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3 4 5



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 contruction 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

e earborr steer

- 10 Housing Segment GasketV 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 SpacLh.SS

16 - Mechanical Seal Assembly:

- N LARS.D.EN.F R LARS.D.SS.F
- S LARS.SC.SS.F E LARS.SC.DS.F
- V LARS.TC.DS.F Q LARS.TC.SS.F
- M LARS.SC.EN.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 E - EPDM H - HNBR N - NBR

19 - Wear Plates:

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

20 - Lobe Coating / Core Material

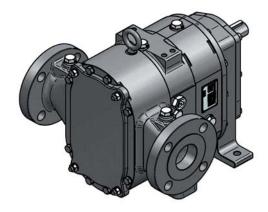
- N NBR Steel Core
- G NBR GI Core
- H HNBR
- E EDPM
- F FKM

21 - Lobe Shape:

- 4h 4 Wing Helix
- 6h 6 Wing Helix
- 6s 6 Wing Straight
- 2s 2 Wing Straight
- 22 Serial Number



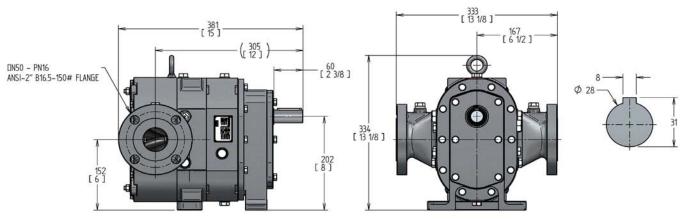
SPECIFICATIONS	US	Metric
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling:	0-72 gpm 8 gal (US) 175 psi 720 in lbf 0-900 RPM 1.1" ANSI 2" 150 lbs	0-16 m³/hr 30 L 12.1 bar 127 N m 0-900 RPM 28 mm DN – PN 16 DN 50 68 kg
Spherical Compressible Spherical Hard*	1/8"	19 mm 3 mm
* Larger hard solids will pass through but may of	cause damage.	



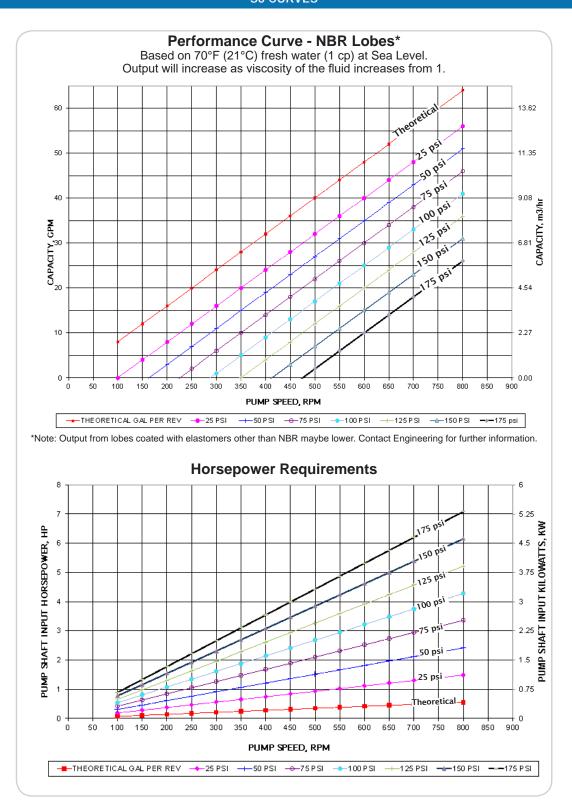
Positive Displacement Rotary Lobe Pumps

MODEL >	SS8p	CS8p	DS8p
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer Lobe Profile	NBR Opt. HNBR, FKM, EPDM or Eng. Rec. Helix	FKM or HNBR Opt. NBR, EPDM or Eng. Rec. Helix	FKM or HNBR Opt. NBR, EPDM or Eng. Rec. Helix
Number of lobe wings Core	6 Carbon Steel	6 Carbon Steel	6 Carbon Steel
Sealing Elastomers			
O-rings Lip seals	FKM FKM or Engineer Recommendation	FKM or Engineer Recommendation FKM or Engineer Recommendation	FKM or Engineer Recommendation FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal Seal Holders	Duronit Opt. Tungsten Carbide, Silicon Carbide or Eng.Rec Carbon Steel with Corrosion resistant coating	Silicon Carbide c. Opt. Tungsten Carbide or Engineer Rec. Stainless Steel Type 316	Tungsten Carbide Opt. Silicon Carbide or Engineer Rec. Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Pump Wetend Housing	, ii 1000 0100. (Diiii 000)	Duplox Stallings Stock	Bap.ox ctannood otto
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	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint
	LobePro Blue	LobePro Silver	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.



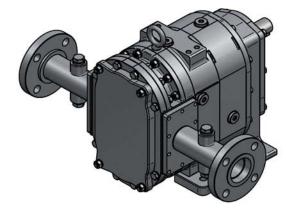
S8 CURVES





S8c

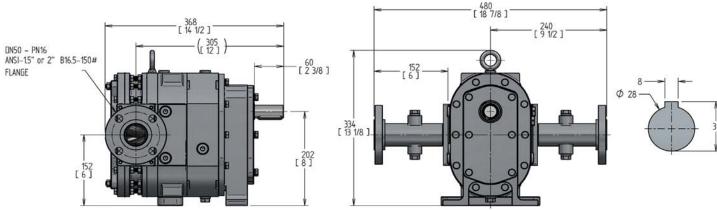
SPECIFICATIONS	US	Metric
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling: Spherical Compressible Spherical Hard' * Larger hard solids will pass through but may	0-72 gpm 8 gal (US) 175 psi 720 in lbf 0-900 RPM 1.1" ANSI 16.5-150# ANSI 2" 144 lbs 0.75" 1/8" cause damage.	0-16 m³/hr 30 L 12.1 bar 127 N m 0-900 RPM 28 mm DN – PN 16 DN 50 65 kg 19 mm 3 mm



Positive Displacement Rotary Lobe Pumps

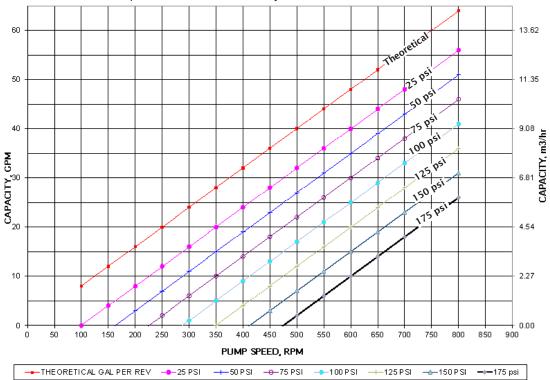
MODEL > SS8c CS8c Sludge, Mud and Slurries* Chemical/Corrosive **Service** WETTED PARTS **Rotary Lobes** NBR Opt. HNBR, FKM, EPDM or Eng. Rec. FKM or HNBR Opt. NBR, EPDM or Eng. Rec. Flastomer Lobe Profile Number of lobe wings Carbon Steel Carbon Steel Core Sealing Elastomers FKM or Engineer Recommendation FKM or Engineer Recommendation O-rings Lip seals FKM or Engineer Recommendation Mechanical Seals Silicon Carbide Duronit Mechanical Seal Opt. Tungsten Carbide or Engineer Rec. Opt. Tungsten Carbide, Silicon 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** Stainless Steel Type 316L Flange Ring ASTM A36 Carbon Steel 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 GMA Class 9 AISI 1045 steel GMA Class 9 AISI 1045 steel Carbon Steel or ASTM A48 Grey Iron rust primed Carbon Steel or ASTM A48 Grey Iron Gear Housing AISI 4140 Alloy Steel AISI 4140 Alloy Steel Shaft PAINTING REQUIREMENTS Standard Painting SSPC/SP6 Sandblast Paint SSPC/SP6 Sandblast Paint LobePro Blue LobePro Silver

