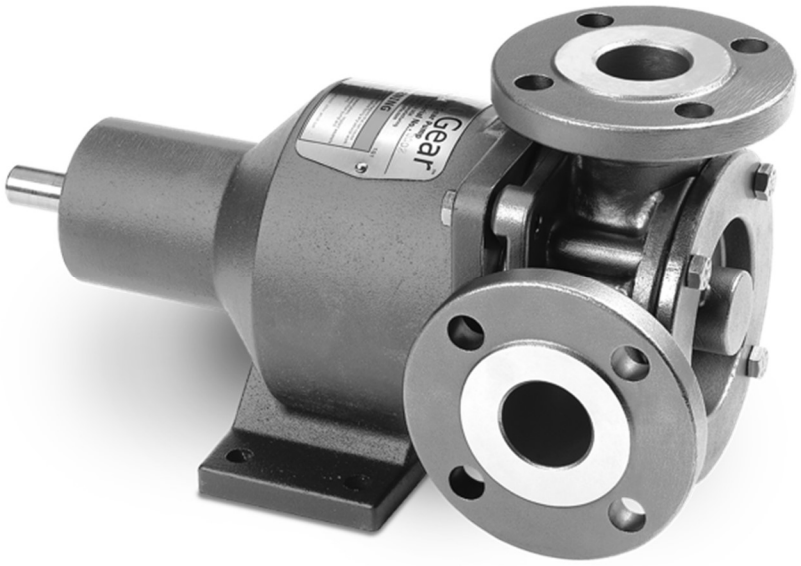
COMPETITIVE DIMENSIONAL COMPARISON

E Series
Seal-less Internal Gear Pumps



PSG a DOVER company

Where Innovation Flows

Blackmer

1901-005

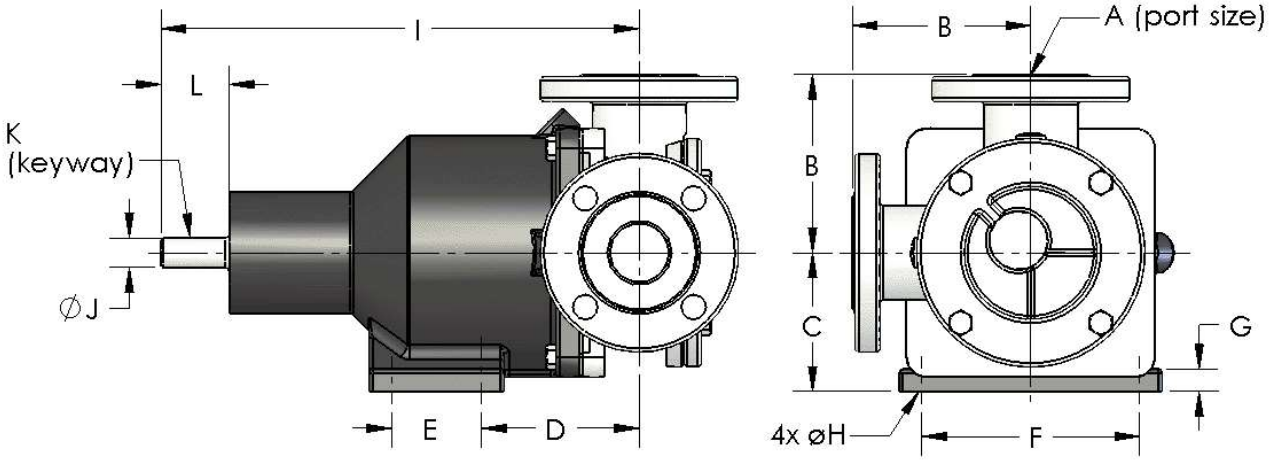
Always read the most current version of this manual before performing any work on or around this pump. The most current version of this manual is freely available on the web at www.blackmer.com

Blackmer pumps are specifically configured for your unique application conditions. Those application conditions and the details of the pump configuration were documented during the ordering process. Keep that information available in a safe place, as it may be needed when troubleshooting pump problems or when ordering spare parts or repairs.

Blackmer Gear Pumps are covered by one or more of the following patents: U.S. Patent Nos. 7549205, 7137793, 7183683, 8,608,465B2 Australian Patent No. AU2005233534B2; Korean Patent No. 10-2006-7023162; Mexican Patent No. PA/2006/011436, Russian Patent No. 2006138540(041952); China Patent No. ZL 201280031563.6; and other patents pending.

Dimensional Comparison of E Series and Viking Pump

E Series Model:	E1-2
Viking Model:	**"H"**
Ideal Flowrate:	0.0095 gallons per rev



Pumps with 1 1/2" NPT tapped ports

Dim	E Series Value	Viking Value					
		H4124A (CI)	H4125 (CI)	H4225 (CI)	H4124 (CI)	H4126A (DI)	H4724 (SS)
A	1 1/2" NPT	✓	✓	✓	✓	✓	✓
B	3.000	✓	✓	✓	✓	✓	3.500
C	3.500	✓	✓	✓	✓	✓	✓
D	4.000	✓	✓	✓	✓	✓	3.875
E	2.250	✓	✓	✓	✓	✓	✓
F	5.500	✓	✓	✓	✓	✓	✓
G	0.563	✓	✓	✓	✓	✓	✓
H	0.468	✓	✓	✓	✓	✓	✓
I	12.063	✓	✓	✓	✓	✓	11.938
J	0.750	✓	✓	✓	✓	✓	✓
K	.188 square	✓	✓	✓	✓	✓	✓
L	1.625 (min)	✓	✓	✓	✓	✓	✓

Pumps with 1 1/2” ANSI 150# flanged ports

Dim	E Series Value	Viking Value				
		H4124A (CI)	H4125 (CI)	H4225 (CI)	H4123A (CS)	H4127A (SS)
A	1 1/2” ANSI 150#	✓(1)	✓(1)	✓(1)	✓	✓
B	4.000	✓	✓	✓	✓	✓
C	3.500	✓	✓	✓	✓	✓
D	4.000	✓	✓	✓	✓	✓
E	2.250	✓	✓	✓	✓	✓
F	5.500	✓	✓	✓	✓	✓
G	0.563	✓	✓	✓	✓	✓
H	0.468	✓	✓	✓	✓	✓
I	12.063	✓	✓	✓	✓	✓
J	0.750	✓	✓	✓	✓	✓
K	.188 square	✓	✓	✓	✓	✓
L	1.625 (min)	✓	✓	✓	✓	✓

