VIKING® HEAVY DUTY PUMPS

SERIES 127 AND 4127
STAINLESS STEEL CONSTRUCTION

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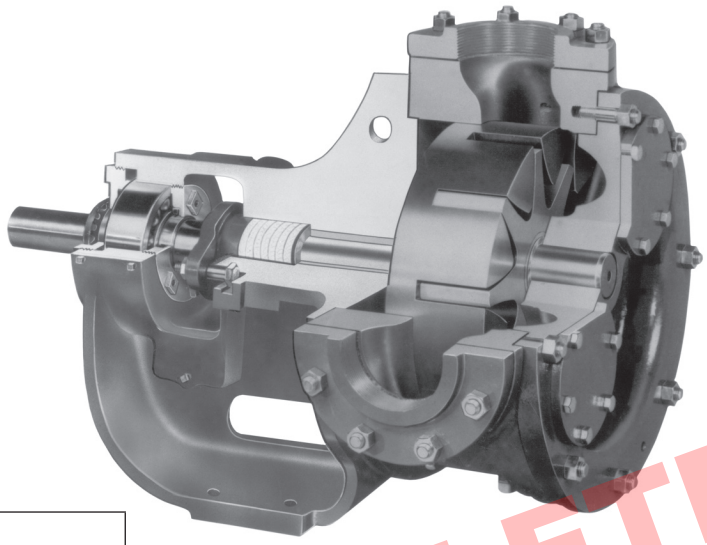
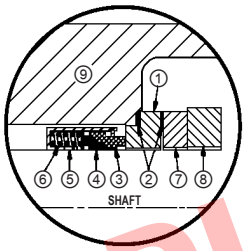
FEATURES

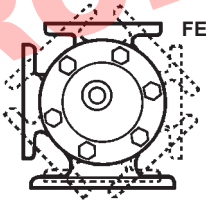


SERIES 127 Pumps
Cutaway View—(Packed Type)
160-200-280 GPM Sizes
(36-45-64 m³/hr)
Shown without over-pressure relief valve

MECHANICAL SEAL (SERIES 4127)
"LS", "Q" and "M" SIZES



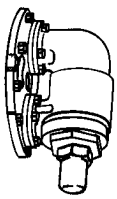
① Stellite Stationary Seat
② Seat Gaskets PTFE
③ Carbon Rotating Face (Washer)
④ PTFE
⑤ 316 Stainless Steel Metal Parts
⑥ 316 Stainless Steel Springs
⑦ 316 Stainless Steel Seal Holder
⑧ 316 Stainless Steel Seal Plate
⑨ Pump Bracket



FEATURES

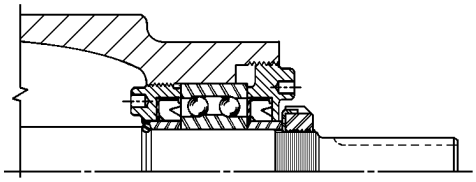
REVOLVABLE PUMP CASING (Standard Equipment)

All Series 127 and 4127 pumps are equipped with pump casings that can be turned to eight positions. This allows ports to easily match piping. Relief valve must point to suction port in all cases.



OVER-PRESSURE RELIEF VALVE (Standard Equipment)

Valve permits bypassing of liquids and prevents excessive pressures in the discharge line. If reversing pump, remove valve and turn end for end. Relief valve must point to suction port in all cases. All valves set at 50 lbs. unless otherwise requested. If Viking over-pressure relief valve is not used, pumping system should include some form of over-pressure protection, e.g., valve in discharge line, torque limiting devices, rupture discs, etc.



POSITIVE-LOCK THRUST CONTROL

Series 127 and 4127 pumps are manufactured with positive-lock thrust control for accurate axial positioning of rotor and shaft. Illustration shows bearing and double end cap arrangement.

① Pressure Range	50 PSI (3 BAR) for 38 to 100 SSU (4 to 21 cSt)
	100 PSI (7 BAR) for 100 to 2,500 SSU (21 to 540 cSt)
	125 PSI (9 BAR) for 2,500 SSU (540 cSt) and above
① Temperature Range	-20°F. to +500°F. (-29°C. to +260°C.)
① Viscosity Range	28 SSU to 2,000,000 SSU (0.1 cP to 440,000 cSt)

GPM 160-200-280
(m³/hr 36-45-64)

② (Nominal Rating)

For tough pumping applications that require 316 Stainless Steel, these proven heavy-duty pumps can do the job. Their rugged construction provides long life and peak, trouble-free operation for the chemical, petrochemical, food and other process industries, as well as in general industry. They are an excellent choice for handling fructose and other syrups.

They are furnished as standard with packed type (Series 127) or mechanical seal (Series 4127) construction, to minimize liquid loss and for shaft protection. The positive-lock thrust control provides micrometer adjustments for accurate rotor and shaft positioning to help you keep operating with new-pump efficiency through years of heavy-duty service.

The smooth positive displacement action of our "gear-within-a-gear" rotor and idler combination delivers a cushioned positive flow and low-shear transmission of your liquid year after year without foaming or churning.

Series 4127 mechanical seal pumps can handle a wide variety of liquids with viscosities up to 25,000 SSU. Special seals are available for higher viscosities. Consult the factory for details.

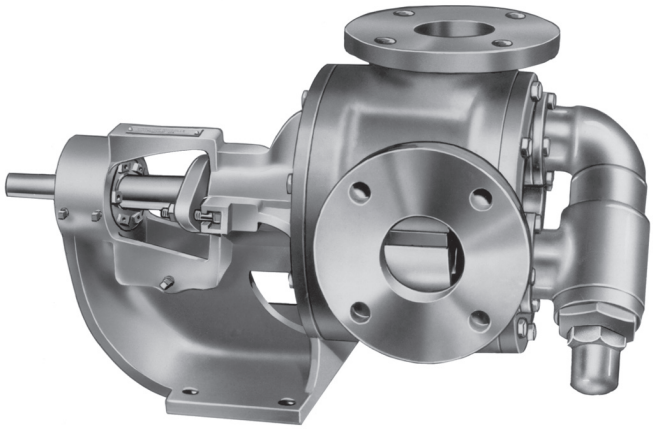
① Values shown represent minimums or maximums. Some special construction or consideration may be required before a cataloged pump can be applied to an application involving maximum pressure or minimum or maximum temperature and/or viscosity. Certain models have restrictions in pressures and/or viscosities. See specifications, page 161.4, and performance curves.

