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All "H" size and larger Series 4625 pumps are manufactured with positivelock thrust control for accurate axial positioning of rotor and shaft. Illustration shows bearing and double end cap arrangement.

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② Nominal capacities based on handling thin liquids.

models and sizes.

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UNMOUNTED PUMPS





Viking's Series 4625 heavy-duty abrasive liquid pumps have proved, through extensive usage, they can handle inks, paints and other highly abrasive materials efficiently and economically.

Reduced speeds of this line of pumps also enables them to deliver these abrasive liquids over a much longer service life.

In ordering these pumps, the following information must be given to assure good service:

1. Liquid pumped.

2. Viscosity of liquid

CONSTRUCTION - SERIES 4625 ("F" AND "FH" SIZES)



- 3. Percentage and type of solids present in liquid.
- Specific gravity.
 Capacity of pump.
- Temperature of liquid.
 Suction lift or head.
 Discharge pressure.

Dimensions for Unmounted Pumps—See Page 410.8.

Performance Data for Unmounted Pumps—See Pages 410.15 through 410.36.

Construction	Casing	Head	Rotor and Shaft	ldler	Idler Pin	Casing Bushing	Mechanical Seal	
Steel Fitted	Iron	Iron	Hardened Steel	Hardened Steel	Nitralloy	Bronze	② Silicon Carbide and Viton [®]	

CONSTRUCTION — SERIES 4625 ("H" THROUGH "M" SIZES)

								Bush	iings	Mechanical	Internal
Construction	Casing	Head	Bracket	Rotor	ldler	Rotor Shaft	Pin	Bracket	ldler	Seal	Valve
Standard Construction	Iron	Iron	Iron	Iron	Iron	Steel	 Tungsten Carbide 	Bronze	Tungsten Carbide	② Silicon Carbide and Viton [®]	Iron
Steel Fitted	Iron	Iron	Iron	Hardened Steel	Hardened Steel	Steel	 Tungsten Carbide 	Bronze	Tungsten Carbide	② Silicon Carbide and Viton [®]	Iron

SPECIFICATIONS — UNMOUNTED PUMPS

Model Number	Port Size		6 Nomina Pump Rating	al I	Motor HP At Rate Pumping Liq	Required d Speed 100 SSU uid	Maximum Hydrostatic Pressure	Steel Fitted Construction Recommended Above This Viscosity	④ Maxii Disch Nomi	mum Recom harge Pressi nal Rated S PSIG	Im Recommended ge Pressure At I Rated Speeds PSIG ⑦ Maximum Recommended Temperature fo Cataloged Pum			Approximate Shipping Weight With Valve	
③ Mech. Seal	Inches	GPM (m³/HR)	RPM	50 PSI (3 BAR)	100 PSI (7 BAR)	PSIG (BAR)	SSU (cSt)	38 to 100 SSU	100 to 750 SSU	750 SSU and Up	°F. (°C.)	Pounds (KG)		
F4625	1/2	3⁄4	(.2)	870	1⁄4	1⁄4	400 (28)		50	100	100	250 (121)	6	(2.5)	
FH4625	1/2	11/2	(.3)	870	1/4	1⁄4	400 (28)		50	100	100	250 (121)	7	(3)	
H4625	11/2	5	(1)	640	1/2	3/4	400 (28)	25,000 (5,500)	50	100	150	250 (121)	38	(17)	
HL4625	11/2	10	(2)	640	1/2	1	400 (28)	7,500 (1,650)	50	100	150	250 (121)	40	(18)	
K4625	2	25	(6)	280	1	3	400 (28)	25,000 (5,500)	50	100	150	250 (121)	105	(48)	
KK4625	2	35	(8)	280	1	3	400 (28)	25,000 (5,500)	50	100	150	250 (121)	110	(50)	
L4625	2	50	(11)	230	3	5	400 (28)	25,000 (5,500)	50	100	150	250 (121)	155	(70)	
LQ4625	5 2 ¹ /2	50	(11)	230	3	5	400 (28)	25,000 (5,500)	50	100	150	250 (121)	180	(82)	
LL4625	53	65	(15)	230	3	5	400 (28)	2,500 (550)	50	100	150	250 (121)	200	(91)	
Q4625	53	110	(25)	190	5	10	400 (28)	7,500 (1,650)	50	100	125	250 (121)	460	(209)	
M4625	54	140	(32)	155	7	15	400 (28)	25,000 (5,500)	50	100	125	250 (121)	620	(281)	

