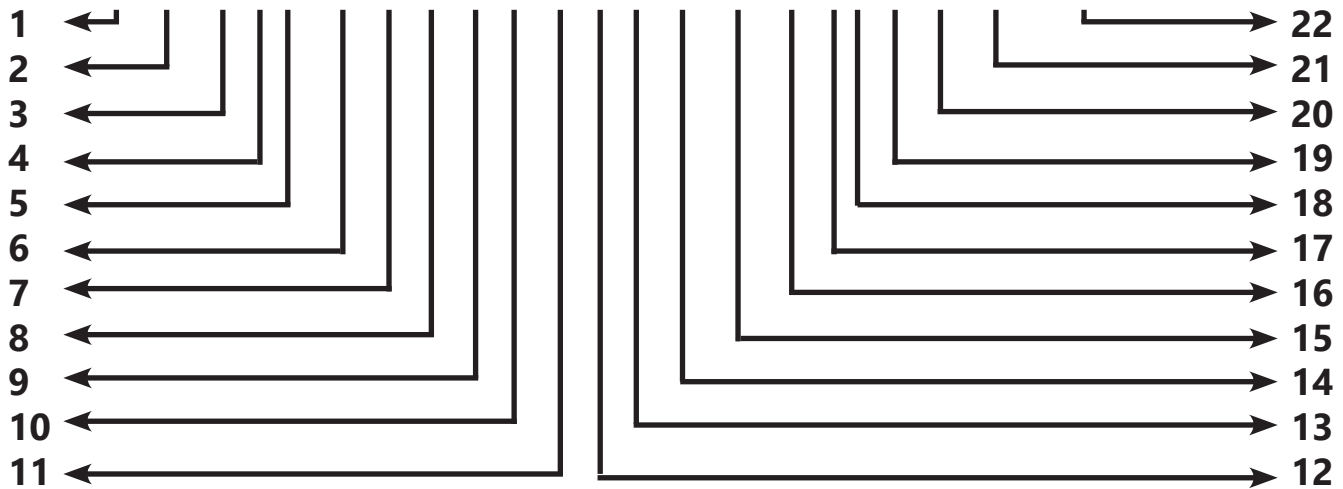


LobePro Pump Identification

LobePro rotary pumps are modelled and identified according to its intended application or use. The nomenclature below describes the standard pump frame size, capacity, pressure capability, drive shaft arrangement, application and the serial number as the pump materials of construction include standard wear parts and casing material. Standard and other common options are listed below. Other options available upon request.

SM50.T-AGCGVGQAMS-NEFAN4h-123456



1 - Certification / Service:

- S - General Use, Sludge, Mud & Slurries
- C - Chemical & Corrosive
- D - Duplex Steel-Oil & Gas
- API - API 676 Compliant (Available in each Service)

2 - Pump Frame:

- S - Small
- M - Medium
- L - Large

3 - Rate Capacity/Size:

- Gallons per 100 revolutions

4 - Shaft Support or Arrangement:

- . - Overhanging shafts
- h - Fully supported shafts
- p - Proform pump casing
- c - Component/adjustable housings

5 - Driver Shaft Configuration:

- T - Top Drive
- B - Bottom Drive
- H - Top Hydraulic

6 - Shaft Material:

- A - A4140 Steel
- S - 440A Stainless Steel
- X - Custom

7 - Pump Cover:

- G - Grey Iron
- C - Carbon Steel
- S - 316 Stainless Steel
- T - Grey Iron - CIT coated
- D - Duplex 2205
- H - Grey Iron HP Door
- U - Grey Iron - CIT coated HP Door

8 - Flange Ring:

- C - Carbon Steel
- S - 316 Stainless Steel
- D - Duplex 2205
- _ - None

9 - Housing Segment / Casing:

- A - AGI-600 Grey Iron
- D - CD3mn Duplex Steel
- S - 316 Stainless Steel
- G - Class 30 Grey Iron
- C - Carbon Steel

10 - Housing Segment Gasket

- V - Vegetable Fiber
- K - C7400 Aramid Fiber
- E - EDPM
- F - FKM

11 - Seal Quench Chamber:

- G - Grey Iron
- T - Grey Iron - CIT coated
- C - Carbon Steel
- S - 316 Stainless Steel

12 - Oil Drain Connections:

- D - Standard Plugs
- Q - Brass/Steel Quick Drain Hoses
- S - Stainless Steel Quick Drain Hoses

13 - Transition Fittings:

- A - Standard Steel Transition Fitting
- S - Standard SS Transition Fitting
- X - Special Transition Fitting
- _ - No Transition Fitting

14 - Transition Fitting Gaskets:

- M - Multi-Swell
- F - FKM
- E - EDPM

15 - Pressure Disc:

- S - 316 Stainless Steel
- D - Duplex Stainless Steel
- L - High Pressure Door SpaLh.SS

16 - Mechanical Seal Assembly:

- N - LARS.D.EN.F
- S - LARS.SC.SS.F
- V - LARS.TC.DS.F
- M - LARS.SC.EN.F
- R - LARS.D.SS.F
- E - LARS.SC.DS.F
- Q - LARS.TC.SS.F
- U - LARS.TC.EN.F

17 - Strain Bolts:

- E - Geomet-coated Steel
- S - 316 Stainless Steel
- D - Duplex Stainless Steel
- N - HP Door Lh Steel Nut

18 - Orings:

- F - FKM
- H - HNBR
- E - EPDM
- N - NBR

19 - Wear Plates:

- A - AR500
- S - 316 Stainless Steel
- D - Duplex 2205

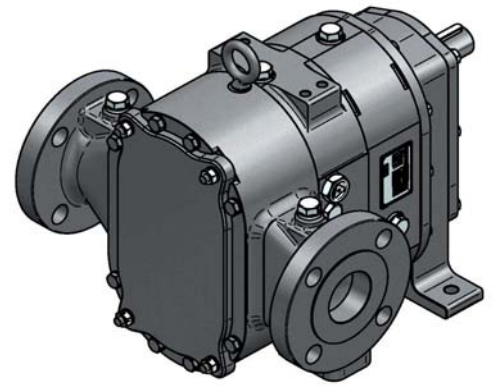
20 - Lobe Coating / Core Material

- N - NBR Steel Core
- G - NBR GI Core
- H - HNBR
- E - EDPM
- F - FKM

21 - Lobe Shape:

- 4h - 4 Wing Helix
- 6h - 6 Wing Helix
- 6s - 6 Wing Straight
- 2s - 2 Wing Straight

22 - Serial Number



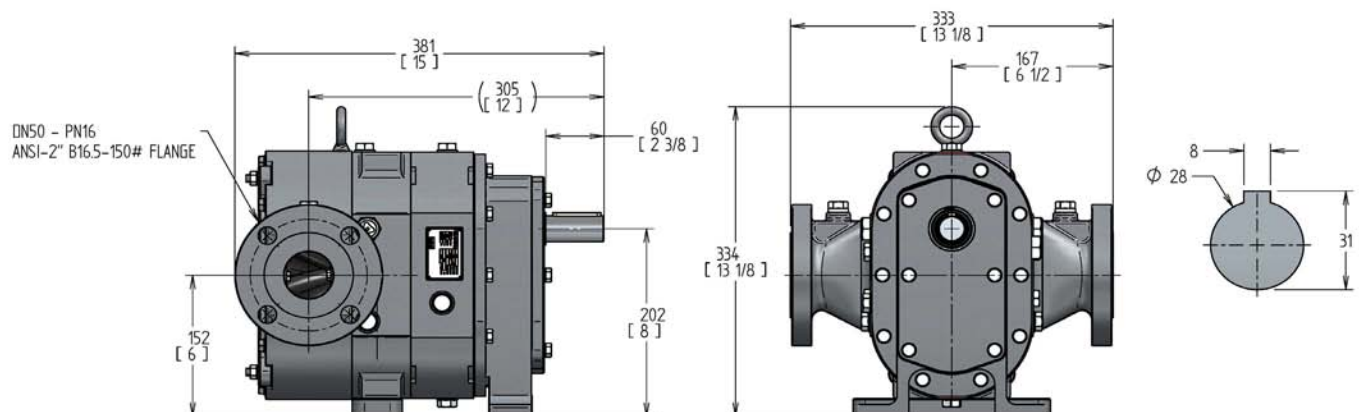
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-72 gpm	0-16 m ³ /hr
Displacement (per 100 revolutions):	8 gal (US)	30 L
Maximum Continuous Pressure:	175 psi	12.1 bar
Starting Torque:	720 in lbf	127 N m
Rated Speed:	0-900 RPM	0-900 RPM
Shaft Diameter:	1.1"	28 mm
Flange Connection Class:	ANSI 16.5-150#	DN - PN 16
Flange Connection Size:	ANSI 2"	DN 50
Weight:	150 lbs	68 kg
Solids Handling:		
Spherical Compressible	0.75"	19 mm
Spherical Hard*	1/8"	3 mm

* Larger hard solids will pass through but may cause damage.

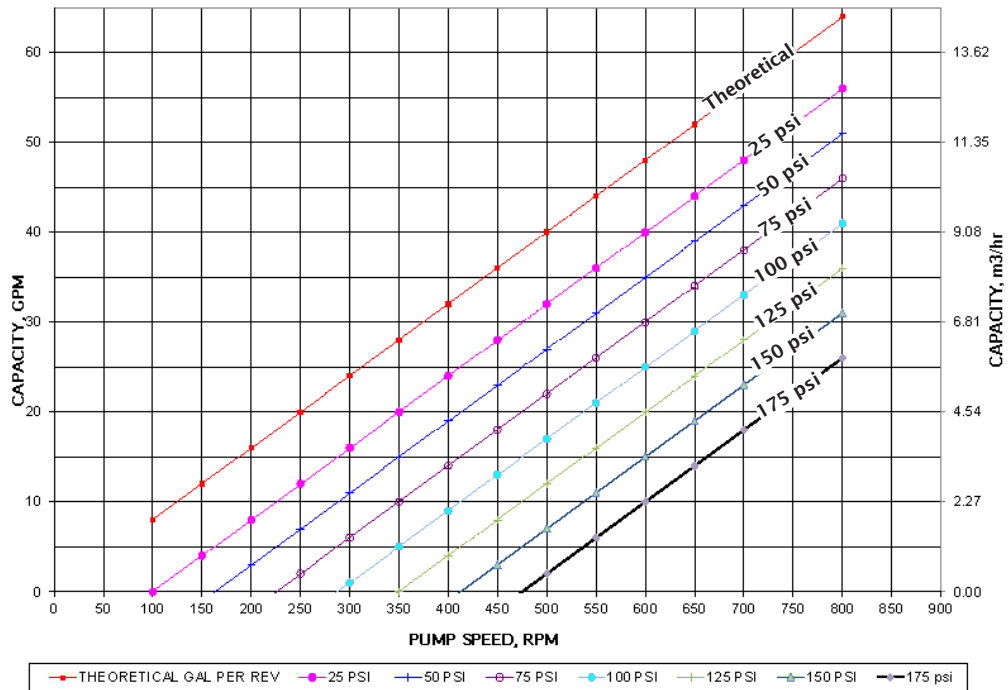
MODEL >	SS8p	CS8p	DS8p
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix	Helix
Number of lobe wings	6	6	6
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
O-rings	FKM	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal	Duronit Opt. Tungsten Carbide, Silicon Carbide or Eng. Rec.	Silicon Carbide Opt. Tungsten Carbide or Engineer Rec.	Tungsten Carbide Opt. Silicon Carbide or Engineer Rec.
Seal Holders	Carbon Steel with Corrosion resistant coating	Stainless Steel Type 316	Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Pump Wetend Housing			
Proform design**	ASTM A48 Grey Iron	Duplex CD3Mn Stainless Steel	Duplex CD3Mn Stainless Steel
Bolts	Carbon Steel ISO 898-I	Stainless Steel A2-A4	Duplex Stainless Steel
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L	Duplex Stainless Steel
LIMITED EXPOSURE PARTS			
Pump Cover	Carbon Steel Opt. Engineering Recommendation	316 Stainless Steel Opt. Engineering Rec.	Duplex Stainless Steel Opt. Engineering Rec.
NON-WETTED PARTS			
Quench/Seal Cooling Chamber	Carbon Steel	Carbon Steel	Carbon Steel
Gears	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing	Carbon Steel or ASTM A48 Grey Iron rust primed	Carbon Steel or ASTM A48 Grey Iron	Carbon Steel or ASTM A48 Grey Iron
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS			
Standard Painting	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver	SSPC/SP6 Sandblast Paint LobePro Silver

NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F). **Proform housing segment incorporates housing segment, flange ring, barrier plate and integral suction and discharge flange fittings in one piece. Component Design available in Sc line.



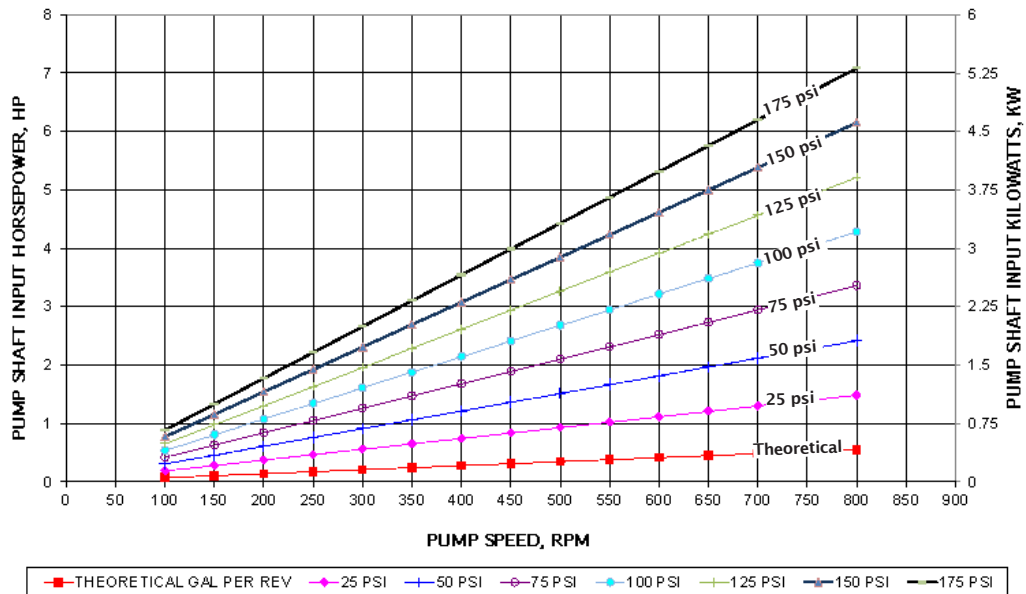
S8 CURVES

Performance Curve - NBR Lobes*
Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
Output will increase as viscosity of the fluid increases from 1.



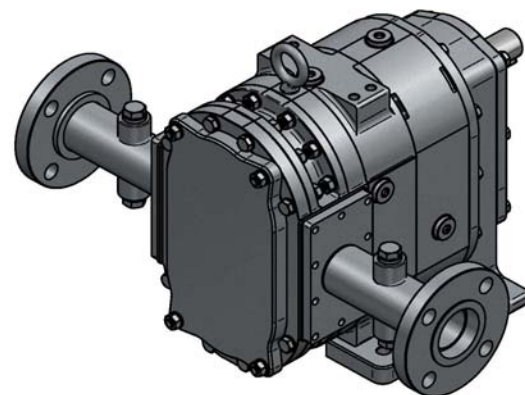
*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements





S8c



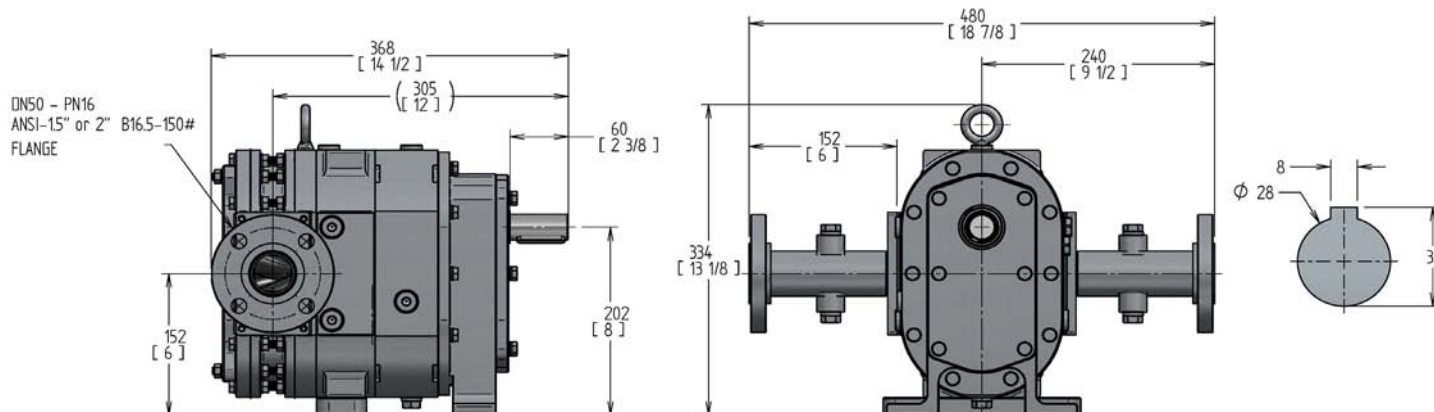
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-72 gpm	0-16 m ³ /hr
Displacement (per 100 revolutions):	8 gal (US)	30 L
Maximum Continuous Pressure:	175 psi	12.1 bar
Starting Torque:	720 in lbf	127 N m
Rated Speed:	0-900 RPM	0-900 RPM
Shaft Diameter:	1.1"	28 mm
Flange Connection Class:	ANSI 16.5-150#	DN - PN 16
Flange Connection Size:	ANSI 2"	DN 50
Weight:	144 lbs	65 kg
Solids Handling:		
Spherical Compressible	0.75"	19 mm
Spherical Hard*	1/8"	3 mm

* Larger hard solids will pass through but may cause damage.

MODEL >	SS8c	CS8c
Service	Sludge, Mud and Slurries*	Chemical/Corrosive
WETTED PARTS		
Rotary Lobes		
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix
Number of lobe wings	6	6
Core	Carbon Steel	Carbon Steel
Sealing Elastomers		
O-rings	FKM	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals		
Mechanical Seal	Duronit	Silicon Carbide
Seal Holders	Opt. Tungsten Carbide, Silicon Carbide or Engineer Rec. Carbon Steel with Corrosion resistant coating	Opt. Tungsten Carbide or Engineer Rec. Stainless Steel Type 316
Wear Plates		
	AR500 Steel (Brinell 500)	Duplex Stainless Steel
Housing Segments		
	Carbon Steel	Duplex Stainless Steel
Flange Ring		
	ASTM A36 Carbon Steel	Stainless Steel Type 316L
Bolts		
	Carbon Steel ISO 898-I	Stainless Steel A2-A4
Pressure Disc		
	Stainless Steel Type 316L	Stainless Steel Type 316L
LIMITED EXPOSURE PARTS		
Quench Adaptor/Barrier Plate		
	Carbon Steel	Carbon Steel
Pump Cover		
	Carbon Steel Opt. Engineering Recommendation	316 Stainless Steel Opt. Engineering Recommendation
NON-WETTED PARTS		
Quench /Seal Cooling Chamber		
	Carbon Steel	Carbon Steel
Gears		
	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing		
	Carbon Steel or ASTM A48 Grey Iron rust primed	Carbon Steel or ASTM A48 Grey Iron
Shaft		
	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS		
Standard Painting		
	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver

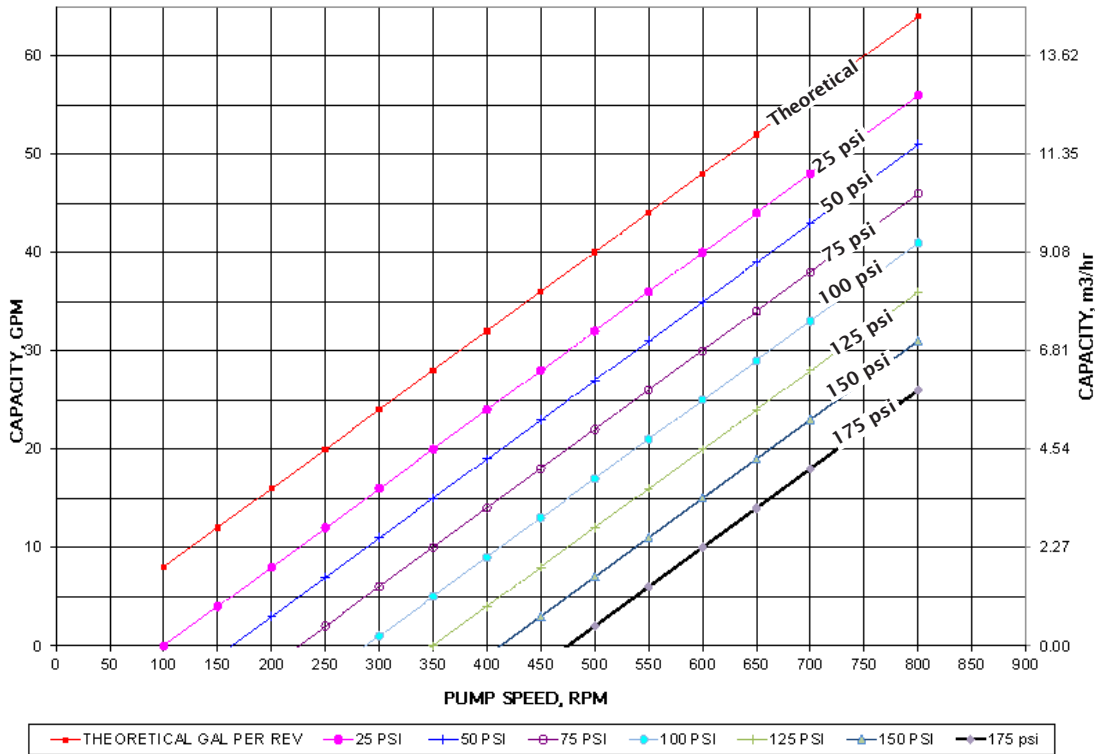
NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F). One piece pump casing design available in Sp line.



