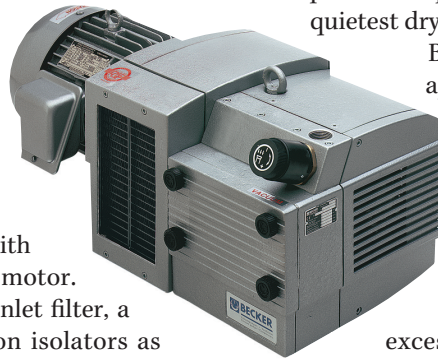


KVT Series

100% OIL-LESS VACUUM PUMPS

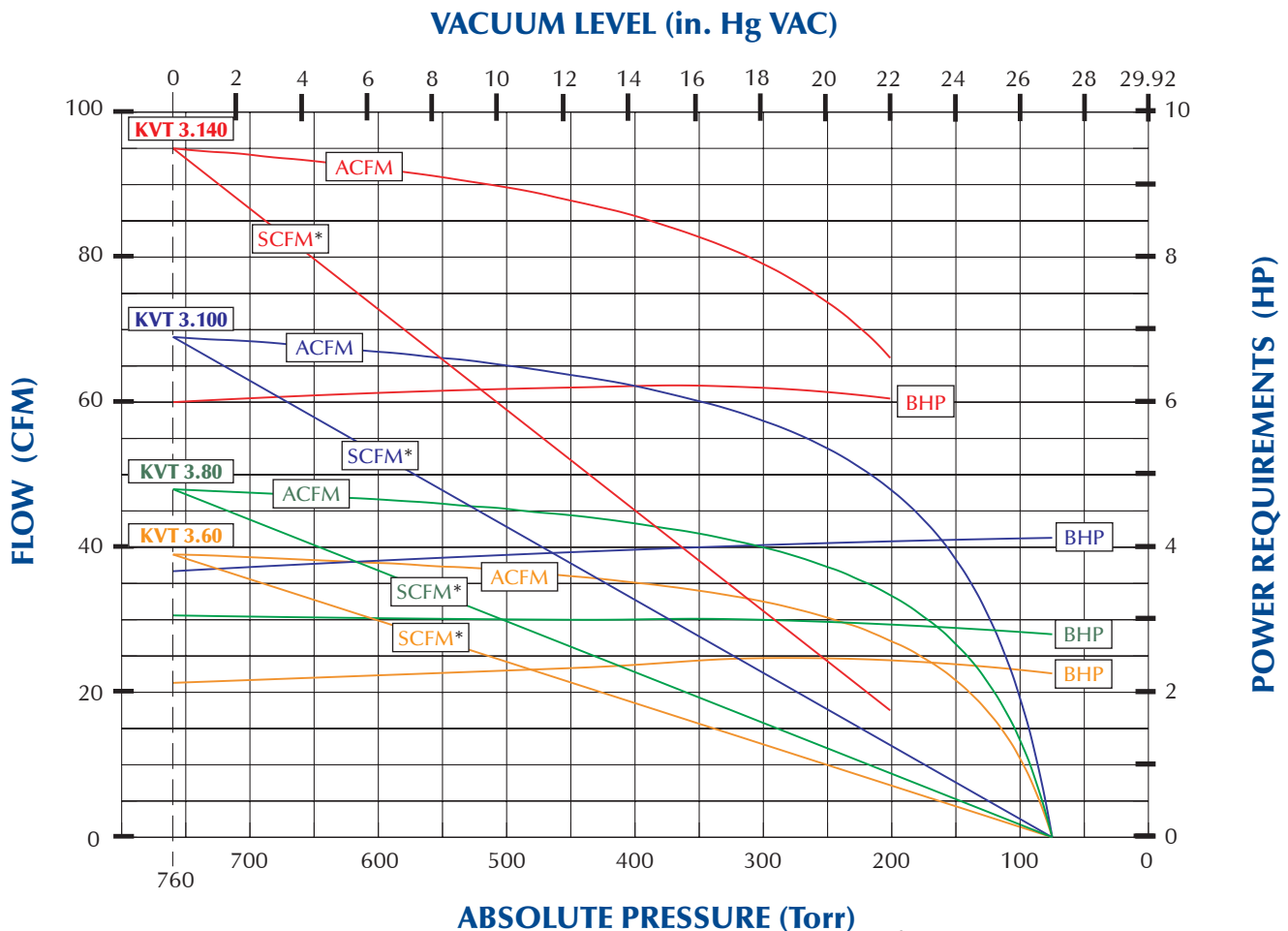
The Becker KVT pumps are 100% Oil-less rotary vane vacuum pumps. They are designed to operate on a continuous basis throughout a vacuum range from atmospheric pressure to as much as 27" Hg (75 Torr), depending on the model.

