

NETZSCH



NETZSCH

The Heart of Your Process

Standard Close Coupled Pump Series



NETZSCH



NETZSCH

A Quick Solution at an Ideal Price

From the world leader in pumping technology, NETZSCH NEMO® Pump combines proven technology, engineering excellence, and quality manufacturing to offer you its **Standard Close Coupled Pump Series**. This reliable series is ideal for a wide variety of applications where cost effectiveness is paramount, installation space is limited and delivery is critical.

Providing consistent quality and performance that our satisfied customers have grown to expect, every **Standard Close Coupled Pump** provides many value-added benefits:

Cost Efficient

The Close Coupled Series modular design consists of a minimal number of easily maintained components and pre-selected gear reducers and motors. For our customers, this means both guaranteed lower initial investment costs and maintenance expenses.

Easy Installation

NEMO® recognizes that your installation space is limited. The compact design of our modular Close Coupled Pump Series minimizes your floor space requirements.

Fast Delivery

NEMO® meets all of your immediate pumping requirements by quickly delivering our Standard Close Coupled Series. NEMO® Close Coupled Pumps are stocked in sizes that deliver up to 800 gpm. Pre-configured drives and baseplates are readily available in a variety of sizes. Standard gear reducers and motors are stocked locally throughout North America. Genuine NEMO® standard service parts are inventoried at our Exton, PA manufacturing facility for immediate delivery. Providing replacement parts quickly results in less manufacturing down time to our valued customers.

Low Maintenance

NEMO's® modular designed pumps can be easily and quickly assembled and disassembled for routine maintenance or field modifications. All Standard Series pumps are equipped with NETZSCH patented* SM Sealed Pin Joints which provides extended service life. The totally sealed, oil filled SM Sealed Pin Joints are easy to maintain because of their superior design and minimum number of parts. *Patent #4,305,596

Standard NEMO® Pumps are manufactured with the highest quality components including proven Buna N Stators, high quality Viton® SM Joint Seals, and SM Pin Type Universal Joints for longer service life. These pumps also include packing as a low cost shaft seal and are available in cast iron or stainless steel materials of construction.

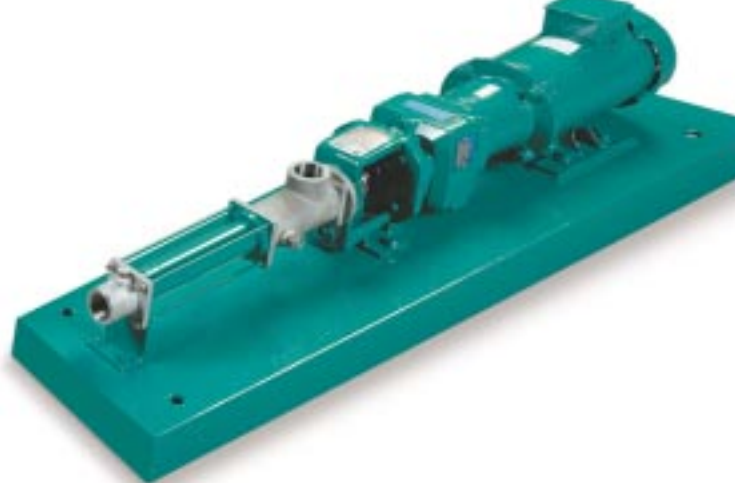
Single and two stage geometries are available. NEMO's® S-Geometry is ideal for multiple stage applications or when lower internal velocities are required. NEMO's® L-Geometry delivers twice the volume per cavity, providing greater volumetric efficiency and lower circumferential velocity resulting in less wear when handling aggressive mediums.

This Pump Series offers output capacities up to 2000 gpm and pressure capacities up to 350 psi. Open throat and vertical configurations are also available. *Every Standard Pump can be customized to suit specific applications by selecting from a variety of manufacturing materials.*

NEMO® Standard Close Coupled Pumps can be used in virtually all industry sectors for countless applications. These pumps can handle high viscosity and shear-sensitive materials making NEMO® the pump ideally suited for industrial and municipal applications including waste treatment, chemicals, petrochemicals, food, mining and pulp and paper.