S8 CURVES

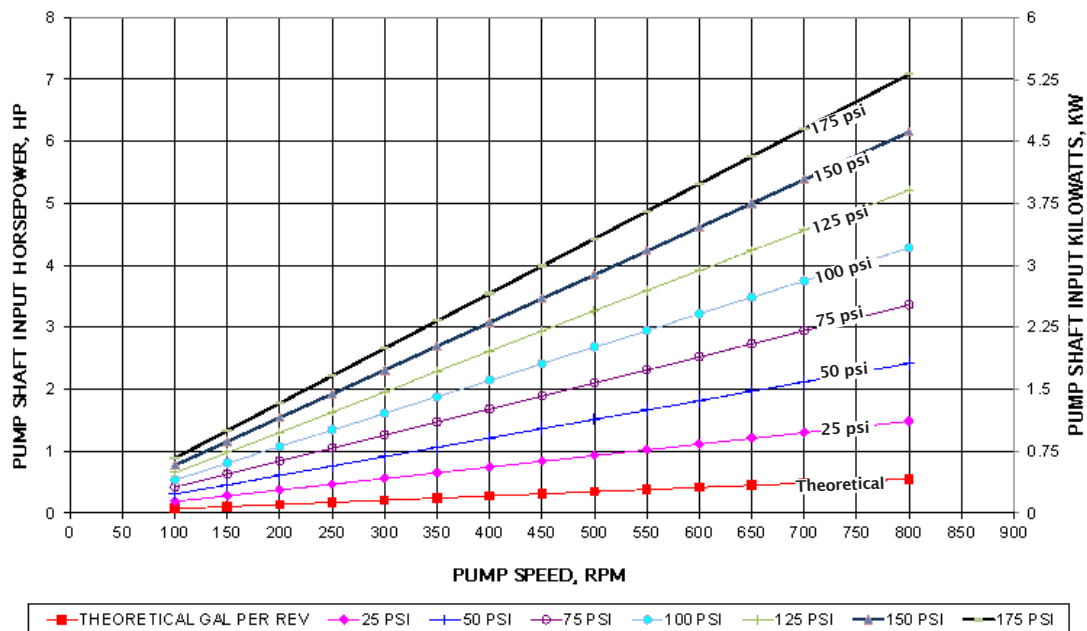
Performance Curve - NBR Lobes*

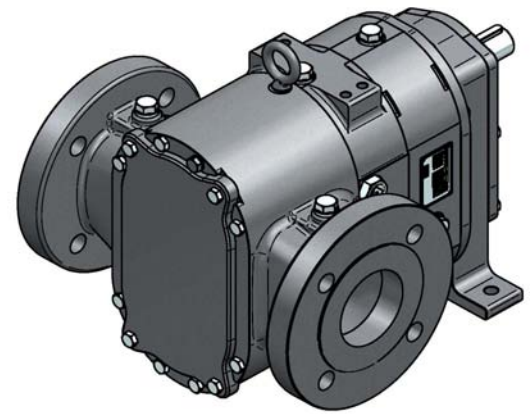
Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
Output will increase as viscosity of the fluid increases from 1.



*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements



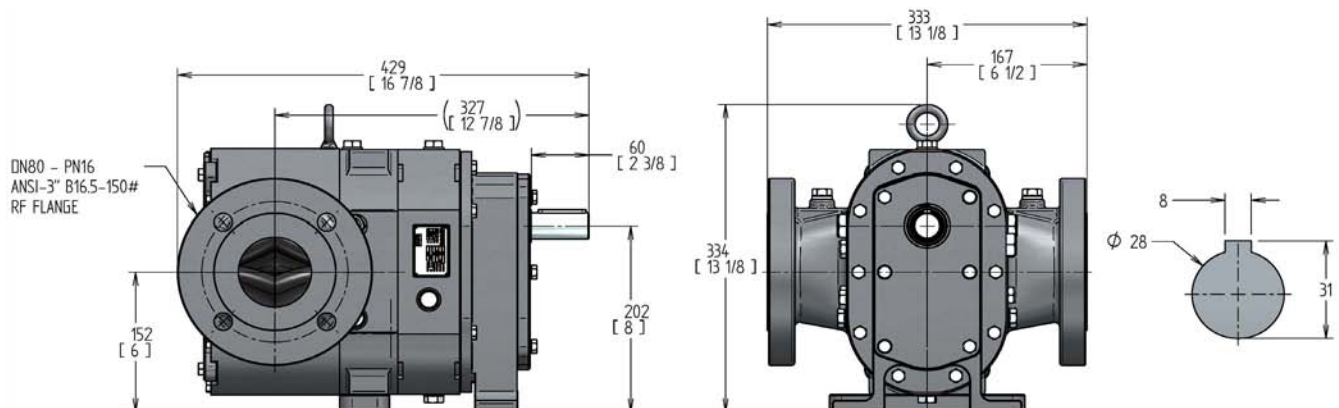
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-144 gpm	0-32 m ³ /hr
Displacement (per 100 revolutions):	16 gal (US)	60 L
Maximum Continuous Pressure:	100 psi	6.9 bar
Starting Torque:	720 in lbf	127 N m
Rated Speed:	0-900 RPM	0-900 RPM
Shaft Diameter:	1.1"	28 mm
Flange Connection Class:	ANSI 16.5-150#	DN - PN 16
Flange Connection Size:	ANSI 3"	DN 80
Weight:	175 lbs	80 kg
Solids Handling:		
Spherical Compressible	0.75"	19 mm
Spherical Hard*	1/8"	3 mm

* Larger hard solids will pass through but may cause damage.

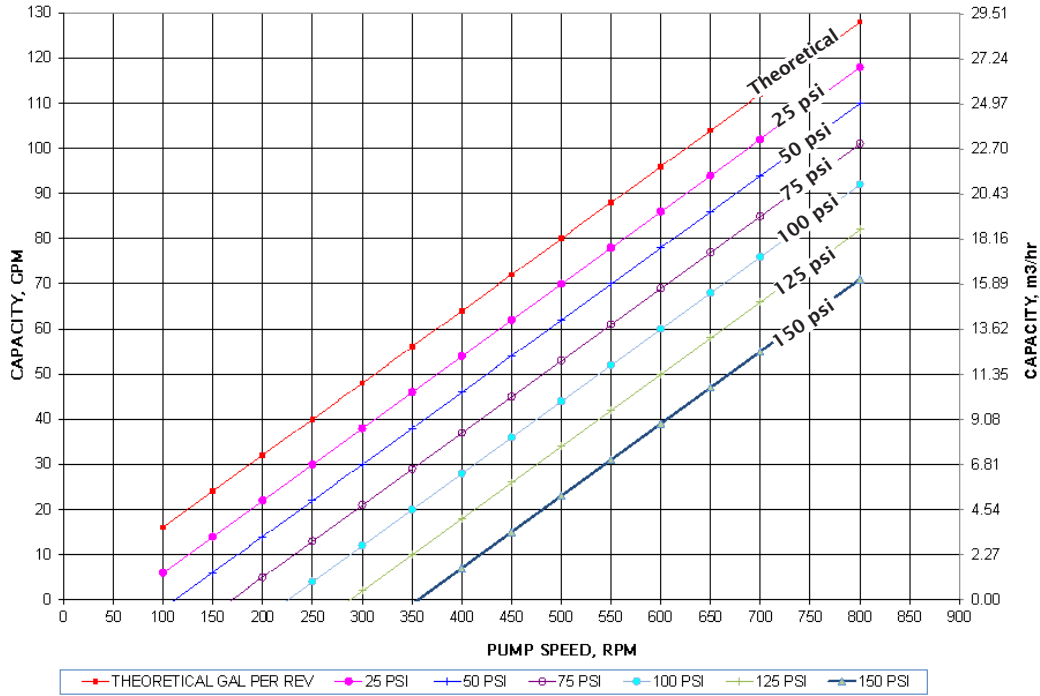
MODEL >	SS16p	CS16p	DS16p
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Straight	Straight	Straight
Number of lobe wings	6	6	6
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
O-rings	FKM	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal	Duronit Opt. Tungsten Carbide, Silicon Carbide or Eng. Rec.	Silicon Carbide Opt. Tungsten Carbide or Engineer Rec.	Tungsten Carbide Opt. Silicon Carbide or Engineer Rec.
Seal Holders	Carbon Steel with Corrosion resistant coating	Stainless Steel Type 316	Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Pump Wetend Housing			
Proform design**	ASTM A48 Grey Iron	Duplex CD3Mn Stainless Steel	Duplex CD3Mn Stainless Steel
Bolts	Carbon Steel ISO 898-I	Stainless Steel A2-A4	Duplex Stainless Steel
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L	Duplex Stainless Steel
LIMITED EXPOSURE PARTS			
Pump Cover	Carbon Steel Opt. Engineering Recommendation	316 Stainless Steel Opt. Engineering Rec.	Duplex Stainless Steel Opt. Engineering Rec.
NON-WETTED PARTS			
Quench/Seal Cooling Chamber	Carbon Steel	Carbon Steel	Carbon Steel
Gears	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing	Carbon Steel or ASTM A48 Grey Iron rust primed	Carbon Steel or ASTM A48 Grey Iron	Carbon Steel or ASTM A48 Grey Iron
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS			
Standard Painting	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver	SSPC/SP6 Sandblast Paint LobePro Silver

NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F). **Proform housing segment incorporates housing segment, flange ring, barrier plate and integral suction and discharge flange fittings in one piece. Component Design available in Sc line.



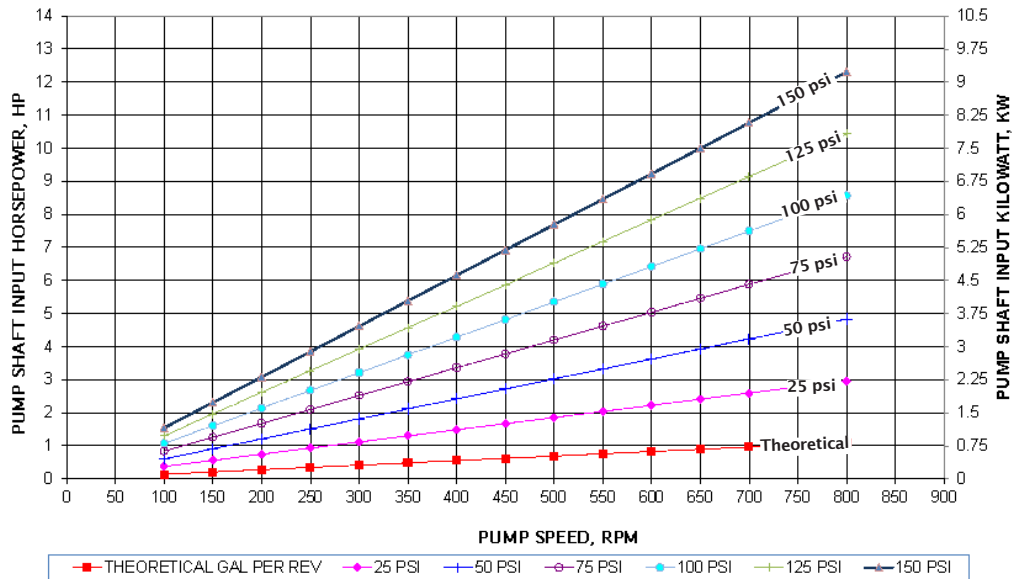
S16 CURVES

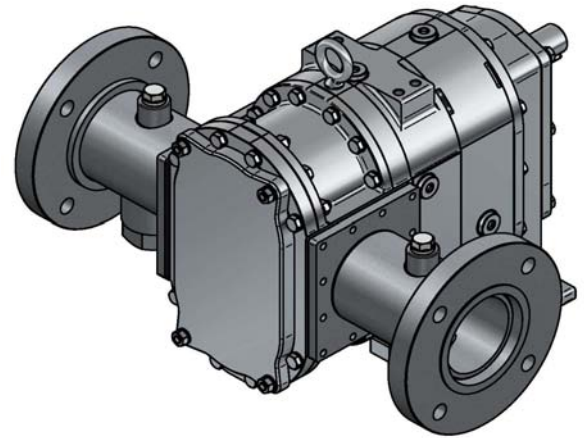
Performance Curve - NBR Lobes*
Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
Output will increase as viscosity of the fluid increases from 1.



*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements



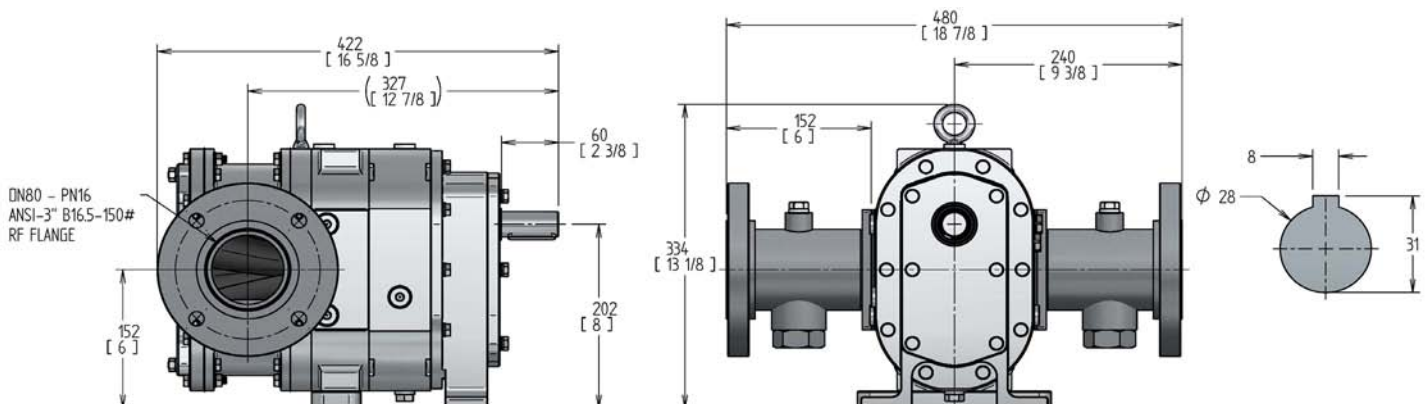
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-144 gpm	0-32 m ³ /hr
Displacement (per 100 revolutions):	16 gal (US)	60 L
Maximum Continuous Pressure:	100 psi	6.9 bar
Starting Torque:	720 in lbf	127 N m
Rated Speed:	0-900 RPM	0-900 RPM
Shaft Diameter:	1.1"	28 mm
Flange Connection Class:	ANSI 16.5-150#	DN - PN 16
Flange Connection Size:	ANSI 3"	DN 80
Weight:	182 lbs	82 kg
Solids Handling:		
Spherical Compressible	0.75"	19 mm
Spherical Hard*	1/8"	3 mm

* Larger hard solids will pass through but may cause damage.

MODEL >	SS16c	CS16c
Service	Sludge, Mud and Slurries*	Chemical/Corrosive
WETTED PARTS		
Rotary Lobes		
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Straight	Straight
Number of lobe wings	6	6
Core	Carbon Steel	Carbon Steel
Sealing Elastomers		
O-rings	FKM	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals		
Mechanical Seal	Duronit Opt. Tungsten Carbide, Silicon Carbide or Engineer Rec.	Silicon Carbide Opt. Tungsten Carbide or Engineer Rec.
Seal Holders	Carbon Steel with Corrosion resistant coating	Stainless Steel Type 316
Wear Plates		
	AR500 Steel (Brinell 500)	Duplex Stainless Steel
Housing Segments		
	Carbon Steel	Duplex Stainless Steel
Flange Ring		
	ASTM A36 Carbon Steel	Stainless Steel Type 316L
Bolts		
	Carbon Steel ISO 898-I	Stainless Steel A2-A4
Pressure Disc		
	Stainless Steel Type 316L	Stainless Steel Type 316L
LIMITED EXPOSURE PARTS		
Quench Adaptor/Barrier Plate		
	Carbon Steel	Carbon Steel
Pump Cover		
	Carbon Steel Opt. Engineering Recommendation	316 Stainless Steel Opt. Engineering Recommendation
NON-WETTED PARTS		
Quench /Seal Cooling Chamber		
	Carbon Steel	Carbon Steel
Gears		
	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing		
	Carbon Steel or ASTM A48 Grey Iron rust primed	Carbon Steel or ASTM A48 Grey Iron
Shaft		
	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS		
Standard Painting		
	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver

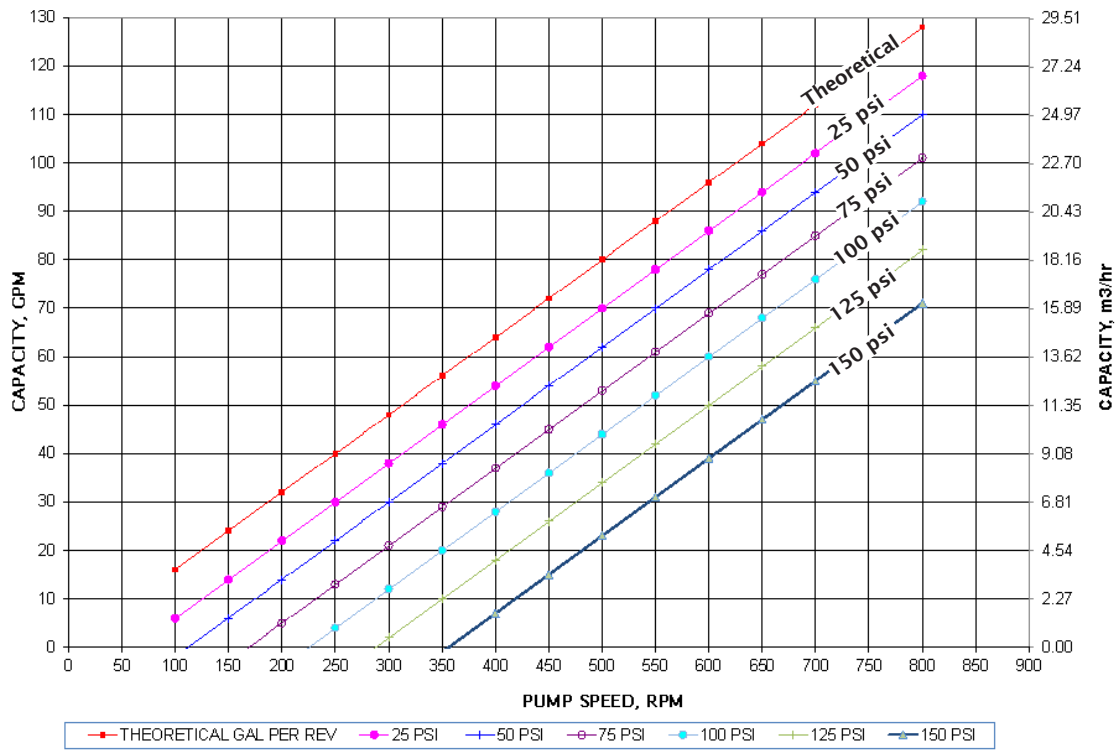
NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F). One piece pump casing design available in Sp line.