1 Tungsten Carbide idler pins for all sizes except "Q" and "M". These two sizes have a tungsten carbide sleeve over a steel pin.

② Other seal materials available. Check factory for construction recommendations for handling liquids containing acetone or ketone type solvents.

③ Viton[®] elastomer used as standard in mechanical seal of Series 4625 pumps. Kalrez[®] elastomers are available as an option for other applications.

④ For maximum recommended discharge pressures when handling other

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viscosities and or at other speeds, see performance curves. If suction pressure exceeds 50 PSIG (3 BAR) consult factory.

⑤ Ports are suitable for use with 125# ANSI cast iron or 150# ANSI steel companion flanges or flanged fittings. All others tapped for standard pipe.

⑥ Nominal rating based on handling thin liquids.

For higher temperatures, provide details for recommendations.

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VIKING HELICAL GEAR REDUCTION UNITS ("R" DRIVE)



Viking's heavy-duty Series 4625 abrasive liquid pumps are available with helical gear reducers that have been specifically developed for efficient operation with Viking heavy-duty pumps. These rugged, compact, exceptionally quiet gear reducers come in three sizes: the "small" A size, "medium" B size and "large" C size.

The "A" size reducer, available with four gear ratios (2.24, 2.76, 3.43 and 4.17 to 1), is ideally suited for use with the "H" and "HL" size pumps. This reducer is bracket mounted and requires couplings on both the input and output shafts. With the "A" size reducer and 1200 or 1800 RPM motors, the "H" and "HL" size pumps can be used to cover a capacity range from 1.7 to 10.9 GPM.

The medium size "B" helical gear reducer is available with four gear ratios from 4.19 to 1 to 7.65 to 1. This size normally is used with pump sizes "K" through "LL". Like the "A" reducer, the "B" reducer is bracket mounted and requires couplings on both the input and the output shafts. With the "B" reducer, "K" through "LL" pumps driven by 1200 or 1800 RPM motors, can be used to cover a capacity range to 61 GPM. SERIES 4625 Pumps with "R" Drive "B" Reducer



SERIES 4625 Pumps with "R" Drive "C" Reducer

The large "C" size reducer also is available with two gear ratios, 6.24 to 1 and 7.95 to 1. It is normally used with the "Q" or "M" size pumps. Like the "A" and "B" reducers, the "C" reducer is bracket mounted and requires flexible couplings both for the input and output shafts. With the "C" reducer, "Q" and "M" size pumps, driven by 1200 RPM motors, can cover a capacity range to 160 GPM.

Dimensions for "R" Drive Units— See Pages 410.9 and 410.10. Performance Data for "R" Drive Units—See Pages 410.21 through 410.36.