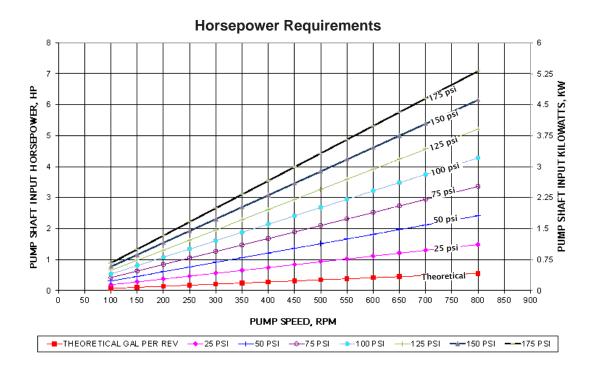
NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F). One piece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



S8 CURVES

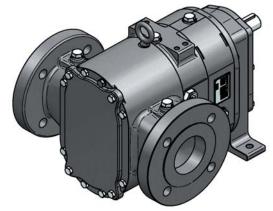
Performance Curve - NBR Lobes*Based on 70°F (21°C) fresh water (1 cp) at Sea Level. Output will increase as viscosity of the fluid increases from 1.







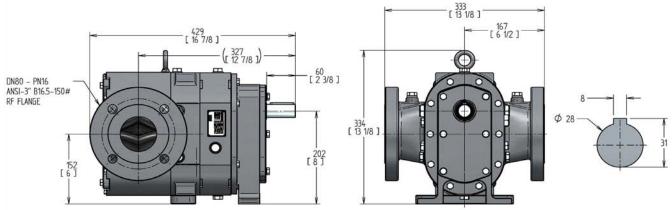
SPECIFICATIONS	US	Metric
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling: Spherical Compressible Spherical Hard* * Larger hard solids will pass through but may	0-144 gpm 16 gal (US) 100 psi 720 in lbf 0-900 RPM 1.1" ANSI 3" 175 lbs 0.75" 1/8"	0-32 m³/hr 60 L 6.9 bar 127 N m 0-900 RPM 28 mm DN – PN 16 DN 80 80 kg 19 mm 3 mm



Positive Displacement Rotary Lobe Pumps

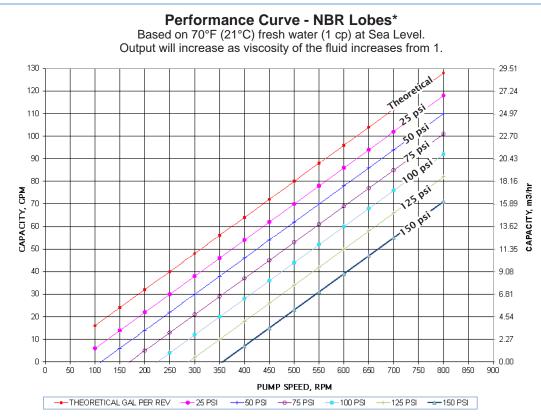
MODEL >	SS16p	CS16p	DS16p
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer Lobe Profile	NBR Opt. HNBR, FKM, EPDM or Eng. Rec. Straight 6	FKM or HNBR Opt. NBR, EPDM or Eng. Rec. Straight	FKM or HNBR Opt. NBR, EPDM or Eng. Rec. Straight
Number of lobe wings Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
Ö-rings Lip seals	FKM FKM or Engineer Recommendation	FKM or Engineer Recommendation FKM or Engineer Recommendation	FKM or Engineer Recommendation FKM or Engineer Recommendation
Mechanical Seals			
Mechanical Seal Seal Holders	Duronit Opt. Tungsten Carbide, Silicon Carbide or Eng.Rec Carbon Steel with Corrosion resistant coating	Silicon Carbide c. Opt. Tungsten Carbide or Engineer Rec. Stainless Steel Type 316	Tungsten Carbide Opt. Silicon Carbide or Engineer Rec. Duplex Stainless Steel
Wear Plates	AR500 Steel (Brinell 500)	Duplex Stainless Steel	Duplex Stainless Steel
Pump Wetend Housing	, 11 1000 01001 (D.I.I.Io.II 000)	Bupton Stannings Steel	Bu plan Stallings Stadi
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	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint
	LobePro Blue	LobePro Silver	LobePro Silver

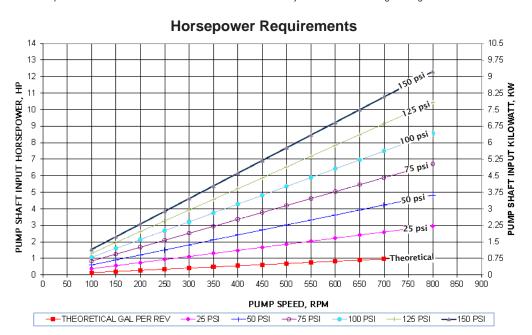
NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F). **Proform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



4 September 2020

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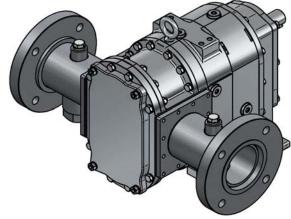






S16c

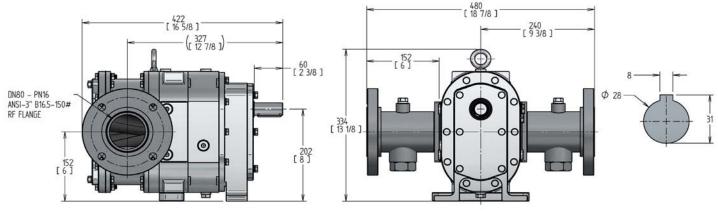
SPECIFICATIONS	US	Metric
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling: Spherical Compressible Spherical Hard* * Larger hard solids will pass through but may	0-144 gpm 16 gal (US) 100 psi 720 in lbf 0-900 RPM 1.1" ANSI 16.5-150# ANSI 3" 182 lbs 0.75" 1/8" cause damage.	0-32 m³/hr 60 L 6.9 bar 127 N m 0-900 RPM 28 mm DN – PN 16 DN 80 82 kg 19 mm 3 mm



Positive Displacement Rotary Lobe Pumps

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

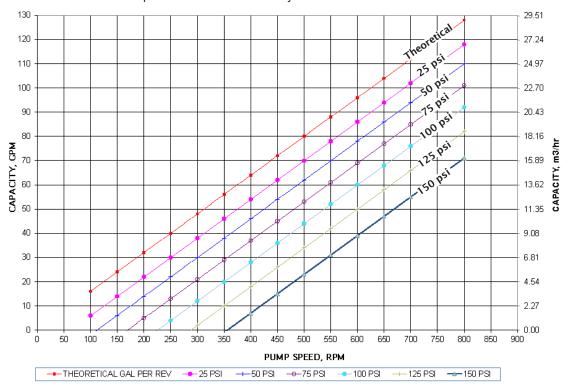
NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F). One piece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

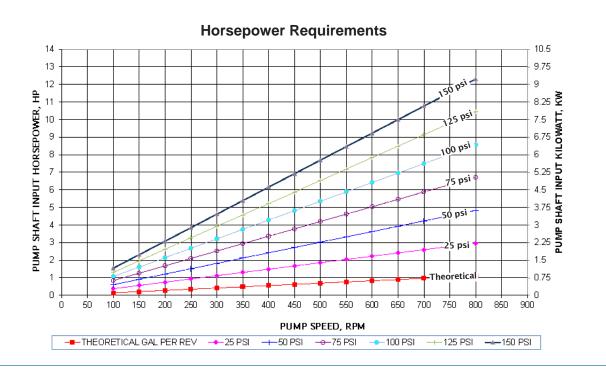


S16 CURVES

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.



