

ENERPAC 


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RC-SERIES **TRIO**



**THE NEXT EVOLUTION OF THE LEGENDARY
ENERPAC HYDRAULIC CYLINDER**

THE RIGHT TOOL MAKES ALL THE DIFFERENCE

RC-SERIES TRIO



SINGLE-ACTING SPRING RETURN CYLINDERS

The next evolution of the legendary Enerpac RC-Series hydraulic cylinder. The driving force of the Enerpac cylinder range, the new **RC-TRIO** is as **versatile** as ever.

Featuring a new Trio Bearing System for **enhanced durability** and a hybrid spring-return system for **faster retraction** and even **greater productivity**.

**FASTER
TOUGHER
LONGER LASTING
VERSATILE**

- Trio Bearing system with hardened composite wear bands for optimal side load resistance
- Strengthened Trio Stop Ring improves durability and side load resistance
- Trio Hybrid pre-tensioned spring system provides faster retraction
- High-grade polyethylene seals for low wear and long service life
- Plunger wiper reduces contamination, extending cylinder life
- Collar and plunger threads and base mounting holes enable easy fixturing (on most models)
- Standard certified lifting eyes on cylinder models above 25 kg weight. Interchangeable with optional CHM6 carrying handle
- Designed for use in all positions
- Baked enamel finish for increased corrosion resistance
- Includes CR400 coupler, dust cap and collar thread protector.



WITH THE 3RD GENERATION COMES A TRIO OF KEY FEATURES...

NEW TRIO BEARING SYSTEM

- Includes up to **4 high-performance wear bands** that offer increased resistance to damage, reducing bearing load and increasing cylinder lifespan.
- Hardened composite material wear bands increase bearing surface area for greater sideload resistance - Significantly improving cylinder life.
- New high-performance Polyethylene seals last longer than ever, improving lifespan and keep you working for longer.

NEW TRIO STOP RING

- Part of the Trio Bearing System, the Trio Stop Ring includes an additional wear band or high-strength bronze to absorb greater side load
- Capable of taking full cylinder extension force. For safety we recommend not to extend the cylinders past 80% of the stroke under load.
- Features durable wiper to help prevent contamination from entering the cylinder during retract cycles.

NEW TRIO SPRING SYSTEM

- Hybrid pre-tensioned return springs for up to **3x faster retraction** and increased productivity. (Only available on 50, 75 and 100 ton models)
- High-strength steel wire improves spring life
- Spring retention design improves serviceability while allowing higher pre-load during assembly
- Spring is easily removed without special tools.

PLUS all of these great features you've come to expect from an RC-Series cylinder, including...

ENDURING COMPATIBILITY

- For full compatibility and peace of mind, the new RC-Series **model numbers, external dimensions and threads remain unchanged from prior RC-Series cylinders**. Ensuring compatibility with historical versions and systems.

DURABLE PISTON ROD

- High-strength steel plunger for improved life and sideload resistance
- Nickel-plated plunger coating improves corrosion protection
- Internal plunger threads for easy tool fixturing.

ENHANCED ERGONOMICS

- Standard carry handles from 15 up to 25kg. Sizes above include certified lifting eyes or optional carrying handles.
- Collar threads, plunger threads and base mounting holes enable easy fixturing (on most models).

IMPROVED SADDLE RETENTION

- Hardened plunger saddle protects plunger end during all lifting operations
- Easily removable for access to plunger mounting threads
- Tilt and smooth saddles available as accessories (compatible with new range of CATS-Series Tilt Saddles).

THREAD PROTECTOR & DUST CAP

- Thread protector material is durable and will hold its shape under extreme use
- Ergonomic shape and texture of the thread protector
- Protector is easily attached and removed with oily hands or whilst wearing gloves
- Pliable coupler dust cap for easy push-on/pull-off operation.



RC-SERIES

TRIO

Capacity:

5 - 95 ton

Stroke:


16 - 362 mm

Maximum Operating Pressure:

700 bar



▼ **QUICK SELECTION** For complete technical information see E329e and www.enerpac.com

Cylinder Capacity	Stroke *	Model Number	Cylinder Effective Area	Oil Capacity	Collapsed Height		
ton (kN)	(mm)		(cm ²)	(cm ³)	(mm)	(kg)	
5 (45)	16	RC50	6,4	10	41	1,0	
	25	RC51	6,4	16	110	1,0	
	79	RC53	6,4	50	165	1,5	
	127	RC55	6,4	83	216	1,9	
	177	RC57	6,4	115	273	2,4	
	232	RC59	6,4	151	324	2,8	
10 (101)	26	RC101	14,4	38	90	1,8	
	54	RC102	14,4	78	121	2,3	
	105	RC104	14,4	152	171	3,3	
	156	RC106	14,4	226	248	4,4	
	203	RC108	14,4	294	298	5,4	
	257	RC1010	14,4	373	349	6,4	
	304	RC1012	14,4	441	400	6,8	
15 (142)	356	RC1014	14,4	516	451	8,2	
	25	RC151	20,3	51	124	3,3	
	51	RC152	20,3	104	149	4,1	
	101	RC154	20,3	205	200	5,0	
	152	RC156	20,3	308	271	6,8	
	203	RC158	20,3	411	322	8,2	
	254	RC1510	20,3	516	373	9,5	
	305	RC1512	20,3	619	424	10,9	
25 (232)	356	RC1514	20,3	723	475	11,8	
	26	RC251	33,3	86	140	5,9	
	50	RC252	33,3	166	165	6,4	
	102	RC254	33,3	339	216	8,2	
	158	RC256	33,3	525	273	10,0	
	210	RC258	33,3	697	324	12,2	
	261	RC2510	33,3	867	375	14,1	
30 (295)	311	RC2512	33,3	1033	425	16,3	
	362	RC2514	33,3	1202	476	17,7	
	209	RC308	42,9	880	387	18,1	
	50 (498)	51	RC502	71,3	362	176	15,0
		101	RC504	71,3	719	227	19,1
		159	RC506	71,3	1131	283	23,1
260		RC5010	71,3	1855	384	31,8	
337		RC5013	71,3	2399	460	37,6	
75 (718)	156	RC756	102,6	1601	286	29,5	
	333	RC7513	102,6	3417	492	59,0	
95 (933)	50	RC1002	133,1	676	219	36,7	
	168	RC1006	133,1	2239	357	59,0	
	260	RC10010	133,1	3466	449	72,6	

* For safety we recommend not to extend the cylinders past 80% of the stroke under load.

Subject to change without notice.