NEMO® Standard Close Coupled Pumps are manufactured to the same highest quality standards as all NETZSCH NEMO® NM Series Pumps. All NEMO® Pumps offer:

- Low shear rate ensuring less damage to sensitive products
- Non-pulsating flow resulting in product consistency and uniformly metered delivery
- High volumetric, electrical and mechanical efficiencies promise power consumption savings
- Flow rate that is proportional to the pump's operating speed, ensuring consistent and reliable output
- High viscosity and solids content pumping capabilities allow a single NEMO® Pump to easily handle materials at various flow rates



- Up to 35% Lower Initial Investment and Maintenance Costs Compared to Other Comparably Sized Pumps

- Space Saving Installation

- Locally Stocked Gear Reducers and Motors for Fast Delivery



- On-site Service Parts Inventory Results in Less Customer Downtime

- 130 Years of Manufacturing Excellence Worldwide



Typical Dimensions

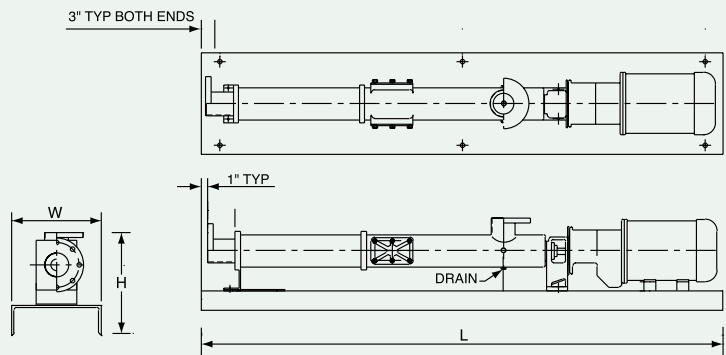
This NEMO® Standard Close Coupled Pump Typical Dimensions Chart provides a general outline drawing for each pump. Detailed dimensions are available upon request. Please contact your local NEMO® Pump Representative for additional information.

PUMP		W	L	H	HP
NM003-NM011BY		10.00	35.00	7.59	0.5
NM015BY	01L06 02S12	12.00	41.00	9.24	0.5
NM021BY	01L06 02S12	12.00	45.00	9.24	1.0
NM031BY	01L06 02S12	12.00	52.00	11.68	2.0
NM038BY	01L06 02S12	12.00	72.00	13.25	5.0
NM045BY	01L06 02S12	12.00	85.00	14.35	7.5
NM053BY	01L06 02S12	12.00	92.00	16.13	7.5
NM063BY	01L06 02S12	15.00	106.00	19.15	10.0
NM076BY	01L06 02S12	18.00	117.00	21.08	20.0
NM090BY	01L06 02S12	18.00	135.00	22.45	30.0
NM105BY	01L06 02S12	18.00	162.00	25.01	50.0

* All dimensions are in inches

** All gear motors are supplied with 1750 RPM AC Motors

*** Open throat dimensions may vary



General Output Capacities

This General Output Capacity Chart is supplied to estimate pump sizing only. Please contact your local NEMO® Pump Representative with detailed application information to obtain a formal quotation.

Single Stage Pumps	High Abrasion/ High Viscosity (gpm)	Medium Abrasion/ Medium Viscosity (gpm)	Low Abrasion/ Low Viscosity (gpm)	Max. Pressure (psi)	Two Stage Pumps	High Abrasion/ High Viscosity (gpm)	Medium Abrasion/ Medium Viscosity (gpm)	Low Abrasion/ Low Viscosity (gpm)	Max. Pressure (psi)
NM003-NM011BY - See Performance Curves					NM003-NM011BY - See Performance Curves				
NM015BY01L06	0.4	1.5	2.5	90	NM015BY02S12	0.25	0.75	1.25	175
NM021BY01L06	1.2	4.2	7.0	90	NM021BY02S12	0.7	2.1	3.5	175
NM031BY01L06	4.0	12.0	20.0	90	NM031BY02S12	2.0	6.0	10.0	175
NM038BY01L06	11.0	33.0	55.0	90	NM038BY02S12	5.5	16.5	27.5	175
NM045BY01L06	18.0	54.0	90.0	90	NM045BY02S12	9.0	27.0	45.0	175
NM053BY01L06	32.0	96.0	160.0	90	NM053BY02S12	16.0	48.0	80.0	175
NM063BY01L06	54.0	162.0	270.0	90	NM063BY02S12	27.0	81.0	135.0	175
NM076BY01L06	90.0	270.0	450.0	90	NM076BY02S12	45.0	135.0	225.0	175
NM090BY01L06	154.0	462.0	770.0	90	NM090BY02S12	77.0	231.0	385.0	175
NM105BY01L06	230.0	580.0	1000.0	90	NM105BY02S12	115.0	290.0	500.0	175

* Installation Autocad drawings are available upon request

** Standard NEMO® Pumps can be mounted vertically when installation space is limited

The local Sales Representative in your area is:

NETZSCH
Incorporated

NETZSCH Incorporated
NETZSCH Pump Division
119 Pickering Way Exton, PA 19341
Tel: 610-363-8010 Fax: 610-363-0971
E-mail: nemopump@netzschusa.com
www.netzschusa.com