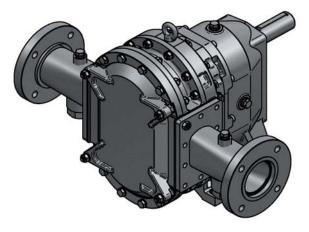




M34

SPECIFICATIONS	US	Metric	
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling: Spherical Compressible Spherical Hard* * Larger hard solids will pass through but may	0-204 gpm 34 gal (US) 145 psi 1,121 in lbf 0-600 RPM 1.65" ANSI 3" 257 lbs 1.5" 1/8" 4 cause damage.	0-46 m³/h 129 L 10 bar 82 N m 0-600 RPM 42 mm DN – PN 16 DN 80 117 kg 38 mm 3 mm	

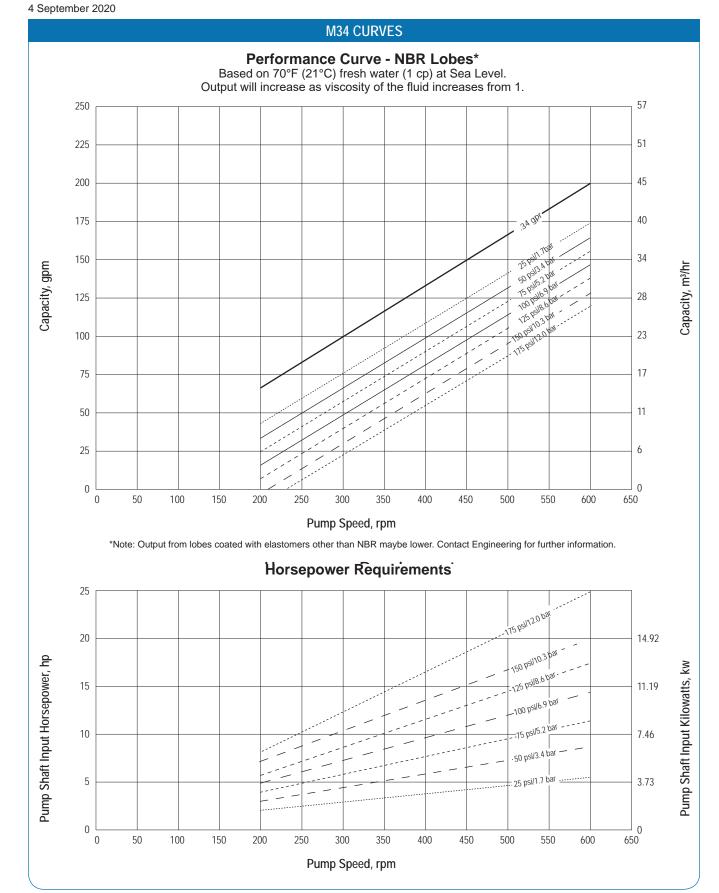
Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



Positive Displacement Rotary Lobe Pumps

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 Number of lobe wings	Helix	Helix 4	Helix
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
Ö-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
Mechanical Seal	Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec		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	ASTM A48 Grey Iron
		with PTFE / Ceramic Teflon etched on face	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	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint
	LobePro Blue	LobePro Silver	LobePro Silver

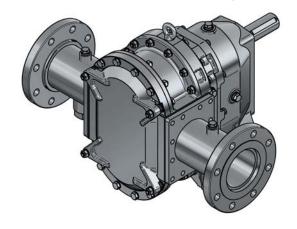
DN80 - PM16 ANSI-3" B16.5-150# [7 7/8]





M50

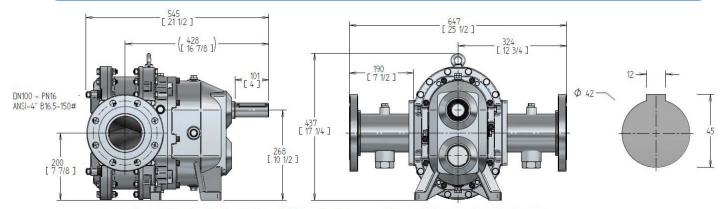
SPECIFICATIONS	US	Metric
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling: Spherical Compressible Spherical Hard* * Larger hard solids will pass through but m	0-300 gpm 50 gal (US) 125 psi 1,273 in lbf 0-600 RPM 1.65" ANSI 16.5-150# ANSI 4" 290 lbs 1.5" 1/8" aay cause damage.	0-68 m³/h 189 L 8.6 bar 144 N m 0-600 RPM 42 mm DN – PN 16 DN 100 132 kg 38 mm 3 mm



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 Number of lobe wings	Helix	Helix	Helix
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
Ö-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	D!4	Silicon Carbide	Towarden Orabida
Mechanical Seal	Duronit Opt. Tungsten Carbide, Silicon Carbide, or Eng. 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 Grev Iron	ASTM A48 Grey Iron
		with PTFE / Ceramic Teflon etched on face	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 Stee
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	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint
	LobePro Blue	LobePro Silver	LobePro Silver

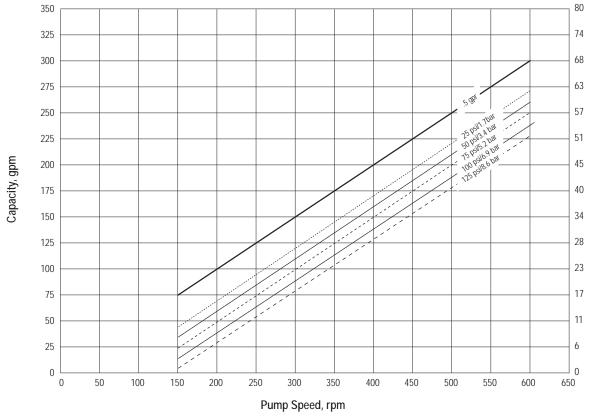
NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



M50 CURVES

Performance Curve - NBR Lobes*

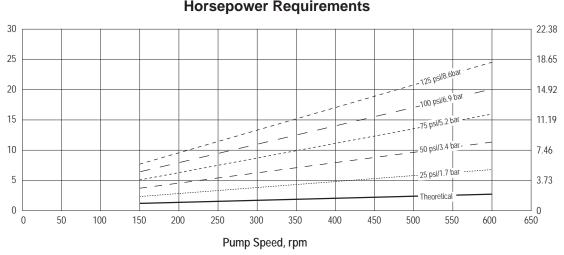
Based on 70°F (21°C) fresh water (1 cp) at Sea Level. Output will increase as viscosity of the fluid increases from 1.



