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V / SH / DH Series Regenerative Blowers (Vacuum & Pressure)

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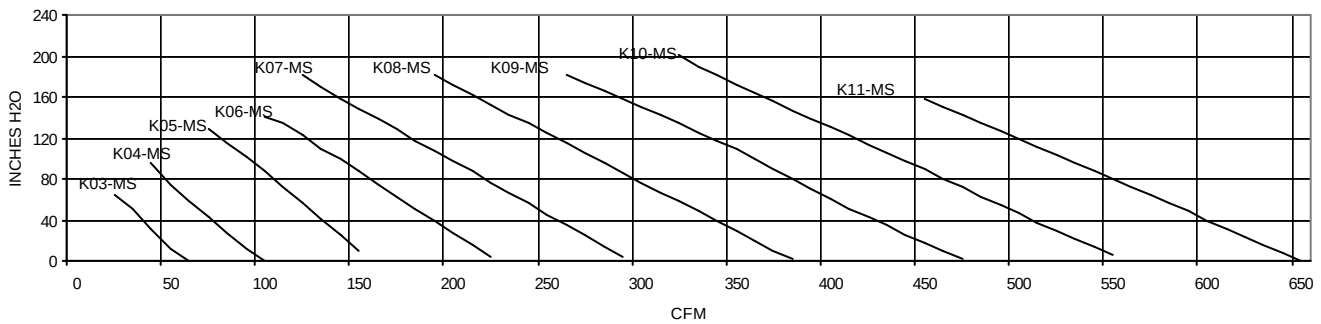
Technical

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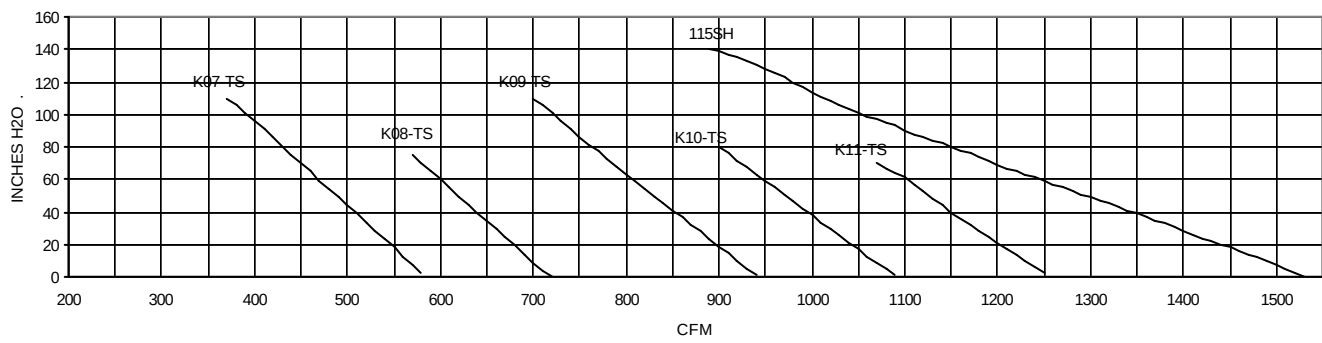


Pressure Performance Curves

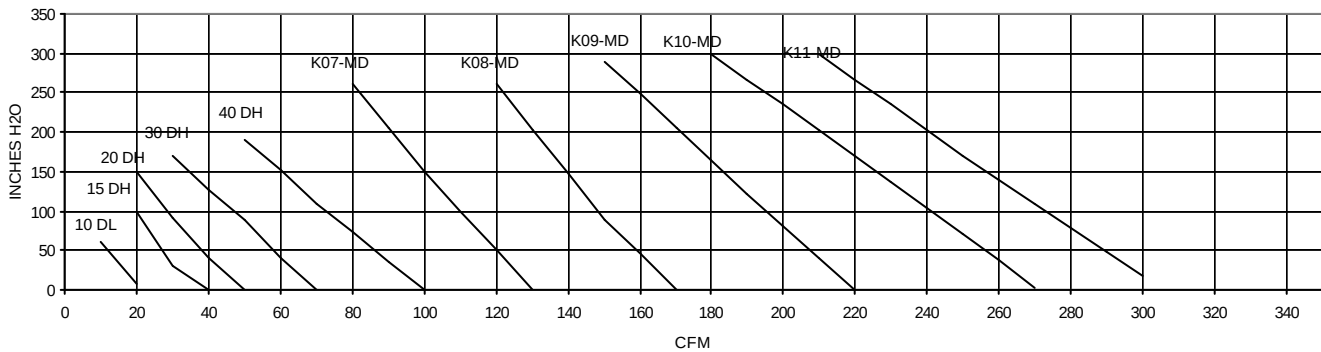
Single Stage - Single Impeller



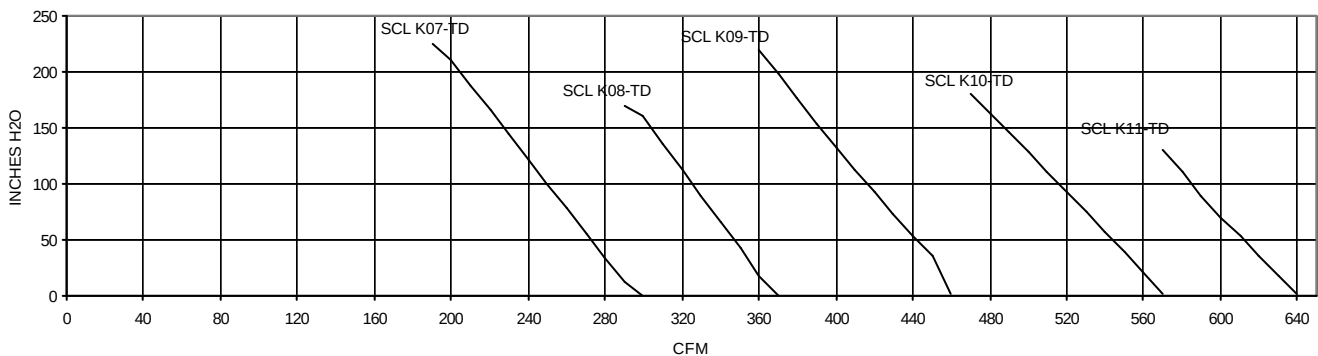
Single Stage - Twin Impeller



Two Stage - Single Impeller



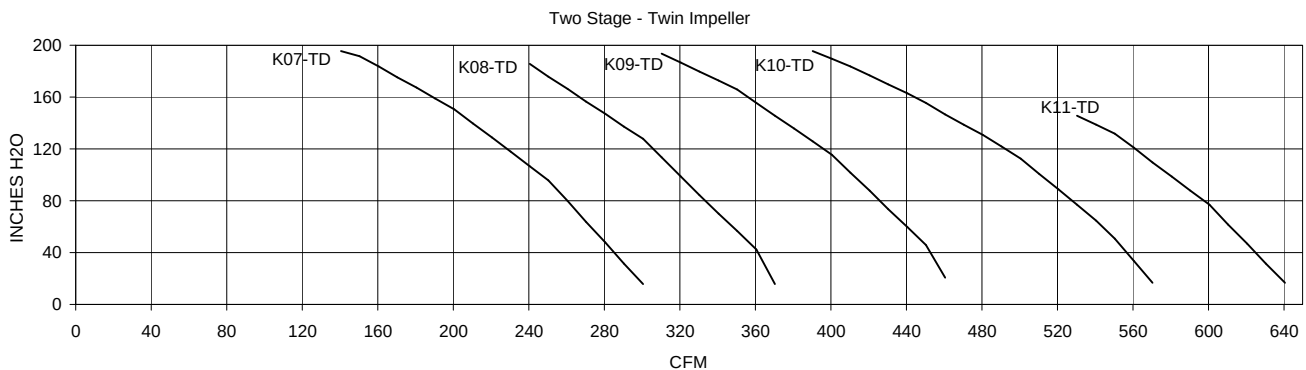
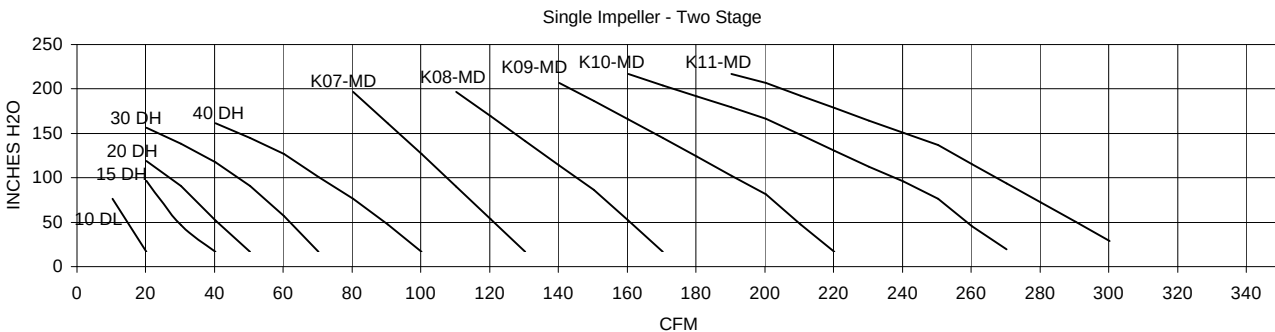
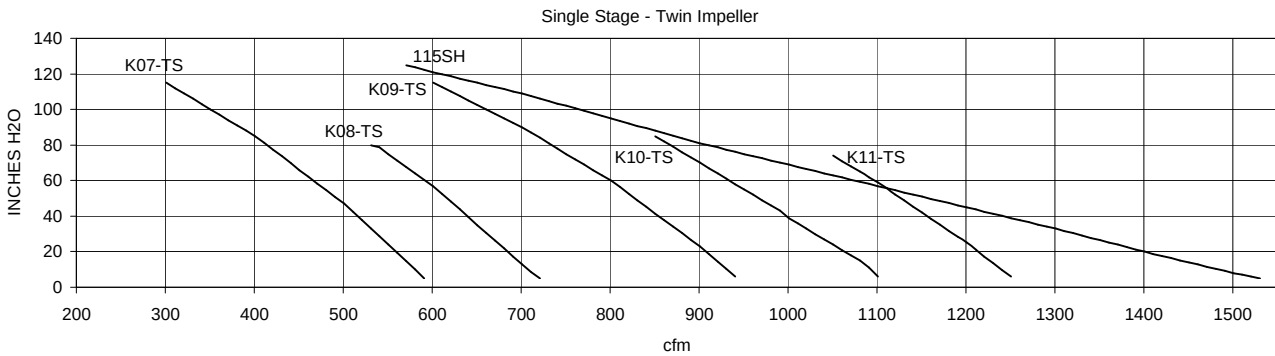
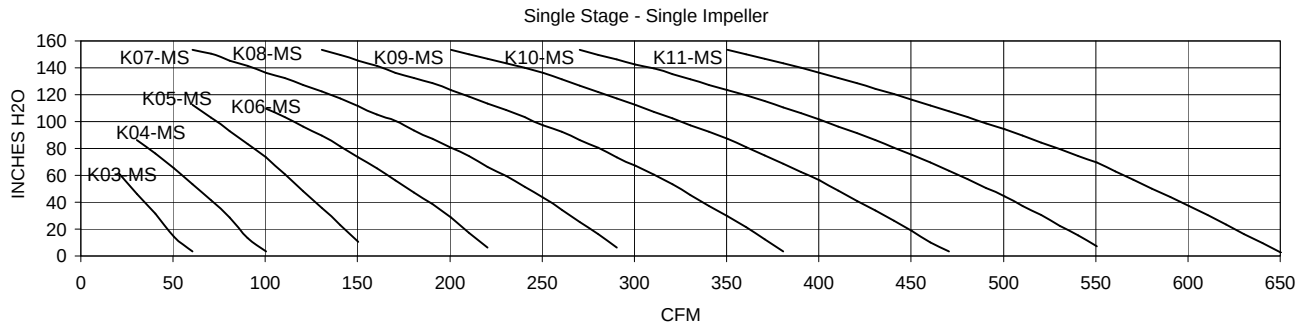
Two Stage - Twin Impeller





