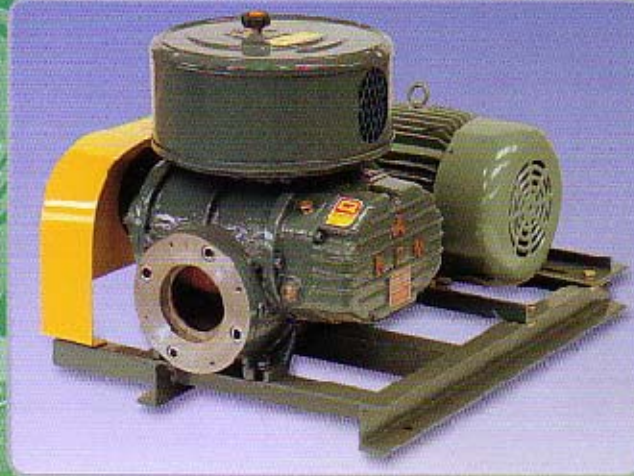




KFM ROTARY AIR BLOWERS SL / HL



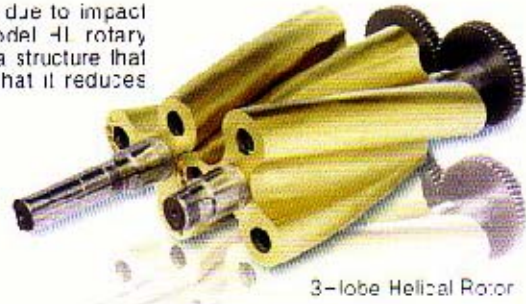
— Thinking of human and nature together —
(株)韓国流体機械
KOREA FLUID MACHINERY CO., LTD.
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KFM ROTARY AIR BLOWER SL / HL

Features

It is generally recognized that air - blowers produce high operation noise due to impact and pulsation when it sucks and discharges air in a gust. The KFM model HL rotary blower incorporates a 3 - lobe helical rotor(*) that greatly lowers noise by a structure that continuously conveys air. Another characteristic of the 3 - lobe rotor is that it reduces torque fluctuation and stabilizes flow volume.

(*) Model SL 050 or SL 065 has a spur type rotor.



3-lobe Helical Rotor

Applications

- Aeration in sewage or industrial wastewater treatment plants
- For air - lift pumps in sewage or industrial wastewater treatment plants
- Oxygen supply at aquariums and fish farms
- Pneumatic conveyor

Major Standard Specifications

Blower	Fluid	Type of Fluid	Air
		Temperature	
Components	Rotor		3 - lobe Helical Type (SL 050/SL 065 3 - lobe Spur Type)
	Shaft Seal		Labyrinth
	Bearing		Ball or Roller Bearings
	Materials		Rotor: Gray Iron casting Casing: Gray Iron casting Shaft: Carbon Steel Gear: Chromium Molybdenum Steel
Discharge Connection	SL 050 and SL 065		JIS5kg/cm ² Flange
	SL/HL 080 thru SL/HL 200		JIS10kg/cm ² Flange
Motor	Type		Indoor use, drip proof type
	No. of poles		4 - pole
	Voltage		3 phase, 200, 380, 400, 415, 440, 460 volts

Standard Accessories

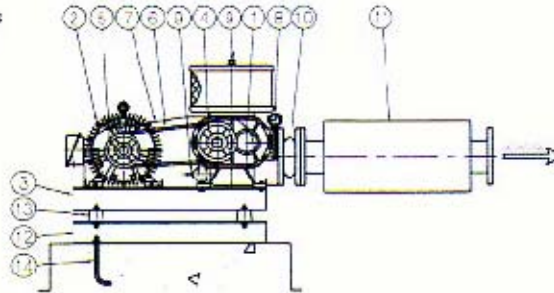
- Common Base
- Indoor use Drip - proof Motor
- Suction Silencer (with Air Filter)
- V - Belt and Belt Cover
- Safety Valve
- Foundation Bolt

Optional Accessories

- Pressure Gauge
- Discharge Silencer
- Expansion Joint
- Gate Valve
- Check Valve
- Acoustic Hood
- Vibration - Isolation Base with Rubber Feet
- TEFC motor

Installation Diagram (Example)

Optional accessories



No	Part name	No	Part name
1	blower	8	pressure gauge
2	motor	9	suction silencer
3	bed	10	flexible connector
4	blower pulley	11	discharge silencer
5	motor pulley	12	ant. vibration channel
6	v-belt	13	spring isolator
7	belt cover	14	foundation bolt/nut