Capacity, m³/hr

Pump Shaft Input Kilowatts, kw

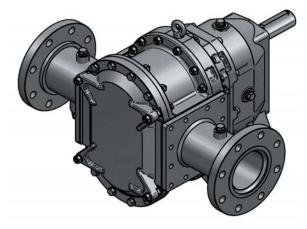






M68

SPECIFICATIONS	US	Metric
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling: Spherical Compressible Spherical Hard* * Larger hard solids will pass through but may it.	0-408 gpm 68 gal (US) 100 psi 1,417 in lbf 0-600 RPM 1.65" ANSI 16.5-150# ANSI 4" 311 lbs 1.5" 1/8" cause damage.	0-93 m³/h 256 L 6.9 bar 160 N m 0-600 RPM 42 mm DN – PN 16 DN 100 140 kg 38 mm 3 mm



Positive Displacement Rotary Lobe Pumps

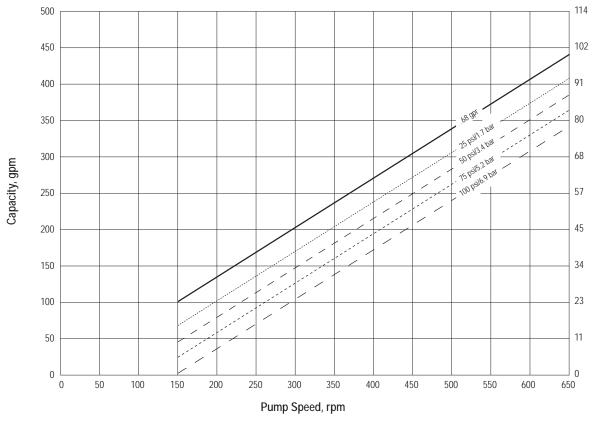
MODEL >	SM68	CM68	DM68
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS	-		
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile Number of lobe wings	Helix	Helix	Helix
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
Ö-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	Stainless Steel Tyne 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	ASTM A48 Grey Iron
		with PTFE / Ceramic Teflon etched on face	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	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint
	LobePro Blue	LobePro Silver	LobePro Silver
NOTE: Listed above are standard nu	mp assemblies; lobe styles and materials subject to rec	ommendation by LohePro Engineering. A wide range	of ontional materials are available for each model
•	on. *Consult Factory for application temperature above	, , ,	or optional materials are available for each model.
CONSULT LODGETTO TOL TULLITEL INIOHITIALIO	on. Consult ractory for application temperature above (00 C (175 T).	

DN100 - PN16 ANSI-4" B16.5-150#

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.

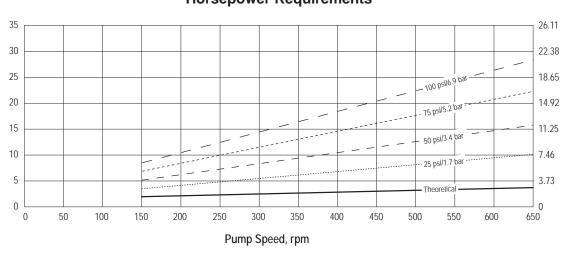


Capacity, m3/hr

Pump Shaft Input Kilowatts, kw

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

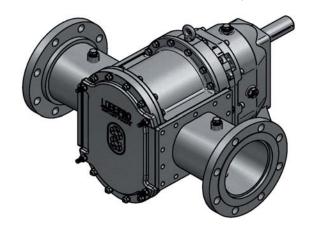
Horsepower Requirements





M100

SPECIFICATIONS	US	Metric
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling: Spherical Compressible Spherical Hard* * Larger hard solids will pass through but may or the speed of t	0-600gpm 100 gal (US) 50 psi 1,685 in lbf 0-600 RPM 1.65" ANSI 16.5-150# ANSI 6" 390 lbs 1.5" 1/8" cause damage.	0-136 m³/h 377 L 3.4 bar 190 N m 0-600 RPM 42 mm DN – PN 16 DN 150 175 kg 38 mm 3 mm

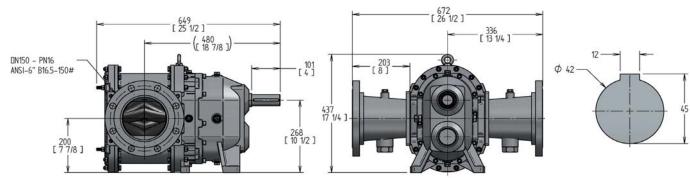


Positive Displacement Rotary Lobe Pumps

MODEL >	SM100	CM100	DM100
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer Lobe Profile	NBR Opt. HNBR, FKM, EPDM or Eng. Rec. Helix	FKM or HNBR Opt. NBR, EPDM or Eng. Rec. Helix	FKM or HNBR Opt. NBR, EPDM or Eng. Rec. Helix
Number of lobe wings	1 melix	A	ΠΕΙΙΧ Δ
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	Tungatan Cashida
Mechanical Seal			Tungsten Carbide Opt. Silicon Carbide or Engineer Rec.
Seal Holders	Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec 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	ASTM A48 Grey Iron
•		with PTFE / Ceramic Teflon etched on face	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	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint
	LobePro Blue	LobePro Silver	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.

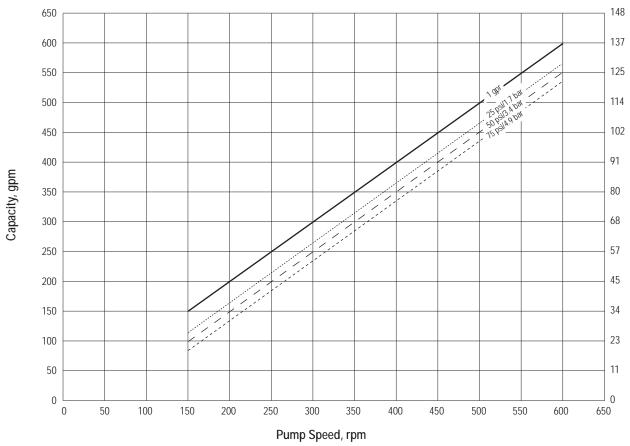
Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



M100 CURVES

Performance Curve - NBR Lobes*

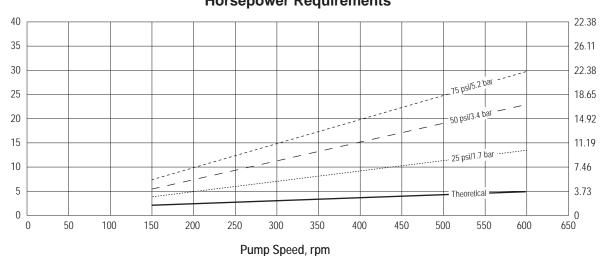
Based on 70°F (21°C) fresh water (1 cp) at Sea Level. Output will increase as viscosity of the fluid increases from 1.