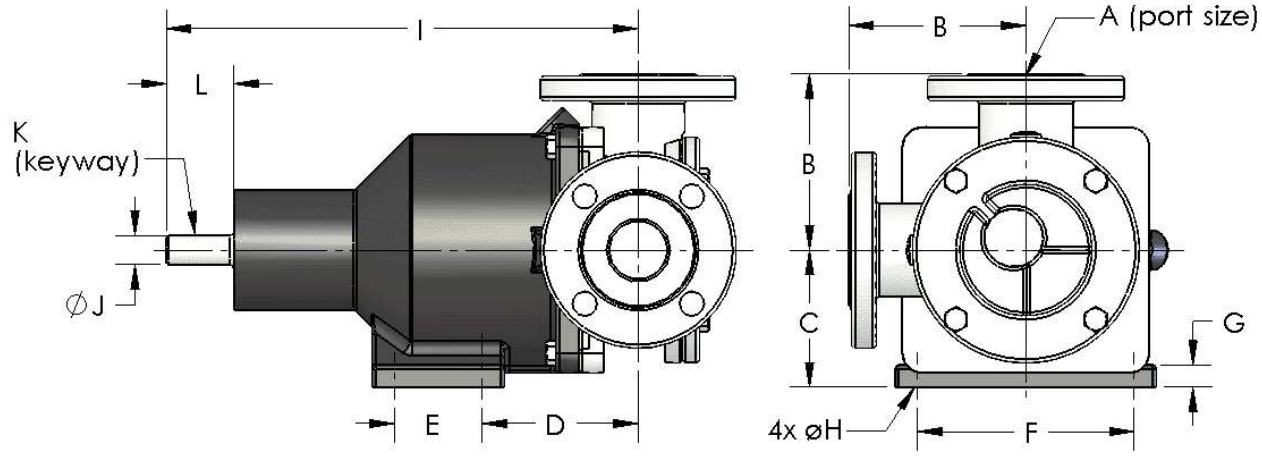
(1) = FLANGED PORTS OPTIONAL FOR THESE VIKING MODELS

Pumps with 2” ANSI 150# flanged ports (optional)

Dim	E Series Value	Viking Value				
		H4124A (CI)	H4125 (CI)	H4225 (CI)	H4124 (C1)	H4127A (SS)
A	1 1/2” ANSI 150#	✓	✓	✓	✓	✓
B	4.000	4.000	4.000	4.000	4.000	4.000
C	3.500	✓	✓	✓	✓	✓
D	4.000	✓	✓	✓	✓	✓
E	2.250	✓	✓	✓	✓	✓
F	5.500	✓	✓	✓	✓	✓
G	0.563	✓	✓	✓	✓	✓
H	0.468	✓	✓	✓	✓	✓
I	12.063	✓	✓	✓	✓	✓
J	0.750	✓	✓	✓	✓	✓
K	.188 square	✓	✓	✓	✓	✓
L	1.625 (min)	✓	✓	✓	✓	✓

Dimensional Comparison of E Series and Viking Pump

E Series Model:	E1-4
Viking Model:	**"HL"**
Ideal Flowrate:	0.0188 gallons per rev



Pumps with 1 1/2" NPT tapped ports

Dim	E Series Value	Viking Value					
		HL4124A (CI)	HL4125 (CI)	HL4225 (CI)	HL4124 (CI)	HL4126A (DI)	HL4724 (SS)
A	1 1/2" NPT	✓	✓	✓	✓	✓	✓
B	3.000	✓	✓	✓	✓	✓	3.500
C	3.500	✓	✓	✓	✓	✓	✓
D	4.000	✓	✓	✓	✓	✓	3.875
E	2.250	✓	✓	✓	✓	✓	✓
F	5.500	✓	✓	✓	✓	✓	✓
G	0.563	✓	✓	✓	✓	✓	✓
H	0.468	✓	✓	✓	✓	✓	✓
I	12.063	✓	✓	✓	✓	✓	11.938
J	0.750	✓	✓	✓	✓	✓	✓
K	.188 square	✓	✓	✓	✓	✓	✓
L	1.625 (min)	✓	✓	✓	✓	✓	✓

Pumps with 1 1/2” ANSI 150# flanged ports

Dim	E Series Value	Viking Value				
		HL4124A (CI)	HL4125 (CI)	HL4225 (CI)	HL4123A (CS)	HL4127A (SS)
A	1 1/2” ANSI 150#	✓(1)	✓(1)	✓(1)	✓	✓
B	4.000	✓	✓	✓	✓	✓
C	3.500	✓	✓	✓	✓	✓
D	4.000	✓	✓	✓	✓	✓
E	2.250	✓	✓	✓	✓	✓
F	5.500	✓	✓	✓	✓	✓
G	0.563	✓	✓	✓	✓	✓
H	0.468	✓	✓	✓	✓	✓
I	12.063	✓	✓	✓	✓	✓
J	0.750	✓	✓	✓	✓	✓
K	.188 square	✓	✓	✓	✓	✓
L	1.625 (min)	✓	✓	✓	✓	✓