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Vacuum Performance Curves



Curves refer to air at 68 deg F and 29.92" Hg. atmospheric pressure (abs) measured at inlet port. Tolerance on given values +/- 10% -- data can change without prior notice.

**TECHNICAL CHARACTERISTICS**

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

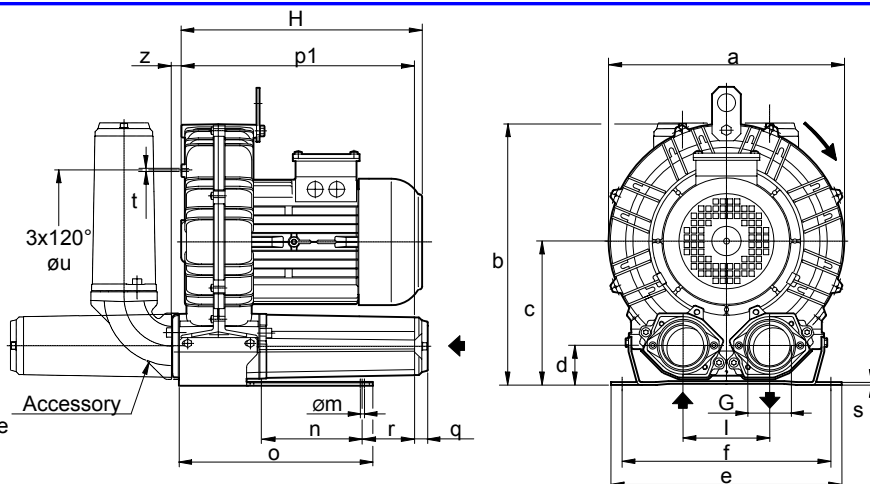
OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

See page 63 for alternative mounting positions.



Dimensions in inches

Model	a	b	c	d	e	f	G	l	m	n	o	p1	q	r	s	t	u	z
K03-MS																		
K04-MS																		
K05-MS	12.87	14.37	7.87	2.13	12.60	10.24	2" NPT	4.72	0.59	4.53	10.43	12.60	0.71	3.86	0.16	M8	7.87	0.75
K06-MS	14.80	15.47	8.07	2.13	12.80	11.42	2" NPT	4.92	0.59	5.51	10.43	13.15	0.71	3.35	0.16	M8	9.45	0.75

Model	Maximum flow Scfm		Installed power Hp		Maximum differential pressure Δp (In WG)		Noise level Lp dB (A) (1)		Overall dimensions H	Weight
	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm		
K03-MS										
K04-MS										
K05-MS	156	129	2	1 2/3	52	60	70.5	68.5	12.09	51.80
			3	2 1/2	90	99	70.8	68.8	12.99	58.40
			4	3 1/3	128	120	71.1	69.1	14.76	67.20
K06-MS	216	179	3	2 1/2	50	58	73.0	71.0	14.45	68.70
			4	3 1/3	75	84	73.3	71.3	14.45	71.65
			5	4 1/6	100	110	73.6	71.6	14.45	77.60
			6 1/5	5 1/5	132	140	73.9	71.9	14.45	77.60

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

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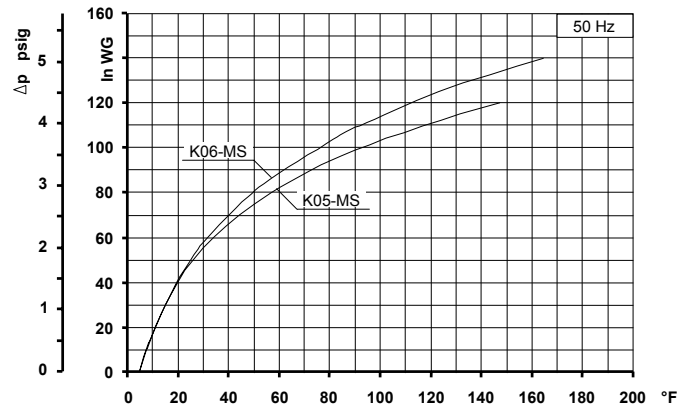
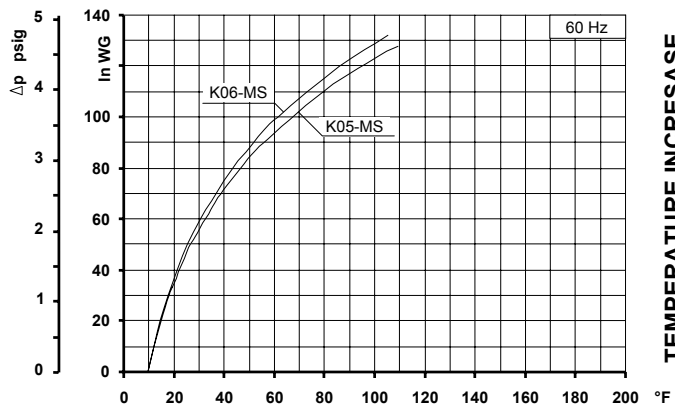
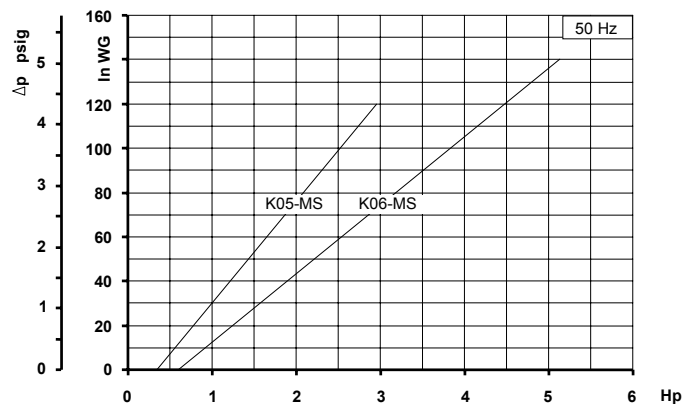
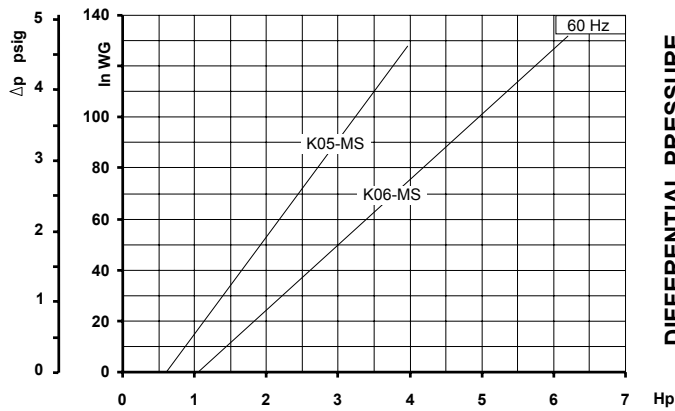
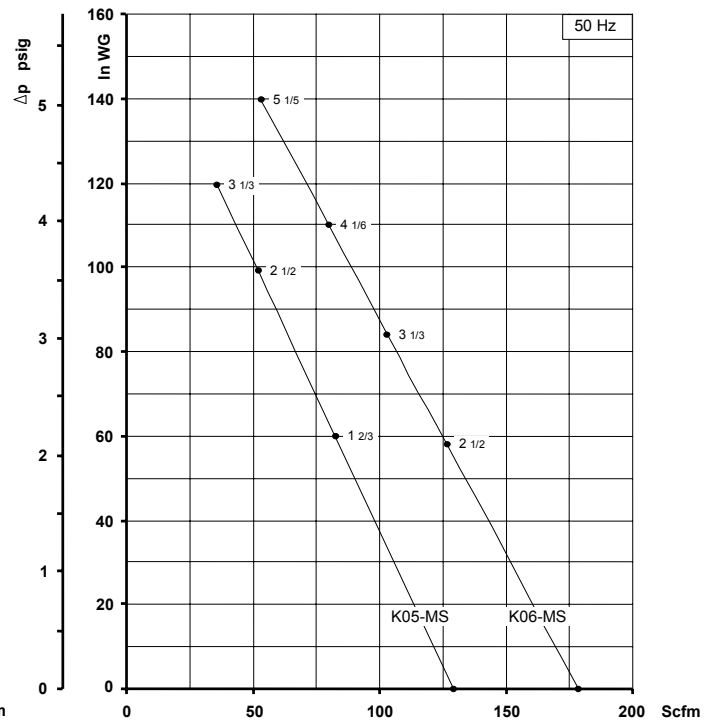
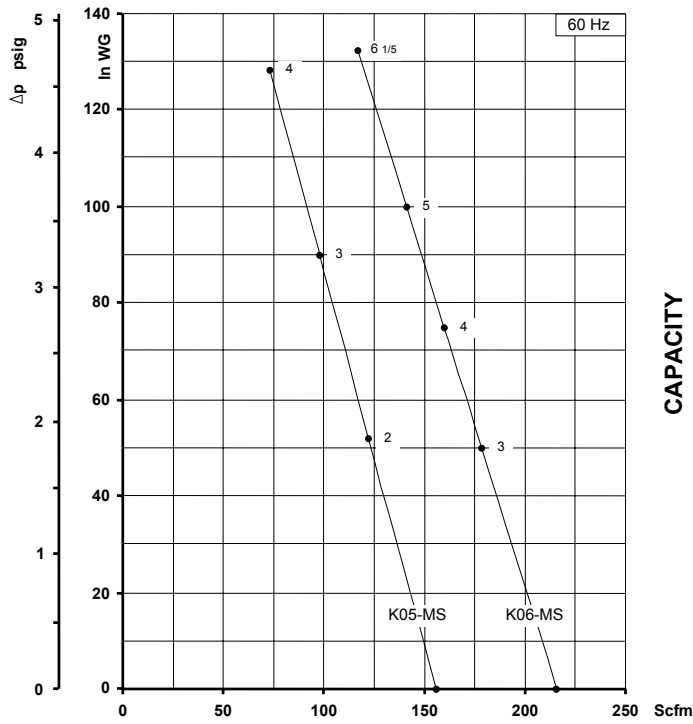
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Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.