S16 CURVES

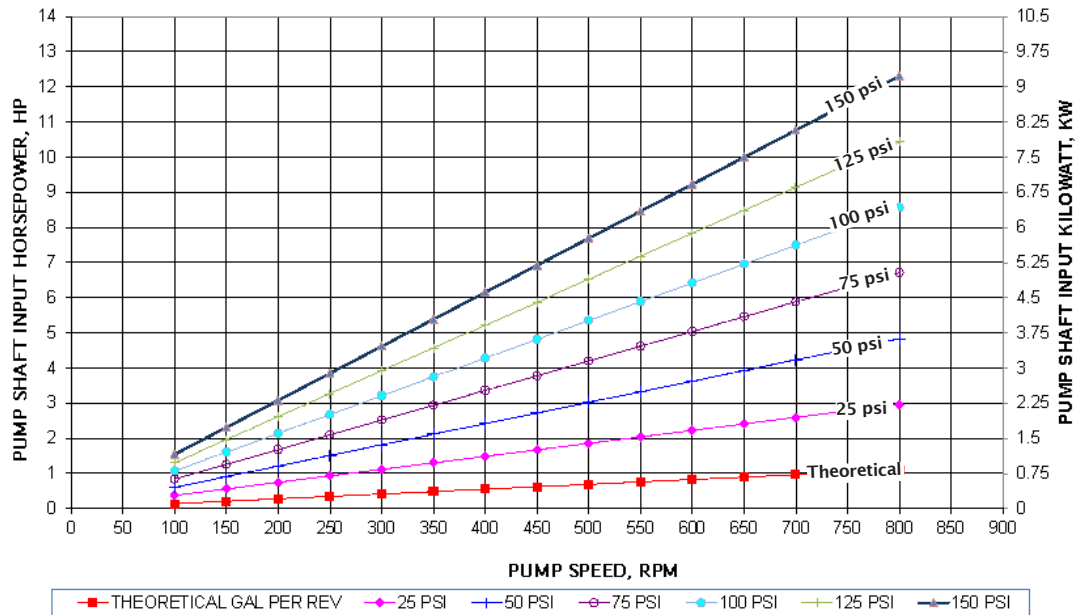
Performance Curve - NBR Lobes*

Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
Output will increase as viscosity of the fluid increases from 1.



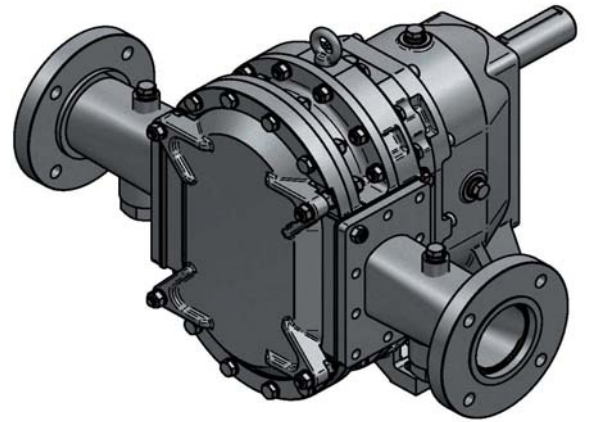
*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements





M34



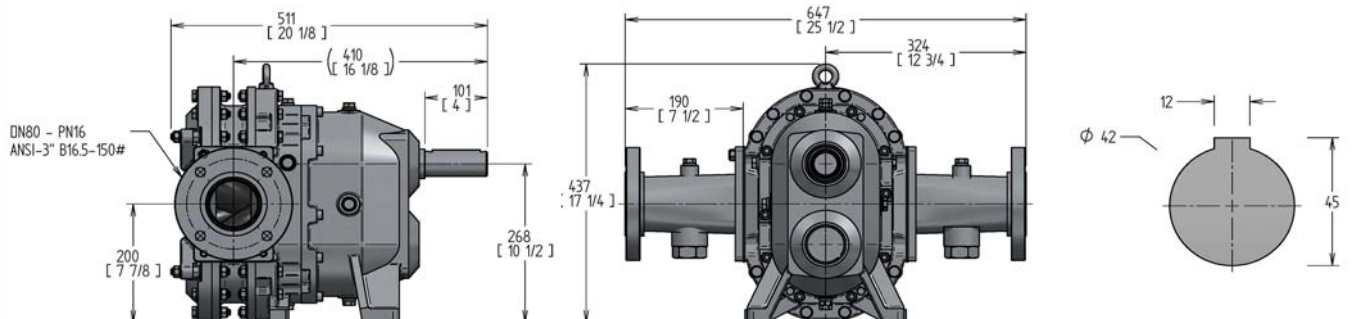
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-204 gpm	0-46 m ³ /h
Displacement (per 100 revolutions):	34 gal (US)	129 L
Maximum Continuous Pressure:	145 psi	10 bar
Starting Torque:	1,121 in lbf	82 N m
Rated Speed:	0-600 RPM	0-600 RPM
Shaft Diameter:	1.65"	42 mm
Flange Connection Class:	ANSI 16.5-150#	DN – PN 16
Flange Connection Size:	ANSI 3"	DN 80
Weight:	257 lbs	117 kg
Solids Handling:		
Spherical Compressible	1.5"	38 mm
Spherical Hard*	1/8"	3 mm

* Larger hard solids will pass through but may cause damage.

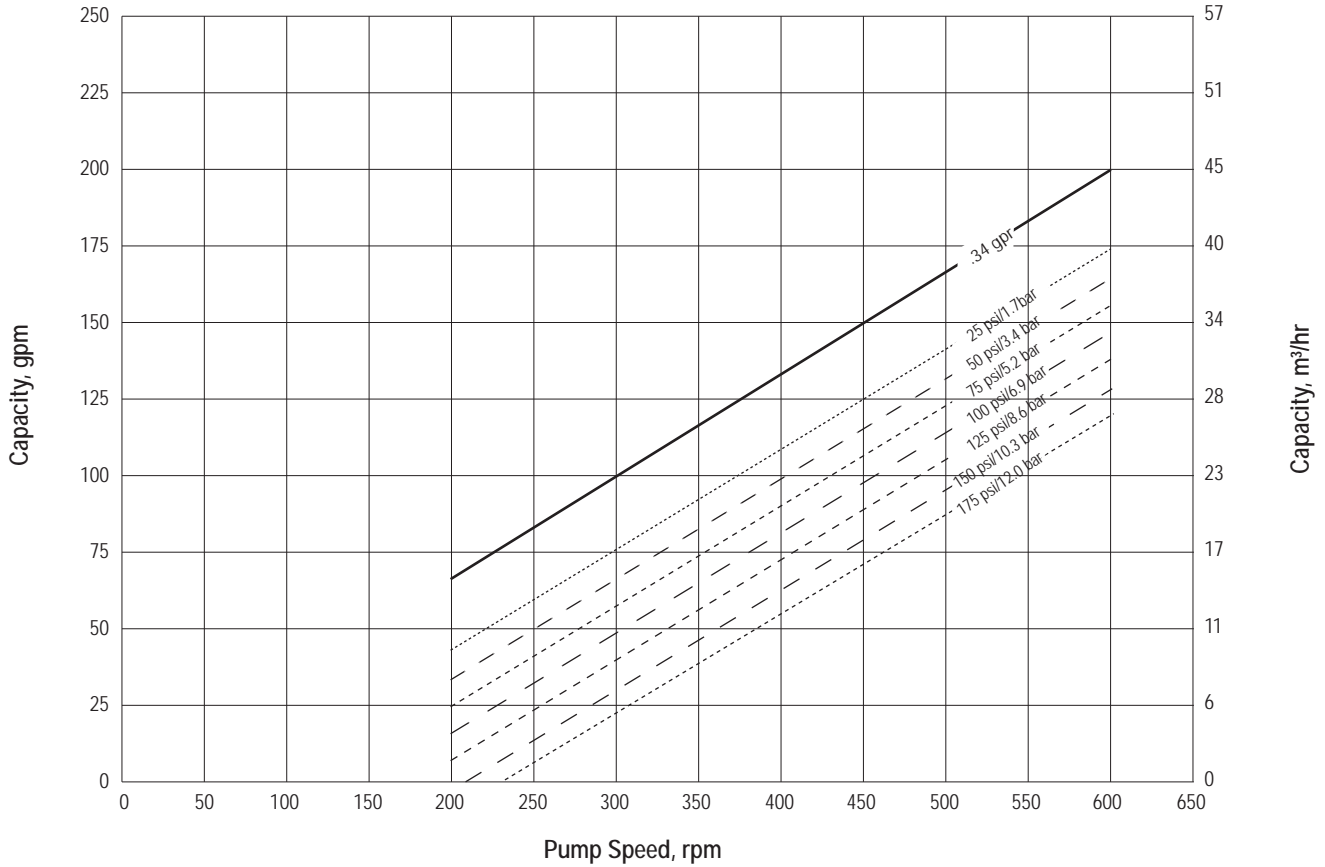
MODEL >	SM34	CM34	DM34
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix	Helix
Number of lobe wings	4	4	4
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
O-rings	FKM	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal	Duronit Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec.	Silicon Carbide Opt. Tungsten Carbide or Engineer Rec.	Tungsten Carbide Opt. Silicon Carbide or Engineer Rec.
Seal Holders	Carbon Steel with Corrosion resistant coating	Stainless Steel Type 316	Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Housing Segments	ASTM A48 Grey Iron rust primed	Duplex Stainless Steel	Duplex Stainless Steel
Flange Ring	ASTM A36 Carbon Steel	Stainless Steel Type 316L	Duplex Stainless Steel
Bolts	Carbon Steel ISO 898-I	Stainless Steel A2-A4	Duplex Stainless Steel
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L	Duplex Stainless Steel
LIMITED EXPOSURE PARTS			
Quench /Seal Cooling Chamber	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face
Pump Cover	ASTM A48 Grey Iron rust primed	CIT coated Grey Iron Opt. 316 Stainless Steel	CIT coated Grey Iron Opt. Duplex Stainless Steel
NON-WETTED PARTS			
Gears	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS			
Standard Painting	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver	SSPC/SP6 Sandblast Paint LobePro Silver

NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



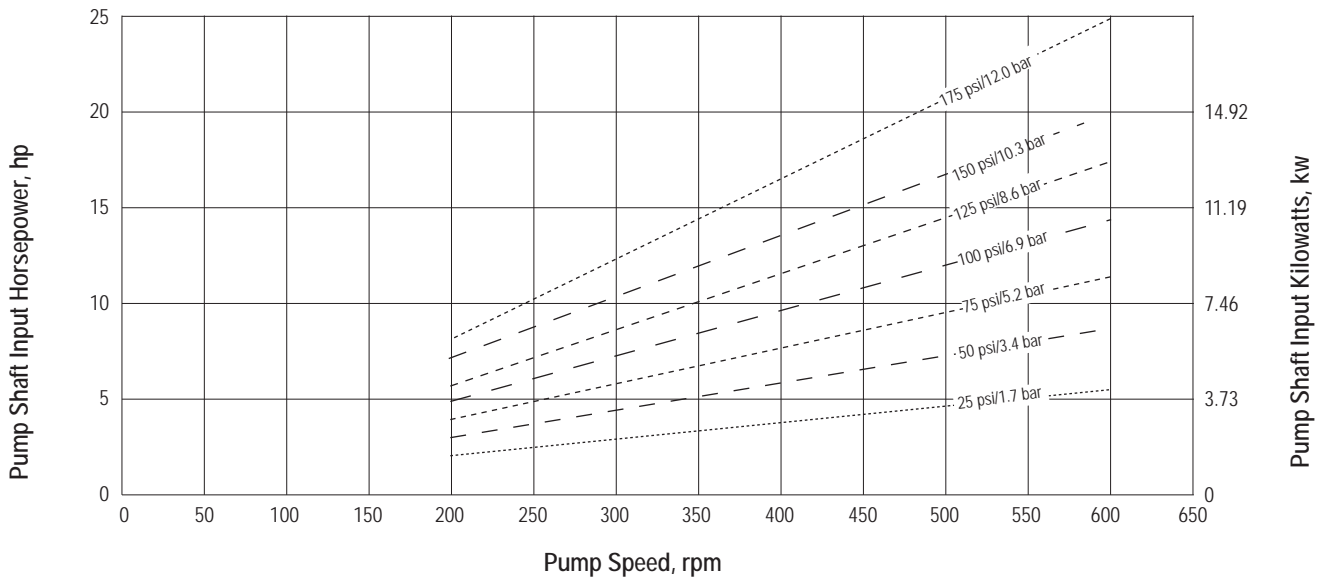
M34 CURVES

Performance Curve - NBR Lobes*
Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
Output will increase as viscosity of the fluid increases from 1.



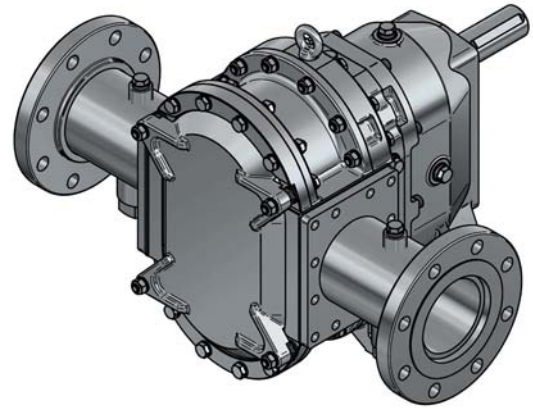
*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements





M50



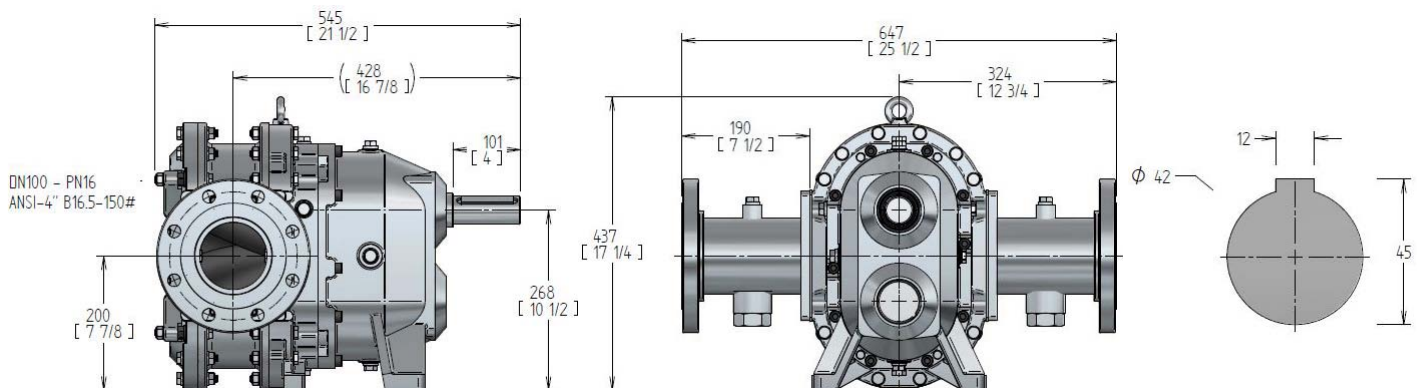
SPECIFICATIONS	US	Metric
Rated Capacity:	0-300 gpm	0-68 m ³ /h
Displacement (per 100 revolutions):	50 gal (US)	189 L
Maximum Continuous Pressure:	125 psi	8.6 bar
Starting Torque:	1,273 in lbf	144 N m
Rated Speed:	0-600 RPM	0-600 RPM
Shaft Diameter:	1.65"	42 mm
Flange Connection Class:	ANSI 16.5-150#	DN - PN 16
Flange Connection Size:	ANSI 4"	DN 100
Weight:	290 lbs	132 kg
Solids Handling:		
Spherical Compressible	1.5"	38 mm
Spherical Hard*	1/8"	3 mm

* Larger hard solids will pass through but may cause damage.

Positive Displacement Rotary Lobe Pumps

MODEL >	SM50	CM50	DM50
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix	Helix
Number of lobe wings	4	4	4
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
O-rings	FKM	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal	Duronit Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec.	Silicon Carbide Opt. Tungsten Carbide or Engineer Rec.	Tungsten Carbide Opt. Silicon Carbide or Engineer Rec.
Seal Holders	Carbon Steel with Corrosion resistant coating	Stainless Steel Type 316	Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Housing Segments	ASTM A48 Grey Iron rust primed	Duplex Stainless Steel	Duplex Stainless Steel
Flange Ring	ASTM A36 Carbon Steel	Stainless Steel Type 316L	Duplex Stainless Steel
Bolts	Carbon Steel ISO 898-I	Stainless Steel A2-A4	Duplex Stainless Steel
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L	Duplex Stainless Steel
LIMITED EXPOSURE PARTS			
Quench/Seal Cooling Chamber	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face
Pump Cover	ASTM A48 Grey Iron rust primed	CIT coated Grey Iron Opt. 316 Stainless Steel	CIT coated Grey Iron Opt. Duplex Stainless Steel
NON-WETTED PARTS			
Gears	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS			
Standard Painting	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver	SSPC/SP6 Sandblast Paint LobePro Silver

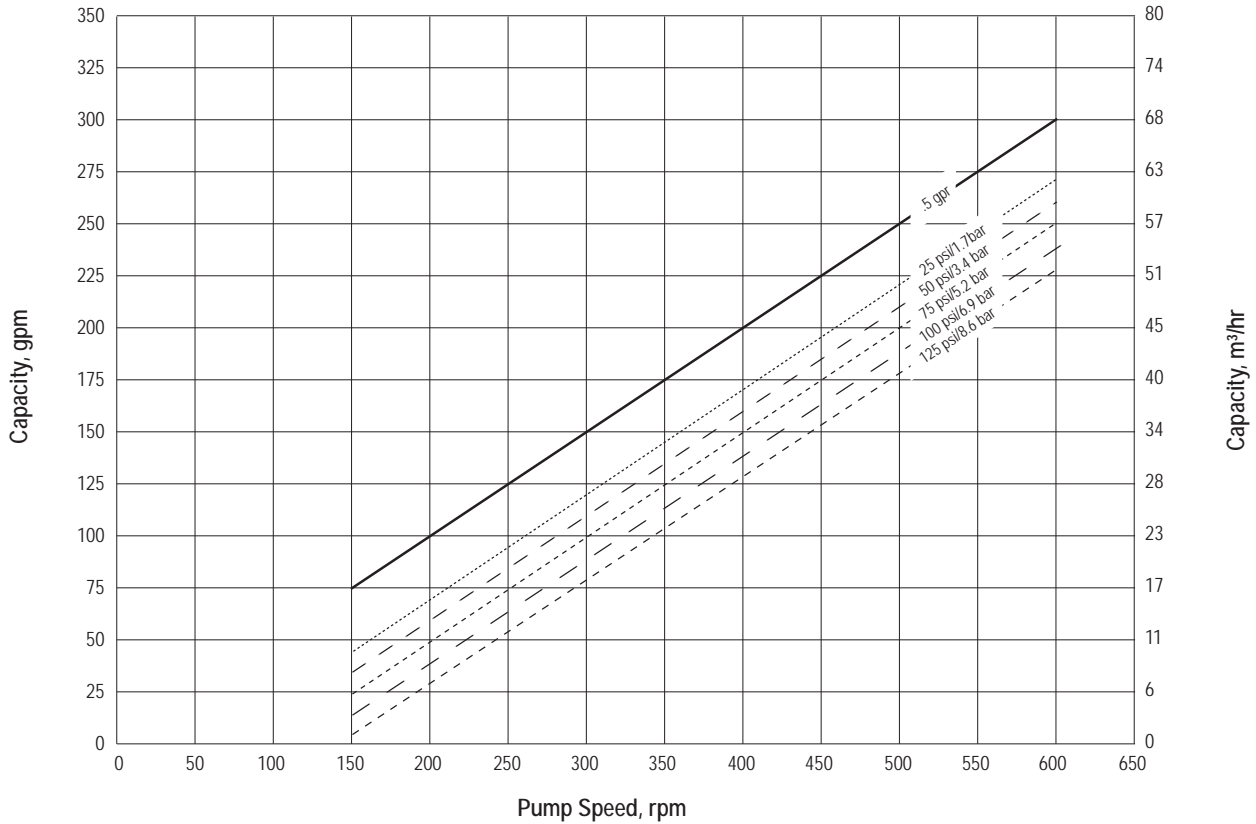
NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