Model Number	Port Size		④ Nomina Pump Rating	I	Motor HP Required At Rated Speed Pumping 100 SSU Liquid		Maximum Hydrostatic Pressure	Steel Fitted Construction Recommended Above This Viscosity	② Maximum Recommended Discharge Pressure At Nominal Rated Speeds PSIG		mended ure At ipeeds	iended are At beeds (S) Maximum Recommended Temperature for Cataloged Pump		Approximate Shipping Weight With Valve (Less Power) Pounds		
① Mech. Seal	Inches	GPM	(m³/HR)	RPM	50 PSI (3 BAR)	100 PSI (7 BAR)	PSIG (BAR)	SSU (cSt)	38 to 100 SSU	100 to 750 SSU	750 SSU And Up	°F. (°C.)	"A" Reducer	"B" Reducer	"C" Reducer	
H4625R	11/2	5	(1)	640	1/2	3⁄4	400 (28)	25,000 (5,500)	50	100	150	250 (121)	125 (57)			
HL4625R	11/2	10	(2)	640	1/2	1	400 (28)	7,500 (1,650)	50	100	150	250 (121)	130 (59)			
K4625R	2	25	(6)	280	1	3	400 (28)	25,000 (5,500)	50	100	150	250 (121)		327 (148)		
KK4625R	2	35	(8)	280	11/2	3	400 (28)	25,000 (5,500)	50	100	150	250 (121)		334 (152)	550 (250)	
L4625R	2	50	(11)	230	3	5	400 (28)	25,000 (5,500)	50	100	150	250 (121)		380 (173)	590 (268)	
LQ4625R	3 2 ¹ /2	50	(11)	230	3	5	400 (28)	25,000 (5,500)	50	100	150	250 (121)		420 (191)	630 (286)	
LL4625R	3 3	65	(15)	230	3	5	400 (28)	2,500 (550)	50	100	150	250 (121)		460 (209)	670 (304)	
Q4625R	33	110	(25)	190	5	10	400 (28)	7,500 (1,650)	50	100	125	250 (121)			1020 (463)	
M4625R	3 4	140	(32)	155	71/2	15	400 (28)	25,000 (5,500)	50	100	125	250 (121)			1160 (481)	

SPECIFICATIONS — "R" DRIVE UNITS

0 Viton® elastomer used as standard in mechanical seal of Series 4625 pumps. Kalrez® elastomers are available as an option for other applications.

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② For maximum recommended discharge pressures when handling other viscosities and or at other speeds, see performance curves. If suction pressure exceeds 50 PSIG (3 BAR) consult factory. ③ Ports are suitable for use with 125# ANSI cast iron or 150# ANSI steel companion flanges or flanged fittings. All others tapped for standard pipe.

④ Nominal rating based on handling thin liquids.

⑤ For higher temperatures, provide details for recommendations.

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VIKING® HEAVY-DUTY ABRASIVE LIQUID PUMPS SERIES 4625

VIKING HELICAL GEAR REDUCER UNITS ("R" DRIVE)

OUTSTANDING FEATURES

- Mounts NEMA standard motors, 1200 or 1800 RPM. (5 HP, 1800 RPM maximum with "A" reducer; 7½ HP, 1800 RPM maximum with "B" reducer, and 15 HP, 1200 RPM maximum with "C" reducer when used with Series 4625 pumps.)
- 2. Complete reducers within a size may be interchanged on a Viking pump unit to obtain desired pump speeds and capacities. Thus the four gear ratios within the "A" size reducer may be interchanged within the size by selecting the proper pinion and gear of a common ratio. Similarly, all four "B" reducers are interchangeble on each respective series of "B" reducer units. Both sizes of 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 "A", "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.
- "A" reducers have ¾" dia., ¾₁₆" key input and output shafts; "B" reducers have 1" dia., ¼" key input shaft and 1½" dia., ¼" key output shaft; "C" reducers have 1¾" dia., ⁵√₁₆" key input and output shafts.

	0			PUMP MODELS AND CAPACITY GPM ⁽²⁾ WITH SIZE "A" REDUCER							
Motor	Reducer	Maximum	Pump	H46	25R	HL40	625R				
RPM	Ratio	HP	RPM	50 PSI (3 BAR)	100 PSI (7 BAR)	50 PSI (3 BAR)	100 PSI (7 BAR)				
	2.76 to 1	5	640	5.3	5.1	10.9	10.5				
1800	3.43 to 1	3	520	4.2	3.9	8.6	8.2				
	4.17 to 1	3	420	3.3	3.0	6.8	6.4				
	2.24 to 1	3	520	4.2	3.9	8.6	8.2				
1200	2.76 to 1	3	420	3.3	3.0	6.8	6.4				
1200	3.43 to 1	2	350	2.6	2.3	5.4	5.0				
	4.17 to 1	2	280	2.0	1.7	4.2	3.8				