Capacity, m3/hr

Pump Shaft Input Kilowatts, kw

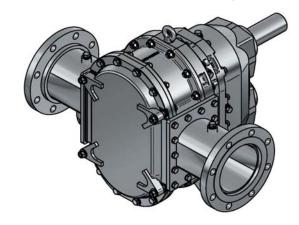






L133

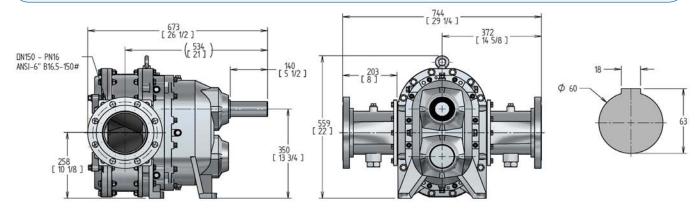
SPECIFICATIONS	US	Metric
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling	0-665 gpm 133 gal (US) 125 psi 2,860 in lbf 0-500 RPM 2.4" ANSI 16.5-150# ANSI 6" 615 lbs	0-151 m³/h 501 L 8.6 bar 323 N m 0-500 RPM 60 mm DN – PN 16 DN 150 277 kg
Spherical Compressible Spherical Hard* * Larger hard solids will pass through but may co	3" 1/8" ause damage.	76 mm 3 mm



Positive Displacement Rotary Lobe Pumps

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 Number of lobe wings	Helix	Helix 4	Helix
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	c. 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-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	ASTM A48 Grey Iron
·		with PTFE / Ceramic Teflon etched on face	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	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint
	LobePro Blue	LobePro Silver	LobePro Silver

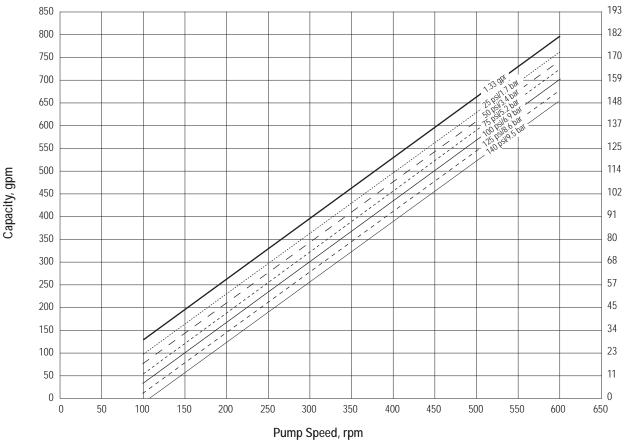
NOTE: Listed above are standard pump assemblies; lobe styles and materials subject to recommendation by LobePro Engineering. A wide range of optional materials are available for each model. Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).





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.

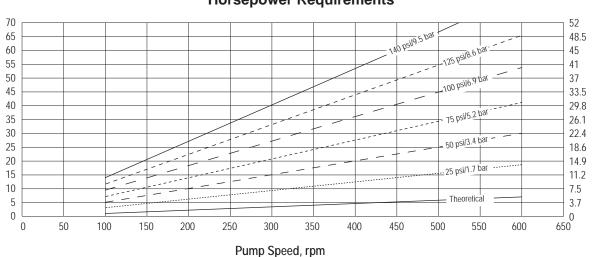


Capacity, m3/hr

Pump Shaft Input Kilowatts, kw

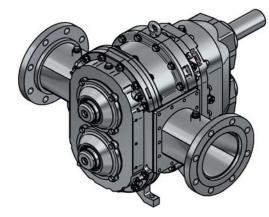
*Note: Output from lobes coated with elastomers other than NBR maybe lower. Contact Engineering for further information.

Horsepower Requirements



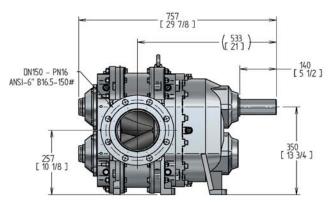


SPECIFICATIONS	US	Metric
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling Spherical Compressible Spherical Hard * Larger hard solids will pass through but may of	0-665 gpm 133 gal (US) 175 psi 3,857 in lbf 0-500 RPM 2.4" ANSI 16.5-150# ANSI 6" 744 lbs 3" 1/8" cause damage.	0-151 m³/h 501 L 12.1 bar 436 N m 0-500 RPM 60 mm DN – PN 16 DN 150 335 kg 76 mm 3 mm

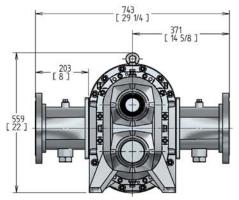


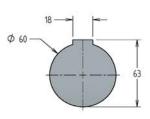
Positive Displacement Rotary Lobe Pumps

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 Number of lobe wings	Helix	Helix	Helix 4
Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers			
Ŏ-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		0.11	T
Mechanical Seal	Duronit Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec	Silicon Carbide	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	ASTM A48 Grey Iron
•		with PTFE / Ceramic Teflon etched on face	with PTFE / Ceramic Teflon etched on face
Pump Cover - DoorLh Assembly	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed
NON-WETTED PARTS		with PTFE / Ceramic Teflon etched on face	with PTFE / Ceramic Teflon etched on face
	CMA Class 0 AICI 1045 steel	CMA Class 0 AICL 104F steel	CMA Class 0 AICI 1045 steel
Gears Llouding	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 PAINTING DECLUBEMENTS	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel	AISI 4140 Alloy Steel
PAINTING REQUIREMENTS	00D0/0D0 0	CCDC/CDC C dblt D-it	00D0/0D0 0
Standard Painting	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint
	LobePro Blue	LobePro Silver	LobePro Silver



Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).





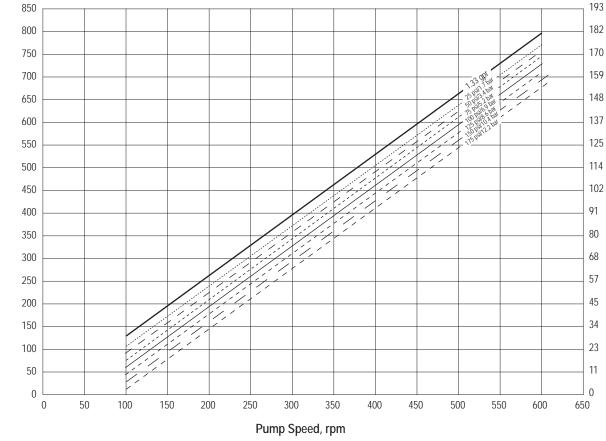
Capacity, gpm

Pump Shaft Input Horsepower, hp

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.



