



Quantity available: 24

LPL5002, 575 ton Capacity, 1.77 in Stroke, Low Height, Lock Nut Hydraulic Cylinder

Maximum Operating Pressure

10,150 psi (700 bar)

Capacity Class

500 tonnage

Maximum Cylinder Capacity Advance

575 short tons (5114 kN)

Stroke

1.77 in (45 mm)

Return Type

Single-Acting, Load Return

Weight

404 lbs (189 kg)

Product Description

LPL-Series hydraulic cylinders are ideal for heavy-duty applications where clearance space is restricted. The lock nut provides the reassurance of mechanical load

Tilt saddle allows for up to 5 degrees of misalignment.

Thabana Limele Mountain Resort (Pty) Ltd
T/A UI4 Construction
23 Motsoene Road
Dolphin House
Maseru
100
Lesotho



Quantity available: 24

**RR10018, 103.2 ton Capacity,
18.13 in Stroke, Double-Acting,
General Purpose Hydraulic
Cylinder**

Maximum Operating Pressure

10,000 psi (700 bar)

Capacity Class

100 tonnage

Maximum Cylinder Capacity Advance

103.2 short tons (933 kN)

Maximum Cylinder Capacity Retract

48 short tons

Stroke

18.13 in (460 mm)

Collapsed Height A

27.06 in (687 mm)

Extended Height B

45.19 in (1147 mm)

Return Type

Double-Acting, Hydraulic Return

Plunger Type

Solid

Product Description

RR-Series Cylinders are the ideal choice whenever you need to retract the plunger quickly with precise control. These popular rams are rugged enough to withstand high-cycle and demanding job site uses - making them incredibly effective within both the construction and manufacturing industries.

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Bank: FIRST NATIONAL BANK Bank Code: 280261 Account No.: 62334304805

Account Holder: Thabana Limele Mountain Resort (Pty) Ltd SWIFT: FIRNZAJJ



Quantity available: 25

V66, Manually Operated Check Valve with Built-in Relief Valve

For load holding applications with single and double acting cylinders. Valves allow oil to flow back to tank when cylinder retracts. Built-in relief valve set at 11,500 psi (790 Bar)



Quantity available: 48

H7350, 50 ft., Thermo-plastic High Pressure Hydraulic Hose, .38 in. Internal Diameter

Maximum Operating Pressure

10,000 psi (700 bar)

Internal Diameter

0.38 in (9,7 mm)

End One Coupler

3/8" NPTF

End Two Coupler

3/8" NPTF

Oil Capacity

68.04 in³

Length

50 ft (15,0 m)

Weight

15.2 lbs (11,5 kg)

Product Description

H700-Series Hoses have a safety factor of 4:1 to provide the reassurance and reliability needed for demanding high-pressure applications.



Quantity available: 23

EVO-SC-25, Stroke Sensor Cable, 82 ft

Can Be Used With
SFP Split Flow Pumps, EVO
Synchronous Lifting System
Pump Series Compatibility
EVO, SFP



Quantity available: 24

SENSING SC50.01 cable-extension linear sensor

Specifically a 500 mm range, 4–20 mA output, IP67 version. The manufacturer documentation confirms the SC50.01 is available with 4–20 mA output, up to 1250 mm range, and IP67 protection



Quantity available: 2

EVO1221380, 12 point Synchronous Lifting System, 128 in³/min Oil Flow at Rated Pressure, 4 hp, 380V

Maximum Operating Pressure

10,000 psi (700 bar)

Cylinder Compatability

Single-acting, Double-Acting

Reservoir Capacity

15,246 in³ (250000 cm³)

Reservoir Capacity

66 gal (250000 cm³)

Maximum Flow at Rated Pressure

128 in³/min (2,1 l/min)

Variable Output Flow Low Pressure Less than 1800 psi

201-677 in³/min

Variable Output Flow High Pressure Greater than 1800 psi

38-128 in³/min

Output Flow Rate 100 psi

677 in³/min

Output Flow Rate 10000 psi

128 in³/min

Number of Outlets

12

Motor Size 4 hp

Motor Hertz

50/60 Hz

Motor Phases

3 Ph

Motor Voltage

380-415 V

Duty Cycle

Extended

Valve Operation

Solenoid

Valve Type

4-way, 3-position

Power Source

Electric

Motor Electrical Specification

380-415 V, 3 Ph, 50/60 Hz

Number of Lift Points

12

Accuracy Over Full Stroke

Up to 0.040"

Weight

2025 lbs (920 kg)

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EVO-Series, Synchronous Lifting Systems

ENERPAC

▼ EVO840460



- Modular lifting pumps to control 4, 8 or 12 lifting points
- Can be connected to single- or double-acting cylinders with the same or different lifting capacities
- PLC-controlled system with integrated 10,000 psi hydraulic power unit and 66 gallons reservoir
- Network capability to link up to 4 EVO-units (HPUs) to a separate network controller
- Intuitive user interface providing easy set up, control and navigation
- Data storage and recording capabilities
- Variable frequency drive motor (VFDM) and PLC for precise synchronization and oil flow control.