M50 CURVES

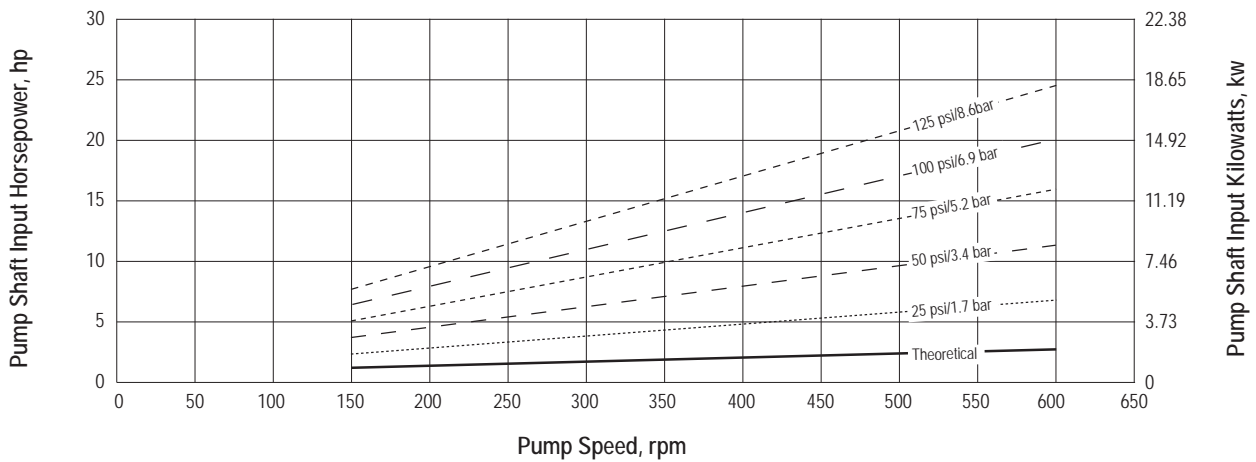
Performance Curve - NBR Lobes*

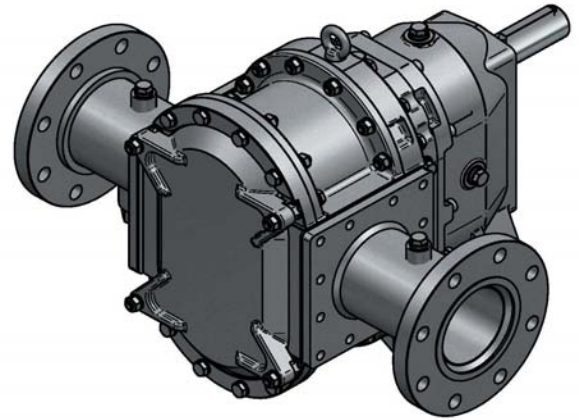
Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
Output will increase as viscosity of the fluid increases from 1.



*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements



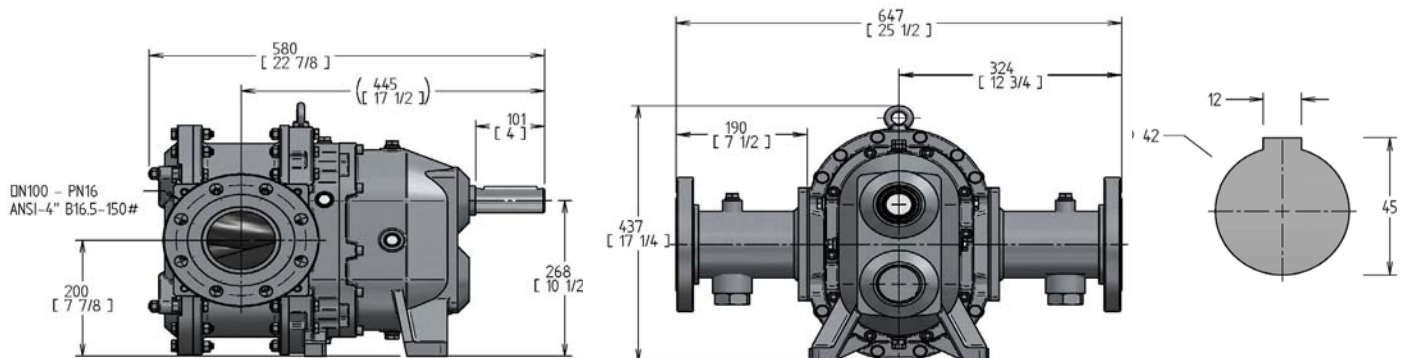
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-408 gpm	0-93 m ³ /h
Displacement (per 100 revolutions):	68 gal (US)	256 L
Maximum Continuous Pressure:	100 psi	6.9 bar
Starting Torque:	1,417 in lbf	160 N m
Rated Speed:	0-600 RPM	0-600 RPM
Shaft Diameter:	1.65"	42 mm
Flange Connection Class:	ANSI 16.5-150#	DN - PN 16
Flange Connection Size:	ANSI 4"	DN 100
Weight:	311 lbs	140 kg
Solids Handling:		
Spherical Compressible	1.5"	38 mm
Spherical Hard*	1/8"	3 mm

* Larger hard solids will pass through but may cause damage.

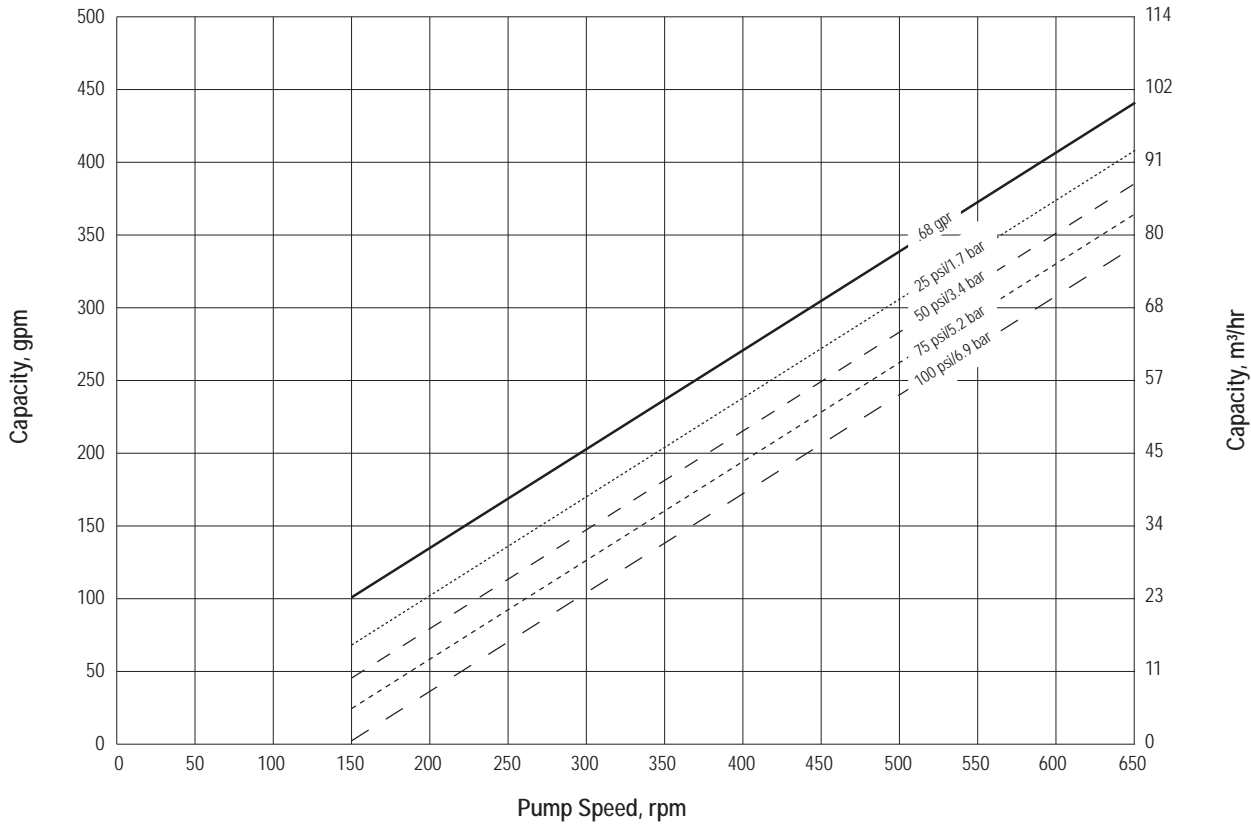
MODEL >	SM68	CM68	DM68
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix	Helix
Number of lobe wings	4	4	4
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
O-rings	FKM	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal	Duronit Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec.	Silicon Carbide Opt. Tungsten Carbide or Engineer Rec.	Tungsten Carbide Opt. Silicon Carbide or Engineer Rec.
Seal Holders	Carbon Steel with Corrosion resistant coating	Stainless Steel Type 316	Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Housing Segments	ASTM A48 Grey Iron rust primed	Duplex Stainless Steel	Duplex Stainless Steel
Flange Ring	ASTM A36 Carbon Steel	Stainless Steel Type 316L	Duplex Stainless Steel
Bolts	Carbon Steel ISO 898-I	Stainless Steel A2-A4	Duplex Stainless Steel
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L	Duplex Stainless Steel
LIMITED EXPOSURE PARTS			
Quench /Seal Cooling Chamber	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face
Pump Cover	ASTM A48 Grey Iron rust primed	CIT coated Grey Iron Opt. 316 Stainless Steel	CIT coated Grey Iron Opt. Duplex Stainless Steel
NON-WETTED PARTS			
Gears	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS			
Standard Painting	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver	SSPC/SP6 Sandblast Paint LobePro Silver

NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



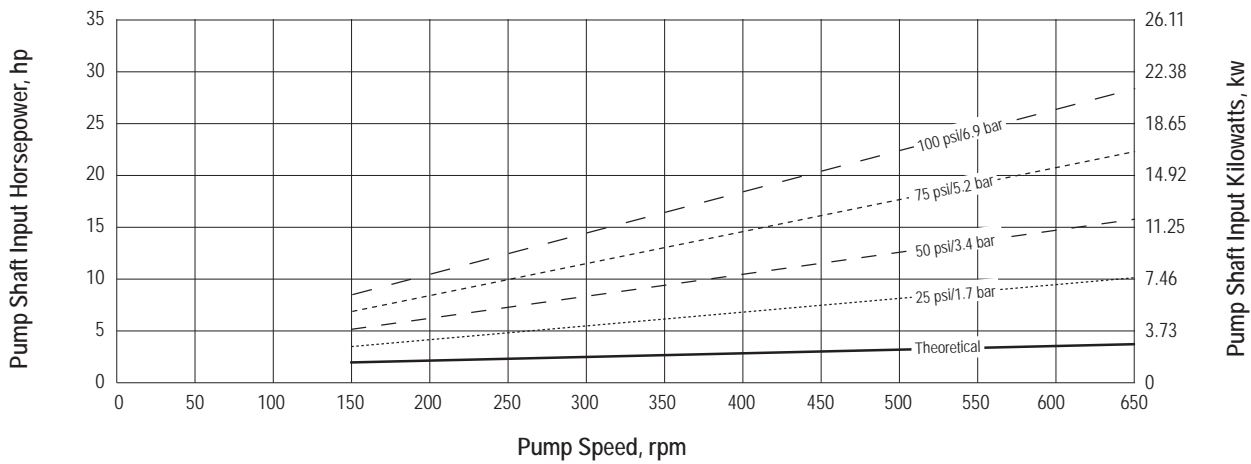
M68 CURVES

Performance Curve - NBR Lobes*
Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
Output will increase as viscosity of the fluid increases from 1.



*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements

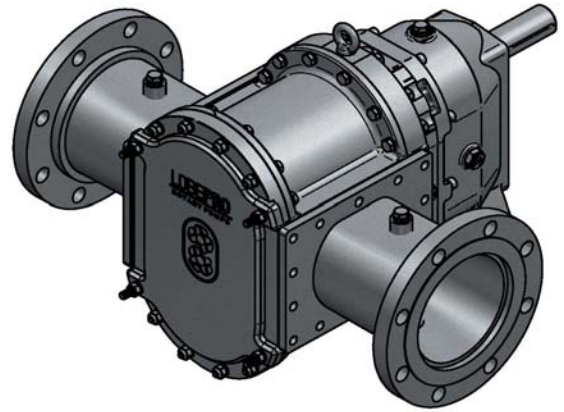




LOBEPRO

ROTARY PUMPS

M100



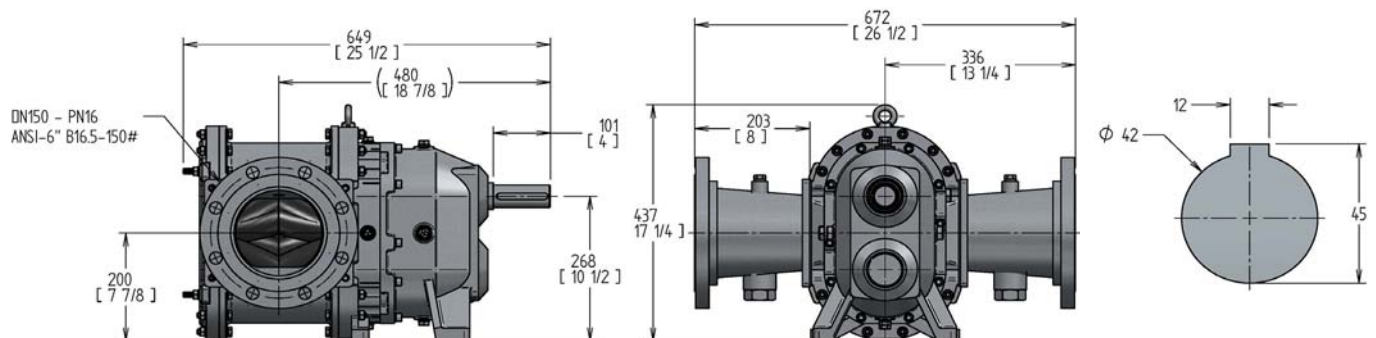
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-600gpm	0-136 m ³ /h
Displacement (per 100 revolutions):	100 gal (US)	377 L
Maximum Continuous Pressure:	50 psi	3.4 bar
Starting Torque:	1,685 in lbf	190 N m
Rated Speed:	0-600 RPM	0-600 RPM
Shaft Diameter:	1.65"	42 mm
Flange Connection Class:	ANSI 16.5-150#	DN - PN 16
Flange Connection Size:	ANSI 6"	DN 150
Weight:	390 lbs	175 kg
Solids Handling:		
Spherical Compressible	1.5"	38 mm
Spherical Hard*	1/8"	3 mm

* Larger hard solids will pass through but may cause damage.

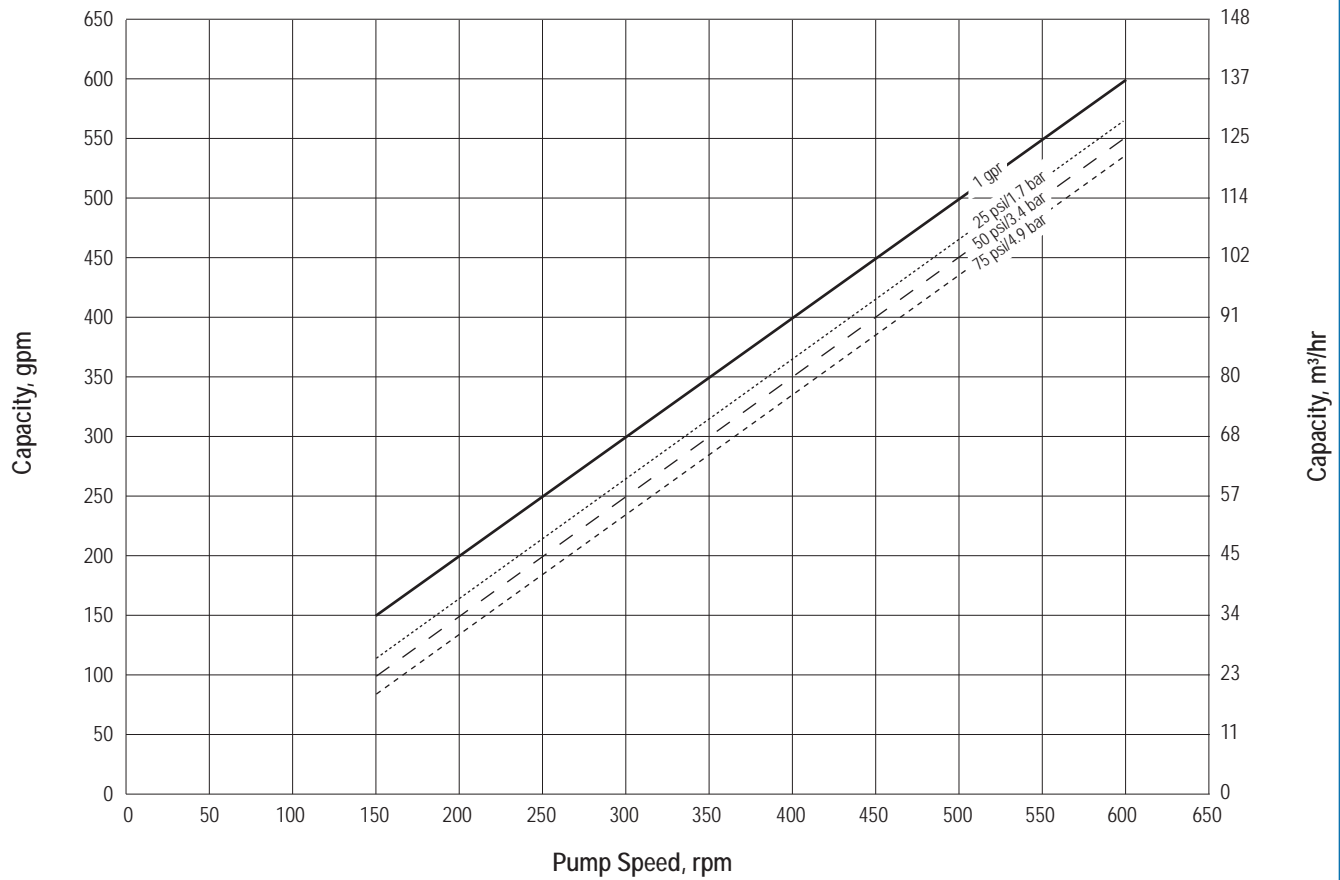
MODEL >	SM100	CM100	DM100
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix	Helix
Number of lobe wings	4	4	4
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
O-rings	FKM	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal	Duronit	Silicon Carbide	Tungsten Carbide
Seal Holders	Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec. Carbon Steel with Corrosion resistant coating	Opt. Tungsten Carbide or Engineer Rec. Stainless Steel Type 316	Opt. Silicon Carbide or Engineer Rec. Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Housing Segments	ASTM A48 Grey Iron rust primed	Duplex Stainless Steel	Duplex Stainless Steel
Flange Ring	ASTM A36 Carbon Steel	Stainless Steel Type 316L	Duplex Stainless Steel
Bolts	Carbon Steel ISO 898-I	Stainless Steel A2-A4	Duplex Stainless Steel
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L	Duplex Stainless Steel
LIMITED EXPOSURE PARTS			
Quench /Seal Cooling Chamber	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face
Pump Cover	ASTM A48 Grey Iron rust primed	CIT coated Grey Iron Opt. 316 Stainless Steel	CIT coated Grey Iron Opt. Duplex Stainless Steel
NON-WETTED PARTS			
Gears	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS			
Standard Painting	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver	SSPC/SP6 Sandblast Paint LobePro Silver

NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



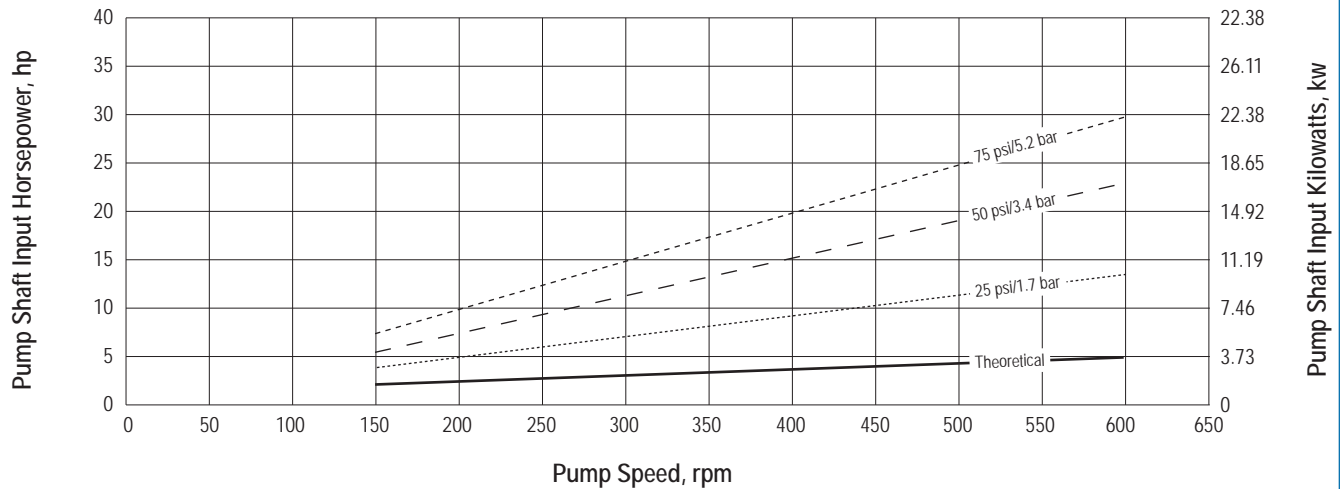
M100 CURVES

Performance Curve - NBR Lobes*
Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
Output will increase as viscosity of the fluid increases from 1.