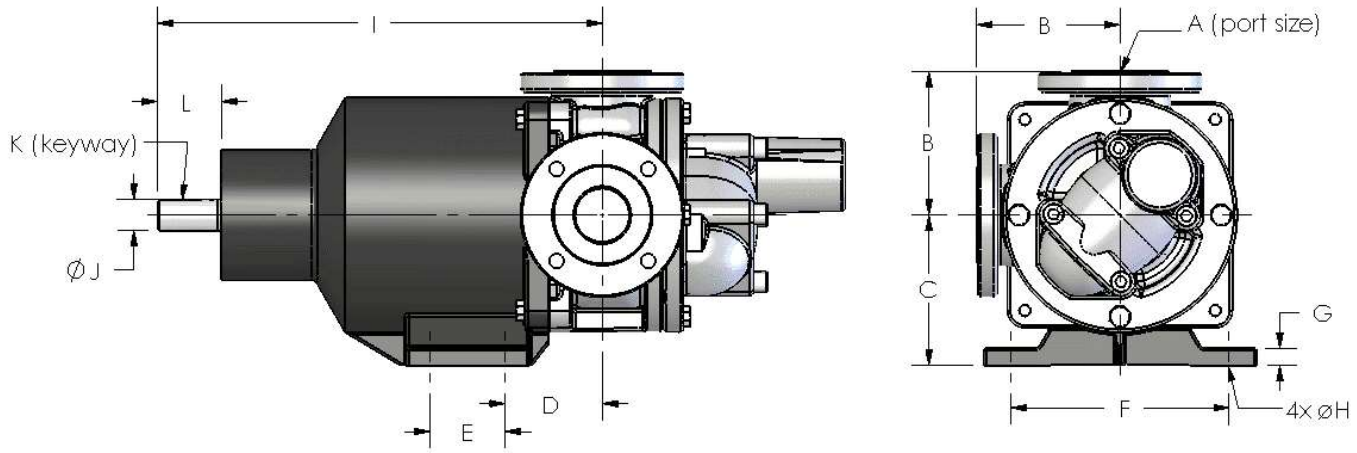
(1) = FLANGED PORTS OPTIONAL FOR THESE VIKING MODELS

Pumps with 2” ANSI 150# flanged ports (optional)

Dim	E Series Value	Viking Value				
		HL4124A (CI)	HL4125 (CI)	HL4225 (CI)	HL4124 (C1)	HL4127A (SS)
A	1 1/2” ANSI 150#	✓	✓	✓	✓	✓
B	4.000	4.000	4.000	4.000	4.000	4.000
C	3.500	✓	✓	✓	✓	✓
D	4.000	✓	✓	✓	✓	✓
E	2.250	✓	✓	✓	✓	✓
F	5.500	✓	✓	✓	✓	✓
G	0.563	✓	✓	✓	✓	✓
H	0.468	✓	✓	✓	✓	✓
I	12.063	✓	✓	✓	✓	✓
J	0.750	✓	✓	✓	✓	✓
K	.188 square	✓	✓	✓	✓	✓
L	1.625 (min)	✓	✓	✓	✓	✓

Dimensional Comparison of E Series and Viking Pump

E Series Model:	E1-24
Viking Model:	**"K"**
Ideal Flowrate:	0.105 gallons per rev



Pumps with 2" NPT tapped ports

Dim	E Series Value	Viking Value					
		K4124A (CI)	K4125 (CI)	K4225 (CI)	K4124 (CI)	K4126A (DI)	K4724 (SS)
A	2" NPT	✓	✓	✓	✓	✓	✓
B	5.125	✓	✓	✓	✓	✓	✓
C	5.500	✓	✓	✓	✓	✓	✓
D	3.625	✓	✓	✓	✓	✓	✓
E	2.750	✓	✓	✓	✓	✓	✓
F	8.000	✓	✓	✓	✓	✓	✓
G	0.625	✓	✓	✓	✓	✓	✓
H	0.531	✓	✓	✓	✓	✓	✓
I	16.375	✓	✓	✓	✓	✓	✓
J	1.125	✓	✓	✓	✓	✓	✓
K	.250 square	✓	✓	✓	✓	✓	✓
L	2.250 (min)	✓	✓	✓	✓	✓	✓

Pumps with 2” ANSI 150# flanged ports

Dim	E Series Value	Viking Value				
		K4124A (CI)	K4125 (CI)	K4225 (CI)	K4123A (CS)	K4127A (SS)
A	2” ANSI 150#	✓	✓	✓	✓	✓
B	5.250	✓	✓	✓	✓	✓
C	5.500	✓	✓	✓	✓	✓
D	3.625	✓	✓	✓	✓	✓
E	2.750	✓	✓	✓	✓	✓
F	8.000	✓	✓	✓	✓	✓
G	0.625	✓	✓	✓	✓	✓
H	0.531	✓	✓	✓	✓	✓
I	16.375	✓	✓	✓	✓	✓
J	1.125	✓	✓	✓	✓	✓
K	.250 square	✓	✓	✓	✓	✓
L	2.250 (min)	✓	✓	✓	✓	✓

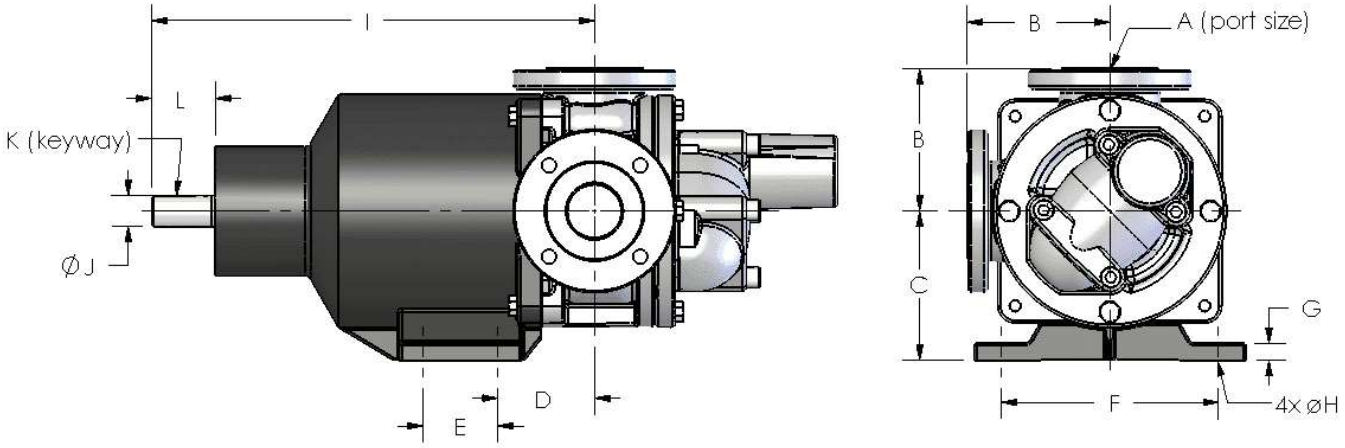
(1) = FLANGED PORTS OPTIONAL FOR THESE VIKING MODELS