Tolerance on given values: $\pm 10\%$.

Data can change without prior notice.

**TECHNICAL CHARACTERISTICS**

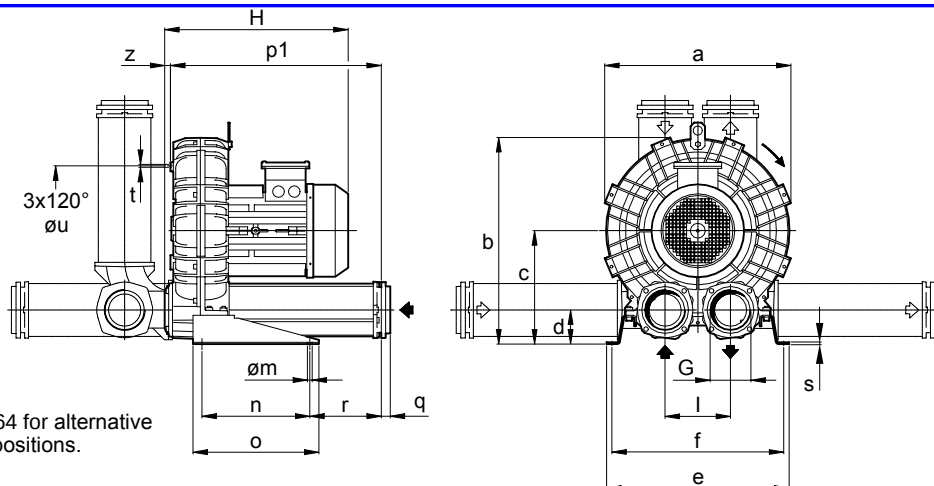
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



See page 64 for alternative mounting positions.

Dimensions in inches

Model	a	b	c	d	e	f	G	l	m	n	o	p1	q	r	s	t	u	z
K07-MS	16.69	18.84	10.59	3.23	18.43	17.24	3" NPT	6.10	0.51	11.81	13.78	20.16	0.98	5.39	0.20	M8	11.61	0.63
K08-MS	17.99	19.61	10.59	3.23	18.82	17.64	3" NPT	6.10	0.51	11.81	13.78	20.16	0.98	5.39	0.20	M8	12.2	0.63
K09-MS	19.37	22.09	12.40	3.78	20.00	18.82	4" NPT	7.17	0.51	11.81	13.78	23.07	0.98	7.83	0.20	M8	14.17	0.63
K10-MS	20.31	22.56	12.40	3.78	20.00	18.82	4" NPT	7.17	0.51	11.81	13.78	23.07	0.98	7.83	0.20	M8	14.17	0.63
K11-MS	21.34	23.74	13.07	3.58	21.18	20.00	4" NPT	7.87	0.51	11.81	13.78	23.46	0.98	8.03	0.20	M8	15.35	0.63

Model	Maximum flow Scfm		Installed power Hp		Maximum differential pressure Δp (In WG)		Noise level Lp dB (A) ⁽¹⁾		Overall dimensions H	Weight
	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm		
K07-MS	294	243	4	3 1/3	50	63	78.7	76.7	16.10	104.50
			5	4 1/6	75	86	79.0	77.0	16.10	112.20
			7 1/2	6 1/4	130	138	79.3	77.3	17.50	135.20
			10	8 1/3	181	161	79.6	77.6	17.50	146.30
K08-MS	381	316	5	4 1/6	40	52	79.7	77.7	16.10	115.70
			7 1/2	6 1/4	80	90	80.0	78.0	17.50	138.90
			10	8 1/3	115	125	80.3	78.3	17.50	150.00
			15	12 1/2	181	181	80.6	78.6	17.50	170.80
K09-MS	471	390	7 1/2	6 1/4	50	63	80.2	78.2	17.95	159.8
			10	8 1/3	80	95	80.5	78.5	17.95	170.9
			15	12 1/2	140	155	81.0	79.0	19.37	192.9
			20	16 2/3	181	181	81.3	79.3	22.97	203.9
K10-MS	556	460	7 1/2	6 1/4	36	51	80.1	78.1	17.95	165.30
			10	8 1/3	64	80	80.5	78.5	17.95	176.40
			15	12 1/2	120	135	81.0	79.0	19.37	198.40
			20	16 2/3	167	191	81.4	79.4	23.05	253.00
			25	20 5/6	211	201	81.6	79.6	23.05	319.10
K11-MS	650	539	10	8 1/3	40	53	82.0	80.0	18.10	184.10
			15	12 1/2	82	97	82.4	80.4	19.50	206.10
			20	16 2/3	125	141	82.7	80.7	23.25	217.20
			25	20 5/6	162	162	85.6	83.6	23.25	283.30

