

# NCP Series Dry Claw Compressors

Models: NCR-60, NCR-100-7.5, NCR-100-10, NCR-105-7.5, NCR-105-10, NCR-155-10, NCR-155-12.5, NCR-255-12.5, NCR-255-15, NCR-255-20, NCR-305-15, NCR-305-20, NCR-305-25, NCR-405-20, NCR-405-25, NCR-405-30, NCR-405-40, NCR-515-25, NCR-515-40, NCR-515-50



**Description:** Dry Claw Compressor

**Models:** NCR-60, NCR-100, NCR-105, NCR-155,  
NCR-255, NCR-305, NCR-405, NCR-515

**Power Range:** 5 – 50 HP

**Ultimate Pressure:** 31.9 PSIG

## OVERVIEW

NES Company is proud to offer our NCR Series Dry Claw Compressors, factory performance tested with a 1-year warranty against manufacturer's defects.

## DESCRIPTION

NES Company Inc. introduces our latest line of compressors, the NCR Series. The NCR dry claw compressor series is able to generate up to 31.9 PSIG in a continuous process at flow rates up to 353 CFM.

The NCR Series is carefully engineered and assembled with tight tolerances. Dry claw compressors are among the most efficient examples of compression technology in the modern world, both in terms of compression ratio and in terms of pure volumetric efficiency. Experience the difference that the NES Company NCR Series dry claw compressors provide for reliable, efficient, moderate compression operations.



## FEATURES

- Pumping and gear chambers separated via labyrinth seals
- Synchronized timing gears within gear chamber for precision claw operation.
- Built-in anti-suck back valve prevents backflow upon shutdown.
- Inlet silencer and inlet filter are included with the base compressor.
- Accessories such as internal coatings, vacuum regulators, and safety valves are available upon request.
- **1-year factory warranty** against manufacturer's defects.

## NOTES

NES Company is proud to offer our NCR Series Dry Screw Compressors. These dry claw compressors are factory performance tested and include a 1-year warranty against manufacturer's defects. Contact NES Company Inc. today to learn more about the series!

NES Company Inc. 333 Route 46 West, Building A, Fairfield, NJ 07004

(800) 297-3550 | [www.nescompany.com](http://www.nescompany.com) | [info@nescompany.com](mailto:info@nescompany.com)

© 2023 NES Company Inc. All rights reserved

# NCP Series

## Dry Claw Compressors



Models: NCR-60, NCR-100-7.5, NCR-100-10, NCR-105-7.5, NCR-105-10, NCR-155-10, NCR-155-12.5, NCR-255-12.5, NCR-255-15, NCR-255-20, NCR-305-15, NCR-305-20, NCR-305-25, NCR-405-20, NCR-405-25, NCR-405-30, NCR-405-40, NCR-515-25, NCR-515-40, NCR-515-50

### GENERAL TECHNICAL DATA (60 HZ)

Model*	NCR-60		NCR-100			NCR-105			NCR-155	
CFM	40		71					106		
Ult. PSIG Cont.	29	--	20.3	31.9	--	20.3	31.9	17.4	29	
HP	5.5	--	7.5	10	--	7.5	10		12.5	
RPM	3450									
Voltage	208-230/460V, 220-240/380-420V, 400/690V									
Db(a)	79	83			80			82		
Oil Cap.	0.63	0.79			0.53					
In/Out BSP**	1"	1½"			1½"					
WxH (in)	12x19	19x25	20x26			18x26				
Length (in)	32	--	31			--	36		37	
Amb. Op. T	40-105									
Accessories	Pressure regulator, Safety valve, Inlet silencer, Inlet filter									

Model*	NCR-255				NCR-305			NCR-405				NCR-515			
CFM	177				212			282				353			
Ult. PSIG Cont.	11.6	20.3	24.6	31.9	14.5	26.1	31.9	8.7	17.4	23.2	29	11.6	-	23.2	29
HP	12.5	15	20		15	20	25	20	25	30	40	25	-	40	50
RPM	3450														
Voltage	208-230/460V, 220-240/380-420V, 400/690V														
Db(a)	82											83			
Oil Cap.	0.95							1.9							
In/Out BSP**	2"							3"							
WxH (in)	23x30							27x40							
Length (in)	40	47			--	47		51		53	55	51	-	56	
Amb. Op. T	40-105														
Accessories	Pressure regulator, Safety valve, Inlet silencer, Inlet filter														

\*Compressor models are based on their power requirements (e.g. NCR-255-15, NCR-100-10)

\*\*Standard is BSP(G). NPT is available upon request.

NES Company Inc. 333 Route 46 West, Building A, Fairfield, NJ 07004

(800) 297-3550 | [www.nescompany.com](http://www.nescompany.com) | [info@nescompany.com](mailto:info@nescompany.com)

© 2023 NES Company Inc. All rights reserved

# NCP Series

## Dry Claw Compressors

Models: NCR-60, NCR-100-7.5, NCR-100-10, NCR-105-7.5, NCR-105-10, NCR-155-10, NCR-155-12.5, NCR-255-12.5, NCR-255-15, NCR-255-20, NCR-305-15, NCR-305-20, NCR-305-25, NCR-405-20, NCR-405-25, NCR-405-30, NCR-405-40, NCR-515-25, NCR-515-40, NCR-515-50



### Application table

#### Applications

Transport  
Pneumatic Conveying  
Environmental Systems  
Air Sparging Applications  
Aquaculture  
Central Pressure Systems  
... and more!

### Accessories

#### Accessories

Inlet Filter (included)  
Inlet Silencer (included)  
Exhaust Silencer  
Internal Coating  
Safety Valve

NES Company Inc. 333 Route 46 West, Building A, Fairfield, NJ 07004

(800) 297-3550 | [www.nescompany.com](http://www.nescompany.com) | [info@nescompany.com](mailto:info@nescompany.com)

© 2023 NES Company Inc. All rights reserved