Dimensions

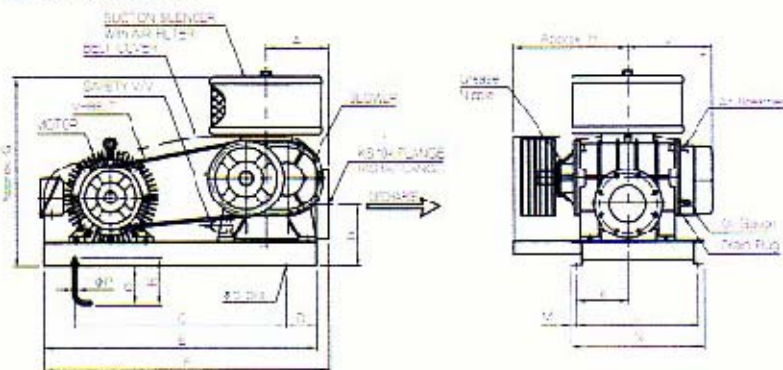


Table for Motor Weight

(Unit: kg)

Motor(kw)	Weight(kg)	Motor(kw)	Weight(kg)
1.5kw	21	30kw	132
2.2kw	30	37.5kw	252
3.7kw	39	55kw	390
5.5kw	56	75kw	575
7.5kw	70	90kw	750
11kw	109	110kw	890
15kw	136	132kw	1070
18.5/22kw	166	160kw	1280

Note : Weight of standard motor of a manufacturer.
Subject to change according to the type and make.

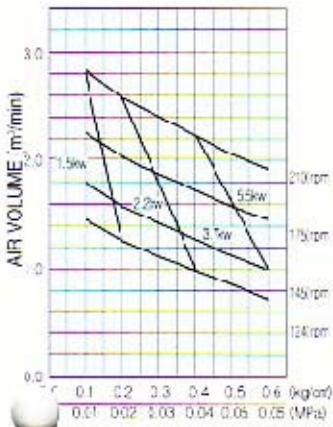
(Unit: mm)

TYPE	DM	A	B	C	D	E	F	G	H	J	K	L	M	N	φP	Q	R	φS
SL 050	135	160	450	100	650	680	410	210	160	120	260	20	300	12	215	250	14	
SL 065	135	160	450	100	650	680	430	230	180	145	260	20	300	12	215	250	14	
SL/HL 080	175	190	550	100	750	775	520	245	215	125	280	20	320	16	260	300	18	
SL/HL 100	175	190	600	100	800	825	540	260	230	120	400	20	440	16	260	300	18	
SL/HL 125	205	235	650	100	850	900	635	350	260	120	370	25	420	16	260	300	18	
SL/HL 125L	255	235	750	100	950	1005	705	360	275	135	430	25	480	16	260	300	18	
SL/HL 150	255	250	750	100	950	1005	765	380	300	165	430	25	480	16	260	300	18	
SL/HL 150L	255	250	850	125	1100	1155	765	465	350	210	500	25	550	16	260	300	18	
SL/HL 200	310	300	950	125	1200	1235	950	505	370	245	500	30	580	20	250	300	23	
SL/HL 250	350	360	1100	200	1500	1565	1120	600	415	325	640	35	650	20	250	300	23	
SL/HL 300	460	475	1300	250	1800	1875	1405	630	550	365	630	35	700	20	250	300	23	

* Weight of blower and standard accessories not including motor. See the table above for the motor weight.