② Nominal capacities based on handling thin liquids at low pressures.

Metric conversions are based on US measurements and rounded to the nearest whole number.

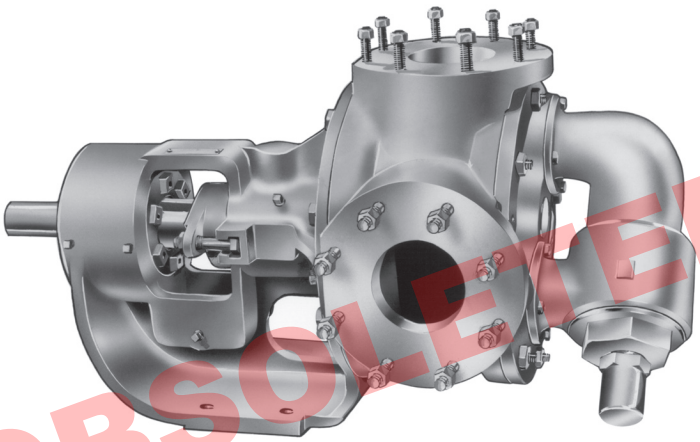
VIKING® HEAVY DUTY PUMPS
SERIES 127 AND 4127
STAINLESS STEEL CONSTRUCTION

UNMOUNTED PUMPS



SERIES 127 and 4127 Pumps
"LS" Size

SERIES 127 and 4127 Pumps
"Q" and "M" Sizes



This series of heavy-duty pumps is available either unmounted or mounted units as shown on following pages. In the Series 4127 the standard seal is a PTFE type with carbon rotating and corrosion resistant stationary faces. High quality type 316 Stainless Steel is provided on wetted parts which come in contact with the pumped product. The integral thrust bearing is designed to handle heavy-duty pumping jobs without problems of end play and distortion. For increased versatility of installation and complete selection of ports, the pump casing is designed so it can be rotated on the bracket to any 45° or 90° angle from that shown in the illustrations. See revolvable casing feature on Page 161.1. Overpressure relief valve on head is standard for this series. To permit use of this type pump in a greater range of application, these pumps are available with jacketed heads. For heavy-duty pumps, stainless steel with jacketed bracket and head, see Catalog Section 162.

Dimensions for Unmounted Pumps—See Page 161.8.

Performance Data for Unmounted Pumps—See Pages 161.13 through 161.22.

CONSTRUCTION — SERIES 127 AND ① 4127 ("LS", "Q" AND "M" SIZES)

Pump Construction	Casing	Head	Bracket	Rotor	Idler	Rotor Shaft	Idler Pin	Shaft Sealing		Internal Relief Valve
								Packed	Mechanical Seal	
316 Stainless	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Coated Stainless Steel	Standard	Stainless Steel - PTFE with Carbon Graphite and Corrosion-Resistant Material	Stainless Steel

SPECIFICATIONS — SERIES 127 AND ① 4127 UNMOUNTED PUMPS

Model Number		150 lb. ANSI Flange Port Size	⑤ Nominal Pump Rating		Motor HP Required At Rated Speed Pumping 100 SSU Liquid		Maximum Hydrostatic Pressure	⑥ Maximum Recommended Discharge Pressure Handling 100 SSU Liquid At Rated Speeds	③ Maximum Recommended Temperature for Cataloged Pump °F. (°C.)		Approximate Shipping Weight With Valve
Packed	① Mech. Seal	② Inches	GPM (m^3/hr)	RPM	50 PSI (3 BAR)	100 PSI (7 BAR)	PSIG (BAR)	PSIG	Packed	④ Mech. Seal	Pounds (KG)
LS127	LS4127	3	160 (36)	520	7½	15	400 (28)	100	225 (107)	225 (107)	190 (86)
Q127	Q4127	4	200 (45)	350	10	20	400 (28)	100	275 (125)	275 (125)	440 (200)
M127	M4127	4	280 (64)	280	15	25	400 (28)	100	275 (125)	275 (125)	600 (272)

① For mechanical seal pumps on applications with viscosities above 25,000 SSU (5,500 cSt), provide details for recommendation.
② Ports are suitable for use with 150# ANSI stainless steel companion flanges or flanged fittings.
③ Special adjustment or construction may be required for higher temperatures.
④ Standard seal can be used from -20°F. to +450°F. With special construction, higher temperatures can be handled with this series pumps.
⑤ Nominal rating based on handling thin liquids.
⑥ For maximum recommended discharge pressures when handling other viscosities and/or other speeds, see performance curves. Performance curves also show preferred constructions. If suction pressure exceeds 50 PSIG (3 BAR), consult factory.

Metric conversions are based on US measurements and rounded to the nearest whole number.