HELICAL REDUCER SPECIFICATIONS AND PUMP CAPACITY TABLE - "A" SIZE

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

				PUMP MODELS AND CAPACITY GPM ${}^{\textcircled{0}}$ with size "b" reducer									
		1 Maximum		K46	25R	KK4	625R	L4625R o	r LQ4625R	LL46	625R		
Motor RPM	Reducer Ratio	Motor HP	Pump RPM	50 PSI (3 BAR)	100 PSI (7 BAR)	50 PSI (3 BAR)	100 PSI (7 BAR)	50 PSI (3 BAR)	100 PSI (7 BAR)	50 PSI (3 BAR)	100 PSI (7 BAR)		
1800	6.27 to 1	71⁄2	280	27	26	34	33	61	60	75	74		
1800	7.65 to 1	5	230	22	21	27	26	50	49	61	60		
	4.19 to 1	71⁄2	280	27	26	34	33	61	60	75	74		
1200	5.06 to 1	71⁄2	230	22	21	27	26	50	49	61	60		
1200	6.27 to 1	5	190	18	17	22	21	40	39	50	49		
	7.65 to 1	3	155	14	13	17	16	31	30	38	37		

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

					PUMP MODELS AND CAPACITY GPM ${}^{\textcircled{O}}$ with size "C" reducer							
		1 Maximum		KK4625R	L4625R o	r LQ4625R	LL4	625R	Q46	25R	M46	25R
Motor RPM	Reducer Ratio	Motor HP	Pump RPM	200 PSI (14 BAR)	150 PSI (10 BAR)	200 PSI (14 BAR)	150 PSI (10 BAR)	200 PSI (14 BAR)	50 PSI (3 BAR)	100 PSI (7 BAR)	50 PSI (3 BAR)	75 PSI (5 BAR)
1200	6.24 to 1	10	190	20	38	37	48	46	89	84	160	153
1200	7.95 to 1	10	155	15	29	28	36	34	64	59	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 100 SSU (21 cSt) liquid and 15" Mercury Vacuum.

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

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GEAR REDUCER DRIVE UNITS ("P" DRIVE)



SERIES 4625 Pumps with "P" Drive

Viking's Heavy-Duty Series 4625, abrasive liquid pumps, in sizes from "K" through "M" (25 to 140 GPM) are available in the "P" drive arrangement.

All of these heavy-duty abrasove liquid pump units are mounted on formed steel bases. All mount a separate heavy-duty gear reducer with flexible couplings with guards between pump, reducer and motor.

Dimensions for "P" Drive Units — Consult Factory.

Performance Data for "P" Drive Units — See Pages 410.25 through 410.36.

Model Number	Port Size		5 Nomin Pump Rating	al))	Motor HP Required At Rated Speed Pumping 100 SSU Liquid		Maximum Hydrostatic Pressure	Steel Fitted Construction Recommended Above This Viscosity	③ Maxi Disch Nomi	mum Recon harge Press nal Rated S PSIG	nmended ure At peeds	Maximum Recommended Temperature for Cataloged Pump	Approximate Shipping Weight With Valve and Reducer (Less Power)	
① Mech. Seal	Inches	GPM	(m³/HR)	RPM	50 PSI (3 BAR)	100 PSI (7 BAR)	PSIG (BAR)	SSU (cSt)	38 to 100 SSU	100 to 750 SSU	750 SSU And Up	°F. (°C.)	Pound	ds (KG)
K4625P	2	25	(6)	280	1	3	400 (28)	25,000 (5,500)	50	100	150	250 (121)	338	(153)
KK4625P	2	35	(8)	280	11/2	3	400 (28)	25,000 (5,500)	50	100	150	250 (121)	343	(156)
L4625P	2	50	(11)	230	3	5	400 (28)	25,000 (5,500)	50	100	150	250 (121)	383	(174)
LQ4625P	3 2 ¹ /2	50	(11)	230	3	5	400 (28)	25,000 (5,500)	50	100	150	250 (121)	423	(192)
LL4625P	33	65	(15)	230	3	5	400 (28)	2,500 (550)	50	100	150	250 (121)	463	(210)
Q4625P	33	110	(25)	190	5	10	400 (28)	7,500 (1,650)	50	100	125	250 (121)	781	(782)
M4625P	34	140	(32)	155	71/2	15	400 (28)	25,000 (5,500)	50	100	125	250 (121)	916	(416)

