

DOLPHIN LIQUID RING VACUUM PUMP



MODELS LC 0030-0400

DESCRIPTION

The Busch Dolphin vacuum pump is part of a new series of liquid ring vacuum pumps. It is designed for a wide range of industries and can be easily adapted to any process. It is ideal for OEM users. The pump is able to pump gases and vapors and handle entrained liquids. The LC model is designed for continuous operation and has an ultimate end pressure of 25 torr (29" Hg).



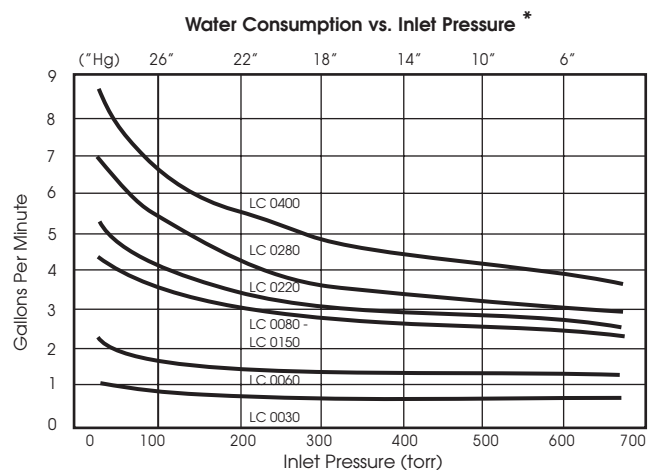
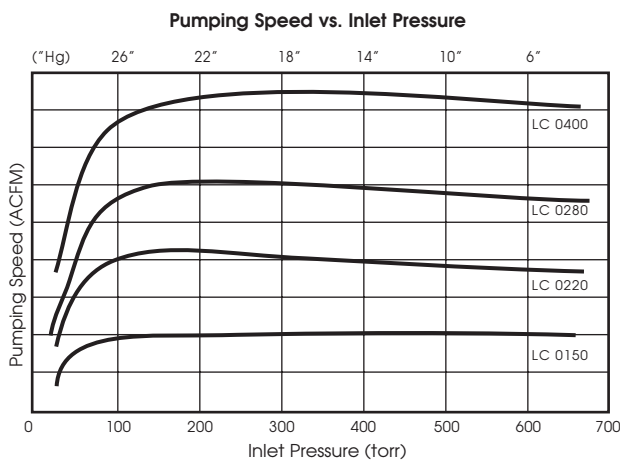
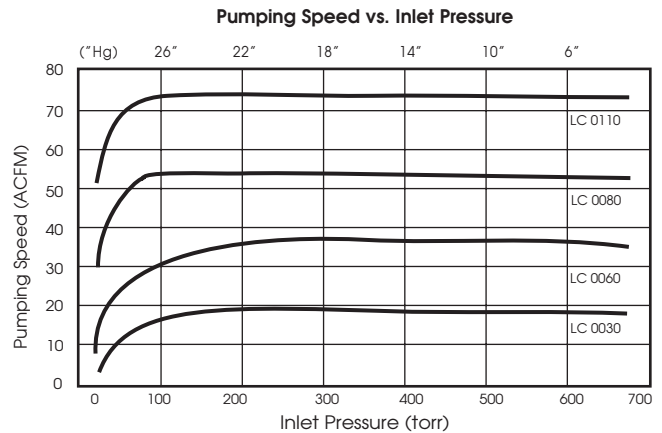
Model LC 0220

FEATURES

- Compact
- Single stage
- Cost effective
- Oil free
- Direct driven
- Maintenance free
- Accessories available

PERFORMANCE DATA

(Based on 60 cycle motor)



*Temperature of sealant fluid may affect capacity of the pump. Consult factory.