VIKING® HEAVY DUTY PUMPS

SERIES 127 AND 4127
STAINLESS STEEL CONSTRUCTION

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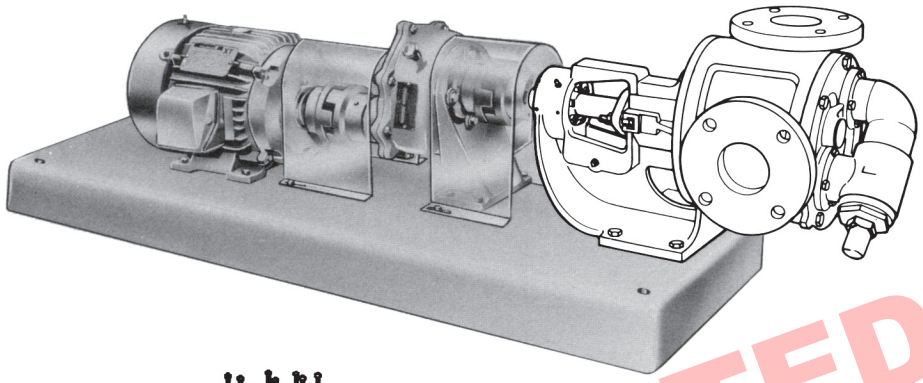
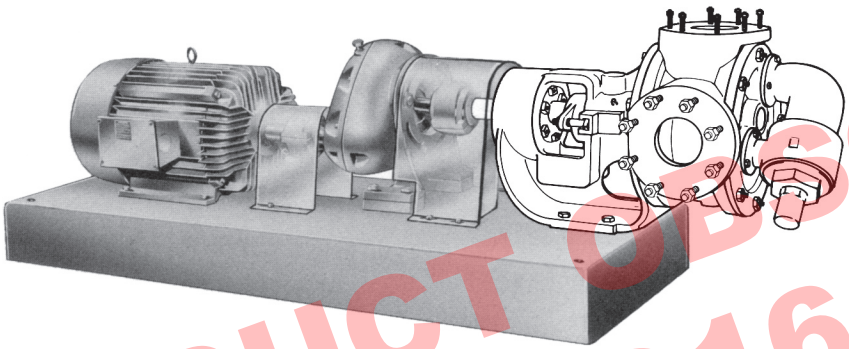
VIKING HELICAL GEAR REDUCTION UNITS ("R" DRIVE)

SERIES 127 and 4127 Pumps
with "R" Drive "B" Reducer
(Shown with "LS" size pump)





SERIES 127 and 4127 Pumps
with "R" Drive "C" Reducer
(Shown with "Q" or "M" size pump)

Viking's heavy-duty pump Series 127 and 4127 are available with helical gear reducers that have been specifically developed for efficient operation with Viking heavy-duty pumps. These gear reducers are rugged, compact and exceptionally quiet.

The medium size "B" helical gear reducer is available with six gear ratios from 2.76 to 1 to 7.65 to 1. This size normally is used with the "LS" pump size. The "B" reducer is bracket mounted and requires couplings on both the input and the output shafts. With the "B" reducer, "LS" pumps driven by 1200 or 1800 RPM motors can be used to cover a capacity range from 41 to 165 GPM.

The large "C" size reducer also is available with six gear ratios from 2.80 to 1 to 7.95 to 1. It is normally used with the "Q" or "M" size pumps. Like the "B" reducer, the "C" reducer is bracket mounted and requires flexible couplings both for the input and output shafts. With the "C" reducer, "LS", "Q" and "M" size pumps, driven by 1200 or 1800 RPM motors, can cover a capacity range from 37 to 257 GPM.

Dimensions for "R" Drive Units— See Pages 161.8 and 161.9.
Performance Data for "R" Drive Units—See Pages 161.13 through 161.22.

SPECIFICATIONS — "R" DRIVE UNITS

Model Number		150 lb. ANSI Flange Port Size	⑤ Nominal Pump Rating		Motor HP Required At Rated Speed Pumping 100 SSU Liquid		Maximum Hydrostatic Pressure	⑥ Maximum Recommended Discharge Pressure Handling 100 SSU Liquid At Rated Speeds	③ Maximum Recommended Temperature for Cataloged Pump °F. (°C.).		Approximate Shipping Weight With Valve (Less Power) Pounds (KG)	
Packed	① Mech. Seal	② Inches	GPM (m^3/hr)	RPM	50 PSI (3 BAR)	100 PSI (7 BAR)	PSIG (BAR)	PSIG	Packed	④ Mech. Seal	"B" Reducer	"C" Reducer
LS127R	LS4127R	3	160 (36)	520	7½	15	400 (28)	100	225 (107)	225 (107)	490 (222)	700 (86)
Q127R	Q4127R	4	200 (45)	350	10	20	400 (28)	100	275 (125)	275 (125)	. . . .	1000 (200)
M127R	M4127R	4	280 (64)	280	15	25	400 (28)	100	275 (125)	275 (125)	. . . .	1140 (272)

① For mechanical seal pumps on applications with viscosities above 25,000 SSU (5,500 cSt), provide details for recommendation.
② Ports are suitable for use with 150# ANSI stainless steel companion flanges or flanged fittings.
③ Special adjustment or construction may be required for higher temperatures.
④ Standard seal can be used from -20°F. to +450°F. With special construction, higher temperatures can be handled with this series pumps.
⑤ Nominal rating based on handling thin liquids.
⑥ For maximum recommended discharge pressures when handling other viscosities and/or other speeds, see performance curves. Performance curves also show preferred constructions. If suction pressure exceeds 50 PSIG (3 BAR), consult factory.

Metric conversions are based on US measurements and rounded to the nearest whole number.

VIKING® HEAVY DUTY PUMPS
SERIES 127 AND 4127
STAINLESS STEEL CONSTRUCTION

VIKING HELICAL GEAR REDUCER UNITS ("R" DRIVE)

HELICAL REDUCER SPECIFICATIONS AND PUMP CAPACITY TABLE — "B" SIZE

Motor RPM	Reducer Ratio	① Maximum Motor HP	Pump RPM	Pump Models and Capacity GPM ② with Size "B" Reducer LS127R or LS4127R
				50 PSI (3 BAR)
1800	3.40 to 1	10	520	165
	4.19 to 1	10	420	132
	5.06 to 1	7½	350	109
	6.27 to 1	7½	280	85
	7.65 to 1	5	230	65
1200	2.76 to 1	10	420	132
	3.40 to 1	10	350	109
	4.19 to 1	7½	280	85
	5.06 to 1	7½	230	65
	6.27 to 1	5	190	51
	7.65 to 1	5	155	41