SPECIFICATIONS — "P" DRIVE UNITS

⑦ Viton[®] elastomer used as standard in mechanical seal of Series 4625 pumps. Kalrez[®] elastomers are available as an option for other applications.

② For maximum recommended discharge pressures when handling other viscosities and/or at other speeds, see performance curves. If suction pressure exceeds 50 PSIG (3 BAR), consult factory. ③ Ports are suitable for use with 125# ANSI cast iron or 150# ANSI steel companion flanges or flanged fittings. All others tapped for standard pipe.

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⑤ For higher temperatures, provide details for recommendations.

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DIRECT DRIVE UNITS ("D" DRIVE)



Viking Direct Drive Series 4625 heavy-duty abrasive liquid pumps from "H" through "M" sizes (5 to 140 GPM) are furnished direct driven from gearhead motors, or can be connected to vari-drive units for handy change in speed and pump capacity.

In this assembly, the pump is mounted on the end of a rectangular steel base and connected to a gearhead motor by means of a flexible coupling with guard. Compactness and quiet operation are assured with this type of mounting.

Dimensions for "D" Drive Units—See Page 410.10.

Performance Data for "D" Drive Units—See Pages 410.21 through 410.36.

Model Number	Port Size		్⊚ Nomin Pum∣ Ratin	ial p g	Motor HP At Rate Pumping Liq	Required d Speed 100 SSU uid	Maximum Hydrostatic Pressure	Steel Fitted Construction Recommended Above This Viscosity	③ Maxi Discl Nomi	mum Recommended narge Pressure At nal Rated Speeds PSIG		Maximum Recommended Temperature for Cataloged Pump	Approximate Shipping Weight With Valve (Less Power)	
① Mech. Seal	Inches	GPM ((m³/HR)	RPM	50 PSI (3 BAR)	100 PSI (7 BAR)	PSIG (BAR)	SSU (cSt)	38 to 100 to 750 SSU 100 SSU 750 SSU And Up		750 SSU And Up	°F. (°C.)	Pounds (KG)	
H4625D	11/2	5	(1)	640	1/2	3/4	400 (28)	25,000 (5,500)	50	100	150	250 (121)	70	(32)
HL4625D	11/2	10	(2)	640	1/2	1	400 (28)	7,500 (1,650)	50	100	150	250 (121)	90	(41)
K4625D	2	25	(6)	280	1	3	400 (28)	25,000 (5,500)	50	100	150	250 (121)	220	(100)
KK4625D	2	35	(8)	280	11/2	3	400 (28)	25,000 (5,500)	50	100	150	250 (121)	250	(114)
L4625D	2	50	(11)	230	3	5	400 (28)	25,000 (5,500)	50	100	150	250 (121)	310	(141)
LQ4625D	3 2 ¹ /2	50	(11)	230	3	5	400 (28)	25,000 (5,500)	50	100	150	250 (121)	350	(159)
LL4625D	33	65	(15)	230	3	5	400 (28)	2,500 (550)	50	100	150	250 (121)	415	(188)
Q4625D	33	110	(25)	190	5	10	400 (28)	7,500 (1,650)	50	100	125	250 (121)	810	(368)
M4625D	3 4	140	(32)	155	71/2	15	400 (28)	25,000 (5,500)	50	100	125	250 (121)	970	(440)

SPECIFICATIONS — "D" DRIVE UNITS

① Viton[®] elastomer used as standard in mechanical seal of Series 4625 pumps. Kalrez[®] elastomers are available as an option for other applications.

