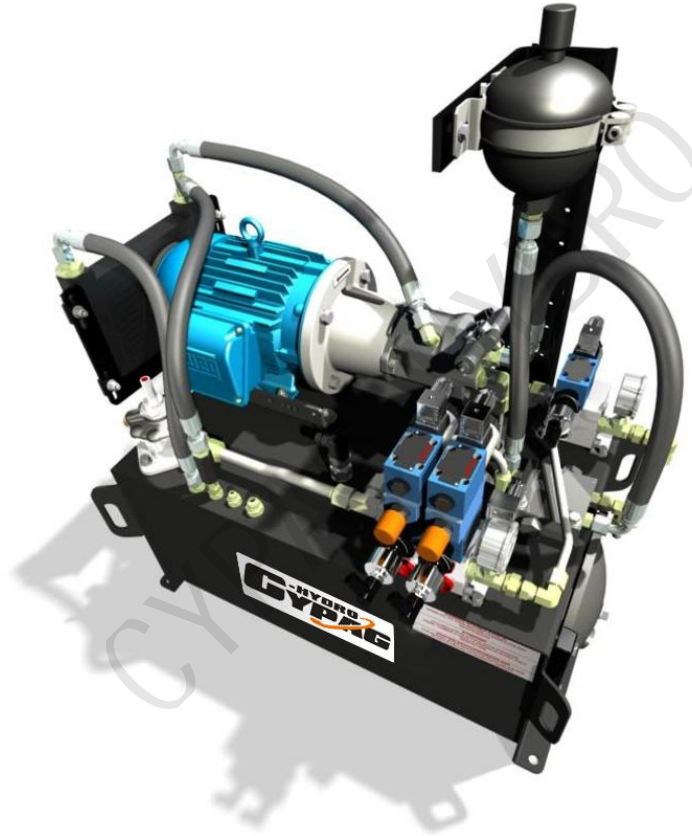


## Standard or Custom

- Diaphragm Accumulator
- 2<sup>nd</sup> Barstock Assembly (Enable Valve)

## Power Unit Specifications

Part No:	C221006137
Layout:	Tank Top
Pressure:	1500 PSI (103 BAR)
Flow:	3.4 GPM (12.9 LPM)
Power:	3 Hp (2.2 kW)
Reservoir:	20 Gal (75.7 L)