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

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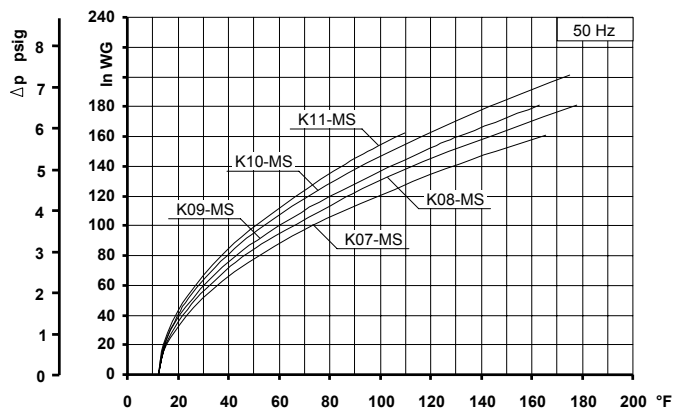
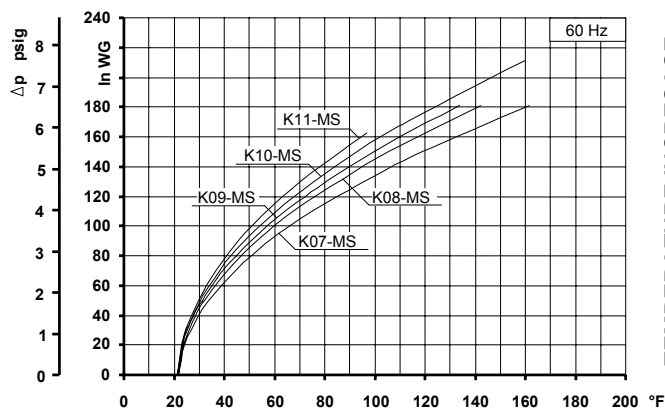
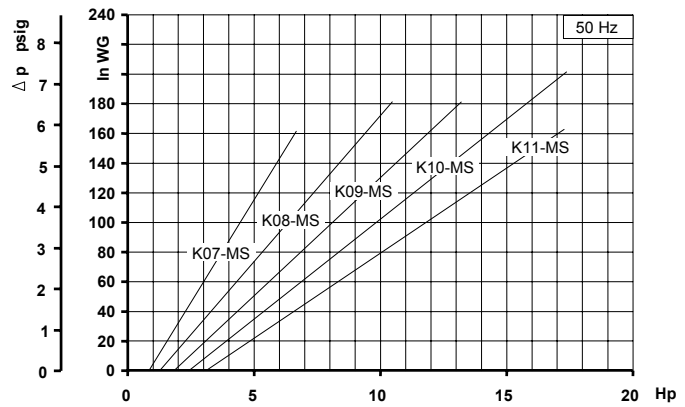
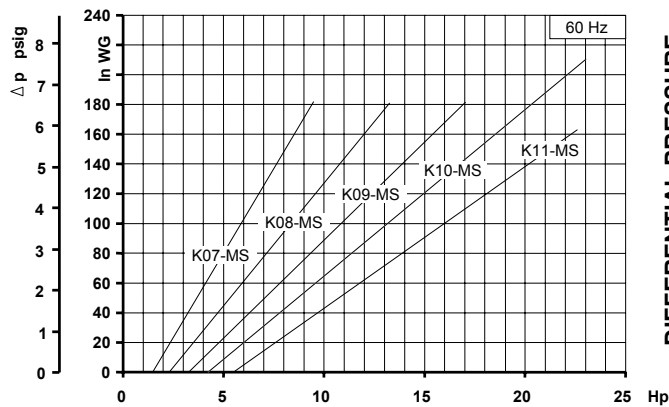
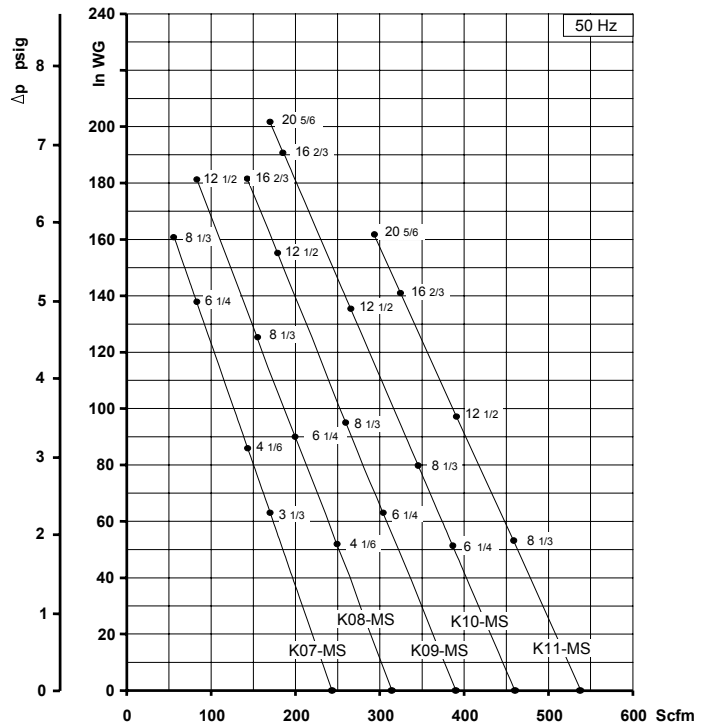
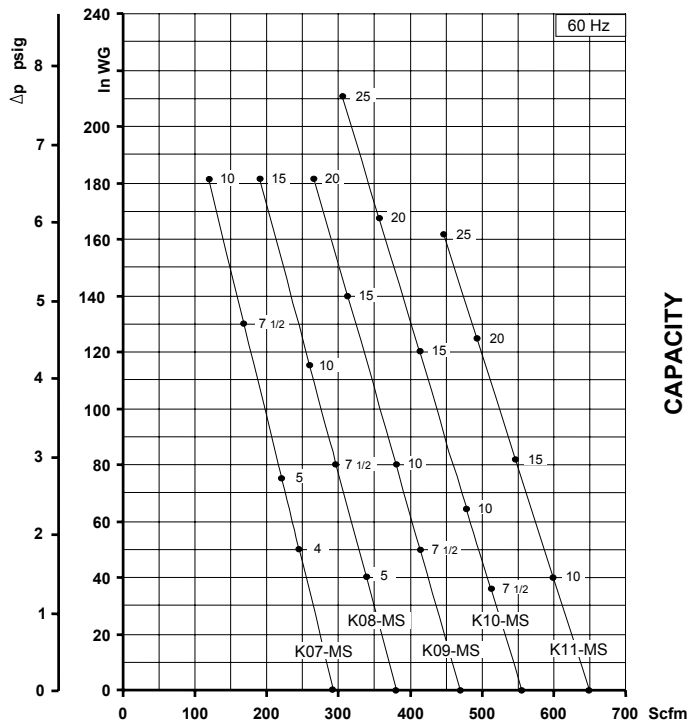
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Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
Tolerance on given values: ± 10%.
Data can change without prior notice.



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REGENERATIVE BLOWERS - **PRESSURE**

SCL K03 / K04 / K05 / K06

TS SERIES

SN 1921-0 1/2

TECHNICAL CHARACTERISTICS

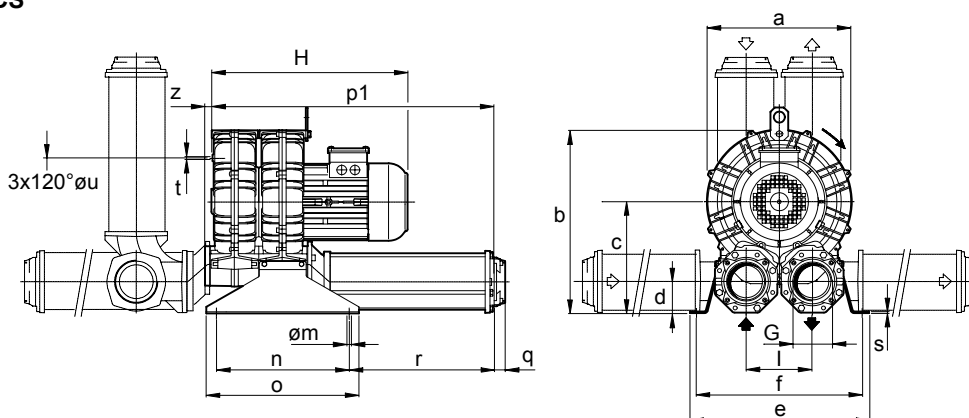
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



Dimensions in inches

Model	a	b	c	d	e	f	G	l	m	n	o	p1	q	r	s	t	u	z
K03-TS																		
K04-TS																		
K05-TS	12.87	16.61	10.16	3.03	15.91	14.72	3" NPT	5.91	0.51	11.81	13.58	24.96	0.98	12.91	0.16	M8	7.87	0.75
K06-TS																		

Model	Maximum flow Scfm		Installed power Hp		Maximum differential pressure Δp (in WG)		Noise level Lp dB (A) (1)		Overall dimensions H Inches	Weight Lbs
	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm		
K03-TS										
K04-TS										
K05-TS	290	241	3	2 1/2	30	36	72.0	70.0	17.32	89.30
			4	3 1/3	46	54	73.5	71.5	19.09	98.10
			5	4 1/6	65	72	75.5	73.5	19.09	105.80
K06-TS										