② For maximum recommended discharge pressures when handling other viscosities and/or at other speeds, see performance curves. If suction pressure exceeds 50 PSIG (3 BAR), consult factory. ③ Ports are suitable for use with 125# ANSI cast iron or 150# ANSI steel companion flanges or flanged fittings. All others tapped for standard pipe.

④ Nominal rating based on handling thin liquids.

⑤ For higher temperatures, provide details for recommendations.

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V-BELT DRIVE UNITS ("V" DRIVE)



SERIES 4625 Pumps with "V" Drive

The Series 4625 heavy-duty abrasive liquid pumps in "H" through "Q" size (5 to 110 GPM) are available with V-belt drive mounting.

The unit includes pump mounted on steel base with totally guarded V-belt drive mounted on pump shaft and connected to 1200 or 1800 RPM motor ("H" and "HL" sizes) and 1200 RPM motor ("K" through "Q" sizes). Motors mount on slide rail bases and are furnished as extra item.

Maximum standard reduction is 4 to 1 on "H" and "HL" sizes, 6 to 1 on "K" through "Q" sizs.

Dimensions for "P" Drive Units — Consult Factory. Performance Data for "P" Drive Units — See Pages 410.25 through 410.36.

SPECIFICATIONS — "V" DRIVE UNITS

Model Number	Port Size		ڑ Nomin Pum Ratin	al o g	Motor HP Required At Rated Speed Pumping 100 SSU Liquid		Maximum Hydrostatic Pressure	Steel Fitted Construction Recommended Above This Viscosity	③ Maxi Disc Nom	mum Recom harge Pressu inal Rated Sp PSIG	mended Ire At beeds	Maximum Recommended Temperature for Cataloged Pump	Approximate Shipping Weight With Valve (Less Power)	
① Mech. Seal	Inches	GPM	(m³/HR)	RPM	50 PSI (3 BAR)	100 PSI (7 BAR)	PSIG (BAR)	SSU (cSt)	38 to 100 SSU	100 to 750 SSU	750 SSU And Up	°F. (°C.)	Pound	ds (KG)
H4625V	11/2	5	(1)	640	1/2	3/4	400 (28)	25,000 (5,500)	50	100	150	250 (121)	109	(49)
HL4625V	11/2	10	(2)	640	1/2	1	400 (28)	7,500 (1,650)	50	100	150	250 (121)	114	(52)
K4625V	2	25	(6)	280	1	3	400 (28)	25,000 (5,500)	50	100	150	250 (121)	255	(116)
KK4625V	2	35	(8)	280	11/2	3	400 (28)	25,000 (5,500)	50	100	150	250 (121)	265	(120)
L4625V	2	50	(11)	230	3	5	400 (28)	25,000 (5,500)	50	100	150	250 (121)	305	(138)
LQ4625V	3 2 ¹ /2	50	(11)	230	3	5	400 (28)	25,000 (5,500)	50	100	150	250 (121)	345	(157)
LL4625V	33	65	(15)	230	3	5	400 (28)	2,500 (550)	50	100	150	250 (121)	370	(168)
Q4625V	33	110	(25)	190	5	10	400 (28)	7,500 (1,650)	50	100	125	250 (121)	1006	(457)

 Viton[®] elastomer used as standard in mechanical seal of Series 4625 pumps. Kalrez[®] elastomers are available as an option for other applications.

② For maximum recommended discharge pressures when handling other viscosities and/or at other speeds, see performance curves. If suction pressure exceeds 50 PSIG (3 BAR), consult factory. ③ Ports are suitable for use with 125# ANSI cast iron or 150# ANSI steel companion flanges or flanged fittings. All others tapped for standard pipe.

Nominal rating based on handling thin liquids.
 For higher temperatures, provide datalle for recommendation

⑤ For higher temperatures, provide details for recommendations.