Pumps with 3” ANSI 150# flanged ports (optional)

Dim	E Series Value	Viking Value					
		K4124A (CI)	K4125 (CI)	K4225 (CI)	K4223A (CS)	K4127A (SS)	K4227A (SS)
A	3” ANSI 150#	✓	✓	✓	✓	✓	✓
B	5.250	✓	✓	✓	✓	✓	✓
C	5.500	✓	✓	✓	✓	✓	✓
D	3.625	✓	✓	✓	✓	✓	✓
E	2.750	✓	✓	✓	✓	✓	✓
F	8.000	✓	✓	✓	✓	✓	✓
G	0.625	✓	✓	✓	✓	✓	✓
H	0.531	✓	✓	✓	✓	✓	✓
I	16.375	✓	✓	✓	✓	✓	✓
J	1.125	✓	✓	✓	✓	✓	✓
K	.250 square	✓	✓	✓	✓	✓	✓
L	2.250 (min)	✓	✓	✓	✓	✓	✓

Dimensional Comparison of E Series and Viking Pump

E Series Model:	E1-32
Viking Model:	**"KK"**
Ideal Flowrate:	0.141 gallons per rev



Pumps with 2" NPT tapped ports

Dim	E Series Value	Viking Value					
		KK4124A (CI)	KK4125 (CI)	KK4225 (CI)	KK4124 (CI)	KK4126A (DI)	KK4724 (SS)
A	2" NPT	✓	✓	✓	✓	✓	✓
B	5.125	✓	✓	✓	✓	✓	✓
C	5.500	✓	✓	✓	✓	✓	✓
D	3.625	✓	✓	✓	✓	✓	✓
E	2.750	✓	✓	✓	✓	✓	✓
F	8.000	✓	✓	✓	✓	✓	✓
G	0.625	✓	✓	✓	✓	✓	✓
H	0.531	✓	✓	✓	✓	✓	✓
I	16.375	✓	✓	✓	✓	✓	✓
J	1.125	✓	✓	✓	✓	✓	✓
K	.250 square	✓	✓	✓	✓	✓	✓
L	2.250 (min)	✓	✓	✓	✓	✓	✓

Pumps with 2” ANSI 150# flanged ports

Dim	E Series Value	Viking Value				
		KK4124A (CI)	KK4125 (CI)	KK4225 (CI)	KK4123A (CS)	KK4127A (SS)
A	2” ANSI 150#	✓	✓	✓	✓	✓
B	5.250	✓	✓	✓	✓	✓
C	5.500	✓	✓	✓	✓	✓
D	3.625	✓	✓	✓	✓	✓
E	2.750	✓	✓	✓	✓	✓
F	8.00	✓	✓	✓	✓	✓
G	0.625	✓	✓	✓	✓	✓
H	0.531	✓	✓	✓	✓	✓
I	16.375	✓	✓	✓	✓	✓
J	1.125	✓	✓	✓	✓	✓
K	.250 square	✓	✓	✓	✓	✓
L	2.250 (min)	✓	✓	✓	✓	✓

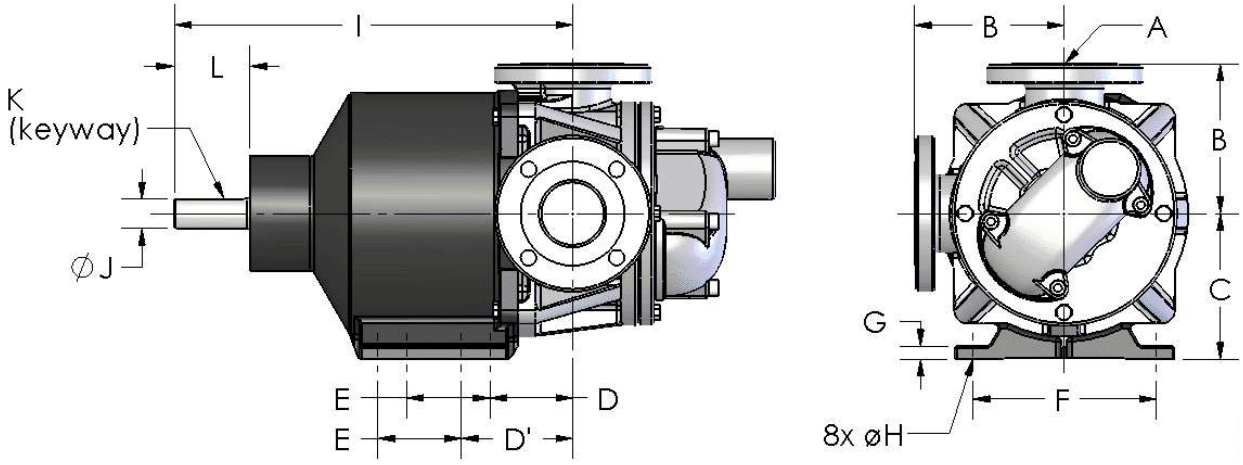
(1) = FLANGED PORTS OPTIONAL FOR THESE VIKING MODELS

Pumps with 3” ANSI 150# flanged ports (optional)

