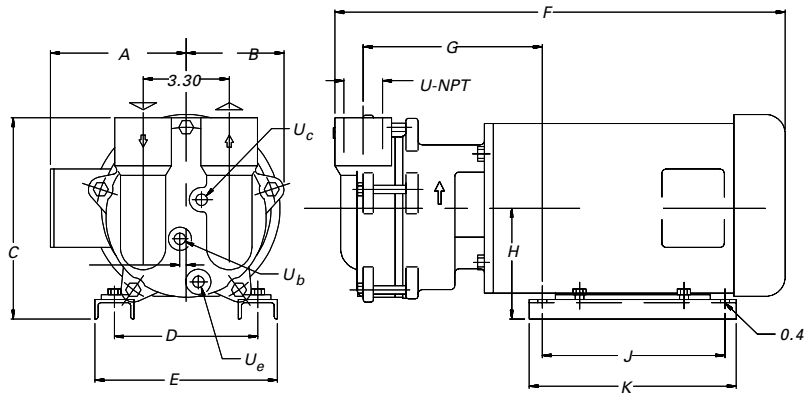


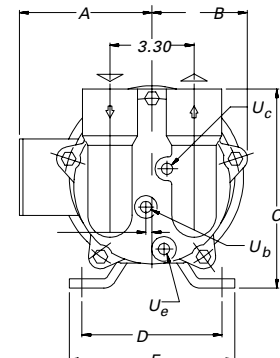
Dimensions (inches)

PUMP MODEL	A	B	C	D	E	F	G	H	J	K	U
LEM 40	5.20	3.75	7.72	5.50	7.00	17.26	6.86	4.25	7.00	8.00	1.25
LEM 60	7.12	3.75	7.97	7.50	8.62	20.44	9.59	4.50	4.50	6.50	1.25

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



LEM 40



LEM 60

Capacity Table

Pump Model - LEM 40																			
Speed (RPM)	6" Hg. V. 608 Torr		12" Hg. V. 455 Torr		18" Hg. V. 303 Torr		20" Hg. V. 252 Torr		22" Hg. V. 201 Torr		24" Hg. V. 150 Torr		26" Hg. V. 100 Torr		28" Hg. V. 49 Torr		28.92" Hg. V. 25 Torr		
	cfm	HP	cfm	HP	cfm	HP	cfm	HP	cfm	HP	cfm	HP	cfm	HP	cfm	HP	cfm	HP	
3500	24.0	1.3	24.0	1.4	23.5	1.6	23.0	1.6	22.0	1.6	20.5	1.5	16.5	1.4	8.0	1.1	--	--	
Pump Model - LEM 60																			
3500	36.5	2.6	37.0	2.8	37.0	3.0	37.0	3.0	37.0	2.9	35.0	2.8	30.5	2.7	23.0	2.3	8.0	2.1	
2900	28.0	1.7	28.4	2.0	27.3	2.2	27.3	2.2	26.2	2.2	26.0	2.1	24.6	2.1	13.5	1.7	5.0	1.5	
Pump Model																			

This data represents average values for pumps in standard materials. Capacity in cubic feet per minute at 68°F (20°C) using 60°F (15°C) water as a service liquid. Vacuum in inches Hg. Barometric pressure at sea level 29.92" Hg. abs. (760 Torr).

All performance data per HEI standards; subject to SIHI standard tolerances.

All data subject to change without notice.