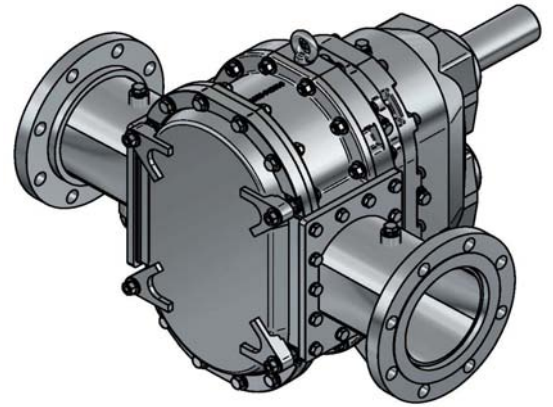
*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements





L133



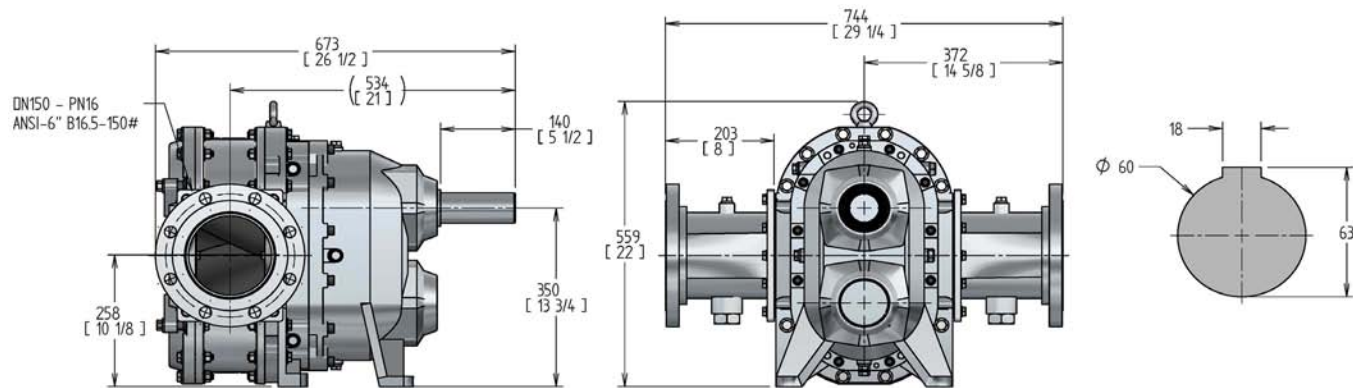
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-665 gpm	0-151 m ³ /h
Displacement (per 100 revolutions):	133 gal (US)	501 L
Maximum Continuous Pressure:	125 psi	8.6 bar
Starting Torque:	2,860 in lbf	323 N m
Rated Speed:	0-500 RPM	0-500 RPM
Shaft Diameter:	2.4"	60 mm
Flange Connection Class:	ANSI 16.5-150#	DN - PN 16
Flange Connection Size:	ANSI 6"	DN 150
Weight:	615 lbs	277 kg
Solids Handling		
Spherical Compressible	3"	76 mm
Spherical Hard*	1/8"	3 mm

* Larger hard solids will pass through but may cause damage.

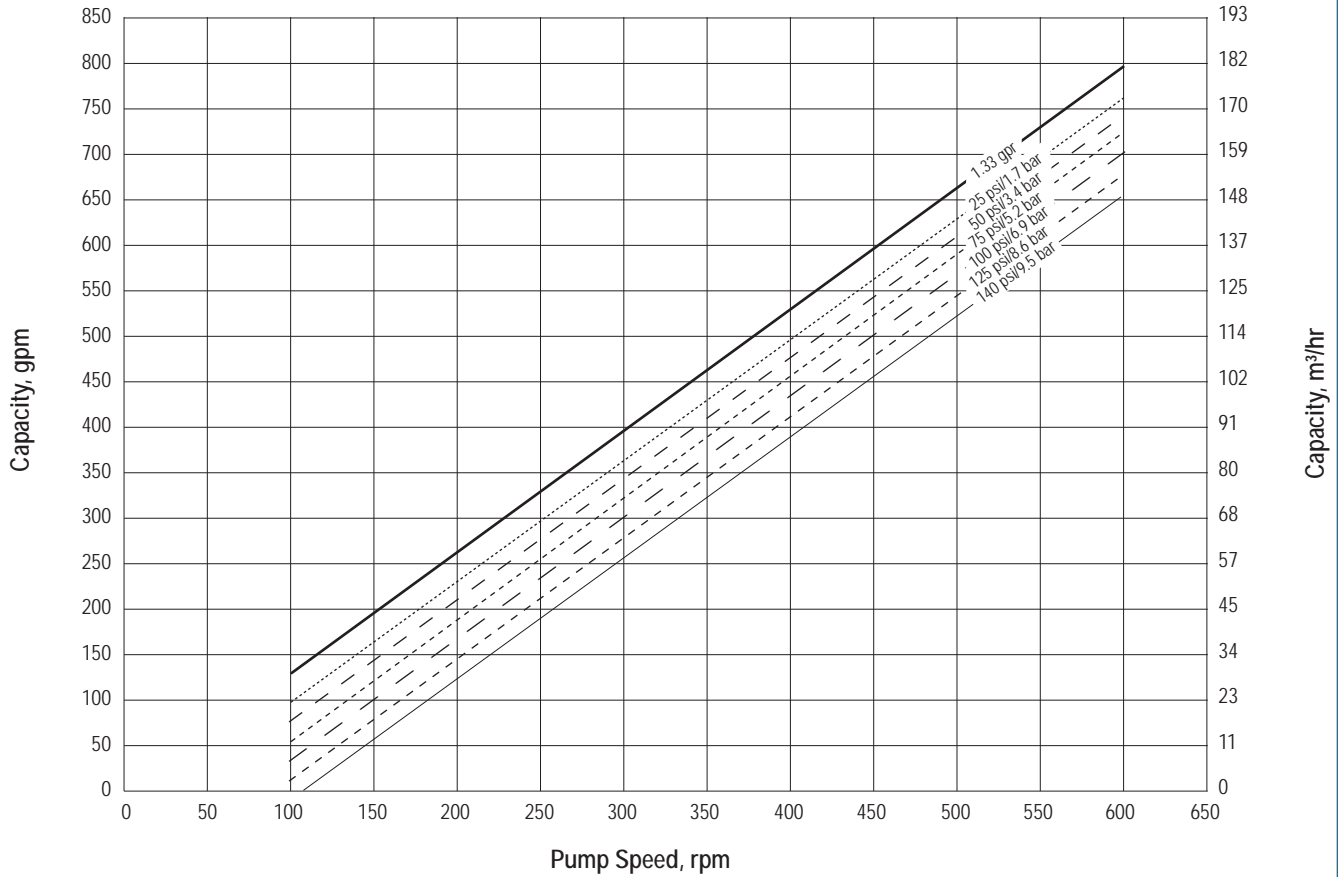
MODEL >	SL133	CL133	DL133
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix	Helix
Number of lobe wings	4	4	4
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
O-rings	FKM	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal	Duronit	Silicon Carbide	Tungsten Carbide
Seal Holders	Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec. Carbon Steel with Corrosion resistant coating	Opt. Tungsten Carbide or Engineer Rec. Stainless Steel Type 316	Opt. Silicon Carbide or Engineer Rec. Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Housing Segments	ASTM A48 Grey Iron rust primed	Duplex Stainless Steel	Duplex Stainless Steel or Engineer Rec.
Flange Ring	ASTM A36 Carbon Steel	Stainless Steel Type 316L	Duplex Stainless Steel
Bolts	Carbon Steel ISO 898-1	Stainless Steel A2-A4	Duplex Stainless Steel
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L	Duplex Stainless Steel
LIMITED EXPOSURE PARTS			
Quench /Seal Cooling Chamber	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face
Pump Cover	ASTM A48 Grey Iron rust primed	CIT coated Grey Iron Opt. DS Stainless Steel	CIT coated Grey Iron Opt. Duplex Stainless Steel
NON-WETTED PARTS			
Gears	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS			
Standard Painting	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver	SSPC/SP6 Sandblast Paint LobePro Silver

NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



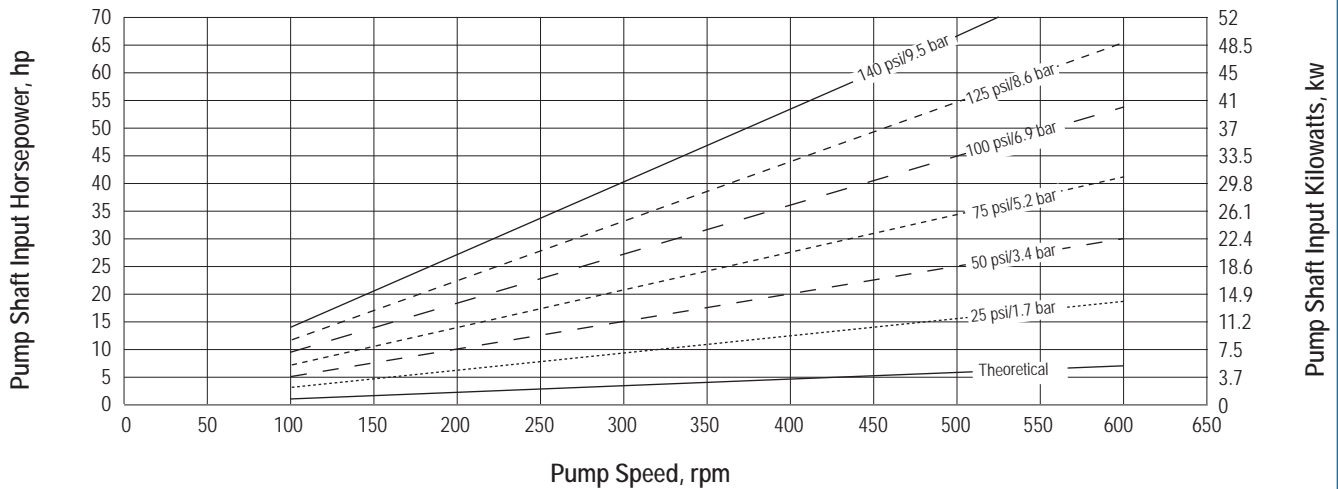
L133 CURVES

Performance Curve - NBR Lobes*
Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
Output will increase as viscosity of the fluid increases from 1.



*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements

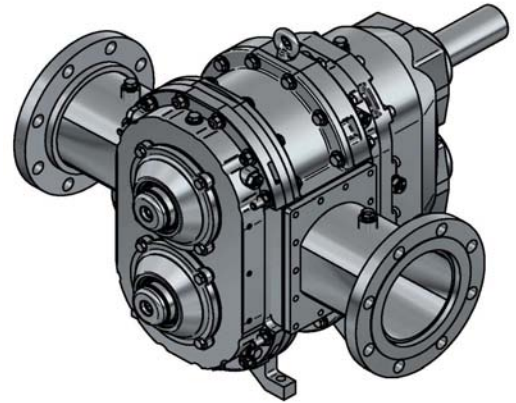




LOBEPRO

ROTARY PUMPS

L133h



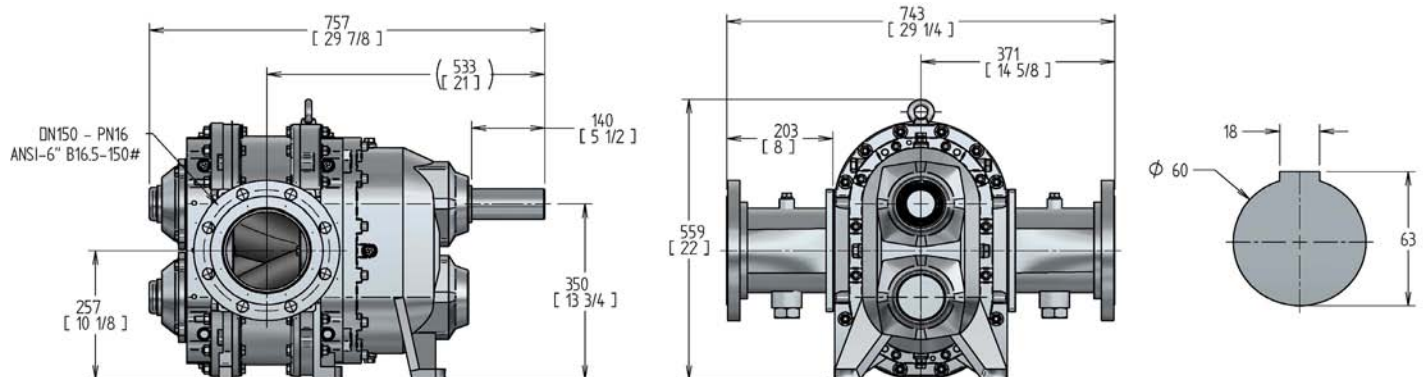
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-665 gpm	0-151 m ³ /h
Displacement (per 100 revolutions):	133 gal (US)	501 L
Maximum Continuous Pressure:	175 psi	12.1 bar
Starting Torque:	3,857 in lbf	436 N m
Rated Speed:	0-500 RPM	0-500 RPM
Shaft Diameter:	2.4"	60 mm
Flange Connection Class:	ANSI 16.5-150#	DN - PN 16
Flange Connection Size:	ANSI 6"	DN 150
Weight:	744 lbs	335 kg
Solids Handling		
Spherical Compressible	3"	76 mm
Spherical Hard	1/8"	3 mm

* Larger hard solids will pass through but may cause damage.

MODEL >	SL133h	CL133h	DL133h
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix	Helix
Number of lobe wings	4	4	4
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
O-rings	FKM	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal	Duronit	Silicon Carbide	Tungsten Carbide
Seal Holders	Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec. Carbon Steel with Corrosion resistant coating	Opt. Tungsten Carbide or Engineer Rec. Stainless Steel Type 316	Opt. Silicon Carbide or Engineer Rec. Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Housing Segments	ASTM A48 Grey Iron rust primed	Duplex Stainless Steel	Duplex Stainless Steel
Flange Ring	ASTM A36 Carbon Steel	Stainless Steel Type 316L	Duplex Stainless Steel
Bolts	Carbon Steel ISO 898-I	Stainless Steel A2-A4	Duplex Stainless Steel
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L	Duplex Stainless Steel
LIMITED EXPOSURE PARTS			
Quench/Seal Cooling Chamber	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face
Pump Cover - Door/Lh Assembly	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron rust primed with PTFE / Ceramic Teflon etched on face
NON-WETTED PARTS			
Gears	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS			
Standard Painting	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver	SSPC/SP6 Sandblast Paint LobePro Silver

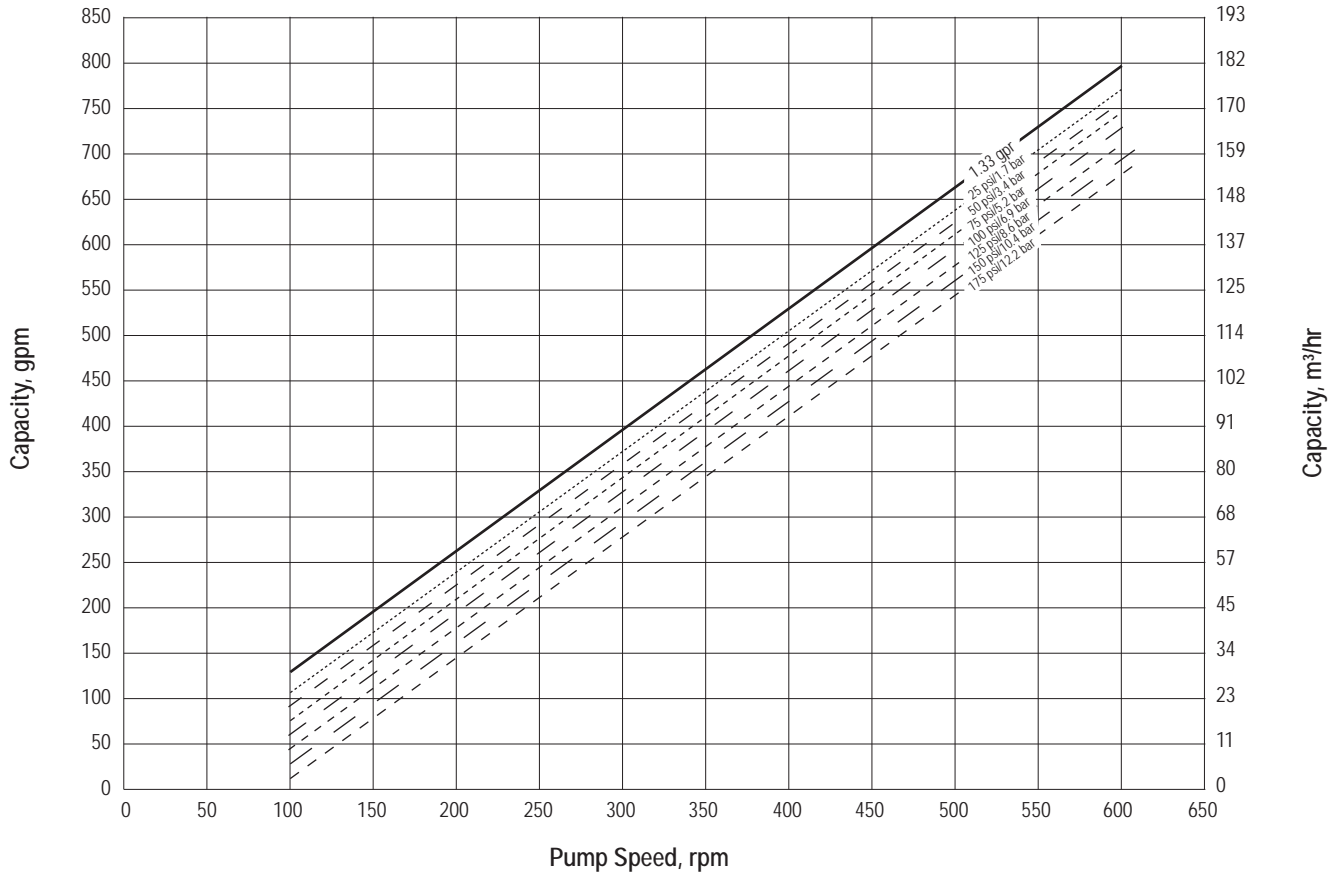
NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