Dim	E Series Value	Viking Value					
		KK4124A (CI)	KK4125 (CI)	KK4225 (CI)	KK4223A (CS)	KK4127A (SS)	KK4227A (SS)
A	3” ANSI 150#	✓	✓	✓	✓	✓	✓
B	5.250	✓	✓	✓	✓	✓	✓
C	5.500	✓	✓	✓	✓	✓	✓
D	3.625	✓	✓	✓	✓	✓	✓
E	2.750	✓	✓	✓	✓	✓	✓
F	8.000	✓	✓	✓	✓	✓	✓
G	0.625	✓	✓	✓	✓	✓	✓
H	0.531	✓	✓	✓	✓	✓	✓
I	16.375	✓	✓	✓	✓	✓	✓
J	1.125	✓	✓	✓	✓	✓	✓
K	.250 square	✓	✓	✓	✓	✓	✓
L	2.250 (min)	✓	✓	✓	✓	✓	✓

Dimensional Comparison of E Series and Viking Pump

E Series Model:	E1-55
Viking Model:	**"L"or"LQ"**
Ideal Flowrate:	0.238 gallons per rev



Pumps with 2" NPT tapped ports

Dim		E Series Value	Viking Value					
			L4124A (CI)	L4125 (CI)	L4225 (CI)	L4124 (CI)	L4126A (DI)	L4724 (SS)
A		3" ANSI 150#	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT
B		7.188	6.500	6.500	6.500	6.500	6.500	6.500
C		7.000	✓	✓	✓	✓	✓	✓
D		4.000	✓	✓	✓	✓	✓	✓
D[1]		5.375	n/a	n/a	n/a	n/a	n/a	n/a
E		4.000	✓	✓	✓	✓	✓	✓
F		8.750	✓	✓	✓	✓	✓	✓
G		0.625	✓	✓	✓	✓	✓	✓
H		0.531	✓	✓	✓	✓	✓	✓
Standard Shaft	I	19.250	17.875	17.875	17.875	17.875	17.875	17.875
	J	1.438	1.125	1.125	1.125	1.125	1.125	1.125
	K	.375 square	.250 sq	.250 sq	.250 sq	.250 sq	.250 sq	.250 sq
	L	3.500 (min)	2.250	2.250	2.250	2.250	2.250	2.250
Opt.ional Small Shaft	I	17.875	✓	✓	✓	✓	✓	✓
	J	1.125	✓	✓	✓	✓	✓	✓
	K	.250 sq	✓	✓	✓	✓	✓	✓
	L	2.250 (min)	✓	✓	✓	✓	✓	✓

Pumps with 3” ANSI 150# flanged ports (optional)

Dim		E Series Value	Viking Value			
			LQ4124A (CI)	LQ4125 (CI)	LQ4225 (CI)	LQ4124 (CI)
A		3” ANSI 150#	✓	✓	✓	✓
B		7.188	✓	✓	✓	✓
C		7.000	✓	✓	✓	✓
D		4.000	✓	✓	✓	✓
D1		5.375	n/a	n/a	n/a	n/a
E		4.000	✓	✓	✓	✓
F		8.750	✓	✓	✓	✓
G		0.625	✓	✓	✓	✓
H		0.531	✓	✓	✓	✓
Standard Shaft	I	19.250	17.875	17.875	17.875	17.875
	J	1.438	1.125	1.125	1.125	1.125
	K	.375 square	.250 sq	.250 sq	.250 sq	.250 sq
	L	3.500 (min)	2.250	2.250	2.250	2.250
Optional Small Shaft	I	17.875	✓	✓	✓	✓
	J	1.125	✓	✓	✓	✓
	K	.250 sq	✓	✓	✓	✓
	L	2.250 (min)	✓	✓	✓	✓

Pumps with 2 1/2” ANSI 150# flanged ports

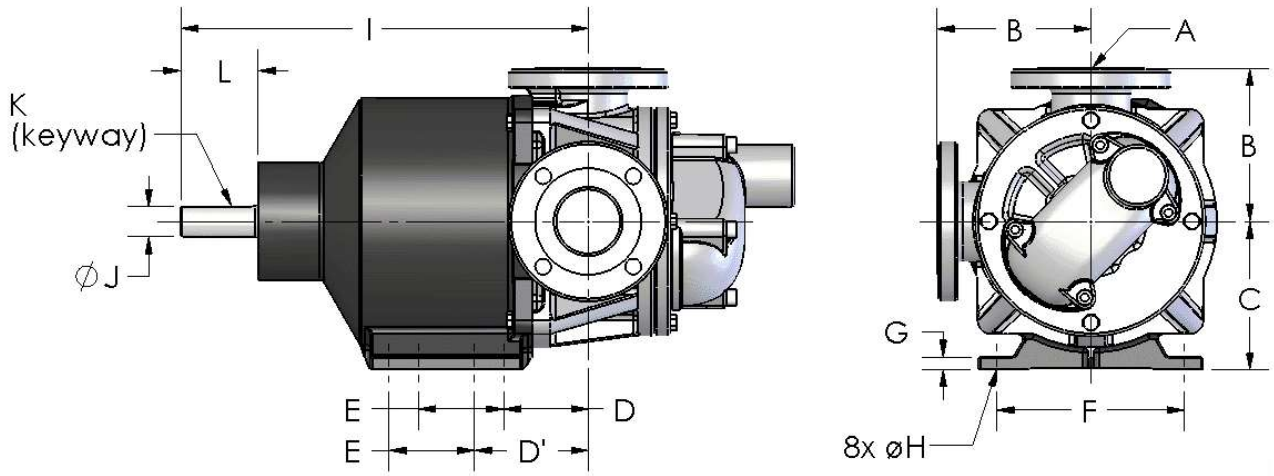
Dim		E Series Value	Viking Value							
			LQ4124A (CI)	LQ4125 (CI)	LQ4225 (CI)	LQ4124 (CI)	LQ4126A (DI)	LQ4123A (CS)	LQ4127A (SS)	LQ4724 (SS)
A		3” ANSI 150#	2 1/2” ANSI 150#	2 1/2” ANSI 150#	2 1/2” ANSI 150#	2 1/2” ANSI 150#	2 1/2” ANSI 150#	2 1/2” ANSI 150#	2 1/2” ANSI 150#	2 1/2” ANSI 150#
B		7.188	✓	✓	✓	✓	✓	✓	✓	✓
C		7.000	✓	✓	✓	✓	✓	✓	✓	✓
D		4.000	✓	✓	✓	✓	✓	✓	✓	✓
D[1]		5.375	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
E		4.000	✓	✓	✓	✓	✓	✓	✓	✓
F		8.750	✓	✓	✓	✓	✓	✓	✓	✓
G		0.625	✓	✓	✓	✓	✓	✓	✓	✓
H		0.531	✓	✓	✓	✓	✓	✓	✓	✓
Standard Shaft	I	19.250	17.875	17.875	17.875	17.875	17.875	17.875	17.875	17.875
	J	1.438	1.125	1.125	1.125	1.125	1.125	1.125	1.125	1.125
	K	.375 square	.250 sq	.250 sq	.250 sq	.250 sq	.250 sq	.250 sq	.250 sq	.250 sq
	L	3.500 (min)	2.250	2.250	2.250	2.250	2.250	2.250	2.250	2.250
Optional Small Shaft	I	17.875	✓	✓	✓	✓	✓	✓	✓	✓
	J	1.125	✓	✓	✓	✓	✓	✓	✓	✓
	K	.250 sq	✓	✓	✓	✓	✓	✓	✓	✓
	L	2.250 (min)	✓	✓	✓	✓	✓	✓	✓	✓

