

NCP Series

Dry Claw Vacuum Pumps

Models: NCP-30F, NCP-60F, NCP-80F, NCP-100F, NCP-105F, NCP-155F, NCP-255F2, NCP-305F2, NCP-405F, NCP-515F, NCP-1005F



Description: Dry Claw Vacuum Pump

Models: NCP-30F, NCP-60F, NCP-80F, NCP-100F, NCP-105F, NCP-155F, NCP-255F2, NCP-305F2, NCP-405F, NCP-515F, NCP-1005F

Power Range: 5 - 30 HP

Ultimate Vacuum Pressure:

- Continuous: 150 Torr
- Maximum: 35 Torr

OVERVIEW

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

DESCRIPTION

NES Company Inc. introduces our latest line of vacuum pumps, the NCP Series. The NCP dry claw vacuum pump series is able to generate up to 35 torr at maximum and 150 torr in a continuous process at flow rates up to 671 CFM.

The NCP Series is carefully engineered and assembled with tight tolerances. Dry claw vacuum pumps exhibit the highest volumetric efficiency in CFM/HP ratios. Experience the difference that the NES Company NCP Series dry claw vacuum pumps provide for reliable, efficient, moderate vacuum processes.

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.
- Accessories such as non-return valve, vacuum regulator, and exhaust silencer are available upon request.
- **1-year factory warranty** against manufacturer's defects.



NOTES

NES Company is proud to offer our NCP Series Dry Screw Vacuum Pump. These dry claw vacuum pumps 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

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GENERAL TECHNICAL DATA (60 HZ)

NCP-F Air Cooled Units

Model	Capacity	Ult. Vac. Max.	Ult. Vac. Cont.	Power	Rotational Speed	Voltage	Noise Level	Oil Capacity	In/Out Connections	LxWxH	Ambient Operating Temperature
NCP-	CFM	Torr	Torr	HP	RPM	V	dB(A)	qt.	BSP (G)	in.	°F
30F	32	50	37.5	1	1800	208-230/460, 220-240 /380-420, 400/690	72	0.79	½"	29x13x18	40 to 105
60F	42	37.5	75	2	3600		80	0.63	1"	30x13x18	
80F	53		37.5	3			70	0.74	1¼"/1"	29x14x18	
100F	71		112.5	4			77	0.79	1½"	29x22x16	
105F	71		75	4			75	0.42		32x17x21	
155F	106			5.5			76			33x17x21	
255F2	177		150	7.5			77	0.85	2/1½"	38x20x27	
305F2	211			10			77			39x20x27	
405F	282			12.5			78	1.58	3/2½"	44x23x28	
515F	353			15						51x23x28	
1005F	671			30			85	2.95	DN100 PN6/ DN100 PN10	60x29x41	

NCP-W Water Cooled Units

Model	Capacity	Ult. Vac. Max.	Ult. Vac. Cont.	Power	Rotational Speed	Voltage	Noise Level	Oil Capacity	In/Out Connections	LxWxH	Ambient Operating Temperature
NCP-	CFM	Torr	Torr	HP	RPM	V	dB(A)	qt.	BSP (G)	in.	°F
105W	71	< 22.5	< 22.5	4	3600	208-230/460, 220-240 /380-420, 400/690	75	0.42	1½"	32x17x21	40 to 105
155W	106			5.5			76			33x17x21	
255W	176			7.5			0.85	2/1½"	39x20x27		
305W	212			10							
330W	230			10			78	1.58	3/2½"	44x23x28	
405W	282		< 75	12.5						51x23x28	
515W	353			15							
1005W	671			30			85	2.95	100DN	58x31x50	

Model	Cooling Water Volume	Cooling Water Temperature
NCP-	GPM	°F
105W	> 0.53	< 77 (preferred) to 86
155W		
255W		
305W		
330W		
405W	> 1.06	
515W		
1005W	> 1.59	

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Application table

Applications

Packaging
CNC Routing
Woodworking
Pneumatic Conveying
Holding & Lifting
Pick & Place Procedures
Medical Applications
Laboratory Applications
Plastics Industrial Processes
Central Vacuum Systems
... and more!

Accessories

Applications

Inlet Check Valve
Vacuum Regulator
Exhaust Silencer
Internal Coating

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