L133h CURVES

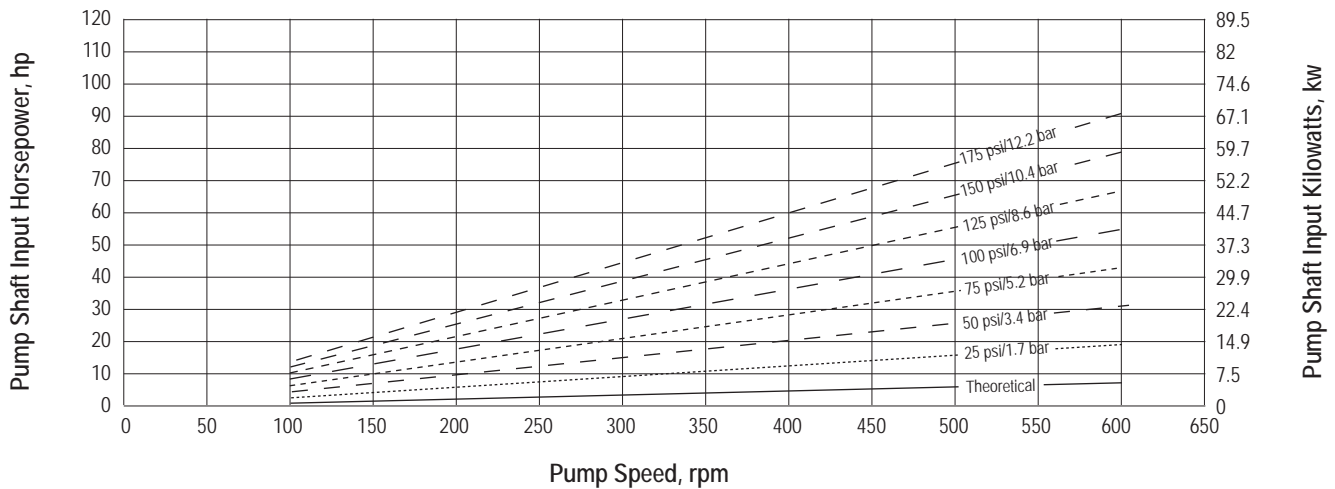
Performance Curve - NBR Lobes*

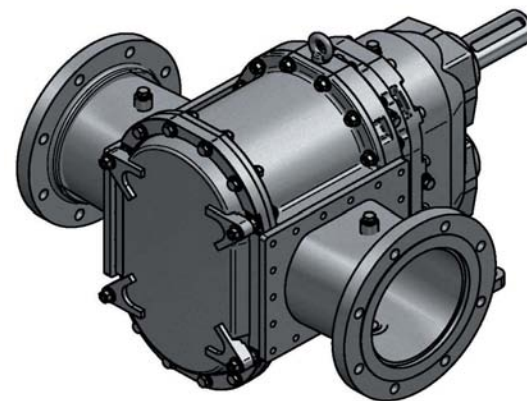
Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
Output will increase as viscosity of the fluid increases from 1.



*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements



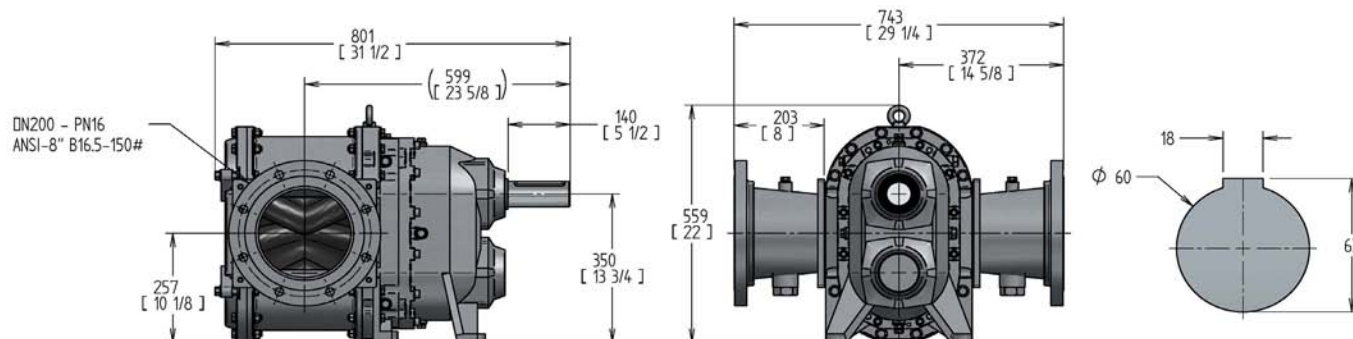
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-1,330 gpm	0-302 m ³ /h
Displacement (per 100 revolutions):	266 gal (US)	1,003 L
Maximum Continuous Pressure:	75 psi	5.2 bar
Starting Torque:	3,857 in lbf	436 N m
Rated Speed:	0-500 RPM	0-500 RPM
Shaft Diameter:	2.4"	60 mm
Flange Connection Class:	ANSI 16.5-150#	DN – PN 16
Flange Connection Size:	ANSI 8"	DN 200
Weight:	769 lbs	346 kg
Solids Handling		
Spherical Compressible	3"	76 mm
Spherical Hard*	1/8"	3 mm

* Larger hard solids will pass through but may cause damage.

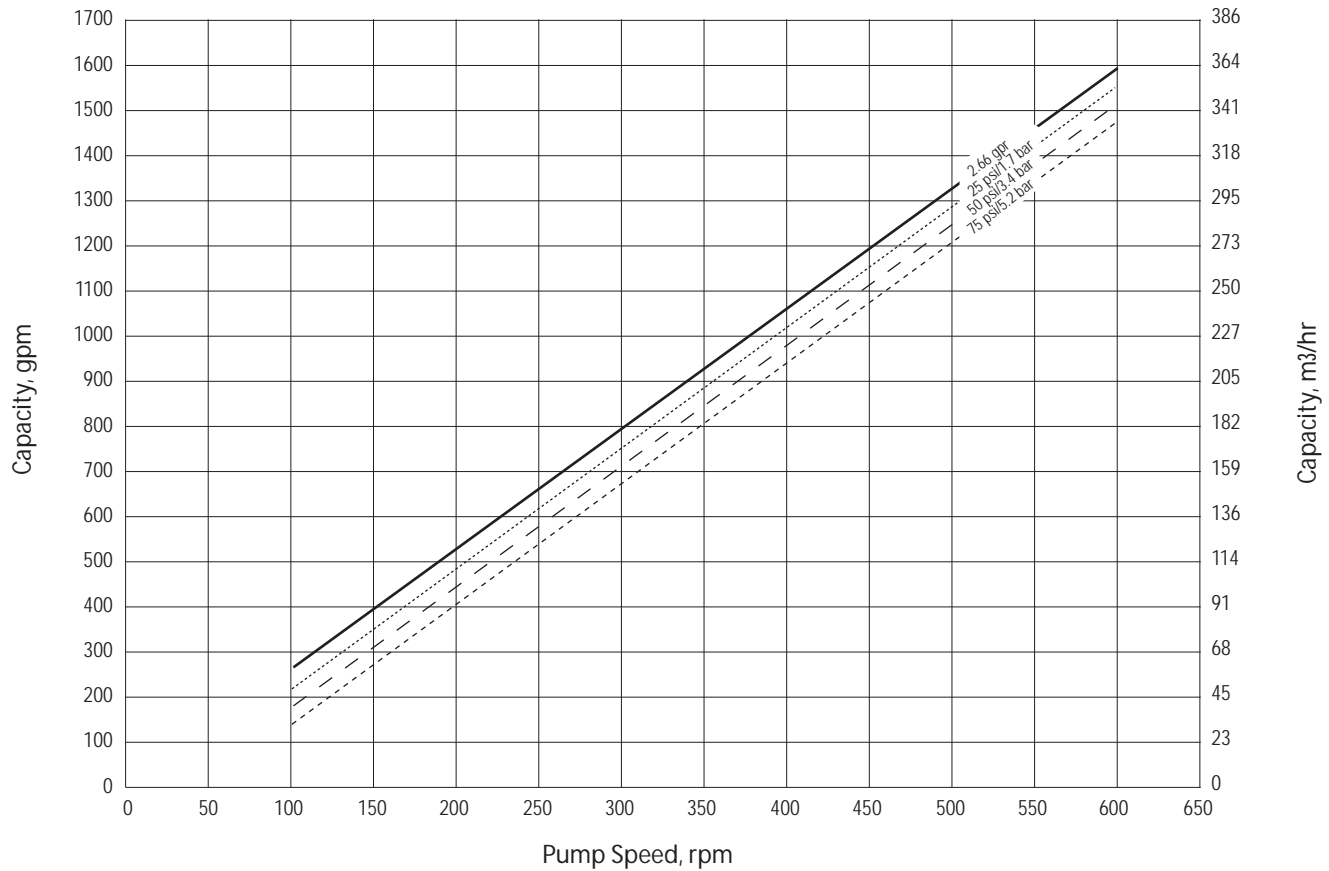
MODEL >	SL266	CL266	DL266
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix	Helix
Number of lobe wings	4	4	4
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
O-rings	FKM	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal	Duronit Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec.	Silicon Carbide Opt. Tungsten Carbide or Engineer Rec.	Tungsten Carbide Opt. Silicon Carbide or Engineer Rec.
Seal Holders	Carbon Steel with Corrosion resistant coating	Stainless Steel Type 316	Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Housing Segments	ASTM A48 Grey Iron rust primed	Duplex Stainless Steel	Duplex Stainless Steel or Engineer Rec.
Flange Ring	ASTM A36 Carbon Steel	Stainless Steel Type 316L	Duplex Stainless Steel
Bolts	Carbon Steel ISO 898-I	Stainless Steel A2-A4	Duplex Stainless Steel
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L	Duplex Stainless Steel
LIMITED EXPOSURE PARTS			
Quench /Seal Cooling Chamber	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face
Pump Cover	ASTM A48 Grey Iron rust primed	CIT coated Grey Iron Opt. DS Stainless Steel	CIT coated Grey Iron Opt. Duplex Stainless Steel
NON-WETTED PARTS			
Gears	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS			
Standard Painting	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver	SSPC/SP6 Sandblast Paint LobePro Silver

NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



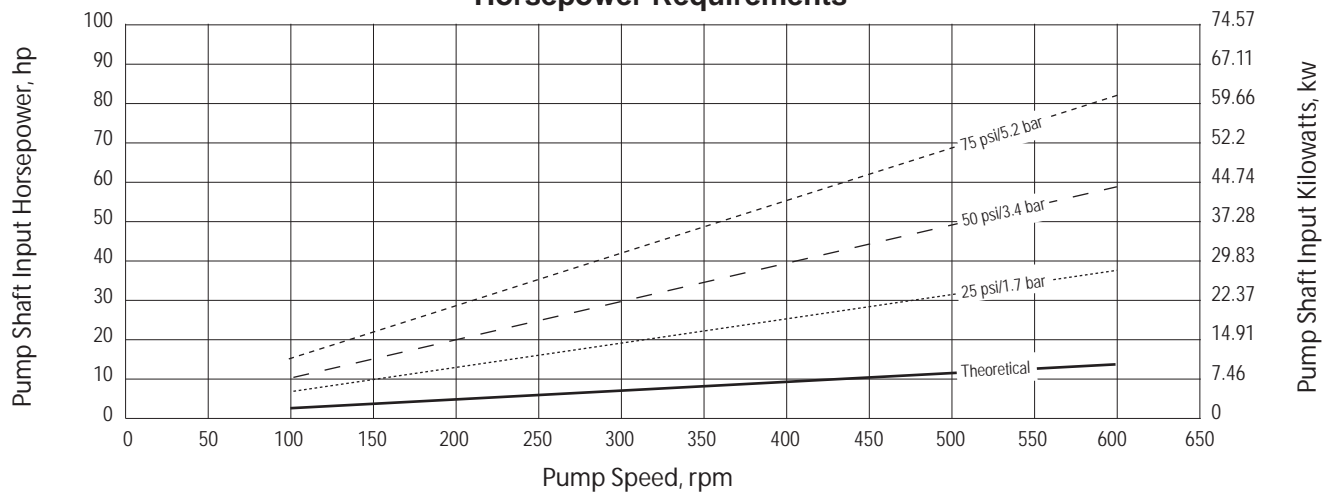
L266 CURVES

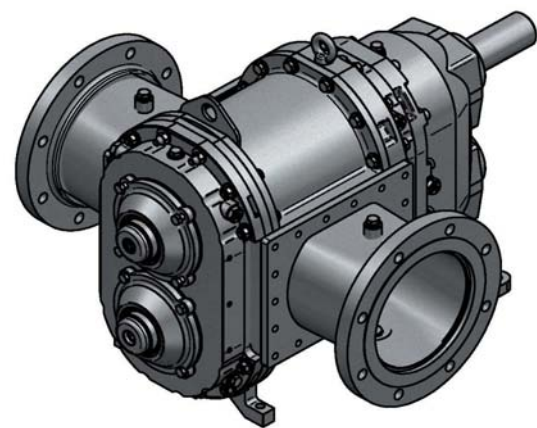
Performance Curve - NBR Lobes*
 Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
 Output will increase as viscosity of the fluid increases from 1.



*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements



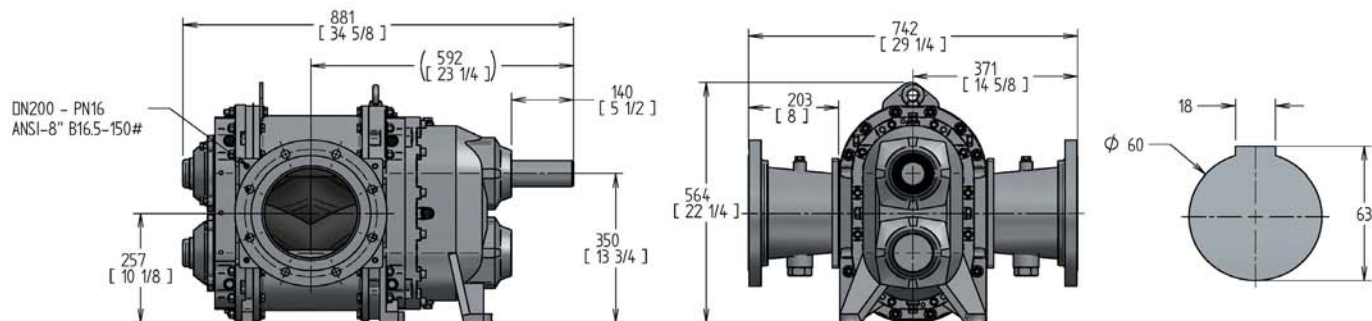
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-1,330 gpm	0-302 m ³ /h
Displacement (per 100 revolutions):	266 gal (US)	1,003 L
Maximum Continuous Pressure:	150 psi	10.3 bar
Starting Torque:	3,857 in lbf	436 N m
Rated Speed:	0-500 RPM	0-500 RPM
Shaft Diameter:	2.4"	60 mm
Flange Connection Class:	ANSI 16.5-150#	DN - PN 10
Flange Connection Size:	ANSI 8"	DN 200
Weight:	862 lbs	388 kg
Solids Handling		
Spherical Compressible	3"	76 mm
Spherical Hard*	1/8"	3 mm

* Larger hard solids will pass through but may cause damage.

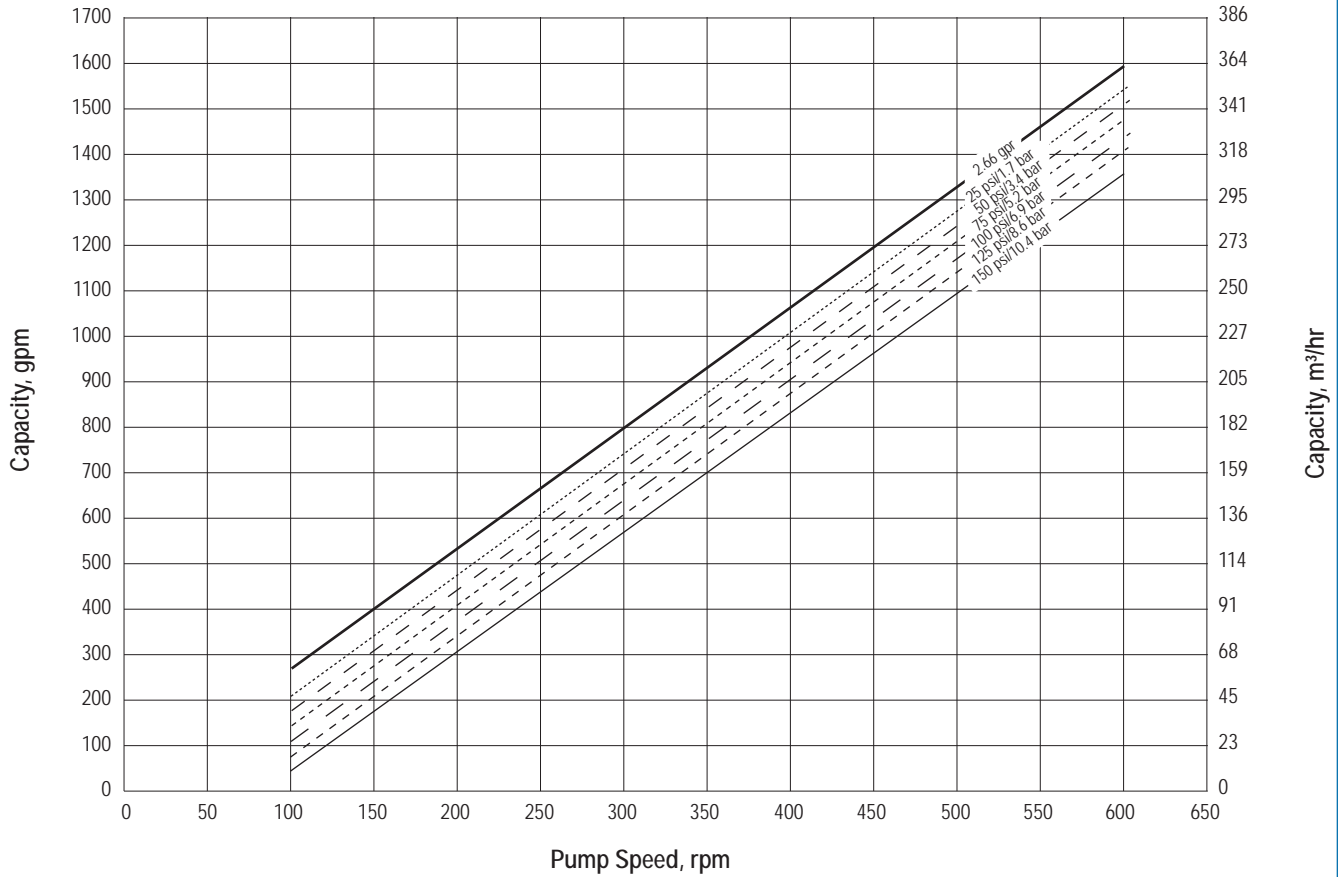
MODEL >	SL266h	CL266h	DL266h
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix	Helix
Number of lobe wings	4	4	4
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
O-rings	FKM	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal	Duronit Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec.	Silicon Carbide Opt. Tungsten Carbide or Engineer Rec.	Tungsten Carbide Opt. Silicon Carbide or Engineer Rec.
Seal Holders	Carbon Steel with Corrosion resistant coating	Stainless Steel Type 316	Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Housing Segments	ASTM A48 Grey Iron rust primed	Duplex Stainless Steel	Duplex Stainless Steel
Flange Ring	ASTM A36 Carbon Steel	Stainless Steel Type 316L	Duplex Stainless Steel
Bolts	Carbon Steel ISO 898-I	Stainless Steel A2-A4	Duplex Stainless Steel
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L	Duplex Stainless Steel
LIMITED EXPOSURE PARTS			
Quench /Seal Cooling Chamber	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face
Pump Cover - Door/Lh Assembly	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron rust primed with PTFE / Ceramic Teflon etched on face
NON-WETTED PARTS			
Gears	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS			
Standard Painting	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver	SSPC/SP6 Sandblast Paint LobePro Silver

NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



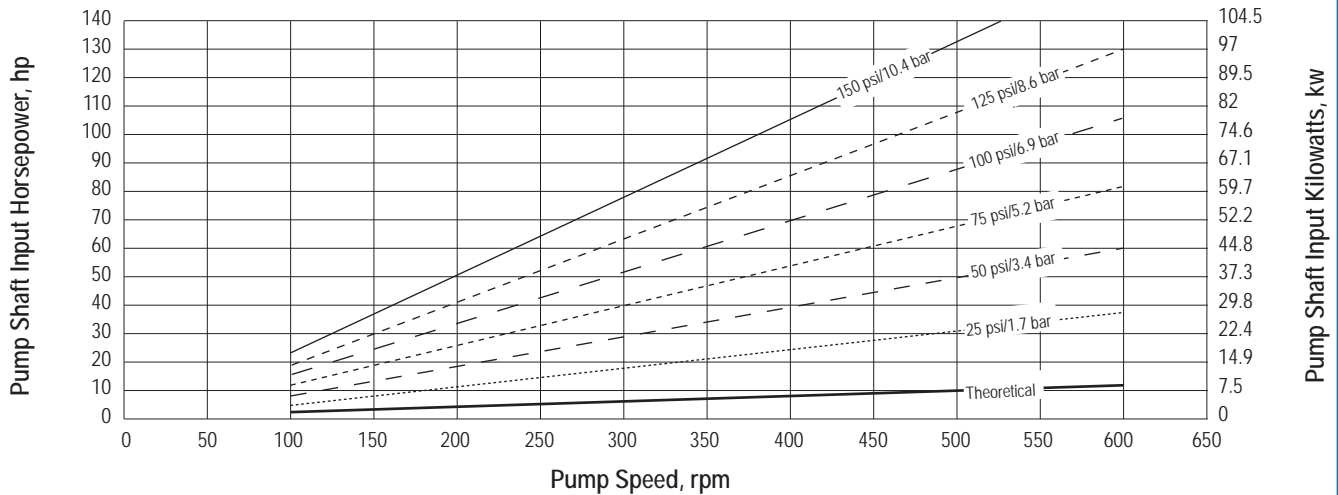
L266h CURVES

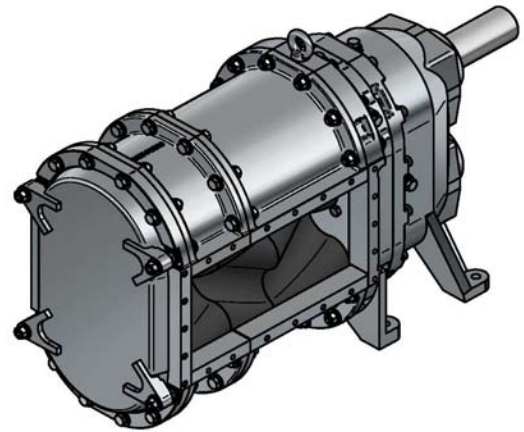
Performance Curve - NBR Lobes*
 Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
 Output will increase as viscosity of the fluid increases from 1.