Pumps with 4” ANSI 150# flanged ports (optional)

Dim		E Series Value	Viking Value					
			LQ4124A (CI)	LQ4125 (CI)	LQ4225 (CI)	LQ4124 (CI)	LQ4126A (DI)	LQ4123A (CS)
A		3” ANSI 150#	✓	✓	✓	✓	✓	✓
B		7.188	✓	✓	✓	✓	✓	✓
C		7.000	✓	✓	✓	✓	✓	✓
D		4.000	✓	✓	✓	✓	✓	✓
D[1]		5.375	n/a	n/a	n/a	n/a	n/a	n/a
E		4.000	✓	✓	✓	✓	✓	✓
F		8.750	✓	✓	✓	✓	✓	✓
G		0.625	✓	✓	✓	✓	✓	✓
H		0.531	✓	✓	✓	✓	✓	✓
Standard Shaft	I	19.250	17.875	17.875	17.875	17.875	17.875	17.875
	J	1.438	1.125	1.125	1.125	1.125	1.125	1.125
	K	.375 square	.250 sq	.250 sq	.250 sq	.250 sq	.250 sq	.250 sq
	L	3.500 (min)	2.250	2.250	2.250	2.250	2.250	2.250
Opt.ional Small Shaft	I	17.875	✓	✓	✓	✓	✓	✓
	J	1.125	✓	✓	✓	✓	✓	✓
	K	.250 sq	✓	✓	✓	✓	✓	✓
	L	2.250 (min)	✓	✓	✓	✓	✓	✓

Dimensional Comparison of E Series and Viking Pump

E Series Model:	E1-69
Viking Model:	**"LL"**
Ideal Flowrate:	0.297 gallons per rev



Pumps with 3" ANSI 150# flanged ports

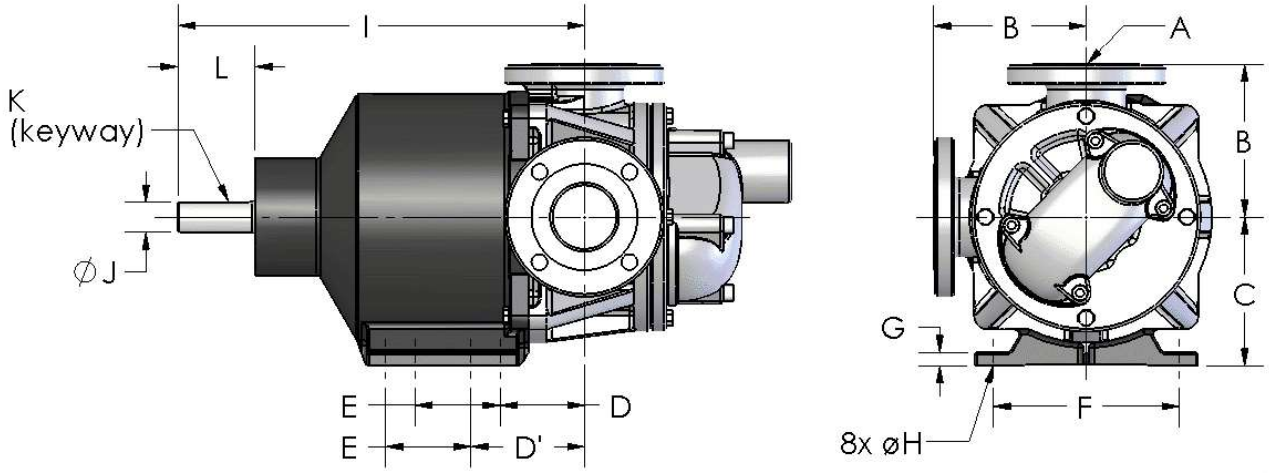
Dim		E Series Value	Viking Value							
			LL4124A (CI)	LL4125 (CI)	LL4225 (CI)	LL4124 (CI)	LL4126A (DI)	LL4123A (CS)	LL4127A (SS)	LL4724 (SS)
A		3" ANSI 150#	✓	✓	✓	✓	✓	✓	✓	✓
B		7.188	✓	✓	✓	✓	✓	✓	✓	✓
C		7.000	✓	✓	✓	✓	✓	✓	✓	✓
D		4.000	✓	✓	✓	✓	✓	✓	✓	✓
D[1]		5.375	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
E		4.000	✓	✓	✓	✓	✓	✓	✓	✓
F		8.750	✓	✓	✓	✓	✓	✓	✓	✓
G		0.625	✓	✓	✓	✓	✓	✓	✓	✓
H		0.531	✓	✓	✓	✓	✓	✓	✓	✓
Standard Shaft	I	19.250	17.875	17.875	17.875	17.875	17.875	17.875	17.875	17.875
	J	1.438	1.125	1.125	1.125	1.125	1.125	1.125	1.125	1.125
	K	.375 square	.250 sq	.250 sq	.250 sq	.250 sq	.250 sq	.250 sq	.250 sq	.250 sq
	L	3.500 (min)	2.250	2.250	2.250	2.250	2.250	2.250	2.250	2.250
Optional Small Shaft	I	17.875	✓	✓	✓	✓	✓	✓	✓	✓
	J	1.125	✓	✓	✓	✓	✓	✓	✓	✓
	K	.250 sq	✓	✓	✓	✓	✓	✓	✓	✓
	L	2.250 (min)	✓	✓	✓	✓	✓	✓	✓	✓