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

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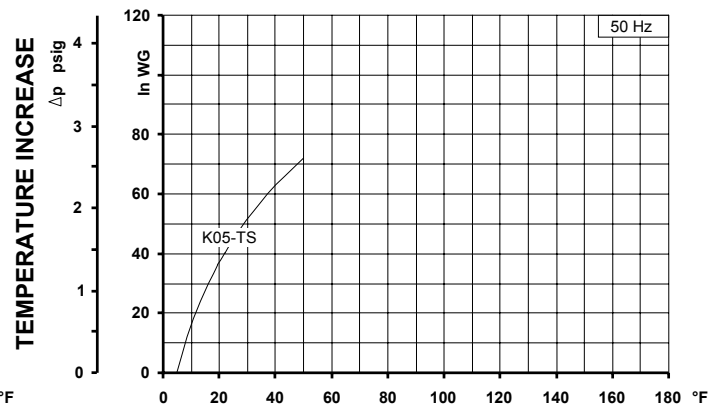
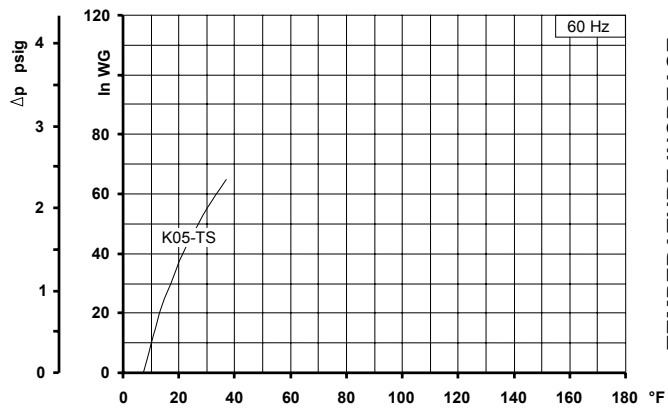
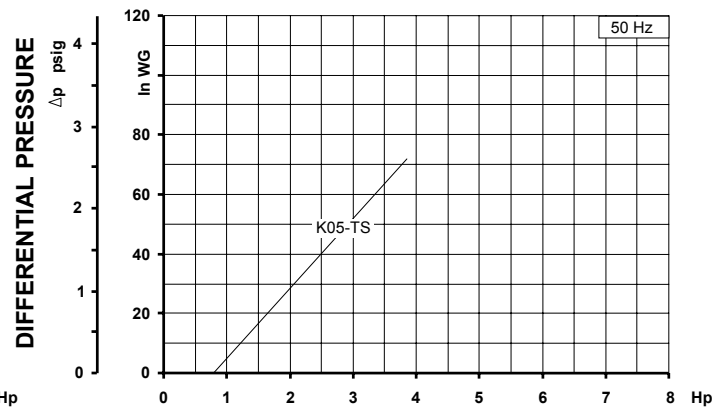
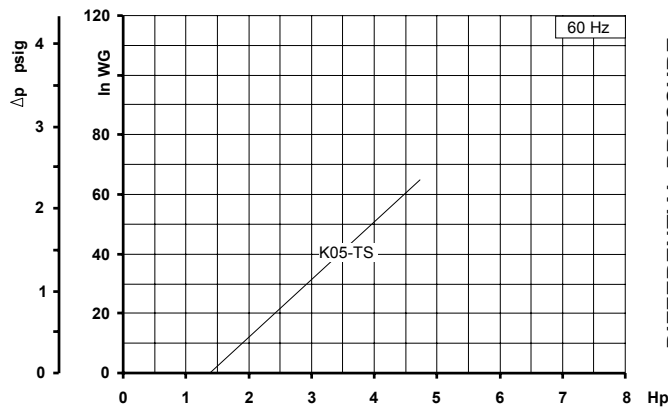
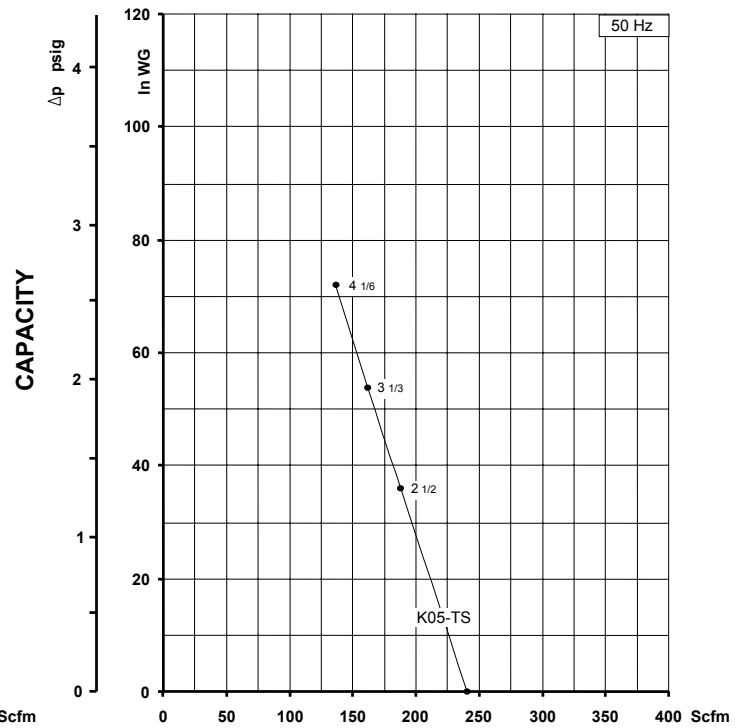
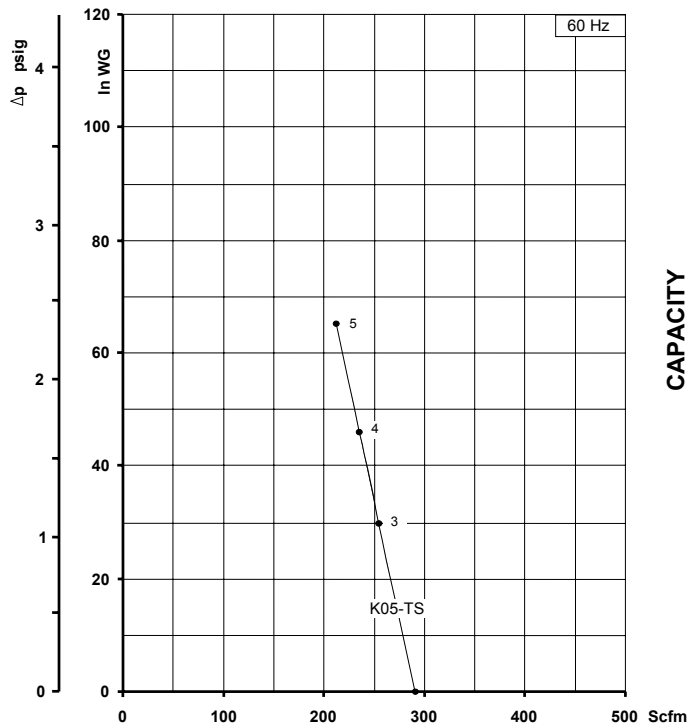
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Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.

Tolerance on given values: $\pm 10\%$.

Data can change without prior notice.

**TECHNICAL CHARACTERISTICS**

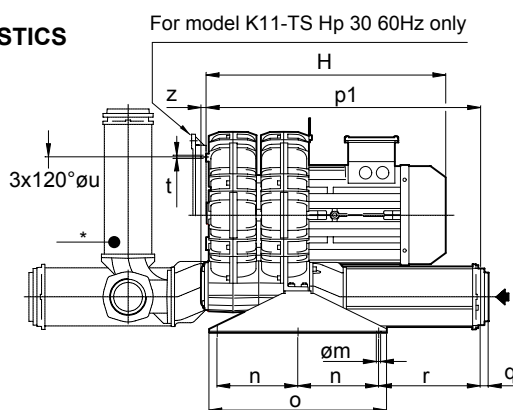
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

OPTIONS

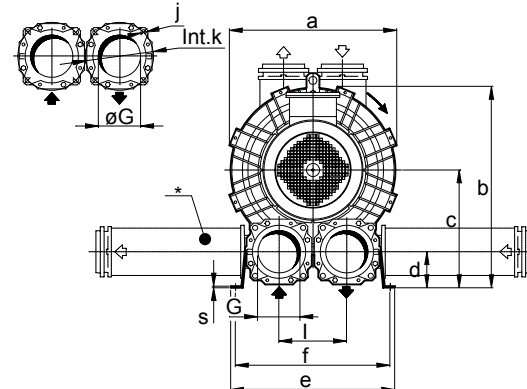
- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



For model K09 / K10 /
K11 -TS only



See page 65 for alternative
mounting positions.

(*) For Model K07/ K08-TS only

Dimensions in inches

Model	a	b	c	d	e	f	G	I	j	k	m	n	o	p1	q	r	s	t	u	z
K07-TS	16.69	20.91	12.56	3.86	18.43	17.24	4"NPT	7.17	-	-	0.51	9.84	21.65	31.57	0.98	11.77	0.20	M8	11.61	0.63
K08-TS	18.03	21.57	12.56	3.86	18.82	17.64	4"NPT	7.17	-	-	0.51	9.84	21.65	31.57	0.98	11.77	0.20	M8	12.20	0.63
K09-TS	19.37	24.02	14.37	4.41	20.00	18.82	5.12	8.27	M16	8.27	0.51	9.84	21.65	33.46	-	12.40	0.20	M8	14.17	0.63
K10-TS	20.31	24.53	14.37	4.41	20.00	18.82	5.12	8.27	M16	8.27	0.51	9.84	21.65	33.46	-	12.40	0.20	M8	14.17	0.63
K11-TS	21.26	25.59	14.96	4.17	21.26	20.08	5.12	8.98	M16	8.27	0.51	9.84	21.65	34.25	-	12.60	0.20	M8	15.35	0.63

Model	Maximum flow Scfm		Installed power Hp		Maximum differential pressure Δp (In WG)		Noise level Lp dB (A) (1)		Overall dimensions H Inches	Weight Lbs
	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm		
K07-TS	588	487	7 1/2	6 1/4	36	48	83.9	81.9	23.03	194.00
			10	8 1/3	60	71	84.2	82.2	23.03	205.00
			15	12 1/2	110	121	84.8	82.8	24.41	228.20
K08-TS	715	592	7 1/2	6 1/4	18	30	80.8	78.8	23.03	201.70
			10	8 1/3	37	50	80.9	78.9	23.03	212.70
			15	12 1/2	75	87	83.3	81.3	24.41	235.90
K09-TS	941	780	15	6 1/4	52	62	83.0	81.0	25.59	258.00
			20	8 1/3	80	90	85.0	83.0	29.33	324.10
			25	12 1/2	110	120	87.0	85.0	29.33	351.60
K10-TS	1093	906	15	12 1/2	41	51	87.8	85.8	25.59	269.00
			20	16 2/3	65	75	88.1	86.1	29.33	331.80
			25	20 5/6	80	95	88.4	86.4	29.33	359.30
K11-TS	1254	1039	25	20 5/6	50	69	89.4	87.4	29.92	388.00
			30 (2)	25 (2)	70	90	90.0	88.0	31.50	411.00

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

(2) K11-TS Hp 30 60 Hz / 25 50 Hz vertical assembly only.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

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**TECHNICAL CHARACTERISTICS**

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

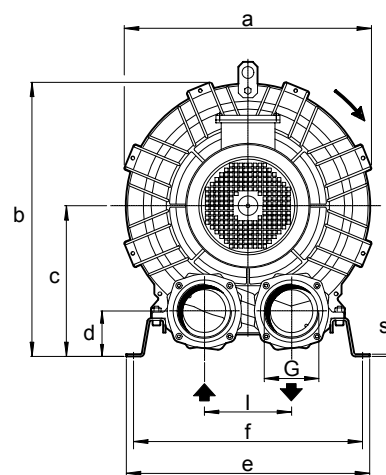
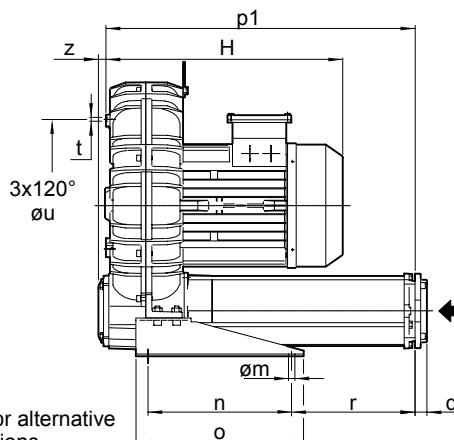
OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

See page 66 for alternative mounting positions.



