

# NCC Series

## Liquid Ring Vacuum Pumps

Models: NCC20, NCC35, NCC55, NCC75, NCC115, NCC160, NCC200, NCC300, NCC350



**Description:** Dual Voltage Single-Stage Liquid Ring

Vacuum Pumps & Compressors

**Models:** NCC20, NCC35, NCC55, NCC75, NCC115, NCC160, NCC200, NCC300, NCC350

**Power Range:** 2-25 HP

**Capacity Range:** 18-350 CFM

**Max Vacuum:** 28" Hg

### OVERVIEW

NES Company is proud to offer our single stage/single cone NCC Series liquid ring vacuum pumps. The NCC pumps have been designed to be drop-in replacements for Siemens\* 2BV Series vacuum pumps.

### DESCRIPTION

The 2 - 25 HP single-stage NCC Series liquid ring vacuum pumps have been designed to be drop-in replacements for Siemens\* 2BV series pumps with directly interchangeable parts. NES Company NCC Series liquid ring vacuum pumps are factory performance tested and include a 2-year warranty against manufacturer's defects.



### FEATURES

- Drop-in replacement for Siemens\* 2BV series
- Standard construction is Cast Iron with Teflon Packing.
- Optional 304 or 316 Stainless Steel construction.
- Optional factory-installed mechanical seals
- Parts and repair kits readily available
- Available in bare pump, direct drive, or V-belt systems
- 1-year factory warranty against manufacturer's defects.

### NOTES

NES Company is proud to offer our single-stage/single cone NC Series liquid ring vacuum pumps. These new pumps have been designed to be drop-in replacements for Siemens\* 2BV Series pumps. NES pumps are factory performance tested and include a 2-year warranty.

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

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### GENERAL TECHNICAL DATA

Series Name	Motor Power [HP]	CFM	Max Operating Vacuum ["HgV]	Inlet [Inch]	Outlet [Inch]	Seal Water Usage [GPM]	Seal Water Connection Size [Inch]
NCC - 20	2	18	28	1 FL	1 FL	0.6	0.25 NPT
NCC - 35	3	34	28	1 FL	1 FL	0.6	0.25 NPT
NCC - 55	5	52	28	1.5 FL	1.5 FL	0.7	0.25 NPT
NCC - 75	7.5	72	28	1.5 FL	1.5 FL	1.1	0.25 NPT
NCC - 115	7.5	115	28	2 FL	2 FL	1.8	0.75 NPT
NCC - 160	10	155	28	2 FL	2 FL	2.5	0.75 NPT
NCC - 200	15	190	28	2.5 FL	2.5 FL	2.75	0.75 NPT
NCC - 300	20	275	28	2.5 FL	2.5 FL	4	0.75 NPT
NCC - 350	25	350	28	3 FL	3 FL	5.5	0.75 NPT

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### Variation Table

Variations	Particulars
Metallurgy	Standard Cast Iron Stainless Steel 304 Stainless Steel 316L Duplex Steel Bronze
Direction	Clockwise Counter- Clockwise Rotation
Purpose	Vacuum Pump Compressor
Sealing	Standard Available as Gland Packing Available with Single Seal Available with Single Cartridge Seal Available with Dual Cartridge Seal and Seal Pot
Configuration	Once Through Partial Recovery Full Sealant Recovery
Other System Configuration	Simplex Duplex Triplex Quadruplex

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### Application table

Variation	Applications
Deeper Vacuum	Central Vacuum Systems De-aeration Drying Evaporating Autoclaves Evaporating Priming Forming Fiber Setting Gas Stripping Molding Power Plants Container Filling Filtering
Water Handling	Extruder Venting Eviscerating Foods & Fats