Pumps with 4” ANSI 150# flanged ports (optional)

Dim		E Series Value	Viking Value			
			LL4124A (CI)	LL4125 (CI)	LL4225 (CI)	LL4127A (SS)
A		3” ANSI 150#	✓	✓	✓	✓
B		7.188	7.375	7.375	7.375	7.375
C		7.000	✓	✓	✓	✓
D		4.000	✓	✓	✓	✓
D[1]		5.375	n/a	n/a	n/a	n/a
E		4.000	✓	✓	✓	✓
F		8.750	✓	✓	✓	✓
G		0.625	✓	✓	✓	✓
H		0.531	✓	✓	✓	✓
Standard Shaft	I	19.250	17.875	17.875	17.875	17.875
	J	1.438	1.125	1.125	1.125	1.125
	K	.375 square	.250 sq	.250 sq	.250 sq	.250 sq
	L	3.500 (min)	2.250	2.250	2.250	2.250
Opt:ional Small Shaft	I	17.875	✓	✓	✓	✓
	J	1.125	✓	✓	✓	✓
	K	.250 sq	✓	✓	✓	✓
	L	2.250 (min)	✓	✓	✓	✓

Dimensional Comparison of E Series and Viking Pump

E Series Model:	E1-82
Viking Model:	"LS"
Ideal Flowrate:	0.357 gallons per rev



Pumps with 3" ANSI 150# flanged ports

Dim		E Series Value	Viking Value						
			LS4124A (CI)	LS4125 (CI)	LS4225 (CI)	LS4124 (CI)	LS4126A (DI)	LS4123A (CS)	LS4127A (SS)
A		3" ANSI 150#	✓	✓	✓	✓	✓	✓	✓
B		7.188	✓	✓	✓	✓	✓	✓	✓
C		7.000	✓	✓	✓	✓	✓	✓	✓
D		4.000	n/a	n/a	n/a	n/a	n/a	n/a	n/a
D[1]		5.375	✓	✓	✓	5.188	✓	✓	✓
E		4.000	✓	✓	✓	✓	✓	✓	✓
F		8.750	✓	✓	✓	✓	✓	✓	✓
G		0.625	✓	✓	✓	✓	✓	✓	✓
H		0.531	✓	✓	✓	✓	✓	✓	✓
Standard Shaft	I	19.250	✓	✓	✓	18.375	✓	✓	✓
	J	1.438	✓	✓	✓	✓	✓	✓	✓
	K	.375 square	✓	✓	✓	✓	✓	✓	✓
	L	3.500 (min)	✓	✓	✓	✓	✓	✓	✓
Optional Small Shaft	I	17.875	19.250	19.250	19.250	19.250	19.250	19.250	19.250
	J	1.125	1.438	1.438	1.438	1.438	1.438	1.438	1.438
	K	.250 sq	.375 sq	.375 sq	.375 sq	.375 sq	.375 sq	.375 sq	.375 sq
	L	2.250 (min)	3.500	3.500	3.500	3.500	3.500	3.500	3.500

(1) = OPTIONAL SMALL SHAFT AND D1 MOUNTING HOLES MATCH MOUNTING DIMENSIONS OF MOST L, LQ AND LL MODELS.

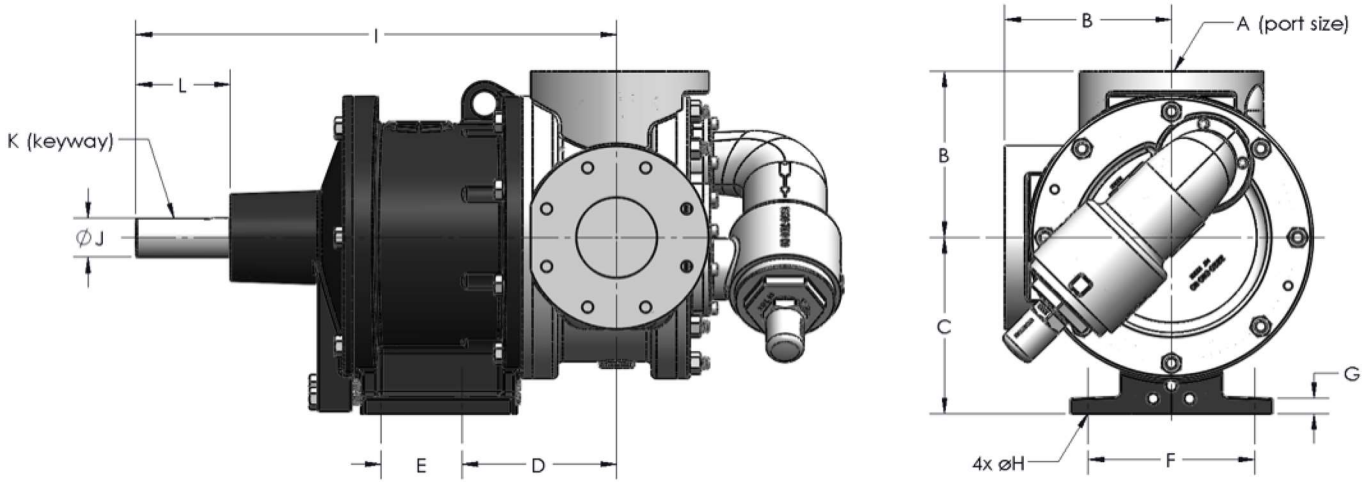
Pumps with 4” ANSI 150# flanged ports (optional)