## Industry/Application

Health Care  
Crimping & Forming



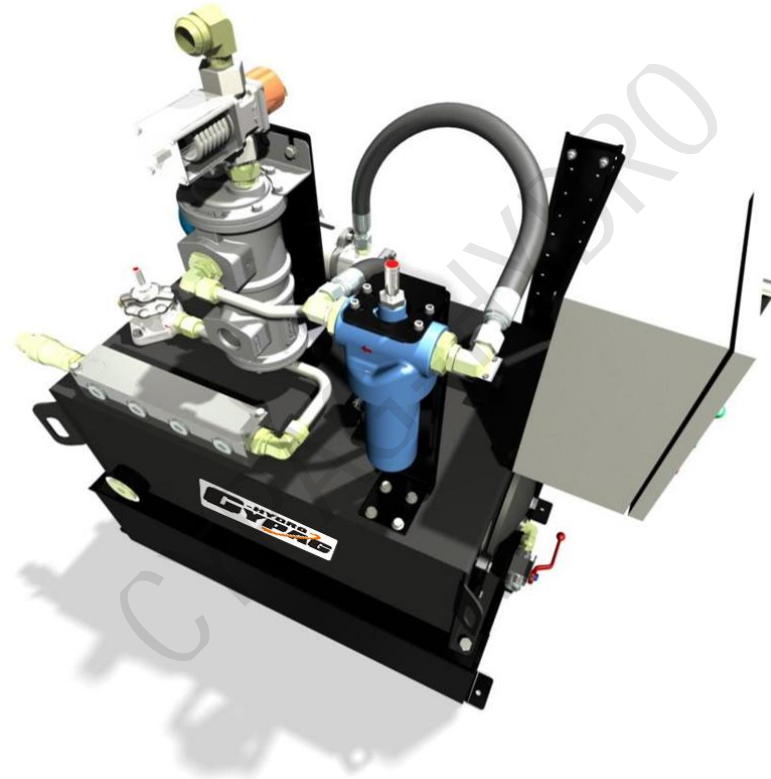


## Standard or Custom

- 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

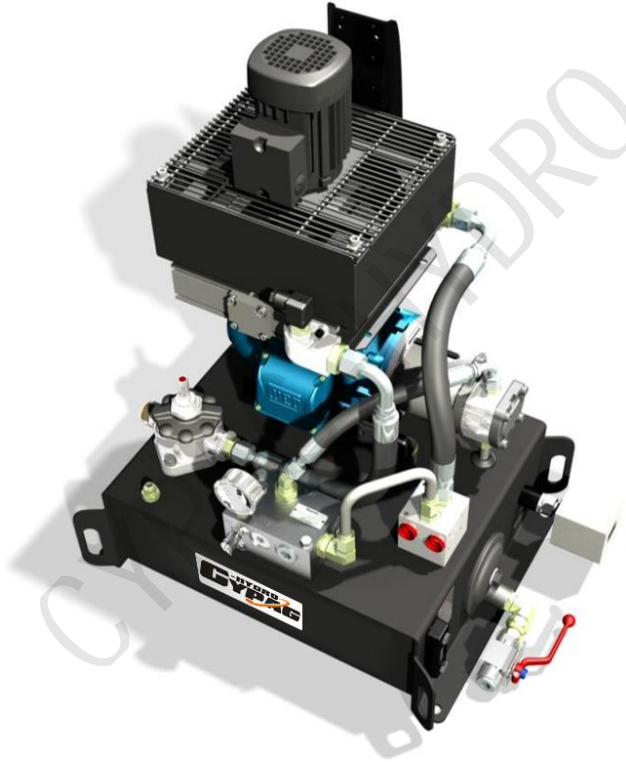
Aircraft & Spacecraft  
Recirculation Unit



## Standard or Custom

## 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

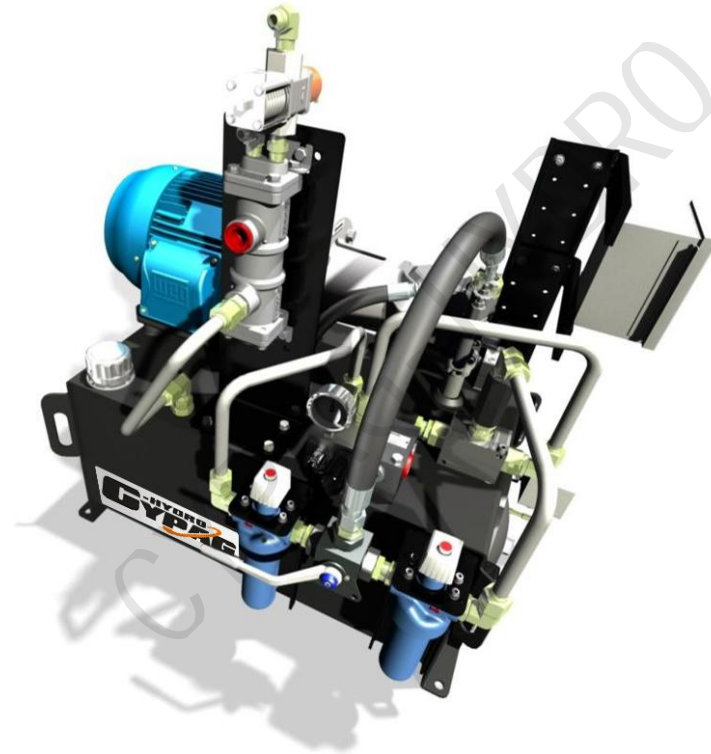


## Standard or Custom

- Duplex Pressure Filter
- Terminal Box

## Power Unit Specifications

Part No:	C221005123
Layout:	Tank Top
Pressure:	2300 PSI (159 BAR)
Flow:	6.8 GPM (25.8 LPM)
Power:	10 Hp (7.5 kW)
Reservoir:	20 Gal (75.7 L)