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DIMENSIONS

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

For specifications, see page 410.2.

DIMENSIONS — SERIES 4625 UNMOUNTED PUMPS "F" AND "FH" SIZES



NOTE: Dimensions shown in inches, with millimeter equivalent shown in parentheses.

For specifications, see page 410.2.

DIMENSIONS — SERIES 4625 UNMOUNTED PUMPS "H" AND "M" SIZES

⑦ Ports are suitable for use with 125# ANSI cast iron or 150# ANSI steel companion flanges or flanged fittings. All others tapped for standard pipe.



MODEL NO.	Α		В	С	D	E	F	G	Н	J	к	L	М	N	0	Р	R	S	Т	U	v	W
H4625	.1/	in	3.00	4.75	3.50	2.75	2.25	6.75	3.50	.47	1.50	3.38	5.19	1.19	.56	.62	10.44	13.25	1.62	.750	.19 x .09	2.88
HL4625	1/2	mm	76	121	89	70	57	171	89	12	38	86	132	30	14	16	265	337	41	19.05	4.76 x 2.38	73
K4625		in	5.12	8.00	5.50	4.00	2.75	9.25	4.00	.53	2.00	3.00	9.38	1.75	.62	.62	14.12	18.12	2.25	1.125	.25 x .12	5.12
KK4625		mm	130	203	140	102	70	235	102	13	51	76	238	44	16	16	359	460	57	28.58	6.35 x 3.18	130
1 4005		in	6.50	10.25	7.00	4.38	4.00	10.00	5.38	.53	2.00	3.38	9.12	1.75	.62	.62	15.62	19.62	2.25	1.125	.25 x .12	5.38
L4625		mm	165	260	178	111	102	254	137	13	51	86	232	44	16	16	397	498	57	28.58	6.35 x 3.18	137
1.0.4005	1/	in	7.19	10.25	7.00	4.38	4.00	10.00	5.38	.53	2.00	3.38	9.12	1.75	.62	.62	15.62	19.62	2.25	1.125	.25 x .12	5.38
LQ4625	1 272	mm	183	260	178	111	102	254	137	13	51	86	232	44	16	16	397	498	57	28.58	6.35 x 3.18	137
11 4005		in	7.19	10.25	7.00	4.38	4.00	10.00	5.38	.53	2.00	3.38	9.12	2.25	.62	.62	15.62	20.12	2.25	1.125	.25 x .12	5.38
LL4625	03	mm	183	260	178	111	102	254	137	13	51	86	232	57	16	16	397	511	57	28.58	6.35 x 3.18	137
0.4005		in	7.75	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
Q4625	03	mm	197	356	222	105	102	254	152	18	111	168	282	76	19	25	489	679	114	49.22	12.70 x 6.35	208
144005		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
1014625	04	mm	241	438	254	127	152	305	216	18	102	197	206	102	25	38	511	721	108	49.22	12.70 x 6.35	216

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VIKING® HEAVY-DUTY ABRASIVE LIQUID PUMPS **SERIES 4625**

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DIMENSIONS

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



For specifications, see page 410.3.

DIMENSIONS— **SERIES 4625** ("R" DRIVE) "H" AND "HL" SIZE PUMPS **"A" SIZE REDUCER UNITS**

① With motor frames 182-T and smaller, use the (4) corner base anchor holes. Motor frame 184-T covers up the lower left corner anchor hole, so the hole 9" to right is used. NOTE: Dimensions shown in inches with millimeter



NOTE. Dimensions shown in incres, with minimeter	
equivalent shown in parentheses.	

("R" DRIVE)
"K" THROUGH "LL" SIZE
DUMDO

For specifications, see page 410.3.