*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements



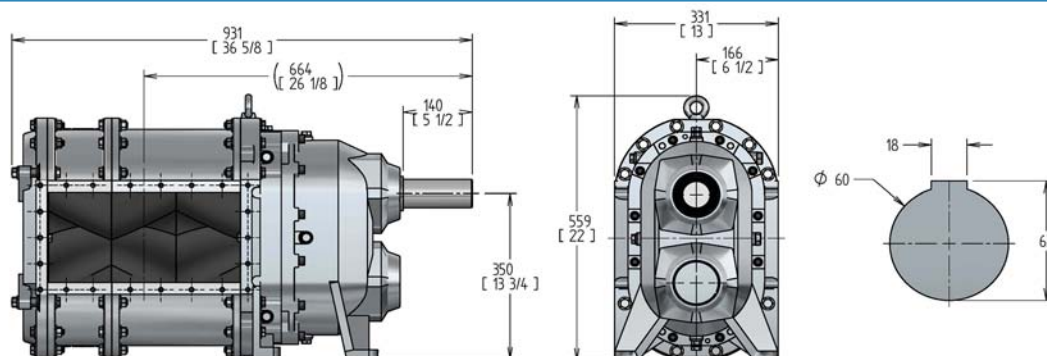
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-1,995 gpm	0-453 m ³ /h
Displacement (per 100 revolutions):	399 gal (US)	1,504 L
Maximum Continuous Pressure:	40 psi	2.8 bar
Starting Torque:	3,857 in lbf	436 N m
Rated Speed:	0-500 RPM	0-500 RPM
Shaft Diameter:	2.4"	60 mm
Flange Connection Class:	ANSI 16.5-150#	DN - PN 16
Flange Connection Size:	ANSI 10"	DN 200
Weight:	797 lbs	359 kg
Solids Handling		
Spherical Compressible	3"	76 mm
Spherical Hard*	1/8"	3 mm

* Larger hard solids will pass through but may cause damage.

MODEL >	SL399	CL399	DL399
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix	Helix
Number of lobe wings	4	4	4
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
O-rings	FKM	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal	Duronit Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec.	Silicon Carbide Opt. Tungsten Carbide or Engineer Rec.	Tungsten Carbide Opt. Silicon Carbide or Engineer Rec.
Seal Holders	Carbon Steel with Corrosion resistant coating	Stainless Steel Type 316	Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Housing Segments	ASTM A48 Grey Iron rust primed	Duplex Stainless Steel	Duplex Stainless Steel or Engineer Rec.
Flange Ring	ASTM A36 Carbon Steel	Stainless Steel Type 316L	Duplex Stainless Steel
Bolts	Carbon Steel ISO 898-I	Stainless Steel A2-A4	Duplex Stainless Steel
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L	Duplex Stainless Steel
LIMITED EXPOSURE PARTS			
Quench /Seal Cooling Chamber	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face
Pump Cover	ASTM A48 Grey Iron rust primed	CIT coated Grey Iron Opt. DS Stainless Steel	CIT coated Grey Iron Opt. Duplex Stainless Steel
NON-WETTED PARTS			
Gears	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS			
Standard Painting	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver	SSPC/SP6 Sandblast Paint LobePro Silver

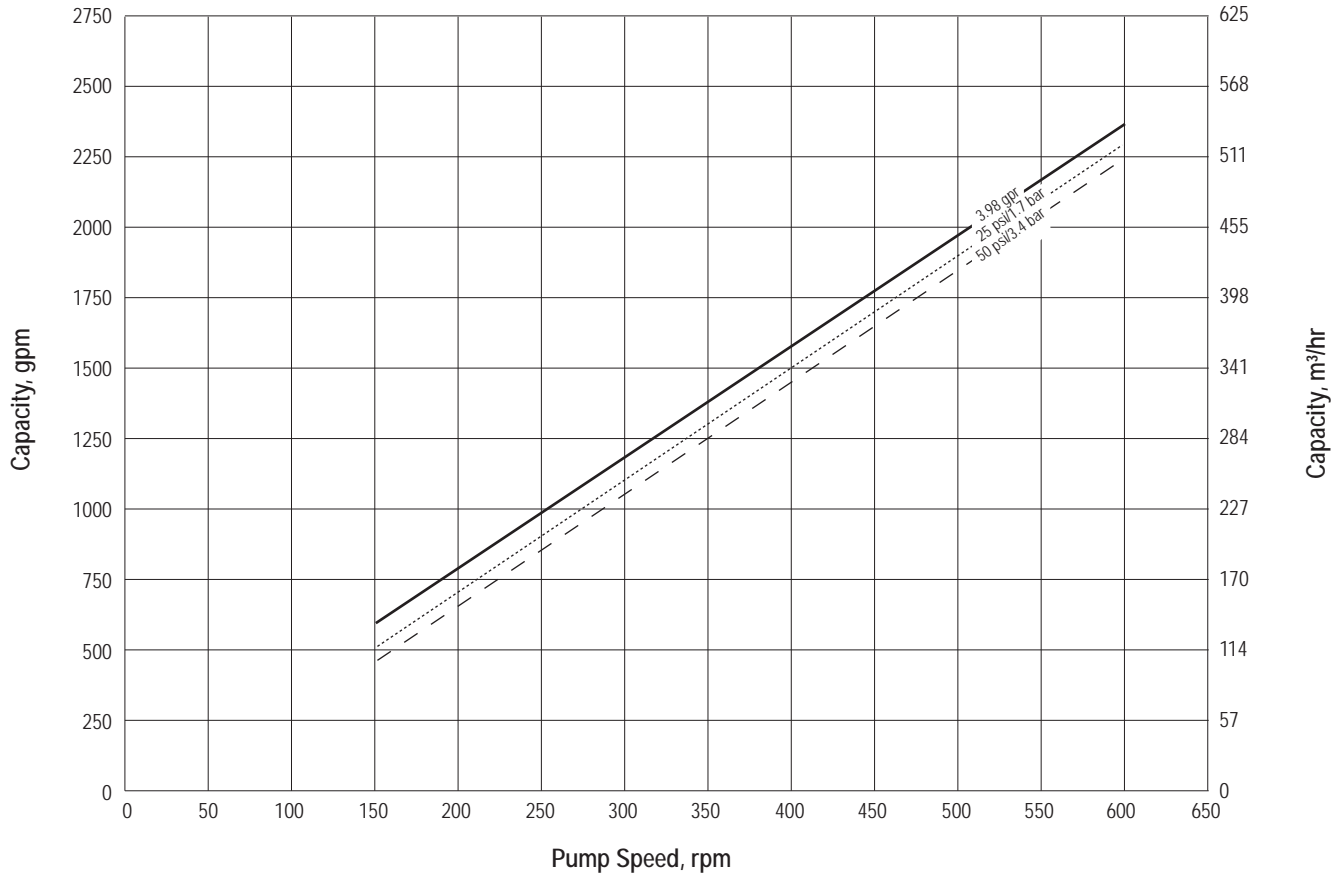
NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



L399 CURVES

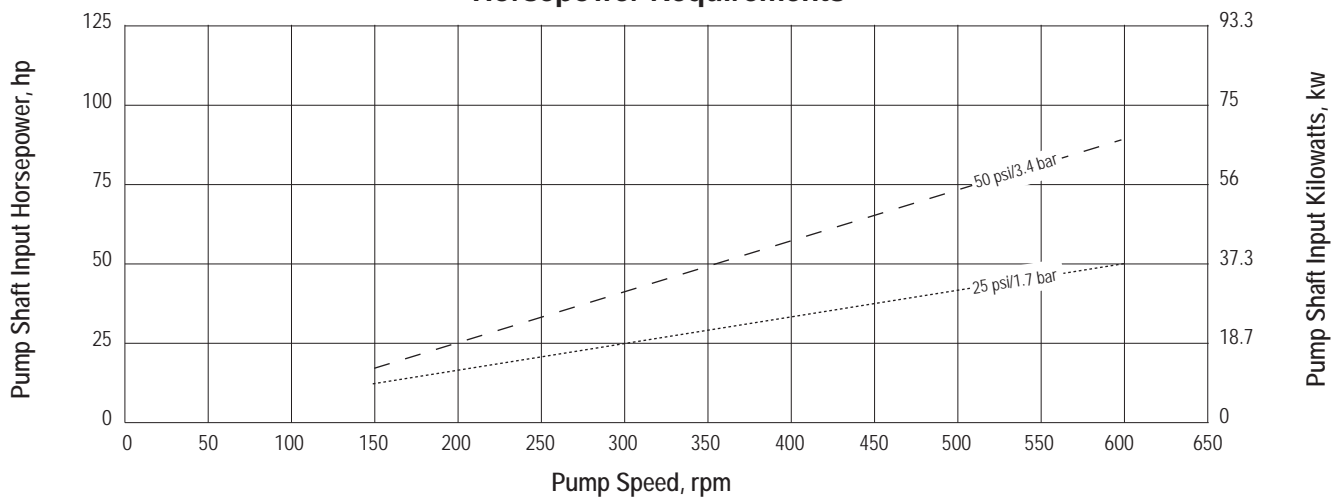
Performance Curve - NBR Lobes*

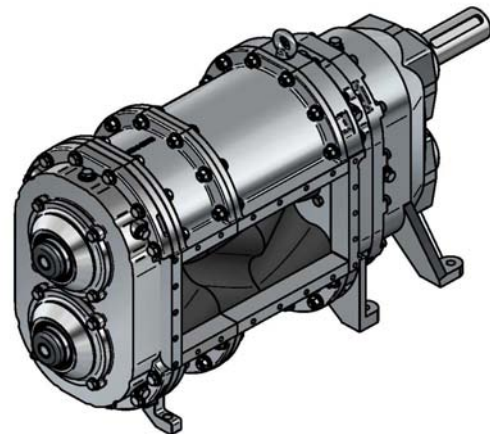
Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
Output will increase as viscosity of the fluid increases from 1.



*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements



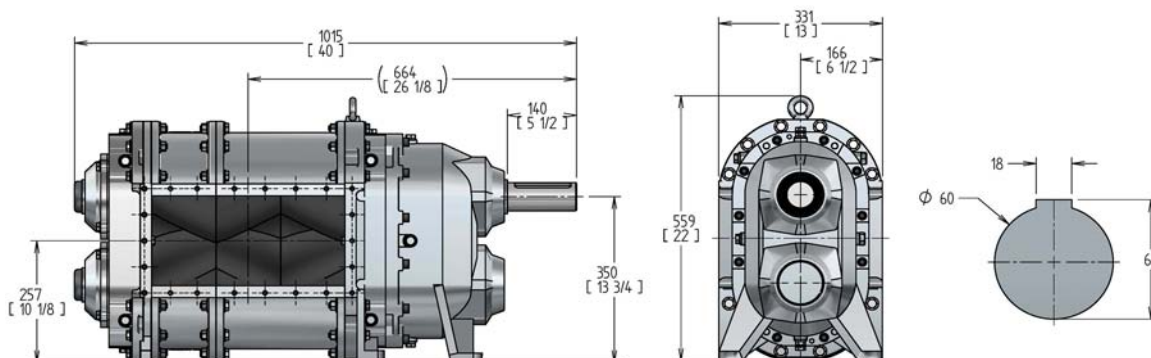
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-1,995 gpm	0-453 m ³ /h
Displacement (per 100 revolutions):	399 gal (US)	1,504 L
Maximum Continuous Pressure:	85 psi	5.9 bar
Starting Torque:	3,857 in lbf	436 N m
Rated Speed:	0-500 RPM	0-500 RPM
Shaft Diameter:	2.4"	60 mm
Flange Connection Class:	ANSI 16.5-150#	DN – PN 16
Flange Connection Size:	ANSI 10"	DN 200
Weight:	890 lbs	401 kg
Solids Handling		
Spherical Compressible	3"	76 mm
Spherical Hard*	1/8"	3 mm

* Larger hard solids will pass through but may cause damage.

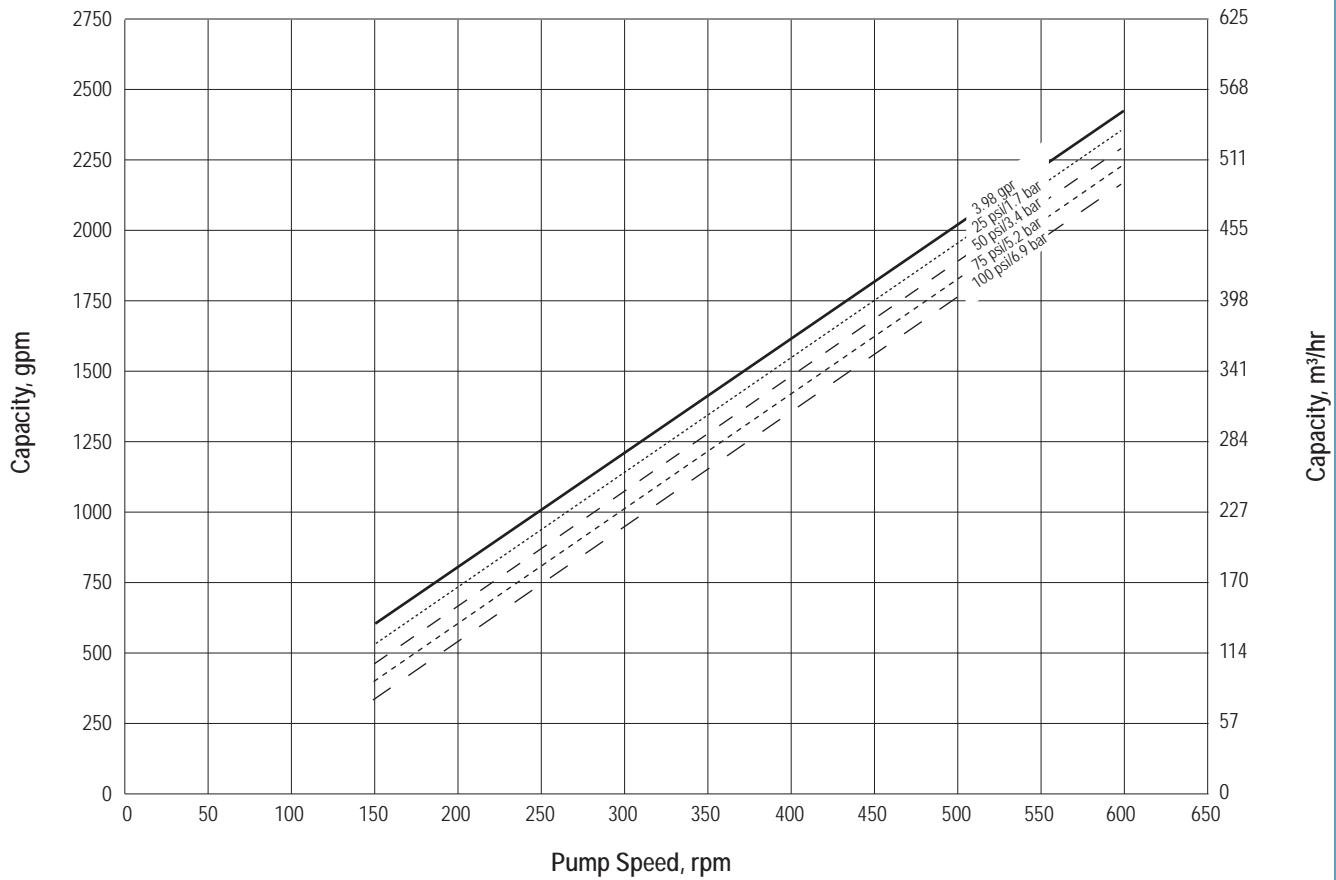
MODEL >	SL399h	CL399h	DL399h
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix	Helix
Number of lobe wings	4	4	4
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
O-rings	FKM	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal	Duronit	Silicon Carbide	Tungsten Carbide
Seal Holders	Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec. Carbon Steel with Corrosion resistant coating	Opt. Tungsten Carbide or Engineer Rec. Stainless Steel Type 316	Opt. Silicon Carbide or Engineer Rec. Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Housing Segments	ASTM A48 Grey Iron rust primed	Duplex Stainless Steel	Duplex Stainless Steel
Flange Ring	ASTM A36 Carbon Steel	Stainless Steel Type 316L	Duplex Stainless Steel
Bolts	Carbon Steel ISO 898-1	Stainless Steel A2-A4	Duplex Stainless Steel
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L	Duplex Stainless Steel
LIMITED EXPOSURE PARTS			
Quench /Seal Cooling Chamber	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face
Pump Cover - DoorLh Assembly	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron rust primed with PTFE / Ceramic Teflon etched on face
NON-WETTED PARTS			
Gears	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS			
Standard Painting	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver	SSPC/SP6 Sandblast Paint LobePro Silver

NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



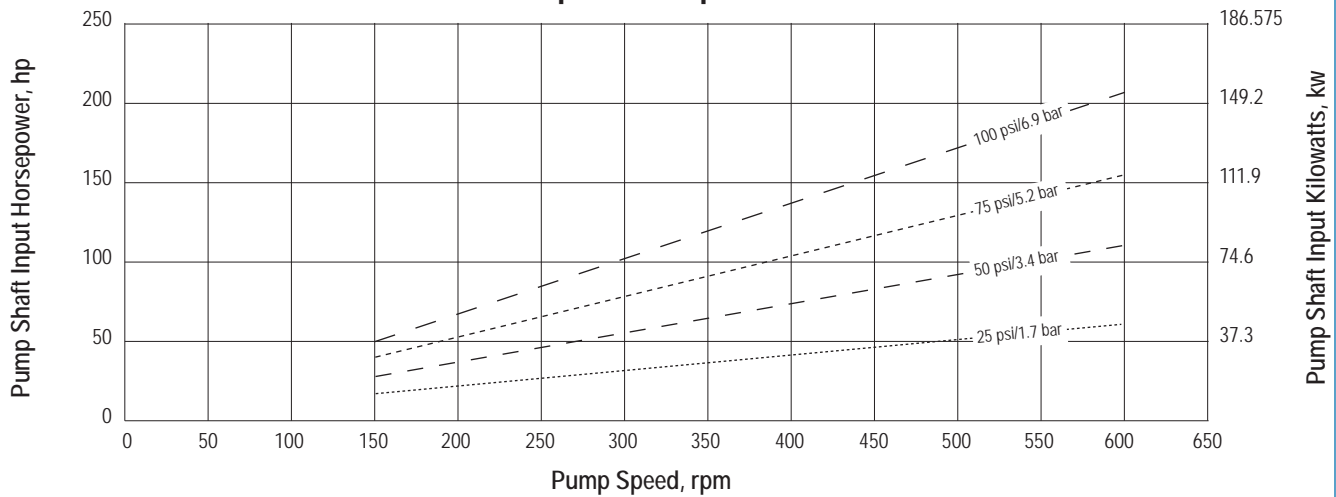
L399h CURVES

Performance Curve - NBR Lobes*
Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
Output will increase as viscosity of the fluid increases from 1.



