



KEH SERIES - Liquid Ring Compressors



SIHI Pumps
www.sterlingamericas.com



KEH SERIES LIQUID RING COMPRESSORS

SIHI PERFORMANCE AND RELIABILITY

Pressure Range Flexibility:

KEH compressors are capable of operating with a **negative** inlet pressure (vacuum) and a **positive** discharge pressure.

Operational Safety:

Low temperature rise, provided by the liquid ring principle of operation, ensures the **safest compression** of thermally sensitive or explosive gases.

Reliable Operation:

Designed with **one moving part, no metal to metal contact**, and requiring **no internal lubrication**, ensures minimum maintenance.

Construction Simplicity:

Allows service in the field with **minimum down time**. Mechanical shaft seals are easily accessible for ease of maintenance.

Robust Construction Eases Service:

Robust shaft minimizes deflection at higher differential pressures.

External Bearing Arrangement:

Compressor bearings are **mounted externally** separate from the gas and service liquid flow, eliminating bearing grease washout.

Entrained Liquid & Vapor Handling:

Liquid slugs or condensable vapors can be pumped **without** damage.

Low Vibration & Noise:

Absence of reciprocating parts assures **quiet and low vibration operation** eliminating the need for special foundations.



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Dry Air Performance

Model Number	SPEED RPM	5 PSIG		10 PSIG		15 PSIG		20 PSIG		25 PSIG		30 PSIG		35 PSIG	
		SCFM	HP	SCFM	HP	SCFM	HP	SCFM	HP	SCFM	HP	SCFM	HP	SCFM	HP
KEH 360	1750	197	16	195	19	185	22	165	24	142	26	124	27.5	103	28
KEH 460	1750	249	21	229	23	195	25.5	180	29	164	32	145	34	127	35.5
KEH 560	1750	323	26	303	30	258	33	236	36	202	37	177	39	157	41
KEH 760	1750	361	29.5	324	35	304	40	289	44	267	48	242	51.5	216	53.5
KEH 860	1750	494	45	481	52	465	58	433	63.5	418	70	402	75.2	368	80.5

Note: Capacity in standard cubic feet per minute at inlet pressure 14.7 PSIA air at 68°F (20°C) and using 59°F (15°C) water as service liquid.
(Consult factory for larger compressor sizes.)



Applications

- Well Head Gas Recovery and Gas Boosting
- Vent Gas Compression
- Methane Gas Recovery
- Compression of Hazardous or Explosive Mixtures
- Vapor Recovery