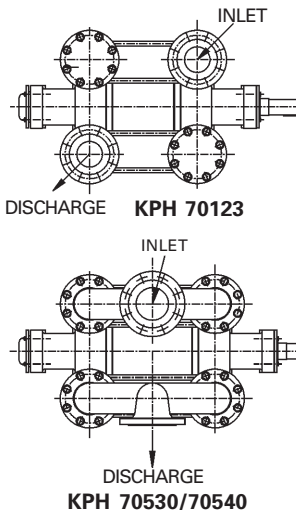
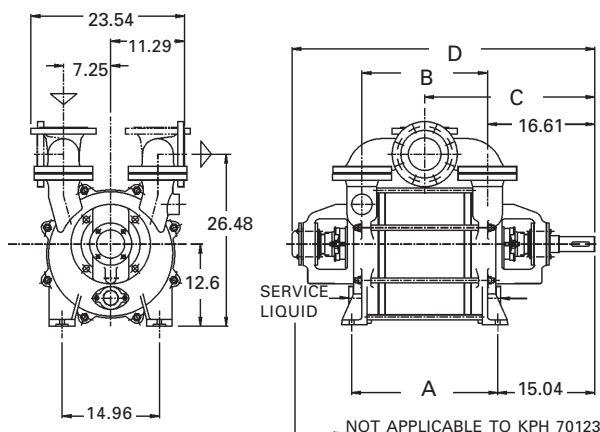


Dimensions (inches)

Pump Model	A	B	C	D
70123	19.70	16.59		43.80
70530	22.44	19.29	26.26	46.65
70540	26.38	23.23	28.23	50.59

For connection sizes/ratings and motor sizes refer to engineering data table on reverse.



For baseplate mounting, please obtain factory certified dimensions.

Capacity Table

Pump Model - KPH 70123												
Speed (RPM)	2 PSIG		5 PSIG		10 PSIG		15 PSIG		20 PSIG		22 PSIG	
	scfm	HP	scfm	HP	scfm	HP	scfm	HP	scfm	HP	scfm	HP
1175	590	28	590	34	585	48	575	60	545	73	520	78
975	485	19	477	25	455	35	415	45	350	54	320	57
880	425	16	410	22	375	30	335	38				
Pump Model - KPH 70530												
1175	785	35	782	46	775	62	762	78	722	94	695	100
975	640	24	635	33	600	46	545	58	470	70	430	74
880	565	19	545	25	500	38	425	49				
Pump Model - KPH 70540												
1175	1030	45	1030	57	1025	75	980	95	860	115	795	125
975	900	30	885	40	835	55	760	70	655	85	610	90
880	785	23	760	32	695	48	600	62				

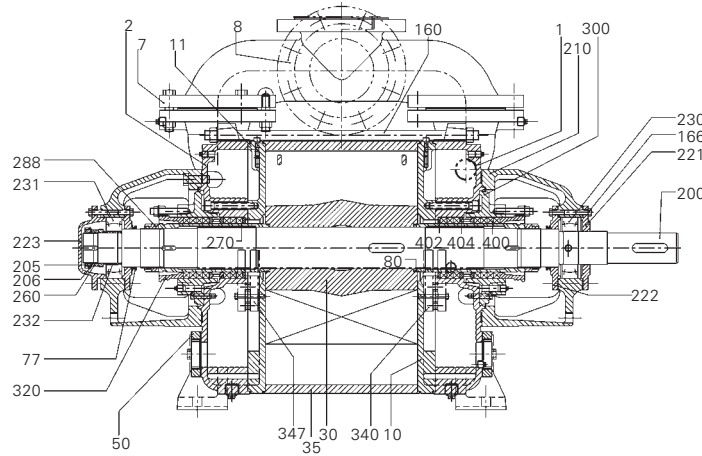
This data represents average values for pumps in standard materials. Capacity in cubic feet per minute of free air at 68°F (20°C) using 60°F (16°C) water as a service liquid. Discharge pressure measured at the pump discharge flange.