## Industry/Application

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

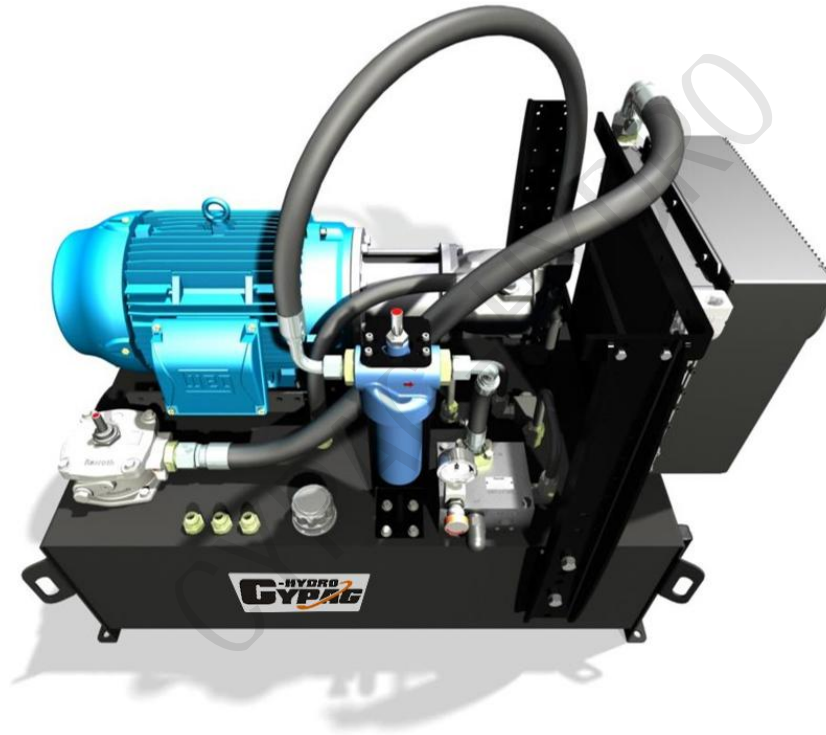


## Standard or Custom

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

## Power Unit Specifications

Part No:	C221004333
Layout:	Tank Top
Pressure:	2000 PSI (138 BAR)
Flow:	25.1 GPM (95 LPM)
Power:	30 Hp (22.4 kW)
Reservoir:	60 Gal (227.1 L)



## Industry/Application

Machine Tool General  
Carwash



## Standard or Custom

- Flooded Suction Layout

## Power Unit Specifications

Part No:	C221005383
Layout:	L-Shaped
Pressure:	3000 PSI (207 BAR)
Flow:	8.3 GPM (31.5 LPM)
Power:	15 Hp (11.2 kW)
Reservoir:	40 Gal (151.4 L)



## Industry/Application

Rail Vehicle Manufacturing  
100T Press



**Standard** or Custom

## Power Unit Specifications

Part No: C221004041  
Layout: Tank Top  
Pressure: 2180 PSI (150 BAR)  
Flow: 47 GPM (178.6 LPM)  
Power: 60 Hp (44.7 kW)  
Reservoir: 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 (227.1 L)



## Industry/Application

Metallurgy – Steel & Iron  
Spindle Balance Maintenance HPU





## Standard or Custom

- 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

## 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



## Standard or Custom

## Power Unit Specifications

Part No:	C221004369
Layout:	Tank Top
Pressure:	2500 PSI (172.4 BAR)
Flow:	3.1 GPM (11.7 LPM)
Power:	5 Hp (3.7 kW)
Reservoir:	20 Gal (75.7 L)