HELICAL REDUCER SPECIFICATIONS AND PUMP CAPACITY TABLE — "C" SIZE

Motor RPM	Reducer Ratio	① Maximum Motor HP	Pump RPM	Pump Models and Capacity GPM ② with Size "C" Reducer				
				LS127R or LS4127R	Q127R or Q4127R		M127R or M4127R	
				100 PSI (7 BAR)	50 PSI (3 BAR)	100 PSI (7 BAR)	50 PSI (3 BAR)	75 PSI (5 BAR)
1800	3.31 to 1	35	520	162	. . . .	. . . .	. . . .	. . . .
	4.21 to 1	30	420	129	. . . .	. . . .	. . . .	. . . .
	5.08 to 1	25	350	106	190	188	. . . .	. . . .
	6.24 to 1	20	280	83	145	140	257	250
	7.95 to 1	15	230	64	115	110	205	200
1200	2.80 to 1	30	420	129	. . . .	. . . .	. . . .	. . . .
	3.31 to 1	25	350	106	190	188	. . . .	. . . .
	4.21 to 1	20	280	83	145	140	257	250
	5.08 to 1	15	230	64	115	110	205	200
	6.24 to 1	10	190	50	89	84	160	153
	7.95 to 1	10	155	37	64	60	122	115

① Recommended maximum motor horsepower based on 8-10 hour per day service (Service Factor of 1.0). For other time length of service per day, see Service Factor table and Reducer Horsepower tables in General Catalog Section 610 or Technical Service Manual (TSM-610) to determine reducer capabilities.

② Capacities are based on handling 100 SSU liquid.

Metric conversions are based on US measurements and rounded to the nearest whole number.

OUTSTANDING FEATURES

1. Mounts NEMA standard motors, 1200 or 1800 RPM. 10 HP, 1800 RPM maximum with "B" reducer, and 40 HP, 1800 RPM maximum with "C" reducer.
2. Complete reducers within a size may be interchanged on a Viking pump unit to obtain desired pump speeds and capacities. Thus the six gear ratios within the "B" size reducer may be interchanged within the size by selecting the proper pinion and gear of a common ratio. Similarly, all six "C" reducers are interchangeable on each respective series of "C" reducer units.
3. Quiet operation. High hardness helical gears run in a bath of oil.
4. Compact, narrow and low to fit in small space and low overhead.
5. Pump, motor or reducer can be removed without disturbing the other two components.
6. Units with "B" and "C" reducers have standard flexible coupling with guard between power and reducer as well as between reducer and pump.
7. Oil and weather tight for outdoor service.
8. Ball bearings throughout.
9. Reducers easily adjustable to different motor center heights.
10. Self-supported. Not hung on pump or motor shafts. No radial load on pump or motor shafts.
11. "B" reducers have 1" dia., ¼" key input shaft and 1⅛" dia., ¼" key output shaft and "C" reducers have 1⅜" dia., 5⁄16" key input and output shafts.

VIKING® HEAVY DUTY PUMPS

SERIES 127 AND 4127
STAINLESS STEEL CONSTRUCTION

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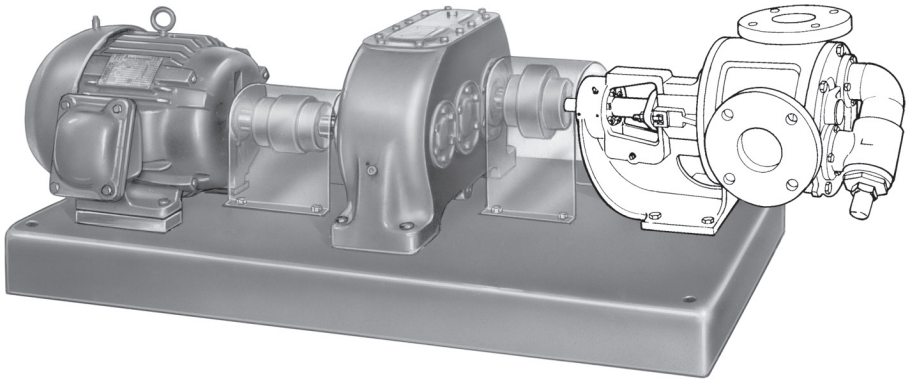
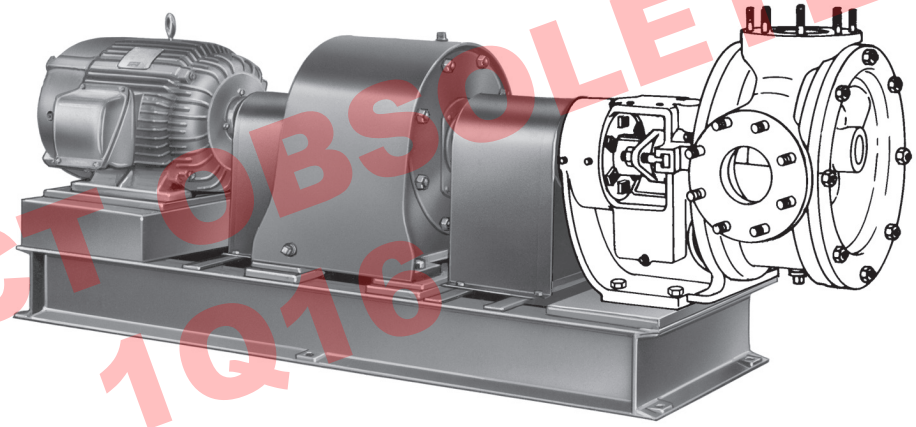
GEAR REDUCER UNITS ("P" DRIVE)



SERIES 127 and 4127 Pumps
with "P" Drive
"LS" Size



SERIES 127 and 4127 Pumps
with "P" Drive
"Q" and "M" Sizes
Shown without over-pressure relief valve

Viking's Heavy-Duty Series 127 and 4127 packed and mechanical seal pumps in "LS", "Q" and "M" sizes (160 to 280 GPM) are available in the "P" drive arrangement.

These Heavy-Duty units are mounted on formed steel bases ("LS" size) and structural or formed steel bases ("Q" and "M" sizes) as illustrated above.

All mount separate heavy-duty reducers with flexible couplings between pump, reducer and motor. Coupling guards as illustrated are standard construction. See below for specifications and motor horsepower range.

Dimensions for "P" Drive Units — Consult Factory.

Performance Data for "P" Drive Units — See Pages 161.13 through 161.22.