▼ The superlifting and launch of a 43,000-ton floating oil production system in Malaysia for the Gumusut-Kakap offshore field has set high benchmarks for safety through its use of sophisticated EVO-Series synchronous hydraulics to lift, balance, weigh and smoothly launch massive resource structures.



The multi-functional synchronous lifting systems



CLNC12 Network Controller

Easily monitor and control a multipoint synchronized lift. All network control boxes feature an industrial grade touch screen

and a user-friendly interface.

Same controller can be used to operate either SFP-Series Split-Flow Pumps or multifunctional EVO-Series lifting systems.



EVO-SC, Stroke Sensor Cables

Can be connected together for additional length. Ordered separately, requires one for each stroke sensor.

Model Number	Length (ft)	Model Number	Length (ft)
EVO-SC-6	19.7	EVO-SC-25	82



EVO-WSS, Wire Stroke Sensors

Provides stroke feedback to controls. Includes magnets for mounting. Ordered separately, requires one sensor for each lifting

point. Available in measuring range of 19.7 and 39.4 inches. Other lengths available on request.

Model Number	Range (in)	Model Number	Range (in)
EVO-WSS-500	19.7	EVO-WSS-1000	39.4



Communication Cables

EVO-COMM-Series communication cables transfer information about the synchronized lift operation from the network control panel to each of the connected hydraulic pumps.

Model Number	Length (ft)	Model Number	Length (ft)
EVO-COMM-25	82	EVO-COMM-75	246
EVO-COMM-50	164	EVO-COMM-100	328

Synchronous Lifting Systems



Benefits of the EVO-Series System

Precise control of multiple lift points

- Comprehensive understanding and management of a lifting operation from a central control system improves safety and operational productivity.
- Programmable synchronized lifting.
- Automatic stop at pre-set cylinder stroke or load limit.

Safe and efficient movement of loads

- System secured with warning and stop features to realize optimal safety.

High accuracy

- Variable frequency drive (VDFM) and PLC for precise synchronization and control of oil flow, stroke and speed.
- Depending the cylinder capacities used, an accuracy of 0.040 inch (1,0 mm) between lifting points is achieved.

Ease of operation

- User friendly interface: visual screens, icons, symbols and color coding.
- A single operator controls the entire operation.

Monitoring and Data Recording

- Displays data of the operation.
- Data recording at user-defined intervals.
- Data storage and read-out for reporting.

Network capability

- Ethernet IP protocol for communication between hydraulic power units, allow easy "plug and play".

EVOLCK-12 Load Cell Connection Kit

- Install electronic load cells when applications require high accuracy of load measurement
- Kit allows connection of up to 12 electronic load cells
- Plug and play connection to standard EVO lifting system
- Weighing accuracy as good as 1% of total load.

Global standardized system

- Enerpac global coverage ensures local support.

EVO Series



Number of Lifting Points:

4 - 8 -12 (up to 48)

Reservoir Capacity:

66 gallons

Flow at Rated Pressure:

46 - 292 in³/min

Motor Size:

4 - 10 hp

Maximum Operating Pressure:

10,000 psi



EVOLCK-12, Load Cell Connection Kit

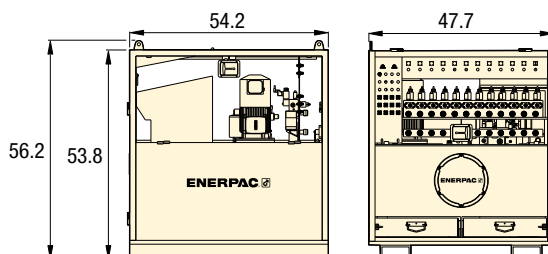
Allows connection up to 12 electronic load cells to standard EVO-system.



High-Tonnage Cylinders

The Enerpac High-Tonnage Cylinders are particularly suitable for (multipoint) lifting applications. Options include single or double-acting with and without mechanical lock nuts for load holding.

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EVO-Series (Standard)

Lifting Points	Variable Oil Flow at 60 Hz (in ³ /min)		Model Number ¹⁾ 460-480 V, 3 ph, 50-60 Hz	Usable Oil Capacity (gal)	Motor Size (hp)	Motor Speed ²⁾ (lbs)	
	(< 1800 psi)	(> 1800 psi)					
4	243 - 812	46 - 153	EVO421460	66	4	VFDM	2000
4	285 - 951	88 - 292	EVO440460	66	10	VFDM	2210
8	243 - 812	46 - 153	EVO821460	66	4	VFDM	2000
8	285 - 951	88 - 292	EVO840460	66	10	VFDM	2000
12	243 - 812	46 - 153	EVO1221460	66	4	VFDM	2025
12	285 - 951	88 - 292	EVO1240460	66	10	VFDM	2250

¹⁾ For 380-415 VAC, 3 phase, 50-60 Hz change 460 in model number into 380. Example **EVO421380**.

²⁾ VFDM = Variable Frequency Drive 15-60 Hz.

▼ Precision levelling caisson pier box: 3 EVO-Systems connected with 32 hydraulic jacks lowered the 1100-ton bascule pier box.