## Industry/Application

Wood Saws  
Stoker Floor

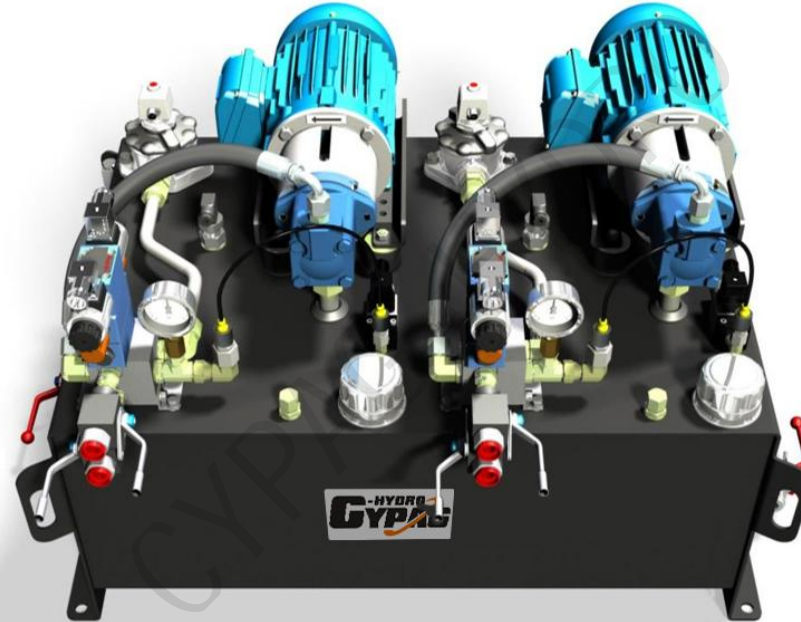


## Standard or Custom

- 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

Part No:	C221004569
Layout:	L-Shaped
Pressure:	1750 PSI (121 BAR)
Flow:	40 GPM (152 LPM)
Power:	40 Hp (30 kW)
Reservoir:	646 Gal (2455 L)



## Industry/Application

Wood Saws  
Bin Sorter

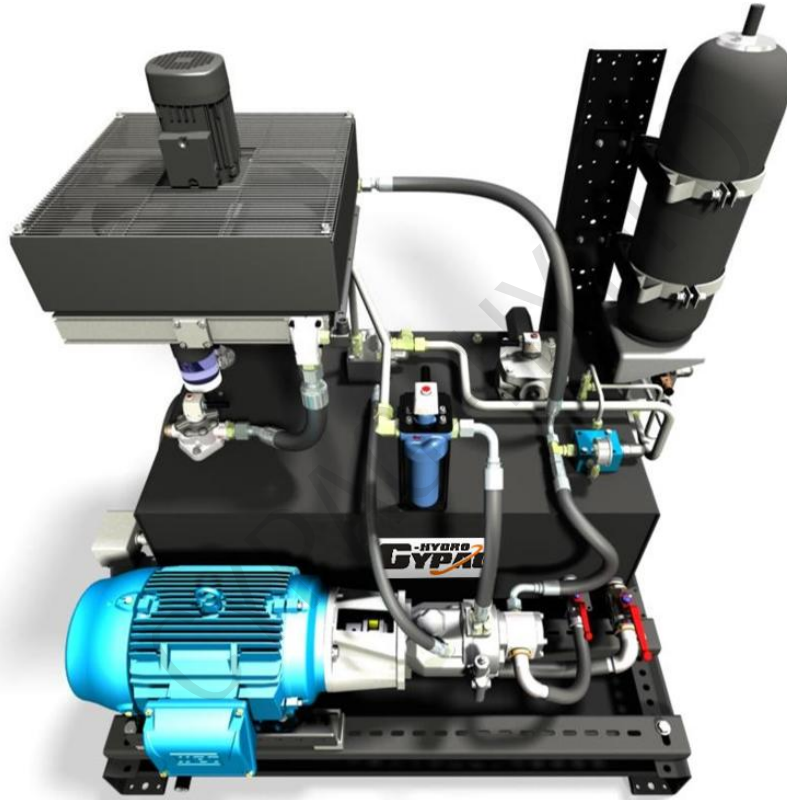


## Standard or Custom

- 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)