SPECIFICATIONS — "P" DRIVE UNITS

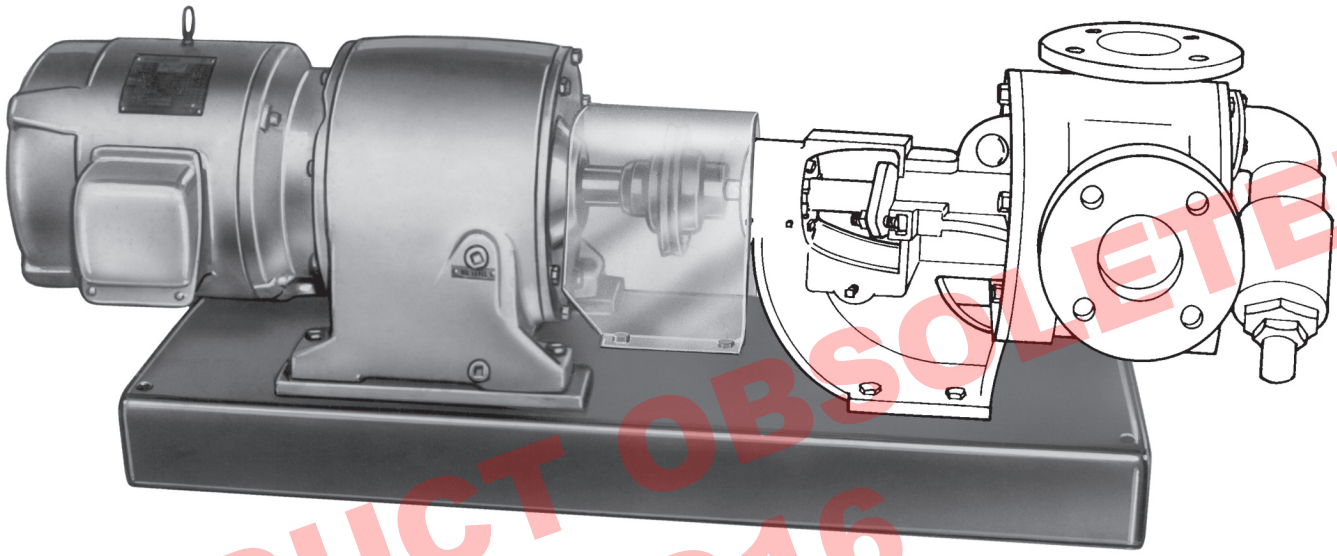
Model Number		150 lb. ANSI Flange Port Size	⑤ Nominal Pump Rating		Motor HP Required At Rated Speed Pumping 100 SSU Liquid		Maximum Hydrostatic Pressure	⑥ Maximum Recommended Discharge Pressure Handling 100 SSU Liquid At Rated Speeds	③ Maximum Recommended Temperature for Cataloged Pump °F. (°C.)		Approximate Shipping Weight With Valve (Less Power)
Packed	① Mech. Seal	② Inches	GPM (m^3/hr)	RPM	50 PSI (3 BAR)	100 PSI (7 BAR)	PSIG (BAR)	PSIG	Packed	④ Mech. Seal	Pounds (KG)
LS127P	LS4127P	3	160 (36)	520	7½	15	400 (28)	100	225 (107)	225 (107)	483 (219)
Q127P	Q4127P	4	200 (45)	350	10	20	400 (28)	100	275 (125)	275 (125)	830 (377)
M127P	M4127P	4	280 (64)	280	15	25	400 (28)	100	275 (125)	275 (125)	966 (439)

① For mechanical seal pumps on applications with viscosities above 25,000 SSU (5,500 cSt), provide details for recommendation.
② Ports are suitable for use with 150# ANSI stainless steel companion flanges or flanged fittings.
③ Special adjustment or construction may be required for higher temperatures.
④ Standard seal can be used from -20°F. to +450°F. With special construction, higher temperatures can be handled with this series pumps.
⑤ Nominal rating based on handling thin liquids.
⑥ For maximum recommended discharge pressures when handling other viscosities and/or other speeds, see performance curves. Performance curves also show preferred constructions. If suction pressure exceeds 50 (3 BAR) PSIG, consult factory.

Metric conversions are based on US measurements and rounded to the nearest whole number.

VIKING® HEAVY DUTY PUMPS
SERIES 127 AND 4127
STAINLESS STEEL CONSTRUCTION

DIRECT DRIVE UNITS ("D" DRIVE)



SERIES 127 and 4127 Pumps
with "D" Drive
"LS", "Q" and "M" Sizes
("LS" size shown)

The Direct Drive "D" mounting is specifically designed for compactness and quietness of operation. They save space, installation and operating costs. In this type assembly the pump is mounted on one end of a rectangular formed steel base and connected to a gearhead motor by means of a flexible coupling with guard.

Dimensions for "D" Drive Units—See Page 161.9.
Performance Data for "D" Drive Units—See Pages 161.13 through 161.22.

SPECIFICATIONS — "D" DRIVE UNITS

Model Number		150 lb. ANSI Flange Port Size	⑤ Nominal Pump Rating		Motor HP Required At Rated Speed Pumping 100 SSU Liquid		Maximum Hydrostatic Pressure	⑥ Maximum Recommended Discharge Pressure Handling 100 SSU Liquid At Rated Speeds	③ Maximum Recommended Temperature for Cataloged Pump °F. (°C.)		Approximate Shipping Weight With Valve (Less Power)
Packed	① Mech. Seal	② Inches	GPM (m^3/hr)	RPM	50 PSI (3 BAR)	100 PSI (7 BAR)	PSIG (BAR)	PSIG	Packed	④ Mech. Seal	Pounds (KG)
LS127D	LS4127D	3	160 (36)	520	7½	15	400 (28)	100	225 (107)	225 (107)	415 (188)
Q127D	Q4127D	4	200 (45)	350	10	20	400 (28)	100	275 (125)	275 (125)	820 (372)
M127D	M4127D	4	280 (64)	280	15	25	400 (28)	100	275 (125)	275 (125)	980 (445)

① For mechanical seal pumps on applications with viscosities above 25,000 SSU (5,500 cSt), provide details for recommendation.
② Ports are suitable for use with 150# ANSI stainless steel companion flanges or flanged fittings.
③ Special adjustment or construction may be required for higher temperatures.
④ Standard seal can be used from -20°F. to +450°F. With special construction, higher temperatures can be handled with this series pumps.
⑤ Nominal rating based on handling thin liquids.
⑥ For maximum recommended discharge pressures when handling other viscosities and/or other speeds, see performance curves. Performance curves also show preferred constructions. If suction pressure exceeds 50 PSIG (3 BAR), consult factory.

