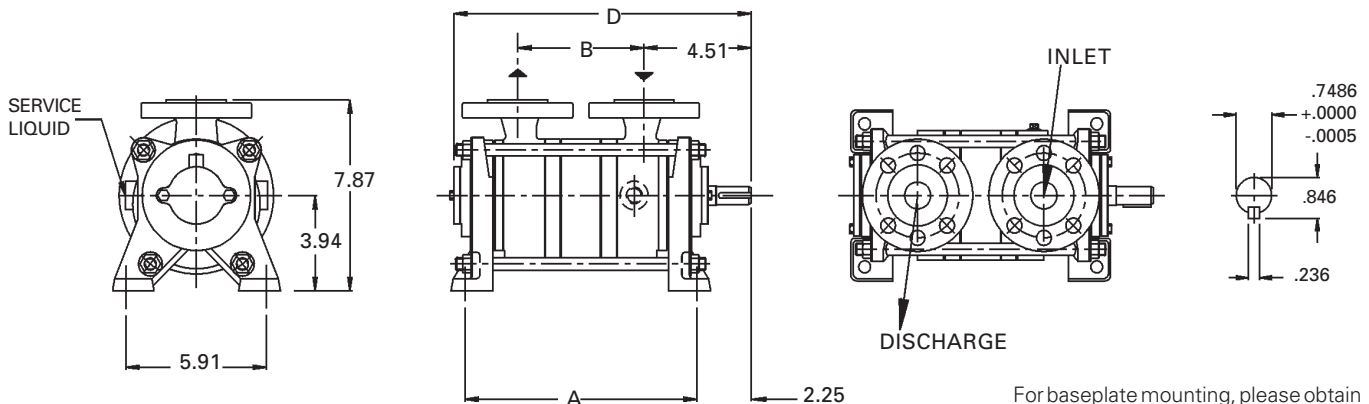


Dimensions (inches)

Pump Model	A	B	C	D
20103**	8.97	4.52		11.88
20107	10.32	5.87		13.23

** KPH 20103 to be supplied with companion flanges.
 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 20103																
Speed (RPM)	2 PSIG		4 PSIG		6 PSIG		8 PSIG		10 PSIG		12 PSIG		14 PSIG		15 PSIG	
	scfm	HP	scfm	HP	scfm	HP	scfm	HP	scfm	HP	scfm	HP	scfm	HP	scfm	HP
3500	13.5	1.1	13.5	1.2	13.5	1.3	13.5	1.4	13.3	1.6	12.7	1.8	11.0	2.0	8.6	2.2
2900	10.6	0.6	10.6	0.7	10.6	0.8	9.8	0.9	8.1	1.0	5.8	1.1				

Pump Model - KPH 20107																
Speed (RPM)	2 PSIG		4 PSIG		6 PSIG		8 PSIG		10 PSIG		12 PSIG		14 PSIG		15 PSIG	
	scfm	HP	scfm	HP	scfm	HP	scfm	HP	scfm	HP	scfm	HP	scfm	HP	scfm	HP
3500	30.0	1.6	30.0	1.8	29.8	2.1	29.5	2.4	28.6	2.7	27.6	3.0	25.7	3.4	24.3	3.7
2900	24.2	1.1	23.8	1.3	23.0	1.5	21.7	1.7	19.8	1.8	17.4	2.1				

This data represents average values for pumps in standard materials. Capacity in cubic feet per minute 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	20103	20107
1 Gas Conn. Size/Rating (U)	1¼"/150NPT	1¼"/150RF
Service Liq. Line Size/Rating (U _s)	¾"/NPT	¾"/NPT
Cont. Drain Size/Rating (U _{se})	N/A	N/A
Motor (@ 3500 rpm) HP	3	5
Bare Pump Wt. (lb)	50	55
5 Direct Dr. Basemount (lb)	155	180
6 Min. V-Belt Sheave Dia.	3.15"	3.54"
T-Separator/Trap Model	Upon Request	Upon Request
Separator Size - Recirc. (Gal.)	10	10
2/3 Norm. Max. Gas Temp. (°F)	248	248
3 Max. Service Liq. Temp. (°F)	212	212
4 Sound Level (dBA)	71	71
Moment of Inertia Wr ² (lb. ft ²)	.079	.119
Casing Max. WP / Hydro (psi)	30/45	30/45

- KPH 20103 supplied with threaded companion flanges.
- Max. gas temperature with saturated gases.
- Higher temperatures possible on request.
- At 3 ft., 3500 RPM w/o motor (not certified).
- Basemount includes pump, motor, coupling, guard and base.
- Special pump bearing required for V-Belt applications.

SERVICE LIQUID RATES (USGPM)

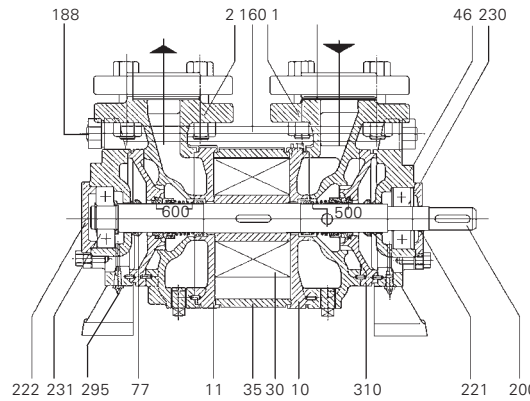
PUMP MODEL - KPH 20103															
Pump Speed	3 PSIG			6 PSIG			9 PSIG			12 PSIG			15 PSIG		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
3500	0.7	0.3	0.2	1.0	0.4	0.2	1.25	0.5	0.3	1.55	0.6	0.4	1.85	0.7	0.4
2900		0.2	0.1		0.3	0.2		0.3	0.2		0.4	0.2			

PUMP MODEL - KPH 20107															
Pump Speed	3 PSIG			6 PSIG			9 PSIG			12 PSIG			15 PSIG		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
3500	0.7	0.4	0.3	1.0	0.5	0.3	1.25	0.6	0.4	1.55	0.8	0.5	1.85	0.9	0.6
2900		0.3	0.2		0.4	0.3		0.5	0.3		0.6	0.4			

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.

Note: The service liquid supply pressure may vary with pump speed and discharge pressure. Please consult factory engineering department for additional information.

SECTIONAL



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

PARTS LIST

- | | | | |
|--------------------|------------------------|-----------------------|----------------------|
| 1. Suction Cover | 35. Centerbody | 200. Shaft | 295. Grease Fitting |
| 2. Discharge Cover | 46. Bearing Flange | 221. Bearing Cover | 310. Seal Housing |
| 10. Intermediate | 77. Splash Ring | 222. Bearing Retainer | 500. Mechanical Seal |
| 11. Intermediate | 160. Tie Bolt Assembly | 230. Bearing | 600. Mechanical Seal |
| 30. Impeller | 188. Nut | 231. Bearing | |

MATERIALS

ITEM	OE	4B
Casing-Wetted	Cast Iron	316 SS
Intermediates	Cast Iron	316 SS
Impeller(s)	316 SS	316 SS
Shaft	420 SS QT	316 SS
Shaft Sleeves	N/A	N/A
Shaft Sealing	AHF ⁷	AHF ⁷
Casing-Non Wetted	Cast Iron	Cast Iron

⁷AHF = single seal with viton orings, carbon vs. SS faces