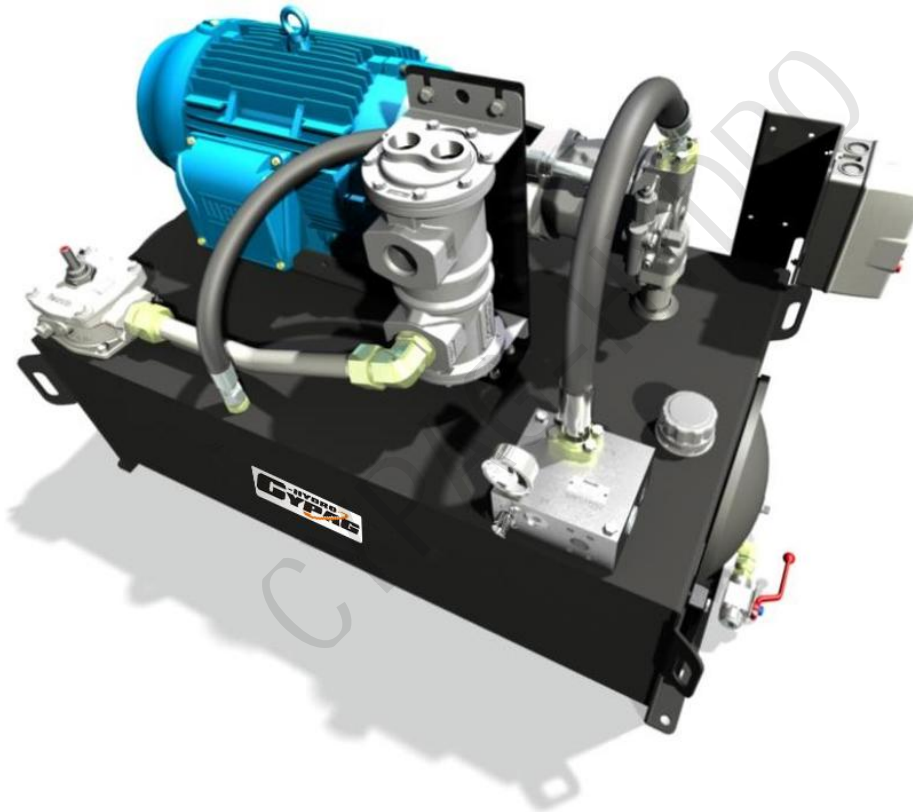


## Industry/Application

- Wood Saws
- Trimmer Fence



**Standard** or Custom



**Industry/Application**

Specialty Machinery

Tensile Testing Machine

## 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 (227.1 L)



## Standard or Custom

- 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



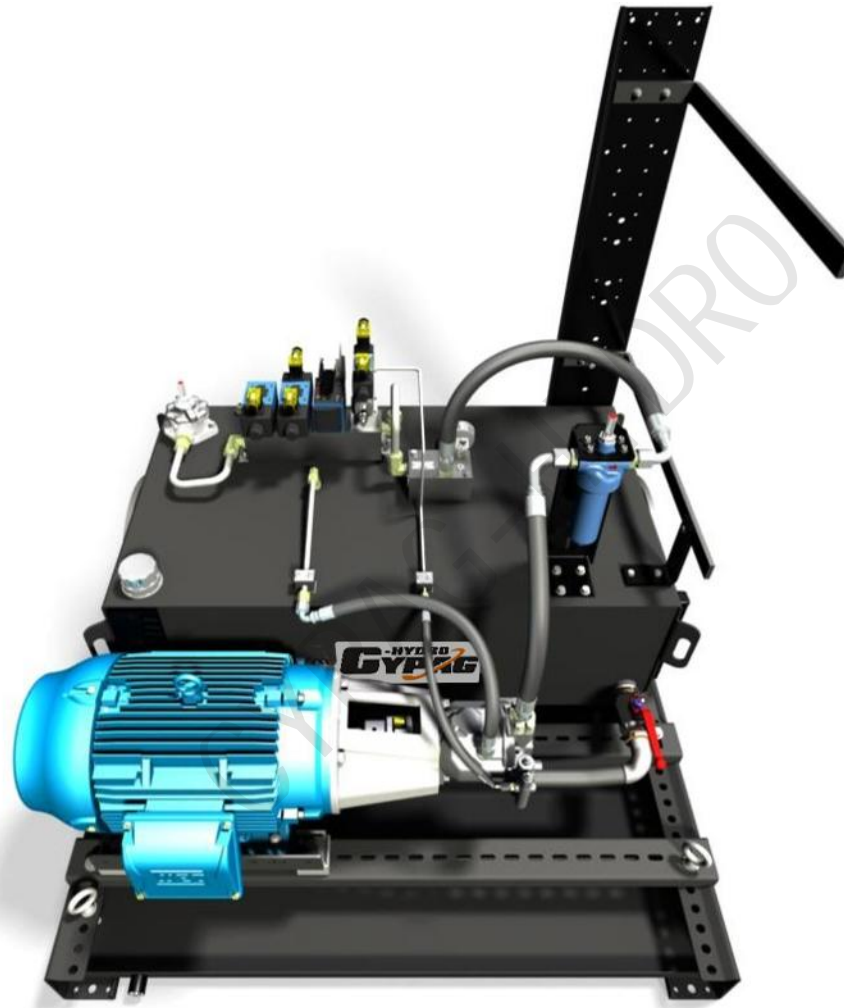


