



LEM SERIES - Close Coupled Vacuum Pumps



SIHI Pumps
www.sterlingamericas.com

LEM SERIES

Close Coupled Vacuum Pumps

SIHI **PERFORMANCE AND RELIABILITY**

R · e · l · i · a · b · i · l · i · t · y

Quiet & Vibration Free:

Low noise and vibration levels ideal for installations in laboratories, health care facilities and sterilizers

Single Stage High Vacuum:

Operate to 28" Hg vacuum or higher with the LEM single stage vacuum pump. Air jet ejectors available to achieve an inlet pressure to 10 Torr

Available from Stock:

Standardized product line made in North America is your assurance of quick delivery

Made In North America:

Ensures compliance to North American standards for both pump and motor

- ANSI Flanges, Inlet & discharge LEM-110, LEM-170, LEM-250
- NPT connections, Inlet & discharge LEM-15, LEM-20, LEM-40, LEM-60
- ASTM standard materials
- UL & CSA approved motors
- CE marked motors on request

Standard Close Coupled Design:

Compact for installation where space is limited
No alignment required

Available in Three Standard Metallurgies:

- High grade cast iron with bronze impeller
- High grade cast iron with 316 stainless steel impeller
- All 316 wetted stainless steel

Standard Features:

- Anti-cavitation port
- Oversize motors available
- TEFC motor enclosures
- 60 Hz and 50 Hz Speeds provided on every pump
- Explosion proof enclosure CL 1, GR D, DIV 1 on request

Simplified Construction, Easy Maintenance:

Mechanical seals are easily installed and removed



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DRY AIR PERFORMANCE

P · e · r · f · o · r · m · a · n · c · e

VACUUM INCHES OF Hg.			6	12	18	22	26	28	28.92	Average Service Liquid Flow in USGPM
mm Hg abs. (Torr)			(608)	(455)	(303)	(201)	(100)	(49)	(25)	
PUMP MODEL	RPM	MOTOR HP	ACFM	ACFM	ACFM	ACFM	ACFM	ACFM	ACFM	ACFM
LEM-15	3500	.75	7.0	7.10	7.20	6.80	5.40	4.0	-	.75
LEM-20	3500	1.0	13.2	13.5	13.5	12.9	8.20	4.0	-	1.0
LEM-40	3500	2.0	24.0	24.0	23.5	22.0	16.5	8.0	-	1.5
LEM-60	3500	3.0	36.5	37.0	37.0	37.0	30.5	23.0	8.0	1.5
LEM-110	1750	5.0	76.5	76.0	76.0	75.5	69.0	52.0	35.0	3.0
LEM-170	1750	7.5	102.0	109.0	116.0	117.0	103.0	74.0	46.0	4.0
LEM-250	1750	10.0	149.0	151.0	153.0	154.0	138.0	110.0	80.0	4.3

This data represents average values for pumps in standard material of construction discharging against atmospheric pressure at sea level. Capacity in cubic feet per minute at inlet pressure for air at 20°C (68°F) and using 15°C (59°F) water as the service liquid. Consult with factory when handling 100% saturated air.



A · p · p · l · i · c · a · t · i · o · n · s

- Sterilizers
- Extruder venting and calibration tables
- Evaporators
- Mixing