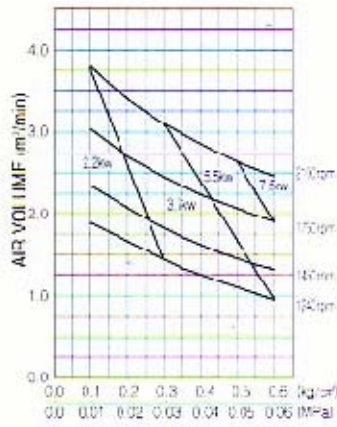
Performance Curves

SL 050



DIFFERENTIAL PRESSURE

SL 065



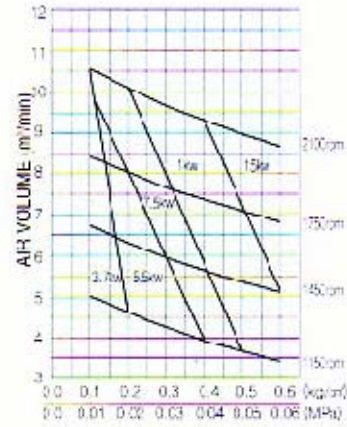
DIFFERENTIAL PRESSURE

SL / HL 080



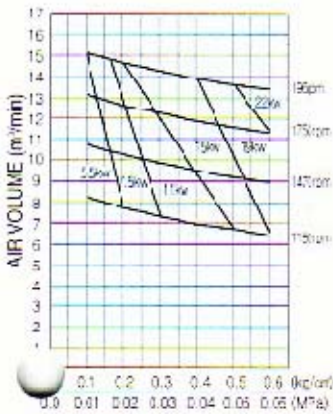
DIFFERENTIAL PRESSURE

SL / HL 100



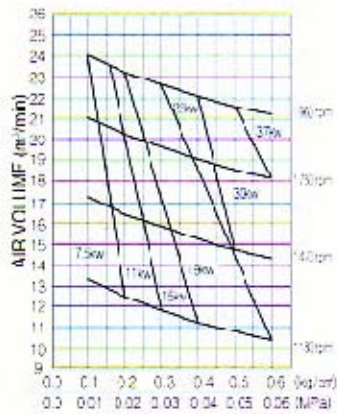
DIFFERENTIAL PRESSURE

SL / HL 125



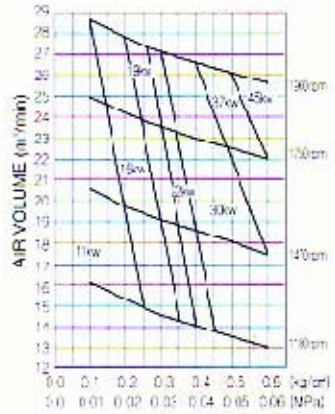
DIFFERENTIAL PRESSURE

SL / HL 125L



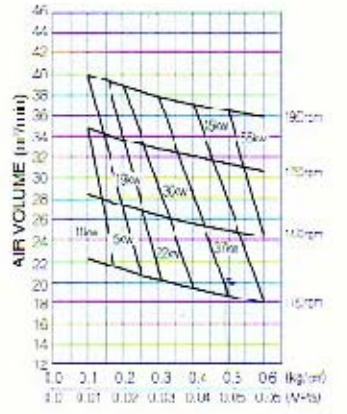
DIFFERENTIAL PRESSURE

SL / HL 150



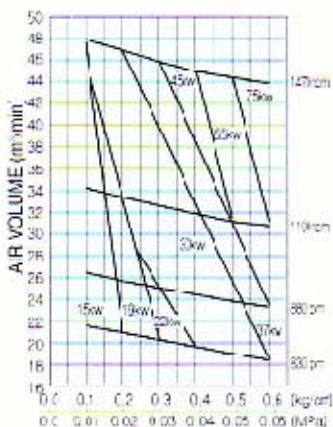
DIFFERENTIAL PRESSURE

SL / HL 150L



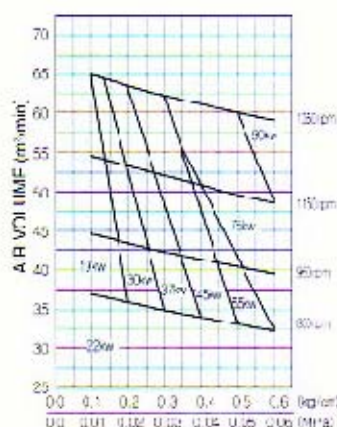
DIFFERENTIAL PRESSURE

SL / HL 200



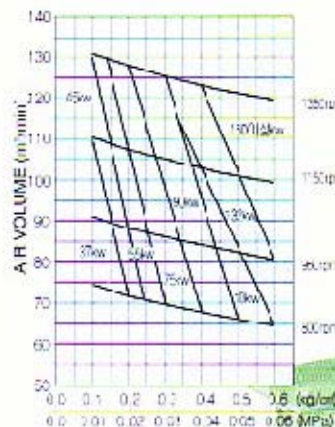
DIFFERENTIAL PRESSURE

SL / HL 250



DIFFERENTIAL PRESSURE

SL / HL 300



DIFFERENTIAL PRESSURE