Dim		E Series Value	Viking Value						
			LS4124A (CI)	LS4125 (CI)	LS4225 (CI)	LS4123A (CS)	LS4223A (CS)	LS4127A (SS)	LS4227A (SS)
A		4” ANSI 150#	✓	✓	✓	✓	✓	✓	✓
B		7.188	✓	✓	✓	✓	✓	✓	✓
C		7.000	✓	✓	✓	✓	✓	✓	✓
D		4.000	n/a	n/a	n/a	n/a	n/a	n/a	n/a
D[1]		5.375	✓	✓	✓	✓	✓	✓	✓
E		4.000	✓	✓	✓	✓	✓	✓	✓
F		8.750	✓	✓	✓	✓	✓	✓	✓
G		0.625	✓	✓	✓	✓	✓	✓	✓
H		0.531	✓	✓	✓	✓	✓	✓	✓
Standard Shaft	I	19.250	✓	✓	✓	✓	✓	✓	✓
	J	1.438	✓	✓	✓	✓	✓	✓	✓
	K	.375 square	✓	✓	✓	✓	✓	✓	✓
	L	3.500 (min)	✓	✓	✓	✓	✓	✓	✓
Opt.ional Small Shaft	I	17.875	19.250	19.250	19.250	19.250	19.250	19.250	19.250
	J	1.125	1.438	1.438	1.438	1.438	1.438	1.438	1.438
	K	.250 sq	.375 sq	.375 sq	.375 sq	.375 sq	.375 sq	.375 sq	.375 sq
	L	2.250 (min)	3.500	3.500	3.500	3.500	3.500	3.500	3.500

(1) = OPTIONAL SMALL SHAFT AND D1 MOUNTING HOLES MATCH MOUNTING DIMENSIONS OF MOST L, LQ AND LL MODELS.

Dimensional Comparison of E Series and Viking Pump

E Series Model:	E1-133
Viking Model:	**"Q"**
Ideal Flowrate:	0.655 gallons per rev

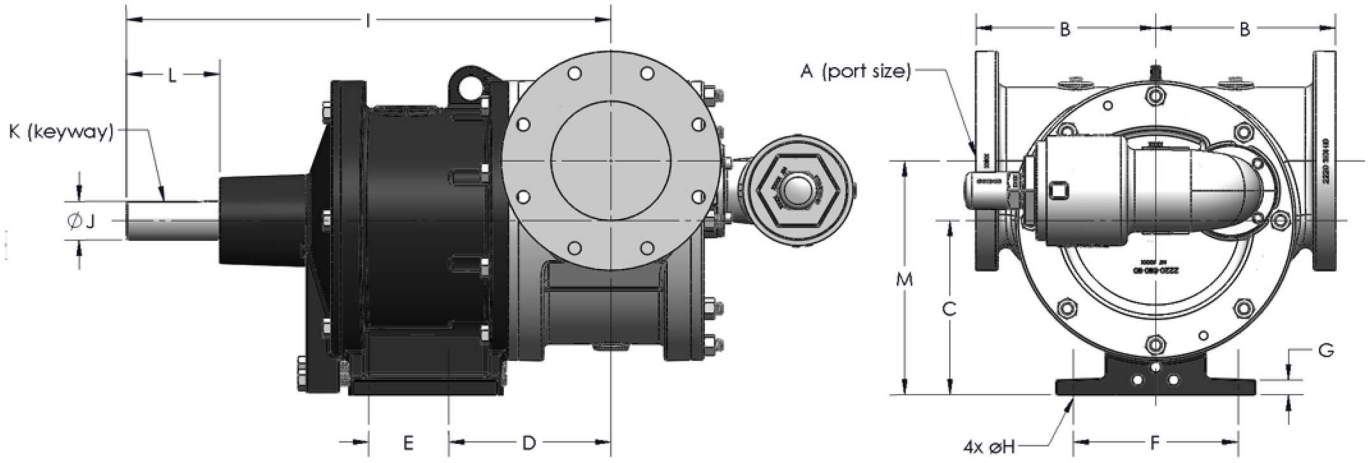


Pumps with 4" 150# ANSI flanged ports

Dim	E Series Value	Viking Value													
		Q4124A (CI)	Q4224A (CI)	Q4124B (CI)	Q4224B (CI)	Q4125 (CI)	Q4225 (CI)	QR4124 (CI)	QR4224 (CI)	Q4126A (DI)	Q4226A (DI)	Q4123A (CS)	Q4223A (CS)	Q4127A (SS)	Q4227A (SS)
A	4" ANSI 150#	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B	8.250	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
C	8.750	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D	7.650	✓	✓	✓	✓	✓	✓	4.620	✓	✓	✓	✓	✓	✓	✓
E	4.000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
F	8.240	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
G	0.750	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
H	0.690	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
I	23.780	✓	✓	✓	✓	✓	✓	20.750	✓	✓	✓	✓	✓	✓	✓
J	1.938	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
K	.500 square	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
L	4.500 (min)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Dimensional Comparison of E Series and Viking Pump

E Series Model:	E1-222
Viking Model:	**"QS"**
Ideal Flowrate:	0.982 gallons per rev



Pumps with 6" 150# ANSI flanged ports

Dim	E Series Value	Viking Value											
		QS4124A (CI)	QS4224A (CI)	QS4124B (CI)	QS4224B (CI)	QS4125 (CI)	QS4225 (CI)	QS4126A (DI)	QS4226A (DI)	QS4123A (CS)	QS4223A (CS)	QS4127A (SS)	QS4227A (SS)
A	6" ANSI 150#	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B	9.000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
C	8.750	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D	8.120	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
E	4.000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
F	8.240	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
G	0.750	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
H	0.690	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
I	24.250	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
J	1.938	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
K	.500 square	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
L	4.500 (min)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
M	11.750	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

PSG Grand Rapids
1809 Century Avenue SW
Grand Rapids, MI 49503 USA
P: +1 (616) 241-1611 • F: +1 (616) 241-3752
info@blackmer.com
blackmer.com

Where Innovation Flows

PSG® reserves the right to modify the information and illustrations contained in this document without prior notice. This is a non-contractual document. 05- 2018