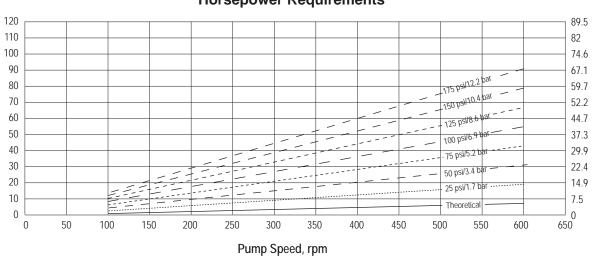
Capacity, m3/hr

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Pump Shaft Input Kilowatts,

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

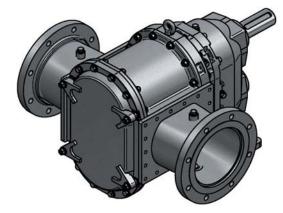
Horsepower Requirements





_266

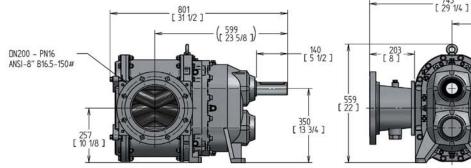
SPECIFICATIONS	US	Metric
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling Spherical Compressible Spherical Hard* * Larger hard solids will pass through but may define the speed of the speed o	0-1,330 gpm 266 gal (US) 75 psi 3.857 in lbf 0-500 RPM 2.4" ANSI 16.5-150# ANSI 8" 769 lbs 3" 1/8" cause damage.	0-302 m³/h 1,003 L 5.2 bar 436 N m 0-500 RPM 60 mm DN – PN 16 DN 200 346 kg 76 mm 3 mm

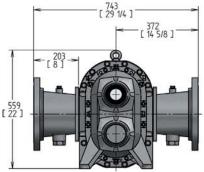


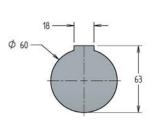
Positive Displacement Rotary Lobe Pumps

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 Core	4 Carbon Steel	4 Carbon Steel	4 Carbon Steel
	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	Trui of Engineer recommendation	Trui or Engineer recommendation	Train of Engineer recommendation
Mechanical Seal	Duronit	Silicon Carbide	Tungsten Carbide
	Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec	c. Opt. Tungsten Carbide or Engineer Rec.	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 Grev Iron	ASTM A48 Grey Iron
<u> </u>	7.6-1117-110 Gray Hall Tube printed	with PTFE / Ceramic Teflon etched on face	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	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint
<u>Januara i animig</u>	LobePro Blue	LobePro Silver	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).



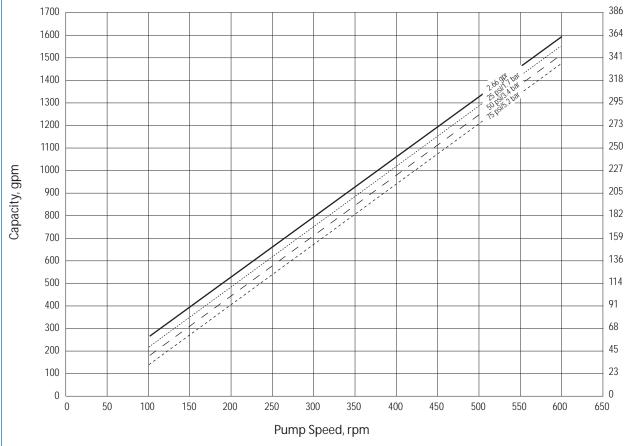




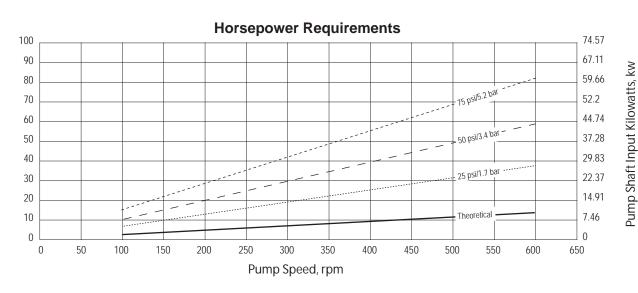
L266 CURVES

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.



Capacity, m3/hr

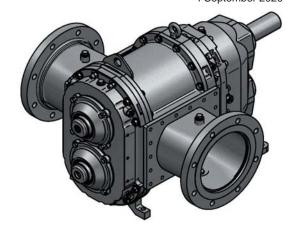




L266h

SPECIFICATIONS	US	Metric
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling Spherical Compressible Spherical Hard* * Larger hard solids will pass through but may ca	0-1,330 gpm 266 gal (US) 150 psi 3,857 in lbf 0-500 RPM 2.4" ANSI 16.5-150# ANSI 8" 862 lbs 3" 1/8" use damage.	0-302 m³/h 1,003 L 10.3 bar 436 N m 0-500 RPM 60 mm DN – PN 10 DN 200 388 kg 76 mm 3 mm

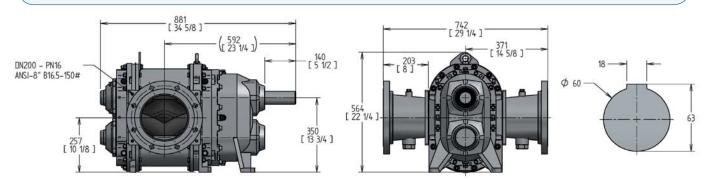
Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



Positive Displacement Rotary Lobe Pumps

MODEL > CL266h DL266h SL266h **Service** Sludge, Mud and Slurries* Chemical/Corrosive Oil, Gas & Abrasives WETTED PARTS Rotary Lobes FKM or HNBR Opt. NBR, EPDM or Eng. Rec. NBR Opt. HNBR, FKM, EPDM or Eng. Rec. FKM or HNBR Opt. NBR, EPDM or Eng. Rec. Flastomer Lobe Profile Helix Helix Number of lobe wings Carbon Steel Core Carbon Steel Carbon Steel Sealing Elastomers O-rings Lip seals FKM or Engineer Recommendation Mechanical Seals

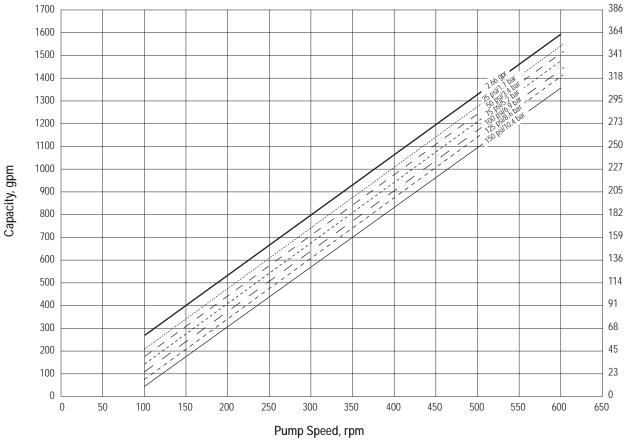
Mechanical Seal Duronit
Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec. Opt. Tungsten Carbide or Engineer Rec. Carbon Steel with Corrosion resistant coating
Stainless Steel Type 316 Tungsten Carbide Opt. Silicon Carbide or Engineer Rec. Seal Holders **Duplex Stainless Steel** Wear Plates AR500 Steel (Brinell 500) **Duplex Stainless Steel** Duplex Stainless Steel ASTM A48 Grey Iron rust primed **Housing Segments 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 ASTM A48 Grey Iron
with PTFE / Ceramic Teflon etched on face Quench /Seal Cooling Chamber ASTM A48 Grey Iron rust primed 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 GMA Class 9 AISI 1045 steel GMA Class 9 AISI 1045 steel GMA Class 9 AISI 1045 steel Gears **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 SSPC/SP6 Sandblast Paint Standard Painting SSPC/SP6 Sandblast Paint SSPC/SP6 Sandblast Paint LobePro Silver 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.



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.