ENGINEERING DATA

PUMP MODEL	70123	70530	70540
Gas Conn. Size/Rating (U)	4"/150 RF	5"/150 RF	5"/150 RF
Service Liq. Line Size/Rating (U _B)	2"/NPT	2"/NPT	2"/NPT
Cont. Drain Size/Rating (U _{se})	3/4"/NPT	3/4"/NPT	3/4"/NPT
Motor (@ 1750 rpm) HP	100	100	150
Bare Pump Wt. (lb)	850	1100	1200
4 Direct Dr. Basemount (lb)	2650	2900	3660
Min. V-Belt Sheave Dia.	14	14	15.7
T-Separator/Trap Model	Upon Request	Upon Request	Upon Request
Separator Size - Recirc. (Gal.)	100	140	140
1/2 Norm. Max. Gas Temp. (°F)	212	212	212
2 Max. Service Liq. Temp. (°F)	176	176	176
3 Sound Level (dBA)	82	82	82
Moment of Inertia Wr ² (lb. ft ²)	32.27	41.76	53.63
Casing Max. WP / Hydro (psi)	30/45	30/45	30/45

1. Max. gas temperature with saturated gases.
2. Higher temperatures possible on request.
3. At 3 ft., 1175 RPM w/o motor (not certified).
4. Basemount includes pump, motor, base, coupling and guard.

SECTIONAL



PARTS LIST

1. Suction Cover	35. Centerbody	206. Lockwasher	232. Bearing Sleeve	347. Orifice Plate Assembly
2. Discharge Cover	50. Counter Flange	210. Bearing Housing	260. Spacer	400. Packing Ring
7. Suction Manifold	77. Splash Ring	221. Bearing Cover	270. Shaft Sleeve	402. Neck Ring
8. Discharge Manifold	80. O-ring	222. Bearing Cover	288. Shaft Nut	404. Lantern Ring
10. Intermediate	160. Tie Bolt Assembly	223. Bearing Retainer	300. Stuffing Box Flange	
11. Intermediate	200. Shaft	230. Bearing	320. Gland	
30. Impeller	205. Bearing Nut	231. Bearing	340. Orifice Plate Assembly	

MATERIALS

ITEM	0B	4B
Casing - Wetted	Cast Iron	316 SS
Intermediates	Cast Iron	316 SS
Impeller(s)	Ductile Iron	316 SS
Shaft ⁵	420 SS QT	420 SS QT
Shaft Sleeves	420 SS	316 SS
Shaft Sealing	ADB ⁶	ADB ⁶
Casing- Non Wetted	Cast Iron	Cast Iron

⁵ Shaft is a non-wetted part ⁶ADB = single o-ring pusher seal with o-rings, carbon vs. SiC faces

SERVICE LIQUID RATES (USGPM)

PUMP MODEL - KPH 70123																
Pump Speed	5 PSIG			10 PSIG			15 PSIG			20 PSIG			22 PSIG			
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
1175	6.4	4.7	3.7	10.3	7.2	5.6	14.1	9.6	7.3	17.9	12.1	9.1	19.5	13.1	9.8	
975	6.9	4.5	3.3	11.3	6.9	5.0	15.7	9.3	6.6	20.2	11.6	8.2	21.9	12.5	8.7	
880	7.6	4.5	3.2	12.8	7.0	4.8	18.0	9.3	6.3							
PUMP MODEL - KPH 70530																
1175	12.7	8.2	6.1	19.3	12.0	8.7	25.9	15.7	11.2	32.5	19.4	13.8	35.1	20.8	14.8	
975	13.7	7.5	5.2	20.7	11.0	7.5	27.6	14.3	9.6	34.6	17.6	11.8	37.3	18.7	12.5	
880	14.5	6.8	4.4	22.0	10.3	6.7	29.6	13.5	8.8							
PUMP MODEL - KPH 70540																
1175	15.1	9.9	7.4	21.6	13.8	10.1	28.1	17.8	13.0	34.6	21.7	15.9	37.2	23.5	17.1	
975	15.9	8.9	6.2	22.9	12.6	8.7	29.8	16.2	11.1	36.8	19.9	13.6	39.5	21.2	14.5	
880	16.6	8.2	5.5	24.6	12.3	8.2	32.6	16.0	10.6							

Column 'A' is the flow in USGPM required - once through.
 Column 'B' is the make-up flow required when make-up water is 5°C (9°F) cooler than service water.
 Column 'C' is the make-up flow when make-up water is 10°C (18°F) cooler than service water.
 For continuous operation, the service liquid supply pressure should be at least the suction pressure, plus 80% of the differential pressure from suction to discharge.

* Not applicable to LPH 70123

Standard rotation 'AB' (clockwise) viewed from driven end. 'AL' (counter clockwise) upon request.