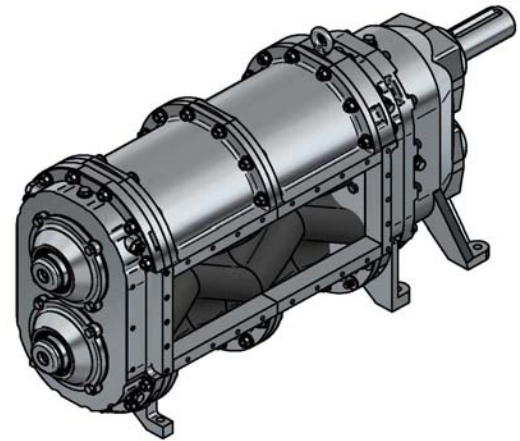
*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements





L531h



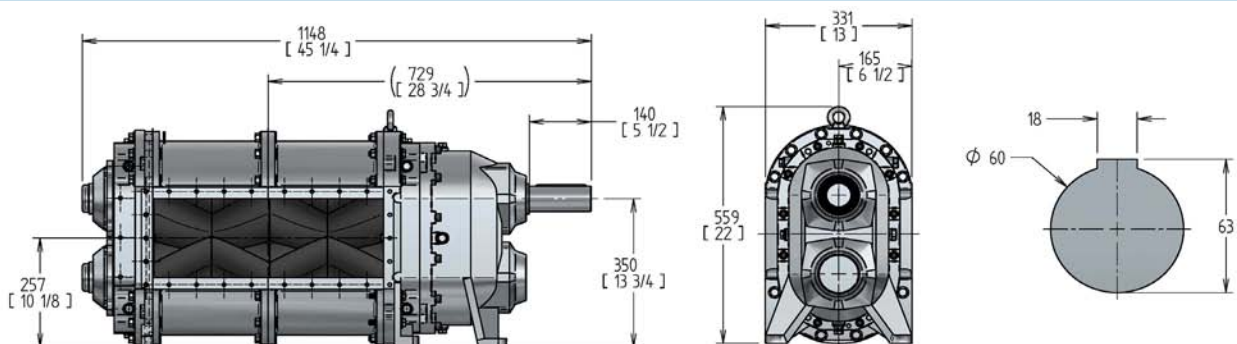
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-2,655 gpm	0-603 m ³ /h
Displacement (per 100 revolutions):	531 gal (US)	2,002 L
Maximum Continuous Pressure:	70 psi	4.8 bar
Starting Torque:	3,857 in lbf	436 N m
Rated Speed:	0-500 RPM	0-500 RPM
Shaft Diameter:	2.4"	60 mm
Flange Connection Class:	ANSI 16.5-150#	DN – PN 14
Flange Connection Size:	ANSI 10"	DN 200
Weight:	1,008 lbs	454 kg
Solids Handling		
Spherical Compressible	3"	76 mm
Spherical Hard*	1/8"	3 mm

*Larger hard solids will pass through, but may cause damage.

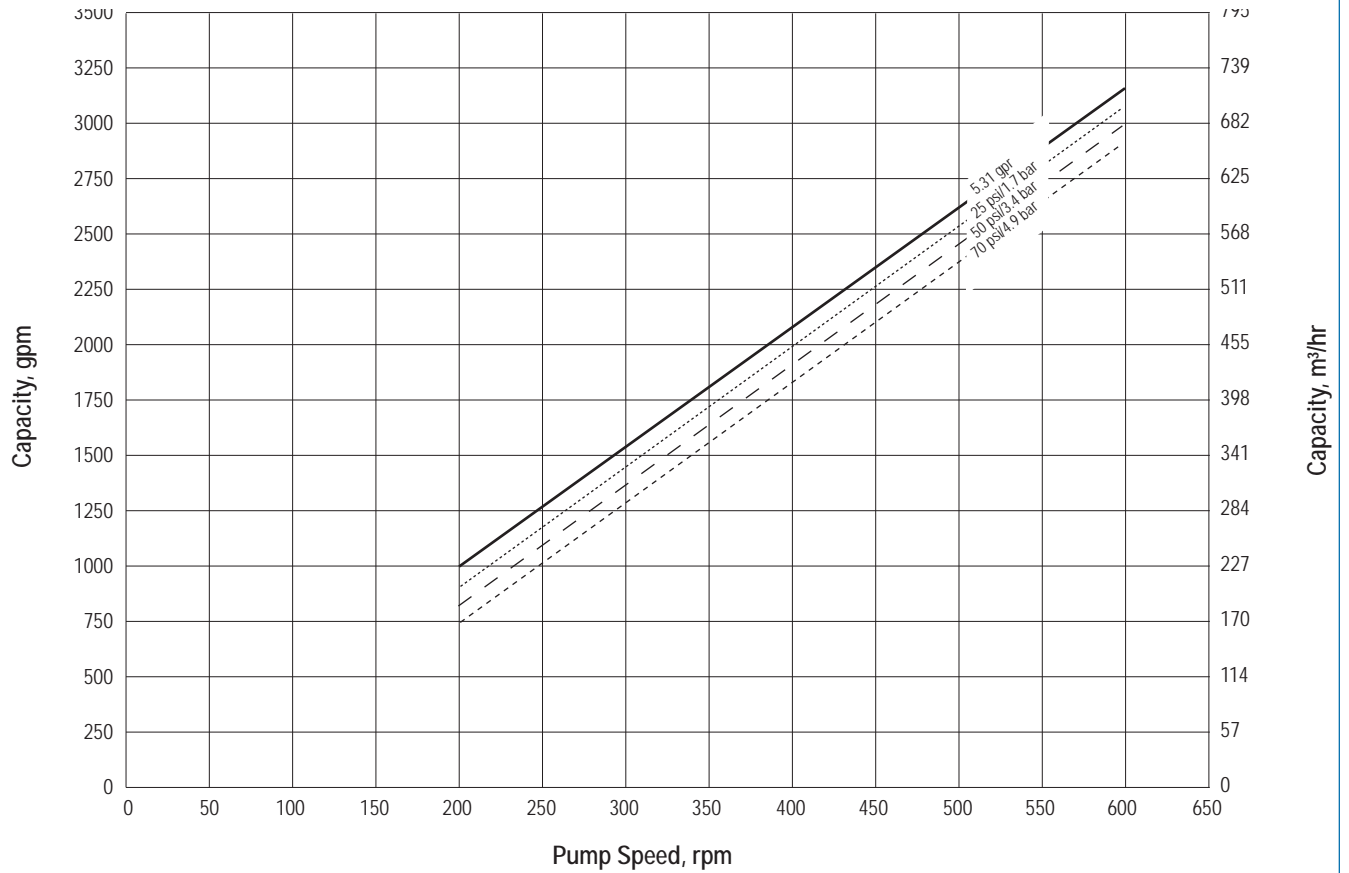
MODEL >	SL531h	CL531h	DL531h
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix	Helix
Number of lobe wings	4	4	4
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
O-rings	FKM	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal	Duronit Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec.	Silicon Carbide Opt. Tungsten Carbide or Engineer Rec.	Tungsten Carbide Opt. Silicon Carbide or Engineer Rec.
Seal Holders	Carbon Steel with Corrosion resistant coating	Stainless Steel Type 316	Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Housing Segments	ASTM A48 Grey Iron rust primed	Duplex Stainless Steel	Duplex Stainless Steel
Flange Ring	ASTM A36 Carbon Steel	Stainless Steel Type 316L	Duplex Stainless Steel
Bolts	Carbon Steel ISO 898-I	Stainless Steel A2-A4	Duplex Stainless Steel
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L	Duplex Stainless Steel
LIMITED EXPOSURE PARTS			
Quench /Seal Cooling Chamber	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face
Pump Cover - Door/Lh Assembly	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron rust primed with PTFE / Ceramic Teflon etched on face
NON-WETTED PARTS			
Gears	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS			
Standard Painting	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver	SSPC/SP6 Sandblast Paint LobePro Silver

NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



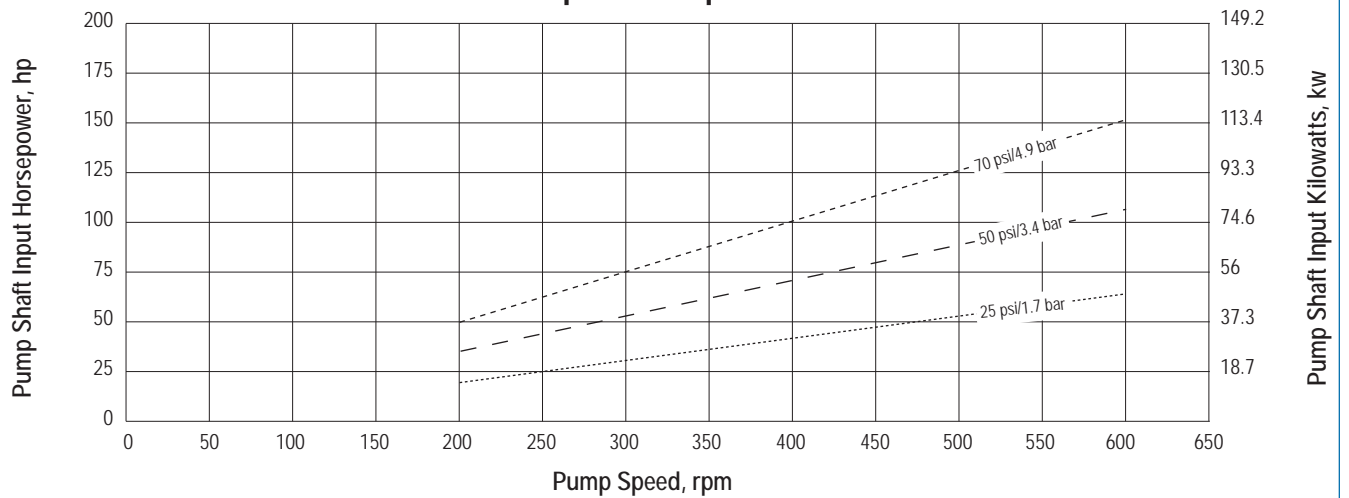
L531h CURVES

Performance Curve - NBR Lobes*
Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
Output will increase as viscosity of the fluid increases from 1.



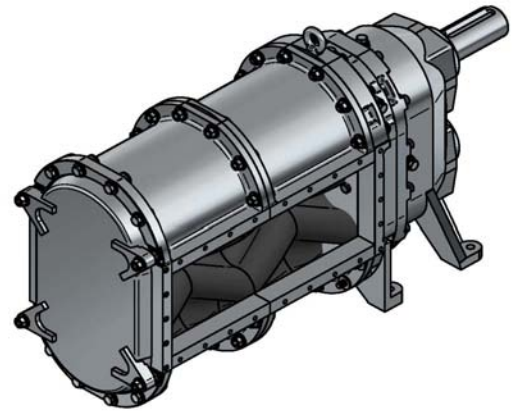
*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements





L531



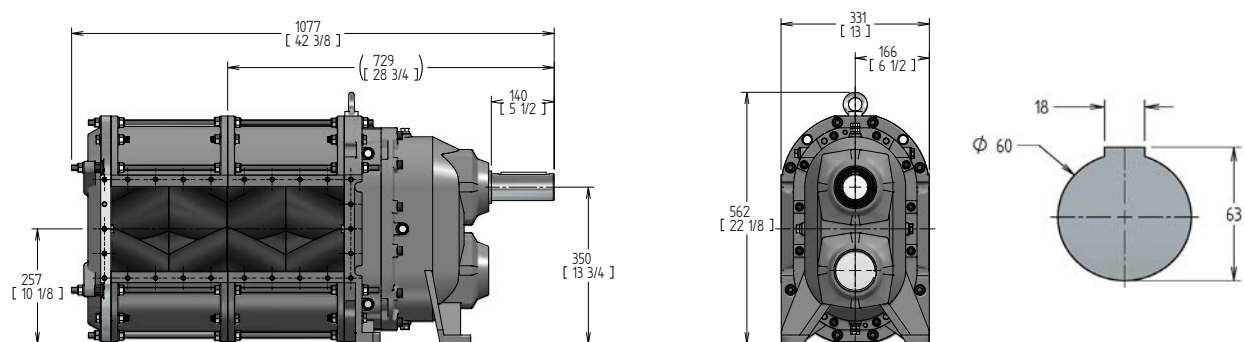
Positive Displacement Rotary Lobe Pumps

SPECIFICATIONS	US	Metric
Rated Capacity:	0-2,655 gpm	0-603 m ³ /h
Displacement (per 100 revolutions):	531 gal (US)	2,002 L
Maximum Continuous Pressure:	30 psi	2.1 bar
Starting Torque:	3,857 in lbf	436 N m
Rated Speed:	0-500 RPM	0-500 RPM
Shaft Diameter:	2.4"	60 mm
Flange Connection Class:	ANSI 16.5-150#	DN - PN 140
Flange Connection Size:	ANSI 10"	DN 200
Weight:	913 lbs	411 kg
Solids Handling		
Spherical Compressible	3"	76 mm
Spherical Hard*	1/8"	3 mm

*Larger hard solids will pass through, but may cause damage.

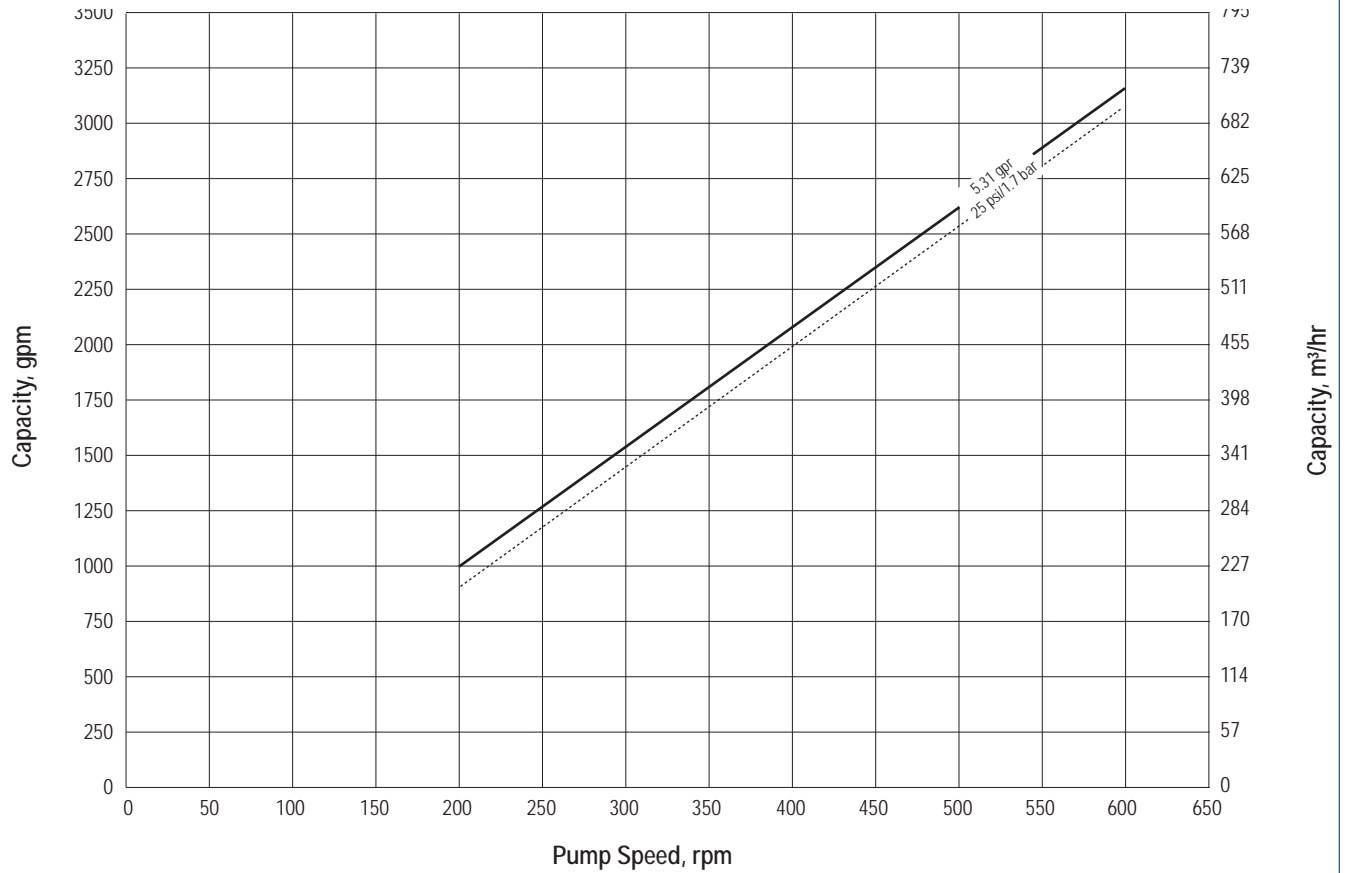
MODEL >	SL531	CL531	DL531
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix	Helix
Number of lobe wings	4	4	4
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
O-rings	FKM	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Lip seals	FKM or Engineer Recommendation	FKM or Engineer Recommendation	FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal	Duronit Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec.	Silicon Carbide Opt. Tungsten Carbide or Engineer Rec.	Tungsten Carbide Opt. Silicon Carbide or Engineer Rec.
Seal Holders	Carbon Steel with Corrosion resistant coating	Stainless Steel Type 316	Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Housing Segments	ASTM A48 Grey Iron rust primed	Duplex Stainless Steel	Duplex Stainless Steel or Engineer Rec.
Flange Ring	ASTM A36 Carbon Steel	Stainless Steel Type 316L	Duplex Stainless Steel
Bolts	Carbon Steel ISO 898-I	Stainless Steel A2-A4	Duplex Stainless Steel
Pressure Disc	Stainless Steel Type 316L	Stainless Steel Type 316L	Duplex Stainless Steel
LIMITED EXPOSURE PARTS			
Quench /Seal Cooling Chamber	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face	ASTM A48 Grey Iron with PTFE / Ceramic Teflon etched on face
Pump Cover	ASTM A48 Grey Iron rust primed	CIT coated Grey Iron Opt. DS Stainless Steel	CIT coated Grey Iron Opt. Duplex Stainless Steel
NON-WETTED PARTS			
Gears	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel	GMA Class 9 AISI 1045 steel
Gear Housing	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed
Shaft	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS			
Standard Painting	SSPC/SP6 Sandblast Paint LobePro Blue	SSPC/SP6 Sandblast Paint LobePro Silver	SSPC/SP6 Sandblast Paint LobePro Silver

NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



L531 CURVES

Performance Curve - NBR Lobes*
 Based on 70°F (21°C) fresh water (1 cp) at Sea Level.
 Output will increase as viscosity of the fluid increases from 1.



*Note: Output from lobes coated with elastomers other than NBR may be lower. Contact Engineering for further information.

Horsepower Requirements