## Standard or Custom

- 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



**Standard** or Custom

## 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

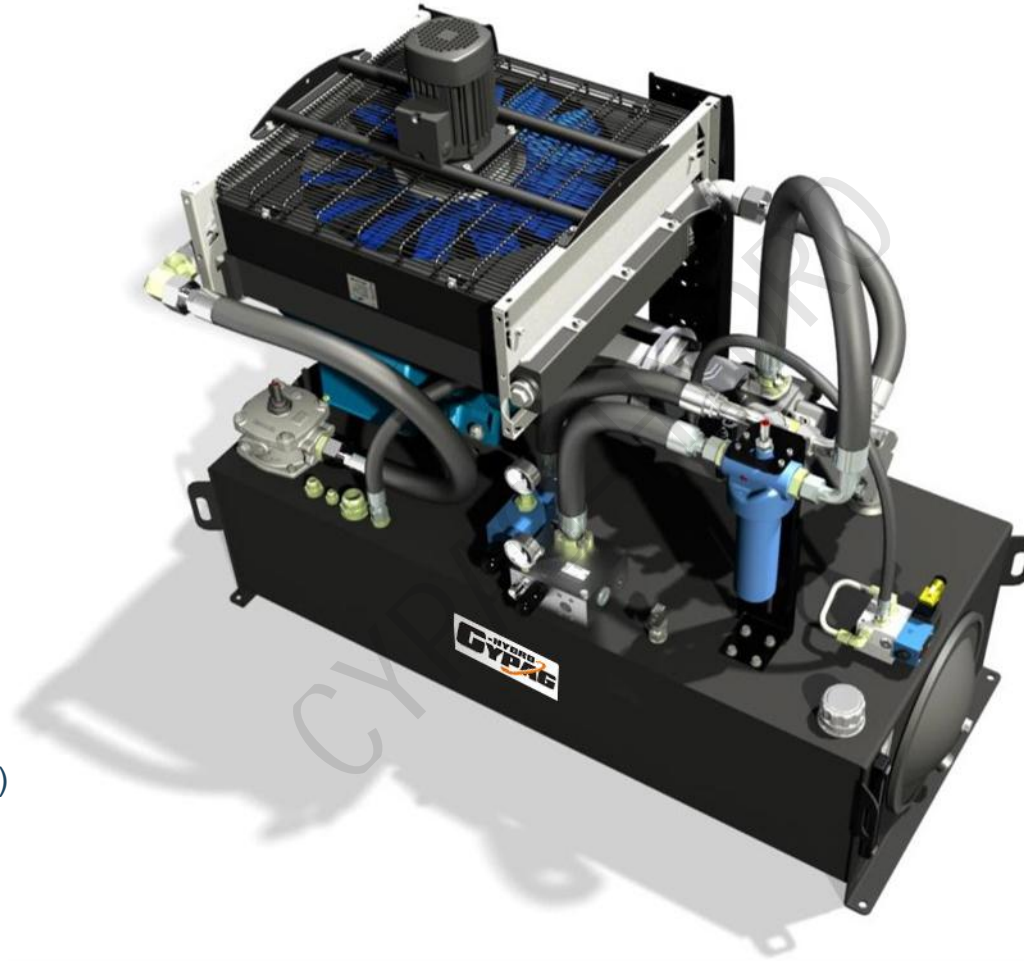


## Standard or Custom

- 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

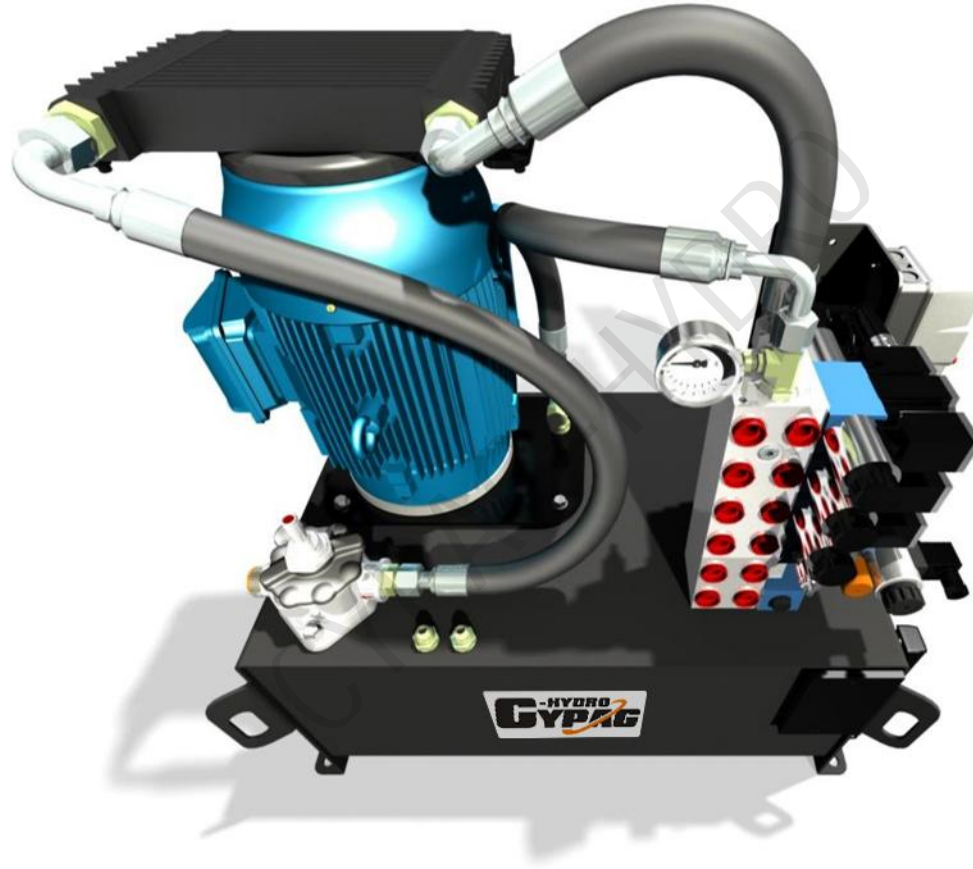


## Standard or Custom

- 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



## Standard or Custom

- 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



**Standard** or Custom

## Power Unit Specifications

Part No: C221006029  
Layout: Tank Top  
Pressure: 3000 PSI (207 BAR)  
Flow: 3.2 GPM (12.2 LPM)  
Power: 7.5 Hp (5.6 kW)  
Reservoir: 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





**Standard** or Custom

## 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)



CYPAG-HYDRO

