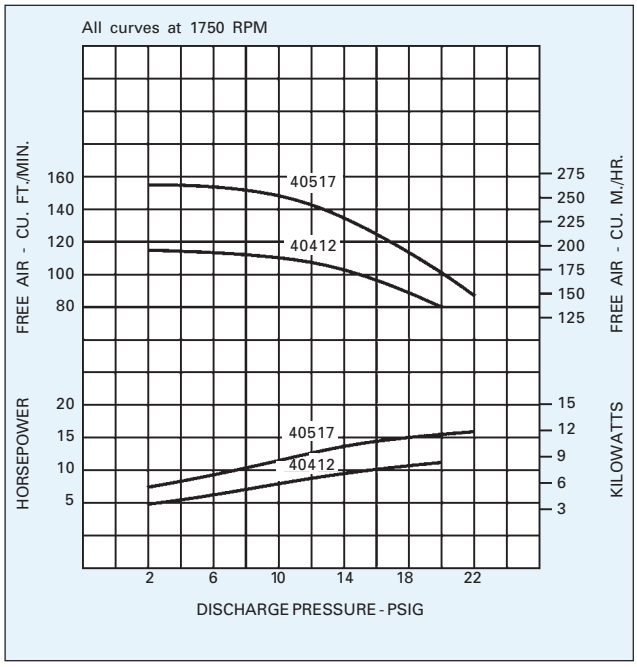
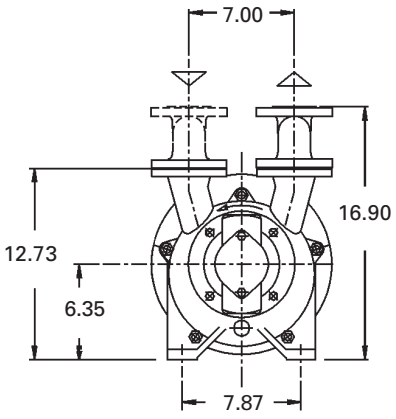
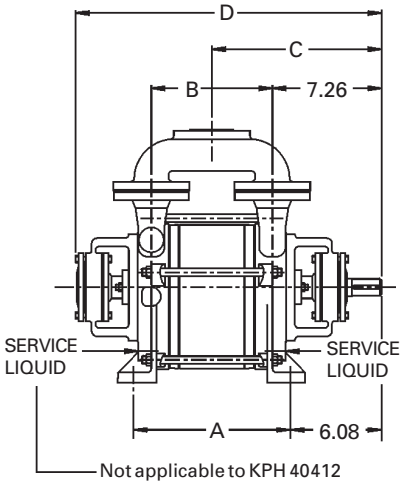


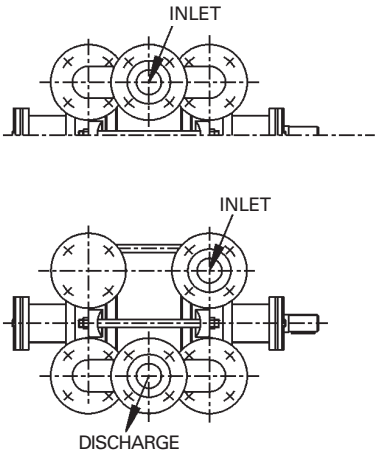
Dimensions (inches)

Pump Model	A	B	C	D
40412	10.40	8.04	11.28	20.35
40517	12.17	9.81	12.17	22.12

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 40412

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
1750	115	4.8	114	5.7	112	8.0	103	10.0	80	11.2		

Pump Model - KPH 40517

1750	155	7.4	155	8.7	151	11.4	132	14.5	102	15.5	87	15.9

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.

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ENGINEERING DATA

PUMP MODEL	40412	40517
Gas Conn. Size/Rating (U)	1½"/150 RF	2"/150 RF
Svc. Liq. Line Size/Rating (U_B)	½"/NPT	½"/NPT
Cont. Drain Size/Rating (U_{se})	NA	NA
Motor (@ 1750 rpm) HP	15	20
Bare Pump Wt. (lb)	150	184
4 Direct Dr. Basemount (lb)	472	556
5 Min. V-Belt Sheave Dia.	7.1"	7.1"
T-Separator/Trap Model	Upon Request	Upon Request
Separator Size - Recirc. (Gal.)	24	30
1/2 Norm. Max. Gas Temp. (°F)	200	200
2 Max. Service Liq. Temp. (°F)	180	180
3 Sound Level (dBA)	70	70
Moment of Inertia Wr^2 (lb. ft^2)	1.29	1.64
Casing Max. WP / Hydro (psi)	30/45	30/45

1. Max. gas temperature with saturated gases.
2. Higher temperatures possible on request.
3. At 3 ft., 1750 RPM w/o motor (not certified).
4. Basemount includes pump, motor, coupling, guard and base.
5. Special pump bearings required for V-Belt applications.

SERVICE LIQUID RATES (USGPM)

PUMP MODEL- KPH 40412

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
1750	1.7	1.1	.75	2.8	1.7	1.2	4.0	2.2	1.6	5.0	2.7	1.8			

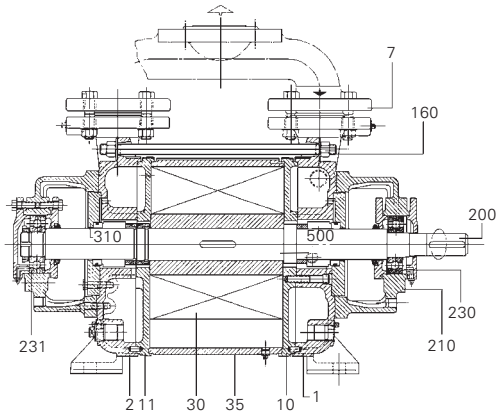
PUMP MODEL- KPH 40517

1750	3.5	2.0	1.4	5.0	2.7	1.8	7.5	3.0	1.9	9.0	4.2	2.8	10.0	4.5	2.9

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
2. Discharge Cover
7. Suction & Discharge Manifolds
10. Intermediate
11. Intermediate
30. Impeller
35. Centerbody
160. Tie Bolts Assembly
200. Shaft
210. Bearing Housing
230. Bearing
231. Bearing
310. Seal Cover
500. Mechanical Seal

MATERIALS

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

[6] AAB = single bellows seal with viton elastomers, carbon vs SiC faces

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