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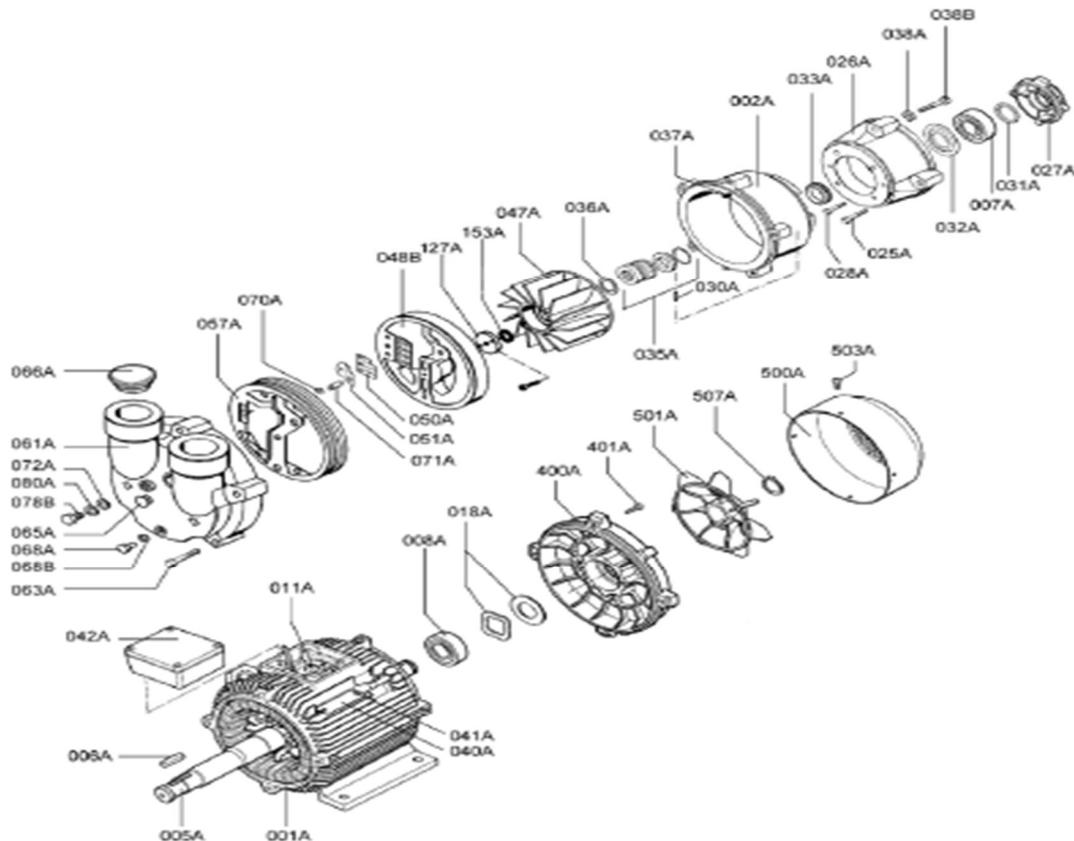
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# NCC Series Liquid Ring Vacuum Pumps

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## Exploded View NCC20 - NCC75



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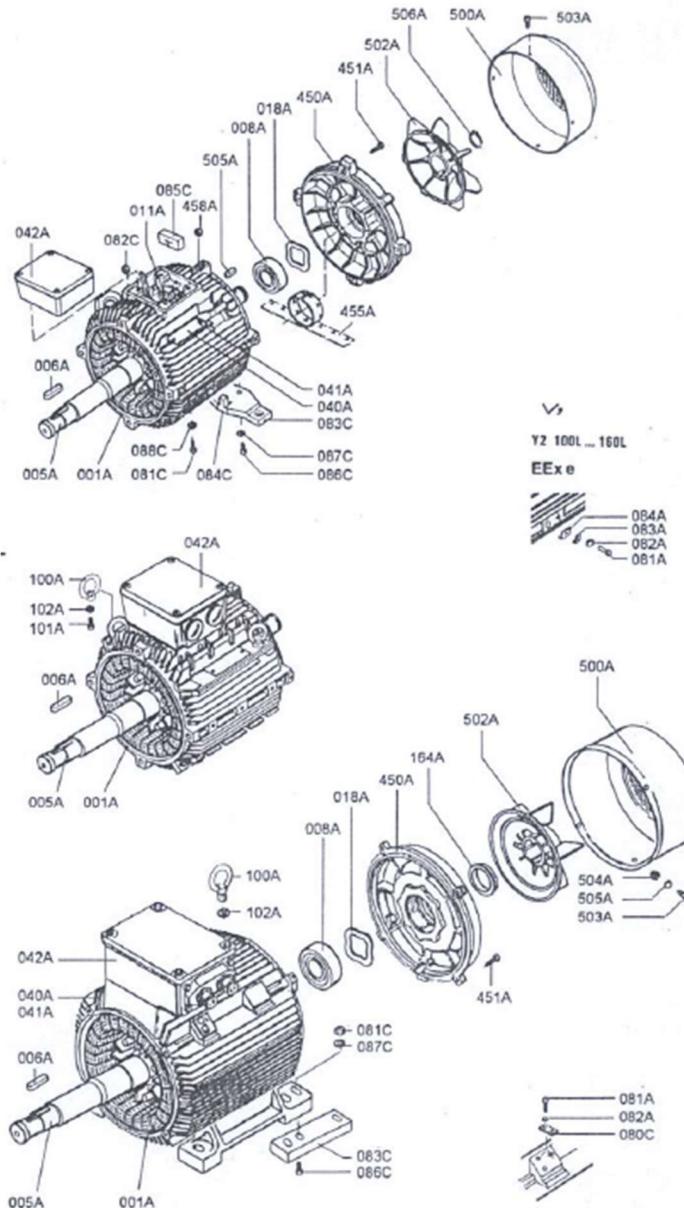
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# NCC Series Liquid Ring Vacuum Pumps

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## Exploded View NC115 – NCC350



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### Material Construction and Weight Table

Type	Material conveying parts	weight* approx. [lbs.]
NCC-20	Cast iron	55.5
NCC-35	Cast iron	57.5
NCC-55	Cast iron	77.5
	Stainless steel	93.0
NCC-75	Cast iron	135
	Stainless steel	148
NCC-115	Cast iron	201
	Stainless steel	216
NCC-160	Cast iron	201
	Stainless steel	216
NCC-200	Cast iron	375
	Stainless steel	401
NCC-300	Cast iron	399
	Stainless steel	432
NCC-350	Cast iron	556
	Stainless steel	582

\*Specified is the weight for the largest motor size.

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