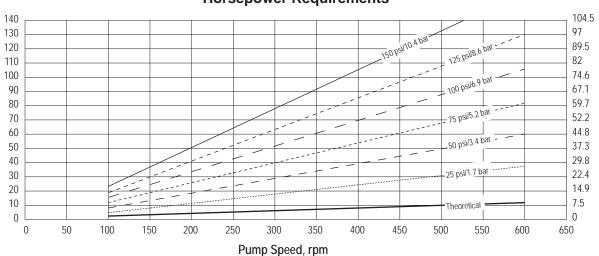


Capacity, m3/hr

Pump Shaft Input Kilowatts, kw

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

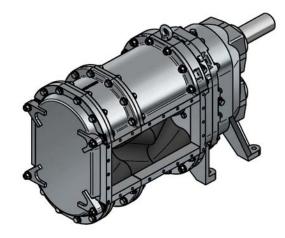
Horsepower Requirements





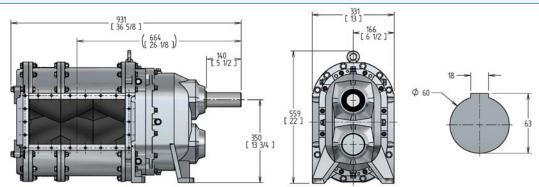
SPECIFICATIONS	US	Metric
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling	0-1,995 gpm 399 gal (US) 40 psi 3,857 in lbf 0-500 RPM 2.4" ANSI 16.5-150# ANSI 10" 797 lbs	0-453 m³/h 1,504 L 2.8 bar 436 N m 0-500 RPM 60 mm DN – PN 16 DN 200 359 kg
Spherical Compressible	3"	76 mm
Spherical Hard*	1/8"	3 mm
* Larger hard solids will pass through but may cause damage.		

Consult LobePro for further information. *Consult Factory for application temperature above 80°C (175°F).



Positive Displacement Rotary Lobe Pumps

MODEL >	SL399	CL399	DL399
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer Lobe Profile	NBR Opt. HNBR, FKM, EPDM or Eng. Rec. Helix	FKM or HNBR Opt. NBR, EPDM or Eng. Rec. Helix	FKM or HNBR Opt. NBR, EPDM or Eng. Rec. Helix
Number of lobe wings Core	Carbon Steel	Carbon Steel	Carbon Steel
Sealing Elastomers	54. 2 5.1 5.55.		04.201.01001
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	D	Ciliara Cartida	Townstee Cookids
Mechanical Seal Seal Holders	Duronit Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec Carbon Steel with Corrosion resistant coating	Silicon Carbide Opt. Tungsten Carbide or Engineer Rec.	Tungsten Carbide 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-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	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint
-	LobePro Blue	LobePro Silver	LobePro Silver

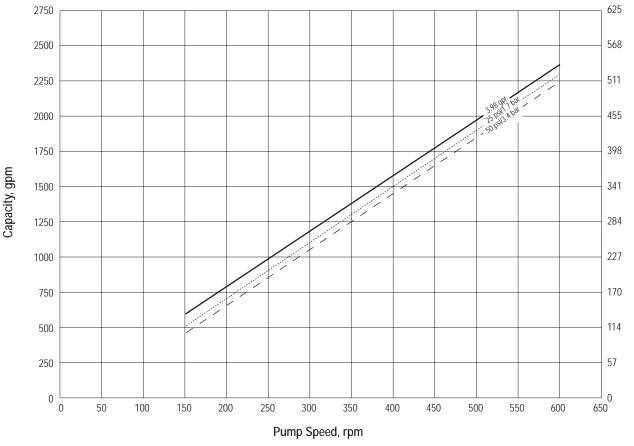


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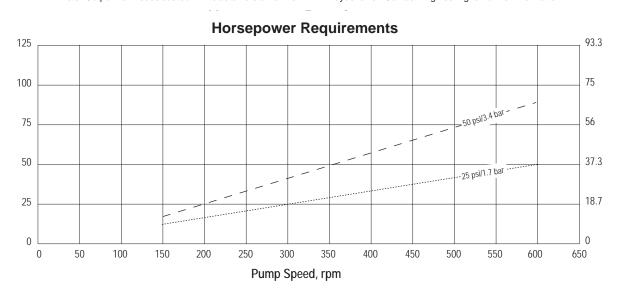
Performance Curve - NBR Lobes*

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



Capacity, m3/hr

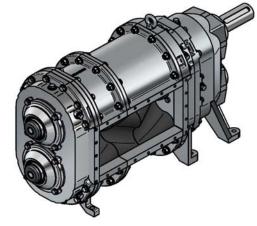
Pump Shaft Input Kilowatts, kw





L399h

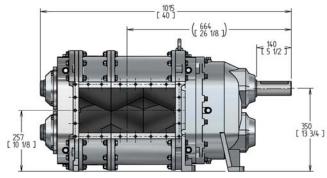
SPECIFICATIONS	US	Metric
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling	0-1,995 gpm 399 gal (US) 85 psi 3,857 in lbf 0-500 RPM 2.4" ANSI 16.5-150# ANSI 10" 890 lbs	0-453 m³/h 1,504 L 5.9 bar 436 N m 0-500 RPM 60 mm DN - PN 16 DN 200 401 kg
Spherical Compressible Spherical Hard*	3" 1/8"	76 mm 3 mm
* Larger hard solids will pass through but may cause damage.		

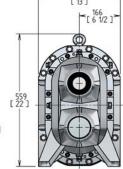


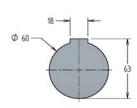
Positive Displacement Rotary Lobe Pumps

			<u> </u>
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 Core	4 Carbon Steel	4 Carbon Steel	4 Carbon Steel
Sealing Elastomers	Carbon Steel	Carbon Steel	Carbon Steel
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	FKM or Engineer Recommendation
Mechanical Seals	9	3	3
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 Grev Iron	ASTM A48 Grev Iron
<u></u>	,,,,,,,,,,,,,,	with PTFE / Ceramic Teflon etched on face	with PTFE / Ceramic Teflon etched on face
Pump Cover - DoorLh Assembly	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed
		with PTFE / Ceramic Teflon etched on face	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	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint
	LobePro Blue	LobePro Silver	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).



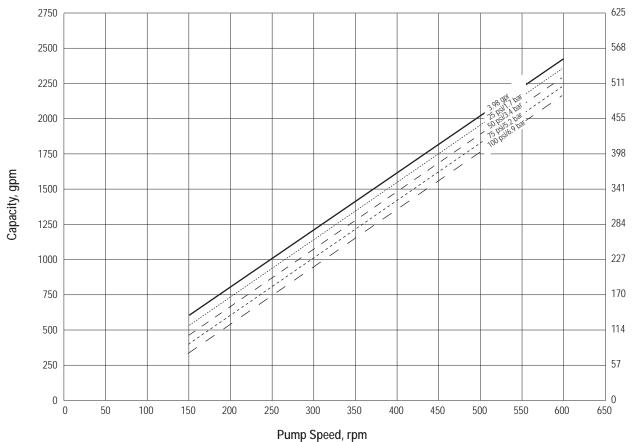




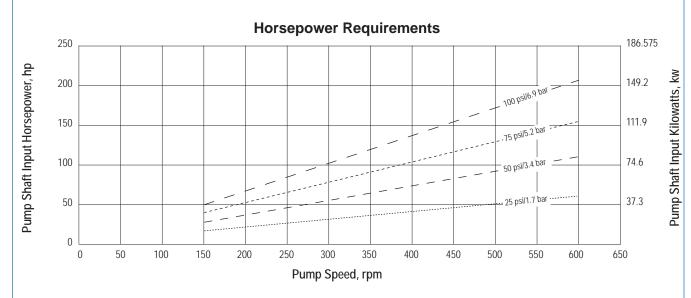


Performance Curve - NBR Lobes*

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



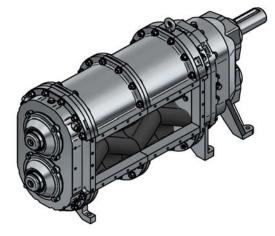
Capacity, m3/hr





L531h

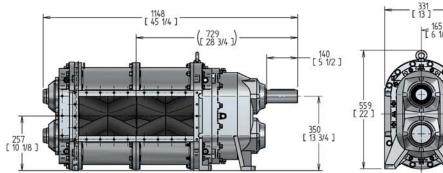
SPECIFICATIONS	US	Metric
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling Spherical Compressible Spherical Hard* *Larger hard solids will pass through, but may	0-2,655 gpm 531 gal (US) 70 psi 3,857 in lbf 0-500 RPM 2.4" ANSI 16.5-150# ANSI 10" 1,008 lbs 3" 1/8" cause damage.	0-603 m³/h 2,002 L 4.8 bar 436 N m 0-500 RPM 60 mm DN – PN 16 DN 200 454 kg 76 mm 3 mm