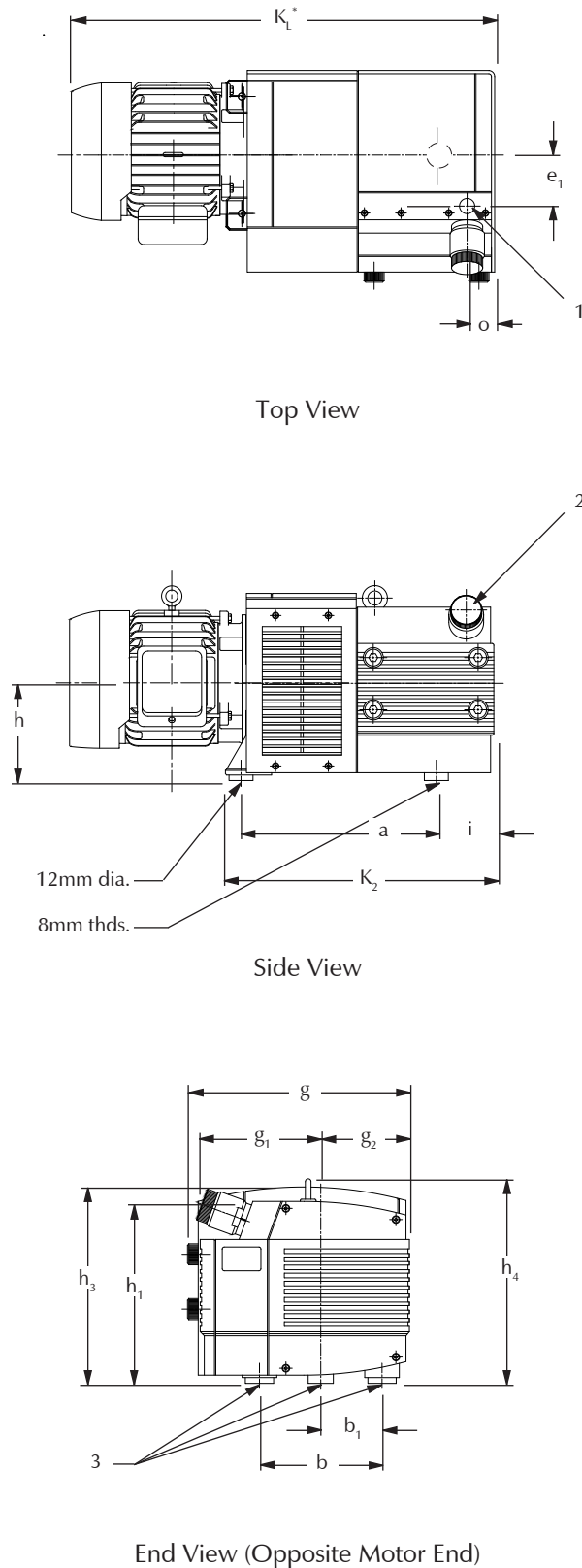
The KVT pump is a direct drive vacuum pump and is supplied with a TEFC flange mounted electric motor. Each pump is equipped with an inlet filter, a vacuum relief valve, and vibration isolators as standard equipment, all of which are an integral



part of the pump. These models are among the quietest dry pumps available in the world.

Becker KVT pumps are ideal for applications where air is the gas and where operation is in the low to medium vacuum range. Applications include those where regenerative blowers cannot reach a deep enough vacuum, or those where oil-flooded vacuum pumps operate at vacuum levels that emit excessive oil aerosols, often referred to as "smoke".



TECHNICAL DATA


All data based on 60 Hz operation

	KVT 3.60	KVT 3.80	KVT 3.100	KVT 3.140
Flow (SCFM @ 0 in. Hg)	39	48	69	95
Horsepower	3	5	5	7½
Speed (RPM)	1740	1740	1740	1740
Maximum Vacuum (in. Hg)	27	27	27	22
Weight (lbs.)—w/o motor	104	108	156	172
Weight (lbs.)—w/ motor*	151	178	230	320
Noise Level (Max. dBA)	73	75	77	79
Inlet size (BSP, inches)	1	1	1½	1½
Dimensional Data	(Inches)			
a	12.83	12.83	15.67	15.67
b	7.5	7.5	9.65	9.65
b ₁	3.75	3.75	4.82	4.82
e ₁	2.56	2.56	3.75	3.75
g	13.9	13.9	18.5	18.5
g ₁	7.68	7.68	8.78	8.78
g ₂	5.55	5.55	9.06	9.06
h	6.38	6.38	6.38	6.38
h ₁	11.38	11.38	11.7	11.7
h ₃	12.28	12.28	13.0	13.0
h ₄	12.9	12.9	13.25	13.25
i	3.78	3.78	5.5	5.5
k ₂	17.64	17.64	22.17	22.17
k _L	27.7	27.7	31.78	32.53
o	1.81	1.81	2.36	2.36

* May vary with motor type and manufacturer
 Manufacturer reserves right to alter data without notice.

- 1 - Vacuum Inlet
- 2 - Vacuum Relief Valve / Regulator
- 3 - Vibration Isolators