Metric conversions are based on US measurements and rounded to the nearest whole number.

VIKING® HEAVY DUTY PUMPS

SERIES 127 AND 4127
STAINLESS STEEL CONSTRUCTION

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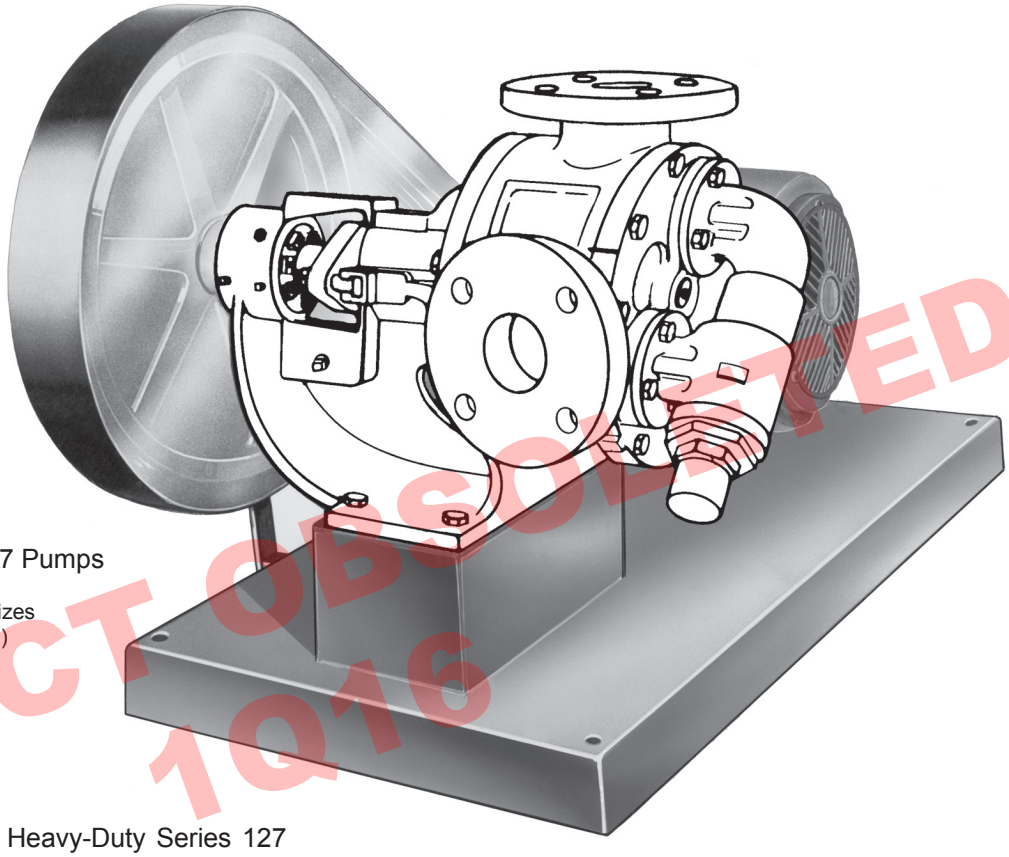
V-BELT DRIVE UNITS ("V" DRIVE)



SERIES 127 and 4127 Pumps
with "V" Drive
"LS", "Q" and "M" Sizes
("LS" size shown)

Viking's V-belt driven line of Heavy-Duty Series 127 and 4127 pumps are all mounted on formed welded steel bases. Pumps mount on pads to accept totally enclosed V-belt drive. All units in this series feature standard pump shaft extension with totally guarded sheave mounted on end of heavy-duty pump shaft.

Dimensions for "V" Drive Units—See Page 161.10.
Performance Data for "V" Drive Units—See Pages 161.13 through 161.22.

SPECIFICATIONS — "V" DRIVE UNITS

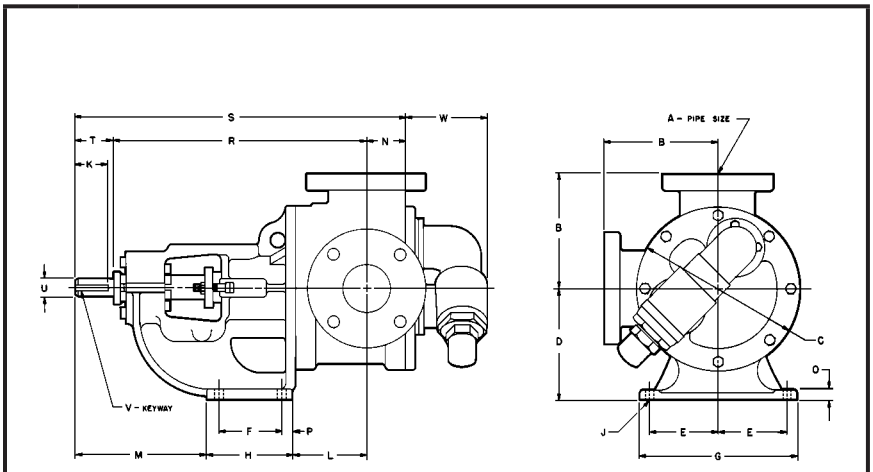
Model Number		150 lb. ANSI Flange Port Size	⑤ Nominal Pump Rating		Motor HP Required At Rated Speed Pumping 100 SSU Liquid		Maximum Hydrostatic Pressure	⑥ Maximum Recommended Discharge Pressure Handling 100 SSU Liquid At Rated Speeds	③ Maximum Recommended Temperature for Cataloged Pump °F. (°C.)		Approximate Shipping Weight With Valve (Less Power)	
Packed	① Mech. Seal	② Inches	GPM (m^3/hr)	RPM	50 PSI (3 BAR)	100 PSI (7 BAR)	PSIG (BAR)	PSIG	Packed	④ Mech. Seal	Pounds (KG)	
LS127V	LS4127V	3	160 (36)	520	7½	15	400 (28)	100	225 (107)	225 (107)	375	(170)
Q127V	Q4127V	4	200 (45)	350	10	20	400 (28)	100	275 (125)	275 (125)	986	(448)
M127V	M4127V	4	280 (64)	280	15	25	400 (28)	100	275 (125)	275 (125)	1138	(517)