STANDARD SPECIFICATIONS

Model LC	0030	0060	0080	0110	0150	0220	0280	0400
Nominal pumping speed (ACFM)	20.6	38.3	54.1	74.7	100	153	200	271
Ultimate end pressure (Torr)	25	25	25	25	25	25	25	25
Ultimate vacuum ("Hg)	29	29	29	29	29	29	29	29
Motor size (kW)	1.1	2.2	3.0	4.6	6.2	8.2	13.2	18
Motor rotational speed (RPM)	3470	3470	1710	1700	1725	1740	1765	1765
Maximum sound level (dBA)	80	80	81	81	82	82	84	84
Approx. weight (lbs)	44	59	124	139	157	254	474	465

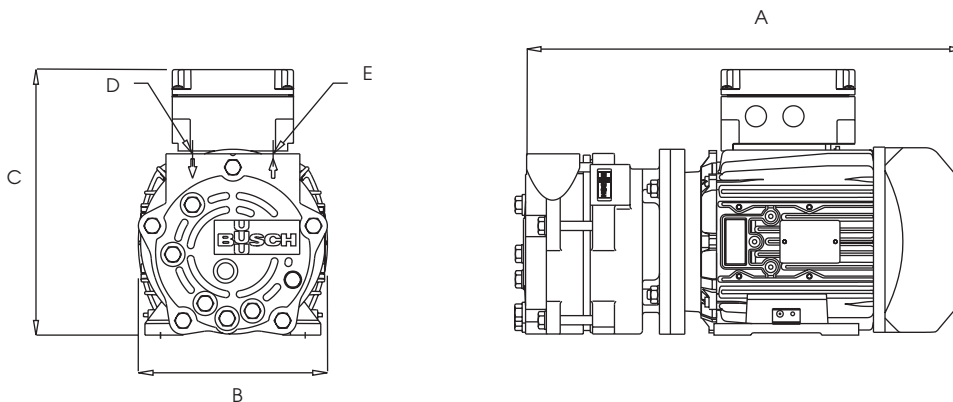
DOLPHIN LIQUID RING VACUUM PUMP



MODELS LC 0030 - 0400

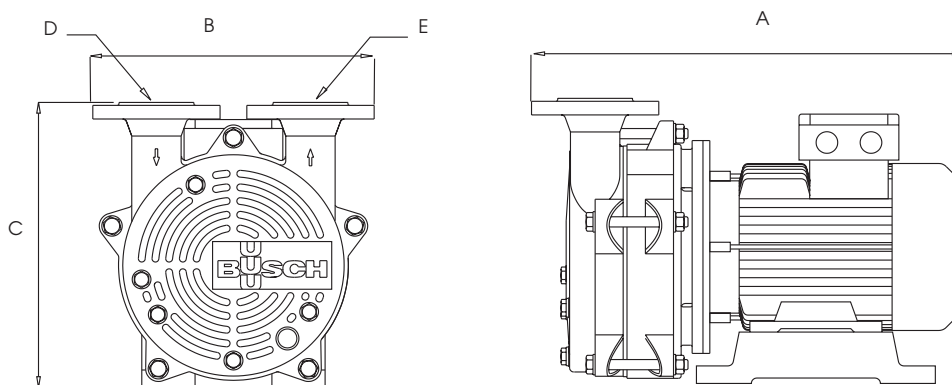
DIMENSIONAL DATA

Models LC 0030 to LC 0060



Model LC 0030 shown

Models LC 0080 to LC 0400



Model LC 0080 shown

Model LC	0030	0060	0080	0110	0150	0220	0280	0400
A Length (inches)	15 3/8	16 3/16	19 15/16	20 5/16	22 7/16	27 1/8	31 13/16	32 5/16
B Width	6 7/16	6 11/16	13	13	13	14 3/8	16 3/4	16 3/4
C Height	9 1/16	9 7/16	13 3/16	13 3/16	13 11/16	15	18 1/2	18 1/2
D Inlet *	G 1	G 1	DIN 40	DIN 40	DIN 40	DIN 50	DIN 65	DIN 65
E. Outlet *	G 1	G 1	DIN 40	DIN 40	DIN 40	DIN 50	DIN 65	DIN 65

*DIN = flange

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