

- 16 standard models with a full range of optional accessories for pick and place applications.
- NJ Series pumps operate with instantaneous response in pulsed applications or on a continuous basis.
- Rugged, cylindrical design.
- Maintenance free pumps have no moving parts or seals that require replacement.
- Manufactured from anodized aluminum.
- Stainless steel, PVC, and other materials are available for high temperature and/or caustic applications.



### Ordering Information

Select a NJ Series pump with the lowest air consumption that meets the application requirements based on the following criteria:

**Vacuum Level, Vacuum Flow, Vacuum Force and Cycle Times.**

Standard operating supply pressure for the NJ Series is 80psi. Specify **60psi** supply power if required by adding **-60psi** after model number.

Specify pump model: i.e. NJS250

Specify accessories and vacuum cup.

The use of NORVAC silencers is strongly recommended. They will reduce noise level up to 30 dB without back pressure.

NJ Series can also be powered by alternate medias. Consult factory.



### Performance Data

NJM series for "Medium" vacuum levels of up to 20" Hg for applications involving porous materials (cardboard, wood, fabric, etc.)

Model	Air Consumption (SCFM)@ 80 PSI	Vacuum Flow (scfm) vs. Vacuum Level ("Hg) @ 80 psi							
		0"	3"	6"	9"	12"	15"	18"	20"
NJM 60M*	0.50	0.50	0.40	0.30	0.22	0.15	0.08	0.03	0.00
NJM 90M	1.40	1.40	1.25	1.20	1.05	0.85	0.65	0.25	0.00
NJM 100M	1.80	2.10	2.00	1.85	1.75	1.60	1.25	0.80	0.00
NJM 150M	2.80	3.50	3.20	2.95	2.75	2.50	1.80	0.95	0.00
NJM 200	4.80	6.00	5.30	4.90	4.00	3.50	2.50	1.10	0.00
NJM 250	7.80	9.50	9.20	8.30	7.00	4.70	3.40	2.20	0.00
NJM 300	12.50	20.00	19.00	16.30	13.80	8.10	5.50	3.30	0.00
NJM 350	17.00	28.00	24.00	19.40	16.80	14.50	11.20	4.80	0.00

\* The "M" suffix denotes miniature.

### Performance Data

Model	Evacuation Time based on 1 cu. ft. volume ("Hg)							
	0"	3"	6"	9"	12"	15"	18"	20"
NJM 60M	0.00	12.50	25.10	43.90	68.60	99.30	153.70	227.00
NJM 90M	0.00	3.75	7.20	12.40	19.10	29.90	52.00	104.00
NJM 100M	0.00	2.65	5.80	9.90	16.20	22.90	36.20	56.60
NJM 150M	0.00	1.35	3.20	5.20	7.70	11.80	23.40	52.00
NJM 200	0.00	0.75	1.90	3.20	5.30	8.70	17.10	42.60
NJM 250	0.00	0.45	1.10	2.40	3.80	6.00	9.70	15.40
NJM 300	0.00	0.00	0.00	1.10	1.80	2.70	4.60	8.70
NJM 350	0.00	0.00	0.00	1.00	1.50	2.10	4.30	8.40



**NJ Series Vacuum Pumps**

**Performance Data**

NJH series for "High" vacuum levels of up to 28" Hg for applications involving non-porous materials (steel, plastic, glass, etc.)

Model	Air Consumption (SCFM)@ 80 PSI	Vacuum Flow (scfm) vs. Vacuum Level ("Hg) @ 80 psi										
		0"	3"	6"	9"	12"	15"	18"	21"	24"	27"	28"
NJH 60M*	0.80	0.50	0.38	0.32	0.30	0.27	0.23	0.20	0.13	0.05	0.02	0.00
NJH 90M	1.80	1.20	1.00	0.95	0.90	0.85	0.75	0.70	0.52	0.47	0.20	0.00
NJH 100M	2.80	2.00	1.85	1.75	1.57	1.40	1.25	1.05	0.84	0.70	0.35	0.00
NJH 150M	4.80	3.20	2.80	2.50	2.30	2.00	1.60	1.40	1.20	0.80	0.50	0.00
NJH 200	7.80	5.40	4.70	3.85	3.30	3.00	2.60	2.10	1.60	1.20	0.60	0.00
NJH 250	12.50	9.00	8.50	7.85	7.00	6.50	5.30	3.90	2.50	1.80	0.90	0.00
NJH 300	22.00	20.00	17.00	14.00	12.70	12.00	10.00	7.40	4.90	2.70	1.30	0.00
NJH 350	28.00	28.00	22.00	18.70	15.90	14.50	11.80	8.10	5.70	4.50	2.25	0.00