① For mechanical seal pumps on applications with viscosities above 25,000 SSU (5,500 cSt), provide details for recommendation.
② Ports are suitable for use with 150# ANSI stainless steel companion flanges or flanged fittings.
③ Special adjustment or construction may be required for higher temperatures.
④ Standard seal can be used from -20°F. to +450°F. With special construction, higher temperatures can be handled with this series pumps.
⑤ Nominal rating based on handling thin liquids.
⑥ For maximum recommended discharge pressures when handling other viscosities and/or other speeds, see performance curves. Performance curves also show preferred constructions. If suction pressure exceeds 50 PSIG (3 BAR), consult factory.

Metric conversions are based on US measurements and rounded to the nearest whole number.

VIKING® HEAVY DUTY PUMPS
SERIES 127 AND 4127
STAINLESS STEEL CONSTRUCTION

DIMENSIONS
These dimensions are average and not for construction purposes. Certified prints on request.

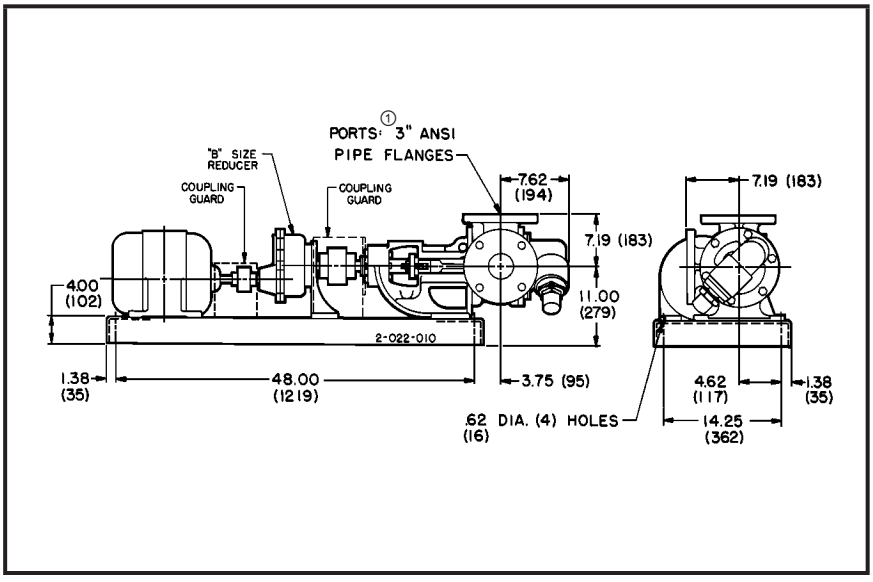


For specifications, see page 161.2.

DIMENSIONS— SERIES 127 AND 4127 UNMOUNTED PUMPS

① Ports are suitable for use with 150# ANSI stainless steel companion flanges or flanged fittings.

MODEL NO. PACKED	MODEL NO. SEAL	① A		B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U	V	W
LS127	LS4127	3	in	7.19	10.25	7.00	4.38	4.00	10.00	5.38	.53	3.25	4.75	9.12	2.44	.62	.62	15.75	21.69	3.50	1.438	.38 x .19	5.19
			mm	183	260	178	111	102	254	137	13	83	121	232	62	16	16	400	551	89	36.51	9.53 x 4.76	132
Q127	Q4127	4	in	8.25	14.00	8.75	4.12	4.00	10.00	6.00	.69	4.38	6.62	11.12	3.00	.75	1.00	19.25	26.75	4.50	1.938	.50 x .25	8.19
			mm	210	356	222	105	102	254	152	18	111	168	282	76	19	25	489	679	114	49.21	12.70 x 6.35	208
M127	M4127	4	in	9.50	17.25	10.00	5.00	6.00	12.00	8.50	.69	4.00	7.75	8.12	4.00	1.00	1.50	20.12	28.38	4.25	1.938	.50 x .25	8.50
			mm	241	438	254	127	152	305	216	18	102	197	206	102	25	38	511	721	108	49.21	12.70 x 6.35	216



For specifications, see pages 161.3. and 161.4.

DIMENSIONS — SERIES 127 AND 4127 (“R” DRIVE) “LS” SIZE PUMP “B” SIZE REDUCER UNITS

① Ports are suitable for use with 150# ANSI stainless steel companion flanges or flanged fittings.

NOTE: Units available to accept 10 HP, 1200 RPM maximum motor.

NOTE: Motor rails 2” high are required on “LS” size units with 184-T or 4½” center height motors.

VIKING® HEAVY DUTY PUMPS

SERIES 127 AND 4127
STAINLESS STEEL CONSTRUCTION

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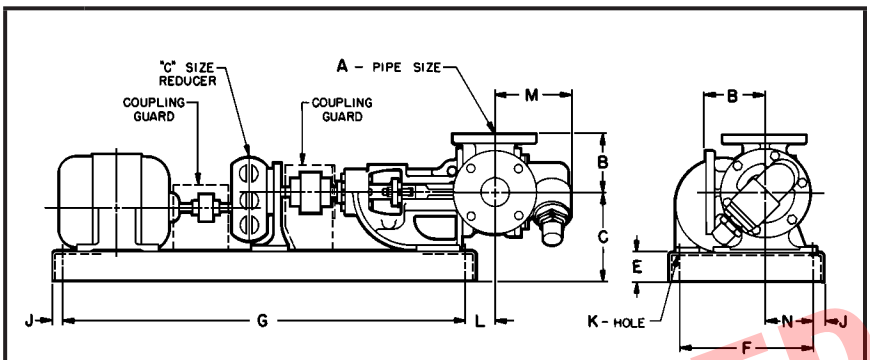
DIMENSIONS

These dimensions are average and not for construction purposes. Certified prints on request.