A - PIPE SIZE "B" SIZE REDUCER COUPLING GUARD COUPLING GUARD **C** - - **1** +---ε ß K - HOLE MODEL NUMBER С F F G М BASE Α В Κ Ν L J 2 K4625R in 5 12 9.50 4.00 14.25 48.00 1.38 .62 2.00 6.88 4.25 2 AND KK4625R mm 130 241 102 362 1219 35 16 51 175 108 7.12 in 6.50 11.00 4.00 14.25 48.00 1.38 .62 2.38 4.62 L4625R 2 1219 102 mm 165 2.79 362 35 16 60 181 117 2-022-010 in 7.19 11.00 4.00 14.25 48.00 1.38 .62 2.38 7.12 4.62 1 LQ4625R 21⁄2 mm 183 279 102 362 1219 35 16 60 181 117 in 7.19 11.00 4.00 14.25 48.00 1.38 .62 2.38 7.62 4.62 ① 3 LL4625R 183 362 35 117 mm 279 102 1219 16 60 194

DIMENSIONS— **SERIES 4625** PUMPS **"B" SIZE REDUCER UNITS**

NOTE: Motor rails 2" high are required on "L" through "LL" size units with 184-T or $4\frac{1}{2}$ " center height motors.

- ① Ports are suitable for use with 125# ANSI cast iron or 150# ANSI steel companion flanges or flanged fittings. All others tapped for standard pipe.
- 2 With motor frames 184-T and smaller, these units are assembled on a shorter base with the following dimension changes: (F = 16", G = 39", L = 3", N = 55/8"). Motor rails 11/28" high are required with 56, 143-T and 145-T frame motors

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DIMENSIONS

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

For specifications, see page 410.3.

DIMENSIONS — SERIES 4625 ("R" DRIVE) "KK" THROUGH "M" SIZE PUMPS "C" SIZE REDUCER UNITS



 Ports are suitable for use with 125# ANSI cast iron or 150# ANSI steel companion flanges or flanged fittings. All others tapped for standard pipe.

For specifications, see page 410.6.

DIMENSIONS — SERIES 4625 ("D" DRIVE) "H" THROUGH "M" SIZE PUMPS

 Ports are suitable for use with 125# ANSI cast iron or 150# ANSI steel companion flanges or flanged fittings. All others tapped for standard pipe.

② Varies with gearmotor used

NOTE: Pump models "K" through "LL" are normally placed on formed steel bases as shown with outside dimensions 4" x $18^3/4$ " x $41^3/4$ ". Pump models "Q" and "M" are normally placed on formed steel bases as shown with outside dimensions 6" x $22^3/4$ " x $62^1/2$ ".

Units are placed on stock formed steel bases if possible, depending on the width of the gearmotor and total length of the unit figured from the back of the motor foot to the end of the pump foot.

For foundation space estimates, the following base dimensions can be used:

 $2^{15}/_{16}$ " x 12" x 27" (Four $\frac{9}{16}$ " holes 9" x 25" centers) 4" x 18³/₄" x 41³/₄" (Four $\frac{5}{6}$ " holes 16" x 39" centers) 4" x 17" x 50³/₄" (Four $\frac{5}{6}$ " holes 14¹/₄" x 48" centers) 6" x 22³/₄" x 62³/₂" (Four $\frac{11}{16}$ " holes 19³/₄" x 59³/₄" centers) 6" x 24" x 52" (Four $\frac{11}{16}$ " holes 21" x 49" centers) 6" x 30" x 52" (Four $\frac{13}{16}$ " holes 29" x 59" centers) 6" x 32" x 62" (Four $\frac{13}{16}$ " holes 29" x 59" centers)



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DIMENSIONS

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



For specifications, see page 410.7.

DIMENSIONS — SERIES 4625 ("V" DRIVE) "H" THROUGH "Q" SIZE PUMPS V-BELT DRIVE UNITS

 Ports are suitable for use with 125# ANSI cast iron or 150# ANSI steel companion flanges or flanged fittings. All others tapped for standard pipe.

② Base dimensions correct for all motors.

③ Base dimensions correct through frame 215-T motors and 19" OD sheaves. Larger motors and or 25" OD sheaves require larger base.