Dimensions in inches

Model	a	b	c	d	e	f	G	l	m	n	o	p1	q	r	s	t	u	z
K07-MD	16.69	18.94	10.59	3.23	18.43	17.24	3" NPT	6.10	0.51	11.81	13.78	22.13	0.98	7.36	0.20	M8	11.61	0.63
K08-MD	17.99	19.61	10.59	3.23	18.82	17.64	3" NPT	6.10	0.51	11.81	13.78	22.13	0.98	7.36	0.20	M8	12.20	0.63
K09-MD	19.37	22.09	12.40	3.78	20.00	18.82	4" NPT	7.17	0.51	11.81	13.78	25.35	0.98	10.12	0.20	M8	14.17	0.63
K10-MD	20.31	22.56	12.40	3.78	20.00	18.82	4" NPT	7.17	0.51	11.81	13.78	25.35	0.98	10.12	0.20	M8	14.17	0.63
K11-MD	21.35	23.74	13.07	3.58	21.18	20.00	4" NPT	7.87	0.51	11.81	13.78	25.75	0.98	10.31	0.20	M8	15.35	0.63

Model	Maximum flow Scfm		Installed power Hp		Maximum differential pressure Δp (in WG)		Noise level Lp dB (A)		Overall dimensions H	Weight
	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm		
K07-MD	129	107	3	2 1/2	68	87	73.5	71.5	16.14	109.10
			4	3 1/3	110	128	74.0	72.0	16.14	111.30
			5	4 1/6	150	170	74.5	72.5	16.14	119.10
			7 1/2	6 1/4	260	260	75.0	73.0	17.52	142.20
K08-MD	168	139	5	4 1/6	85	110	76.2	74.2	16.14	124.60
			7 1/2	6 1/4	162	185	76.6	74.6	17.52	147.70
			10	8 1/3	240	260	77.0	75.0	17.52	158.70
			15	-	260	-	77.3	-	17.52	180.70
K09-MD	221	183	5	4 1/6	54	78	76.9	74.9	16.54	144.40
			7 1/2	6 1/4	120	143	78.0	76.0	17.95	167.60
			10	8 1/3	190	210	79.5	77.5	17.95	178.60
			15	12 1/2	290	290	80.5	78.5	19.29	200.60
K10-MD	275	228	7 1/2	6 1/4	85	110	79.9	77.9	17.91	170.90
			10	8 1/3	140	165	80.3	78.3	17.91	181.90
			15	12 1/2	245	270	81.4	79.4	19.29	203.90
			20	16 2/3	300	300	81.7	79.7	22.97	270.00
K11-MD	306	254	10	8 1/3	100	125	81.1	79.1	18.11	211.60
			15	12 1/2	190	220	81.4	79.4	19.49	232.60
			20	16 2/3	280	300	81.7	79.7	23.23	287.20
			25	-	300	-	82.0	-	23.23	353.30

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

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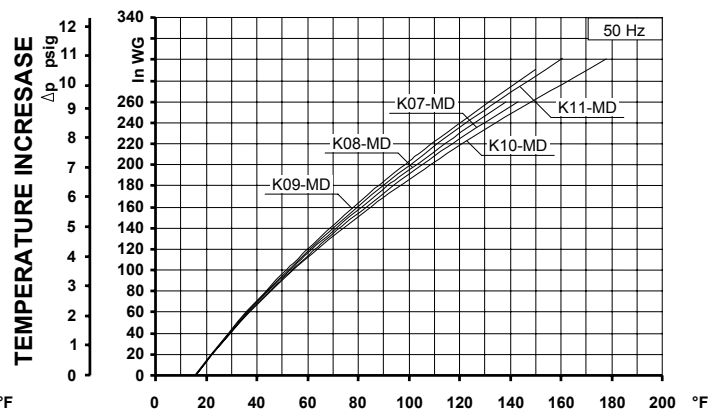
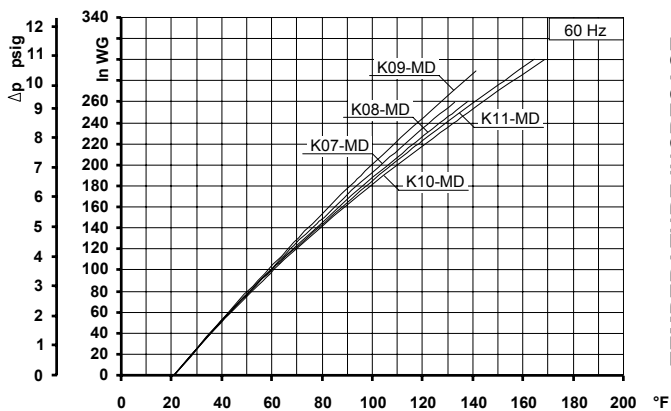
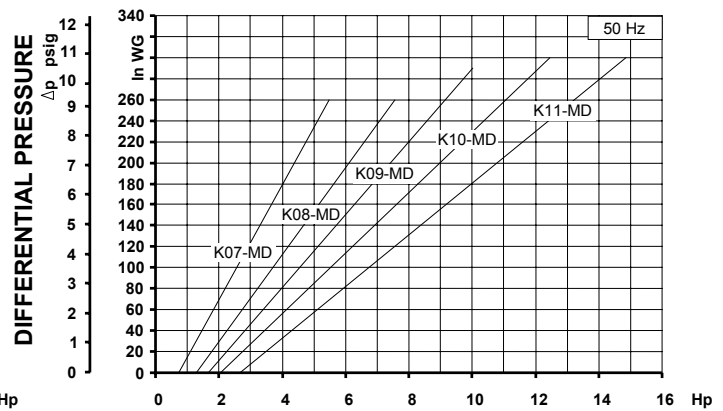
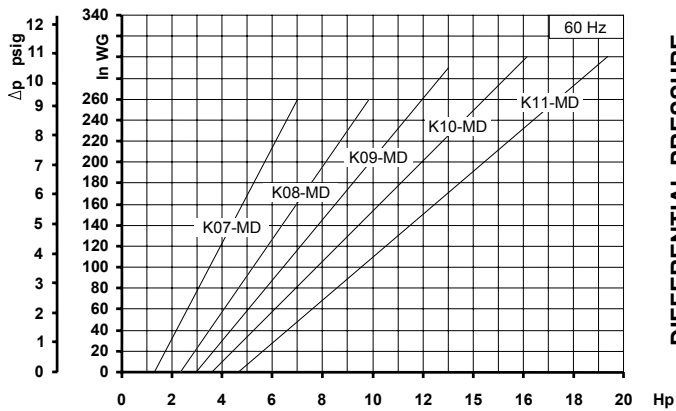
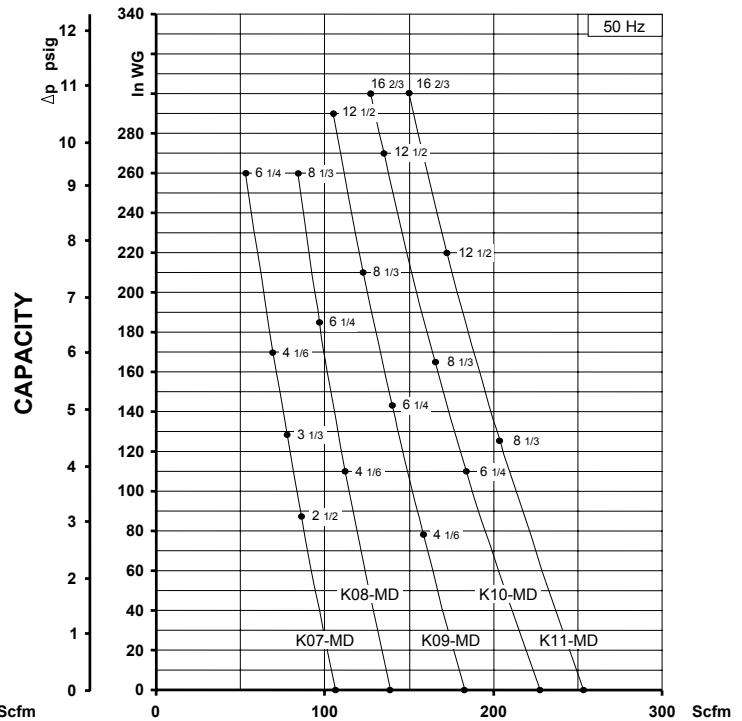
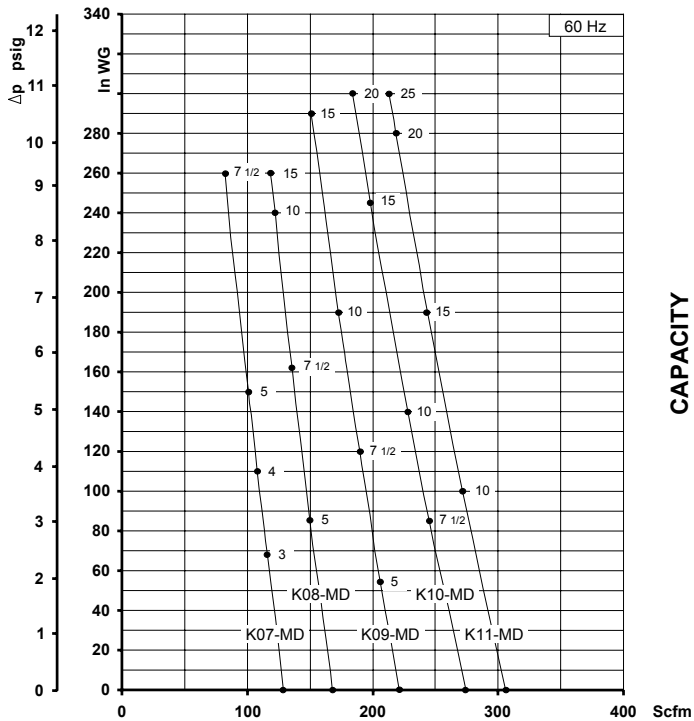
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REGENERATIVE BLOWERS - PRESSURE 15 SCL K07 / K08 / K09 / K10 / K11

MD SERIES

SN 1848-4 2/2



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
Tolerance on given values $\pm 10\%$ - data can change without prior notice.