For specifications, see pages 161.3 through 161.4.

DIMENSIONS — SERIES 127 AND 4127 ("R" DRIVE) "LS", "Q" AND "M" SIZE PUMPS "C" SIZE REDUCER UNITS

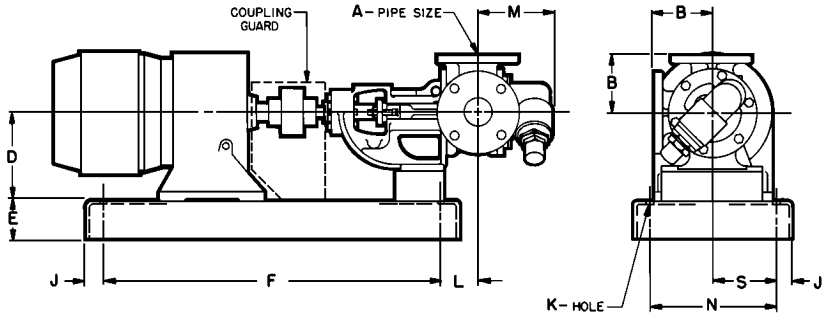


MODEL NUMBER		①											
PACKED	SEAL	A		B	C	E	F	G	J	K	L	M	N
LS127R	LS4127R	3	in	7.19	13.75	6.00	19.75	59.50	1.50	.69	1.38	7.62	5.75
			mm	183	349	152	502	1511	38	18	35	194	146
Q127R	Q4127R	4	in	8.25	14.75	6.00	19.75	59.50	1.50	.69	5.88	11.19	5.75
			mm	210	375	152	502	1511	38	18	73	284	146
M127R	M4127R	4	in	9.50	16.00	6.00	19.75	59.50	1.50	.69	6.50	12.50	5.75
			mm	241	406	152	502	1511	38	18	89	318	146

① Ports are suitable for use with 150# ANSI stainless steel companion flanges or flanged fittings.

For specifications, see page 161.6.

DIMENSIONS — SERIES 127 AND 4127 ("D" DRIVE) "LS", "Q" AND "M" SIZE PUMPS DIRECT CONNECTED UNITS



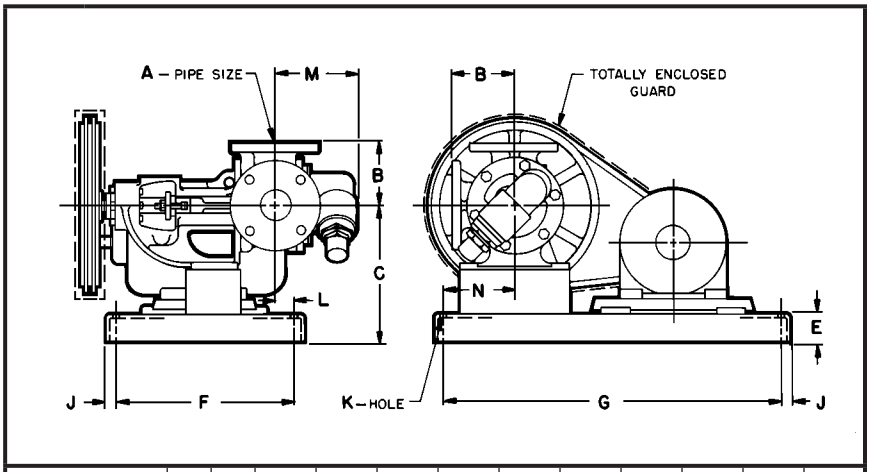
MODEL NUMBER		①			②								
PACKED	SEAL	A		B	D	E	F	J	K	L	M	N	S
LS127D	LS4127D	3	in	7.19		4.00	39.00	1.38	.62	4.75	7.62	16.00	8.00
			mm	183		102	991	35	16	121	194	406	203
Q127D	Q4127D	4	in	8.25		6.00	59.50	1.50	.69	2.75	11.19	19.75	9.88
			mm	210		152	1511	38	18	70	284	502	251
M127D	M4127D	4	in	9.50		6.00	59.50	1.50	.69	3.88	12.50	19.75	9.88
			mm	241		152	1511	38	18	99	318	502	251

① Ports are suitable for use with 150# ANSI stainless steel companion flanges or flanged fittings.

② Varies with gearmotor used.

VIKING® HEAVY DUTY PUMPS
SERIES 127 AND 4127
STAINLESS STEEL CONSTRUCTION

DIMENSIONS
These dimensions are average and not for construction purposes. Certified prints on request.



MODEL NUMBER		①											
PACKED	SEAL	A		B	C	E	F	G	J	K	L	M	N
LS127V	LS4127V	3	in	7.19	15.31	3.25	17.00	28.75	1.00	.50	1.06	7.62	5.25
			mm	183	389	83	432	730	25	13	27	194	133
Q127V	Q4127V	4	in	8.25	21.25	6.00	21.00	49.00	1.50	.81	2.75	11.19	8.50
			mm	210	540	152	533	1245	38	21	70	284	216
M127V	M4127V	4	in	9.50	22.50	6.00	21.00	49.00	1.50	.81	2.12	12.50	8.50
			mm	241	572	152	533	1245	38	21	54	318	216

For specifications, see page 161.7.

DIMENSIONS — SERIES 127 AND 4127 ("V" DRIVE) "LS", "Q" AND "M" SIZE PUMPS V-BELT DRIVE UNITS

① Ports are suitable for use with 150# ANSI stainless steel companion flanges or flanged fittings.

② Base dimensions correct through frame 215-T motors and 19" OD sheaves. Larger motors and/or 25" OD sheaves require larger base.