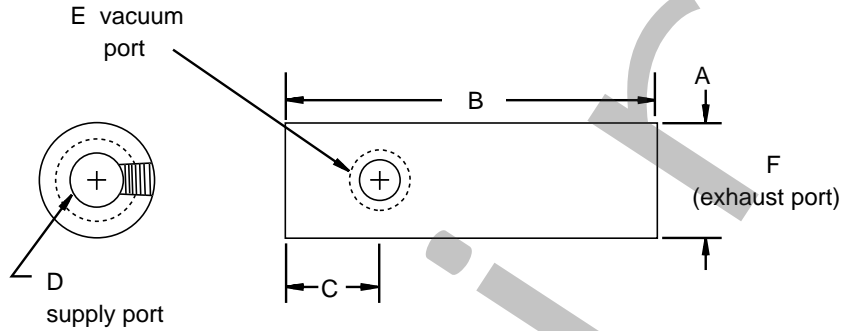
\* The "M" suffix denotes miniature.

**Performance Data**

Model	Evacuation Time (seconds) based on 1 cu. ft. volume ("Hg)										
	0"	3"	6"	9"	12"	15"	18"	21"	24"	27"	28"
NJH 60M	0.00	15.00	29.80	50.60	74.50	102.80	135.90	183.20	245.90	410.20	790.80
NJH 90M	0.00	6.50	12.30	18.90	32.50	47.00	65.40	92.20	130.00	222.20	281.30
NJH 100M	0.00	2.70	6.50	11.20	17.50	25.80	38.40	55.20	79.20	166.70	251.80
NJH 150M	0.00	2.30	3.80	6.50	10.20	14.10	21.30	44.90	55.00	81.00	125.00
NJH 200	0.00	1.20	2.10	3.40	5.20	7.70	11.50	20.00	33.50	62.60	98.10
NJH 250	0.00	0.75	1.30	2.20	3.50	5.60	9.10	17.40	30.10	56.00	76.00
NJH 300	0.00	0.00	0.80	1.20	2.00	2.80	3.90	5.90	11.10	32.70	60.00
NJH 350	0.00	0.00	0.00	1.20	1.90	2.30	3.40	5.30	8.80	26.00	44.00



NJ Series



Model	Dimensions							Recommended Silencer*	Length w/Silencer
	A	B	C	D NPT	E NPT	F NPT			
60M 90M	0.75 (19)	2.75 (70)	0.75 (19)	1/8	1/8	1/4	NAA4 NST4	4.13 (105) 4.13 (105)	
100M 150M	0.75 (19)	2.75 (70)	0.75 (19)	1/8	1/8	1/4	NAA4 NST4	4.13 (105) 4.88 (124)	
150	1.25 (32)	4.0 (102)	1.0 (25)	1/4	3/8	3/8	NAA6 NST6A	5.88 (149) 8.0 (203)	
200	1.25 (32)	4.0 (102)	1.0 (25)	1/4	3/8	3/8	NAA6 NST6A NFA51-3/8	5.88 (149) 8.0 (203) 9.75 (248)	
250	1.25 (32)	4.0 (102)	1.0 (25)	1/4	3/8	3/8	NFA51-3/8 NST6B	9.75 (248) 8.0 (203)	
300	1.25 (32)	5.0 (127)	1.0 (25)	3/8	3/8	3/8	NFA51-3/8 NST6B	10.75 (273) 10.25 (260)	
350	1.50 (38)	6.0 (152)	1.50 (38)	1/2	1/2	1/2	NFA51-1/2 NST8B	11.75 (298) 11.25 (286)	

\*Note: For ultra quiet operation the STAA4 Silencer can be used on all of the M series models. All M series w/STAA4 length = 6.00".