**TECHNICAL CHARACTERISTICS**

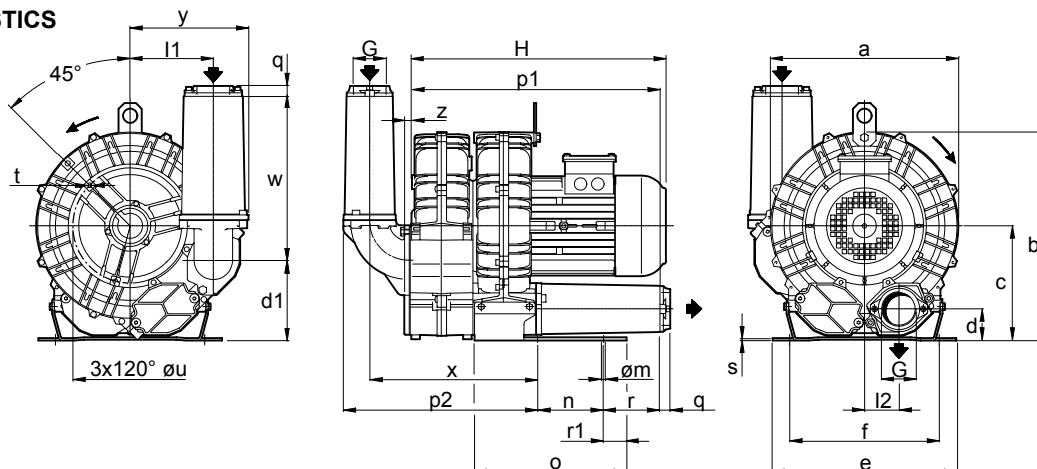
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



Dimensions in inches

Model	a	b	c	d	d1	e	f	G	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	w	x	y	z
K03-TD																									
K04-TD																									
K05-TD	12.87	14.37	7.87	2.13	5.51	12.6	10.24	2" NPT	5.71	2.36	0.55	4.53	10.43	16.85	13.39	0.71	3.86	1.57	0.16	M8	7.87	11.26	11.54	8.11	0.75
K06-TD																									

Model	Maximum flow Scfm		Installed power Hp		Maximum differential pressure Δp (In WG)		Noise level Lp dB (A) (1)		Overall dimensions H Inches	Weight Lbs
	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm		
K03-TD										
K04-TD										
K05-TD	153	127	3	2 1/2	70	80	73.0	71.0	17.32	79.40
			4	3 1/3	105	110	74.5	72.5	19.09	88.20
			5	4 1/6	135	145	76.0	74.0	19.09	95.90
K06-TD										

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

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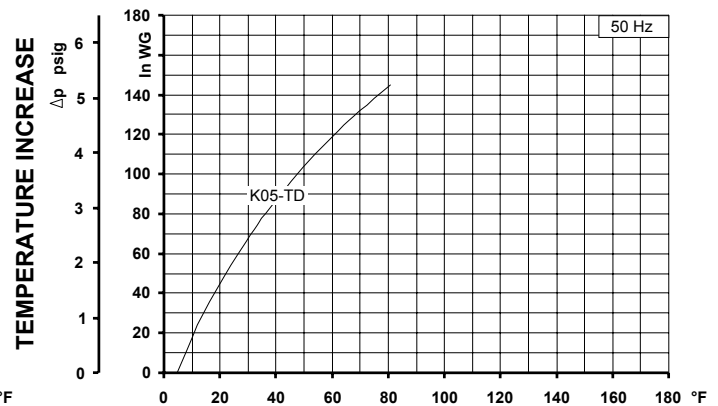
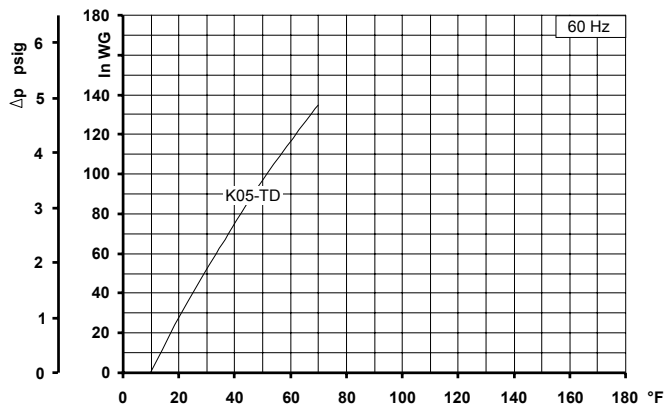
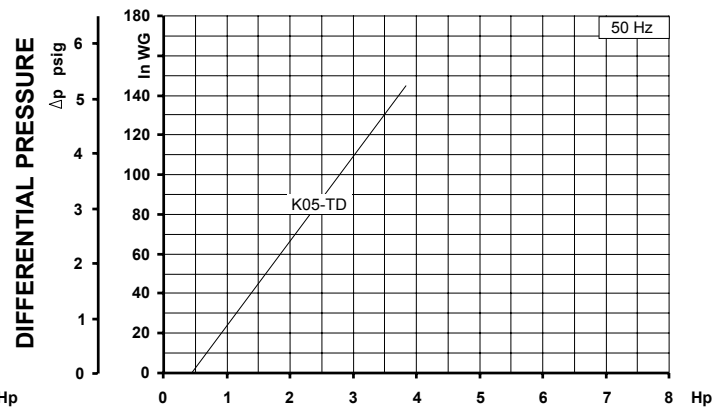
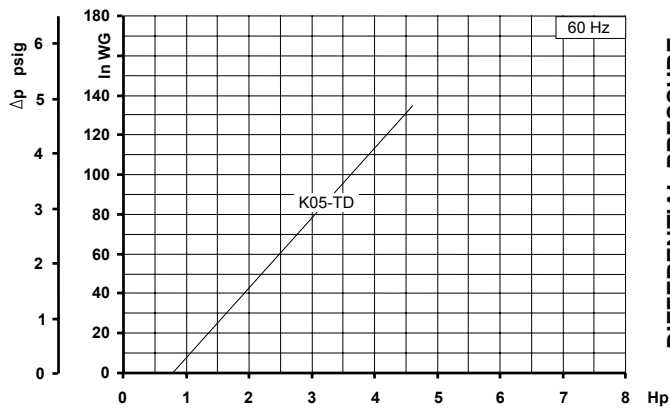
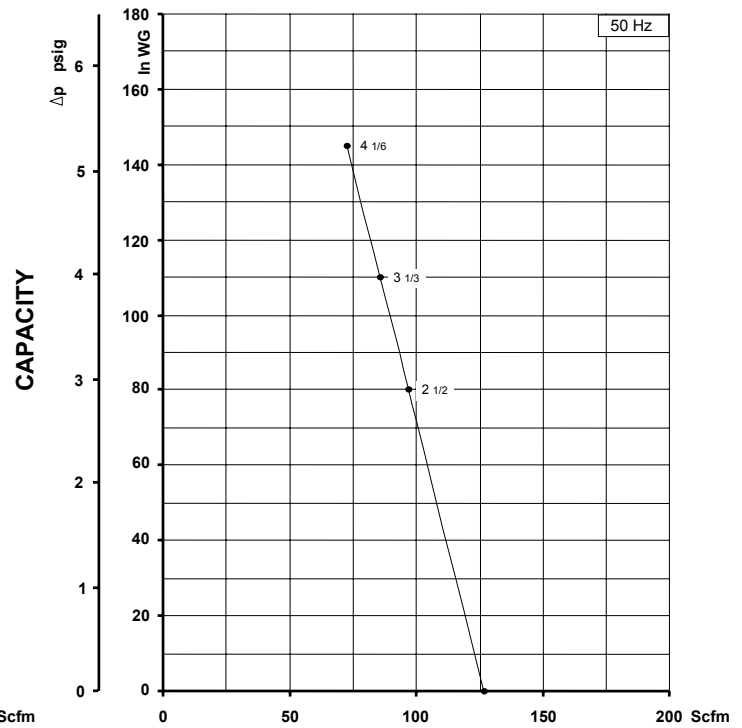
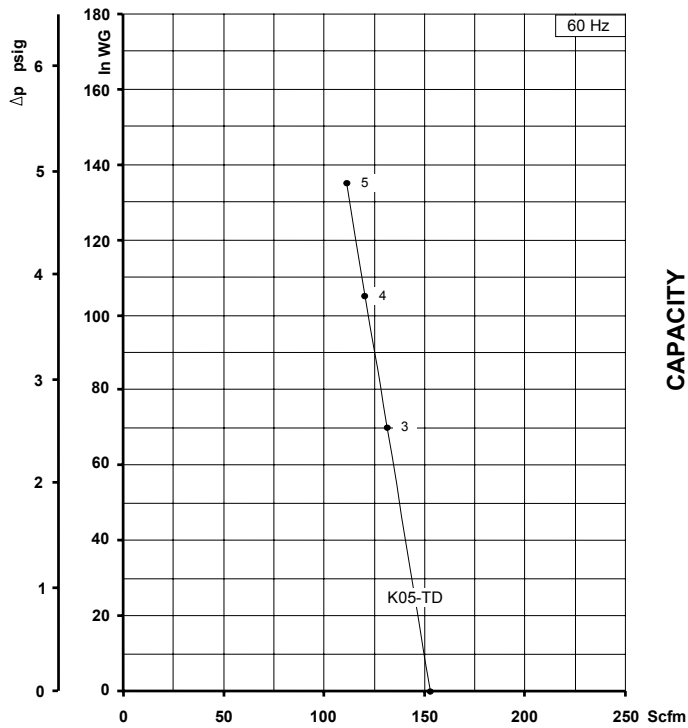
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Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.

Tolerance on given values: ± 10%.

Data can change without prior notice.