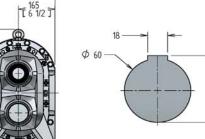


Positive Displacement Rotary Lobe Pumps

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 Core	4 Carbon Steel	Carbon Steel	4 Carbon Steel
Sealing Elastomers	Carbon Steel	Carbon Steel	Calbon Steel
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	C	· ·	S
Mechanical Seal	Duronit	Silicon Carbide	Tungsten Carbide
0 11111	Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec	c. Opt. Tungsten Carbide or Engineer Rec.	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	ASTM A48 Grey Iron
· ·	·	with PTFE / Ceramic Teflon etched on face	with PTFE / Ceramic Teflon etched on face
Pump Cover - DoorLh Assembly	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed	ASTM A48 Grey Iron rust primed
NON WETTER DARKS		with PTFE / Ceramic Teflon etched on face	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	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint
	LobePro Blue	LobePro Silver	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).

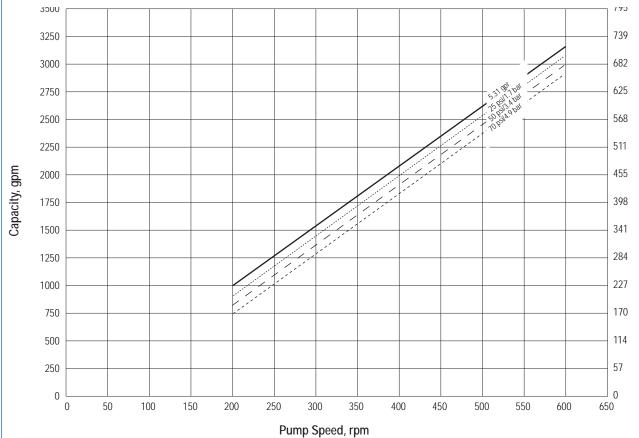




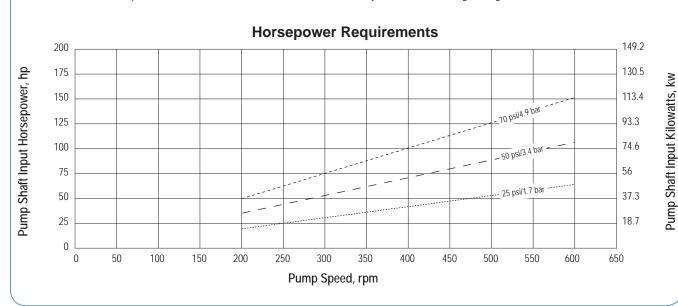


Performance Curve - NBR Lobes*

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



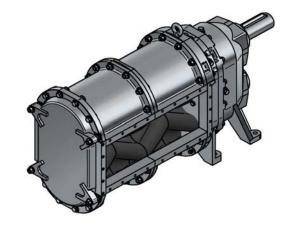
Capacity, m3/hr





L531

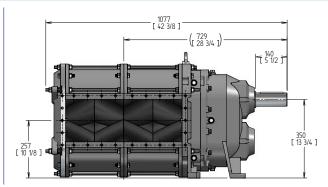
SPECIFICATIONS	US	Metric
Rated Capacity: Displacement (per 100 revolutions): Maximum Continuous Pressure: Starting Torque: Rated Speed: Shaft Diameter: Flange Connection Class: Flange Connection Size: Weight: Solids Handling Spherical Compressible Spherical Hard' *Larger hard solids will pass through, but may c	0-2,655 gpm 531 gal (US) 30 psi 3,857 in lbf 0-500 RPM 2.4" ANSI 16.5-150# ANSI 10" 913 lbs 3" 1/8" ause damage.	0-603 m³/h 2,002 L 2.1 bar 436 N m 0-500 RPM 60 mm DN – PN 16 DN 200 411 kg 76 mm 3 mm



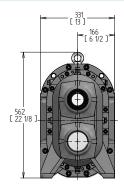
Positive Displacement Rotary Lobe Pumps

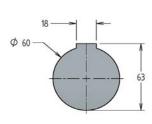
(MODEL >	SL531	CL531	DL531
Service	Sludge, Mud and Slurries*	Chemical/Corrosive	Oil, Gas & Abrasives
WETTED PARTS			
Rotary Lobes			
Elastomer	NBR Opt. HNBR, FKM, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.	FKM or HNBR Opt. NBR, EPDM or Eng. Rec.
Lobe Profile	Helix	Helix	Helix
Number of lobe wings Core	4 Carbon Steel	4 Carbon Steel	4 Carbon Steel
Sealing Elastomers	Carbon Steel	Carbon Steel	Carbon Steel
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
	Opt. Tungsten Carbide, Silicon Carbide, or Eng. Rec Carbon Steel with Corrosion resistant coating	c. Opt. Tungsten Carbide or Engineer Rec.	Opt. Silicon Carbide or Engineer Rec.
Seal Holders	=		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	ASTM A48 Grev Iron
		with PTFE / Ceramic Teflon etched on face	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	7 IOT TO THOS OLD I	7 IIO 11 10 7 IIIO Y OLOGI	Alor II To Alloy otool
Standard Painting	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint	SSPC/SP6 Sandblast Paint
Standard Familing	LobePro Blue	LobePro Silver	LobePro Silver
	LODEPIO Blue	FODELIO Plinei	Fodelio Silvei

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).

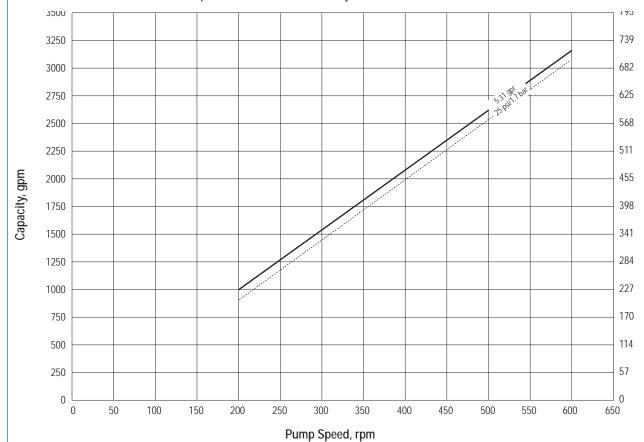




L531 CURVES

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.



Capacity, m3/hr