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04.LEM 40/60.01



ENGINEERING DATA

PUMP MODEL	LEM 40	LEM 60
Gas Conn. Size -'U'	1 1/4" NPT	1 1/4" NPT
Ser. Liq. Line Qty/Size -"U _B "	1/4" NPT	1/4" NPT
Drain (U _D) & Cav. (U _C) Size	1/4" NPT	1/4" NPT
Pump & Motor Wt. (lb.)	64	85
Separator Size-Recirc (G)	3	3
1/2 Norm Max. Gas Temp. (°F)	200	200
Norm Max. Liq. Temp. (°F)	180	180
Sound Level @24" Hg. (dBA)	74	75
3 Casing Max. WP/Hydro (PSIG)	30/45	30/45
Motor Data		
Motor Speed @ 60 HZ.	3500	3500
Motor Speed @ 50 HZ.	2900	2900
Std. HP/Frame @ 60 HZ.	2/145 TCZ	3/182 TCZ
Std. HP/Frame @ 50 HZ.	1.5/145 TCZ	2.5/182 TCZ
Std. Motor Enclosure	TEFC	TEFC
Motor Code Approvals	UL,CSA	UL,CSA
Std. Service Factor	1.15	1.15
Stock Voltages	208/230/460	208/230/460
	575	575
Alt Enclosures Available	XPFC1GRD	XPFC1GRD

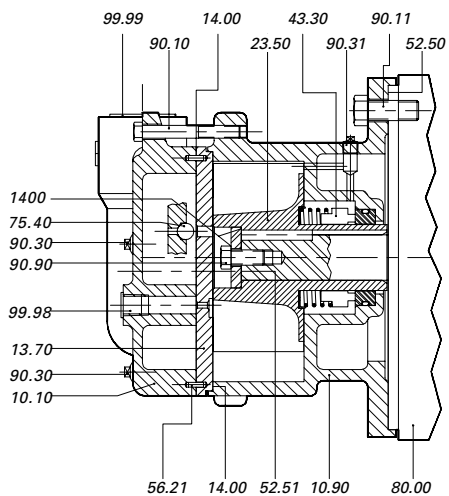
1. Max. temp. with saturated gases.
2. Higher temp. possible on request
3. At 3 ft., 3500 RPM with motor (not certified)

SERVICE LIQUID RATES

PUMP MODEL- LEM 40															
Pump Speed	12" Hg. V. 455 Torr			16" Hg. V. 354 Torr			20" Hg. V. 252 Torr			24" Hg. V. 150 Torr			28" Hg. V. 49 Torr		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
3500	1.5	0.5	0.3	1.5	0.5	0.3	1.5	0.5	0.3	1.5	0.5	0.3	1.5	0.4	0.2
2900		--	--		--	--		--	--		--	--		--	--
PUMP MODEL- LEM 60															
3500	1.5	0.7	0.5	1.5	0.8	0.5	1.5	0.8	0.5	1.5	0.7	0.5	1.5	0.7	0.4
2900		0.6	0.4		0.6	0.4		0.6	0.4		0.6	0.4		0.6	0.3
PUMP MODEL															

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.

SECTIONAL



PARTS LIST

- 10.10 Cover
- 10.90 Centerbody
- 13.70 Intermediate
- 14.00 Gasket-Compound
- 23.50 Impeller
- 43.30 Mechanical Seal
- 52.50 Shim Set
- 52.51 Shim Set
- 56.21 Locating Pin
- 63.00 Impeller Plate
- 75.40 Orifice Ball
- 80.00 Motor/TEFC
- 90.10 Bolt
- 90.11 Bolt
- 90.30 Plug
- 90.90 Bolt
- 99.98 Plug - Plastic
- 99.99 Plug - Plastic

MATERIALS

ITEM	OA	OE	4B	OTHER ⁵
Casing-Wetted	Cast Iron	Cast Iron	316 SS	
Intermediate	Cast Iron	Cast Iron	316 SS	
Impeller	Bronze	316 SS	316 SS	
4 Motor Shaft	Carbon Steel	Carbon Steel	Carbon Steel	
Mechanical Shaft	AAA ⁶	AAA ⁶	AAB ⁷	

⁴Motor shaft is a non-wetted part ⁵Completed as Necessary ⁶AAA =single bellows seal with buna elastomers, carbon vs ceramic faces
⁷AAB =single bellows seal with viton elastomers, carbon vs SiC faces