**TECHNICAL CHARACTERISTICS**

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

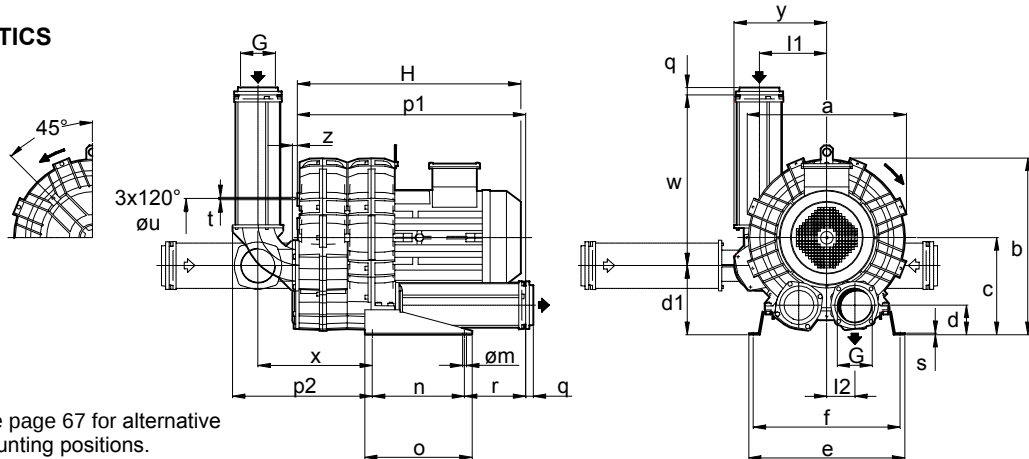
OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

See page 67 for alternative mounting positions.



Dimensions in inches

Model	a	b	c	d	d1	e	f	G	l1	l2	m	n	o	p1	p2	q	r	s	t	u	w	x	y	z
K07-TD	16.69	18.94	10.59	3.23	7.56	18.43	17.24	3"NPT	7.36	3.05	0.51	11.81	13.78	25.55	15.43	0.98	5.39	0.20	M8	11.61	18.94	12.56	10.24	0.63
K08-TD	17.99	19.61	10.59	3.23	7.56	18.82	17.64	3"NPT	7.36	3.05	0.51	11.81	13.78	25.55	15.43	0.98	5.39	0.20	M8	12.20	18.94	12.56	10.24	0.63
K09-TD	19.37	22.09	12.4	3.78	8.86	20.00	18.82	4"NPT	8.66	3.58	0.51	11.81	13.78	29.33	17.91	0.98	7.83	0.20	M8	14.17	21.89	14.65	11.89	0.63
K10-TD	20.31	22.56	12.4	3.78	8.86	20.00	18.82	4"NPT	8.66	3.58	0.51	11.81	13.78	29.33	17.91	0.98	7.83	0.20	M8	14.17	21.89	14.65	11.89	0.63
K11-TD	21.26	23.70	13.07	3.54	9.13	21.18	20.00	4"NPT	9.53	3.94	0.51	11.81	13.78	30.12	18.50	0.98	8.03	0.20	M8	15.35	21.89	15.24	12.76	0.63

Model	Maximum flow Scfm		Installed power Hp		Maximum differential pressure Δp (In WG)		Noise level Lp dB (A) (1)		Overall dimensions H Inches	Weight Lbs
	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm		
K07-TD	296	245	7 1/2	6 1/4	90	105	80.9	78.9	23.03	187.40
			10	8 1/3	135	150	81.2	79.2	23.03	198.40
			15	12 1/2	225	241	81.8	79.8	24.41	219.40
K08-TD	368	305	7 1/2	6 1/4	58	75	80.1	78.1	23.03	199.50
			10	8 1/3	95	110	80.4	78.4	23.03	210.50
			15	12 1/2	170	185	81.5	79.5	24.41	232.60
K09-TD	467	387	15	12 1/2	105	125	82.7	80.7	25.59	255.70
			20	16 2/3	160	180	83.0	81.0	29.33	286.50
			25	20 5/6	220	240	83.3	81.3	29.33	346.10
K10-TD	571	473	15	12 1/2	85	100	86.6	84.6	25.59	273.40
			20	16 2/3	130	150	86.9	84.9	29.33	304.20
			25	20 5/6	180	200	87.2	85.2	29.33	363.80
K11-TD	642	532	20	16 2/3	90	115	87.4	85.4	29.92	319.70
			25	20 5/6	130	155	87.9	85.9	29.92	379.20

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

F.P.Z. GmbH

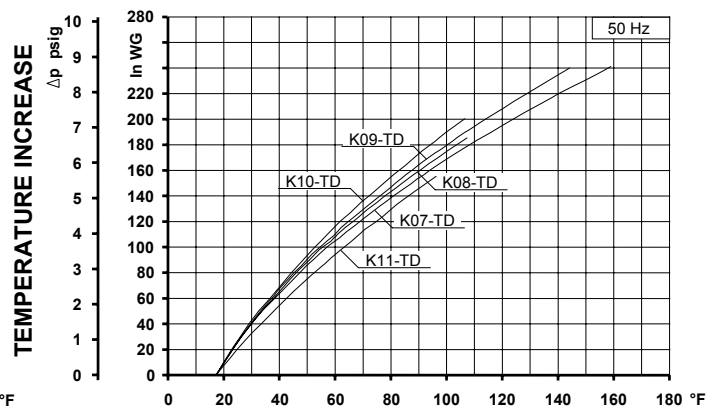
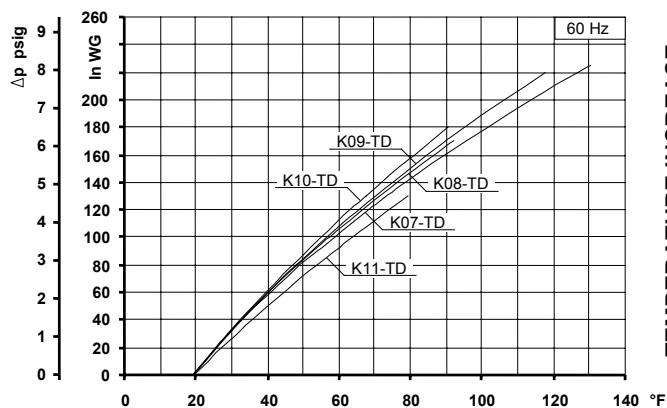
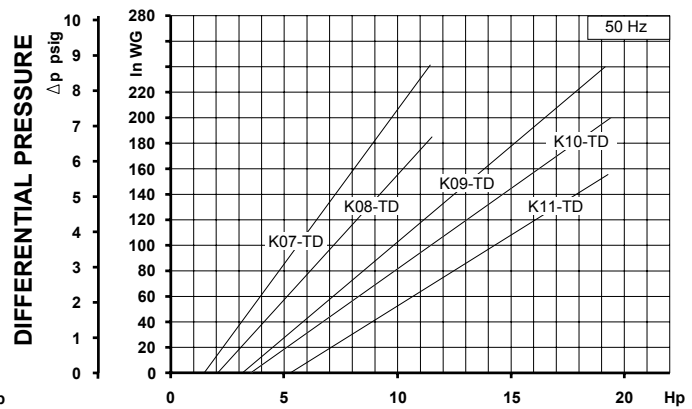
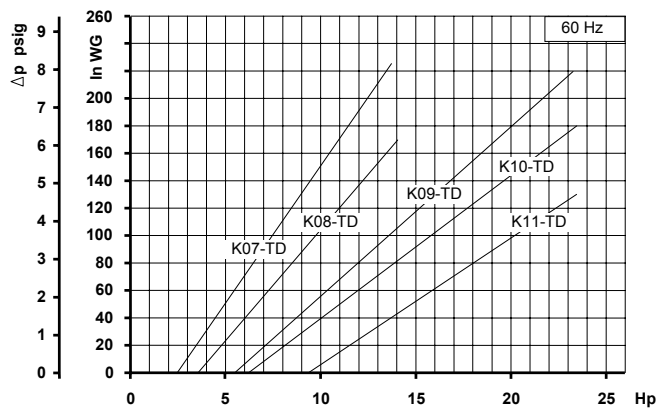
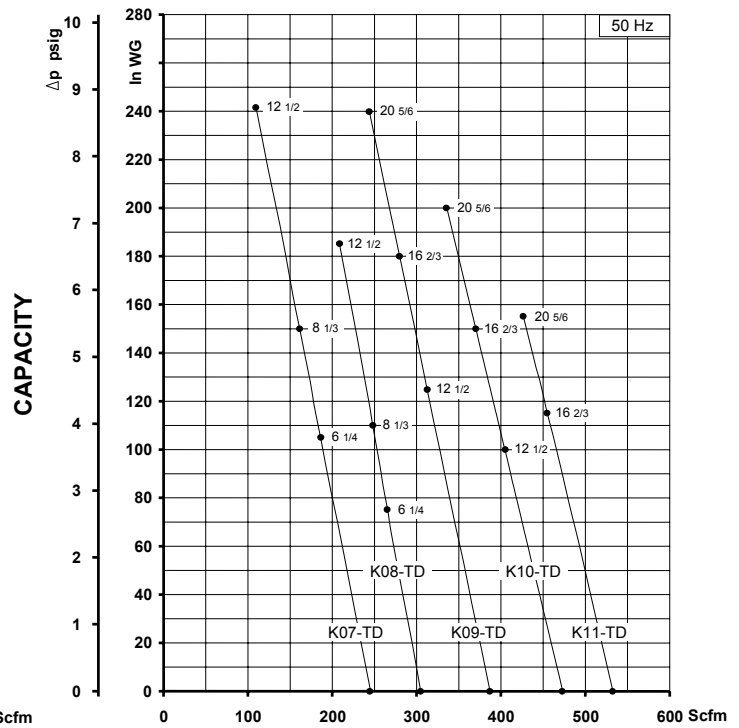
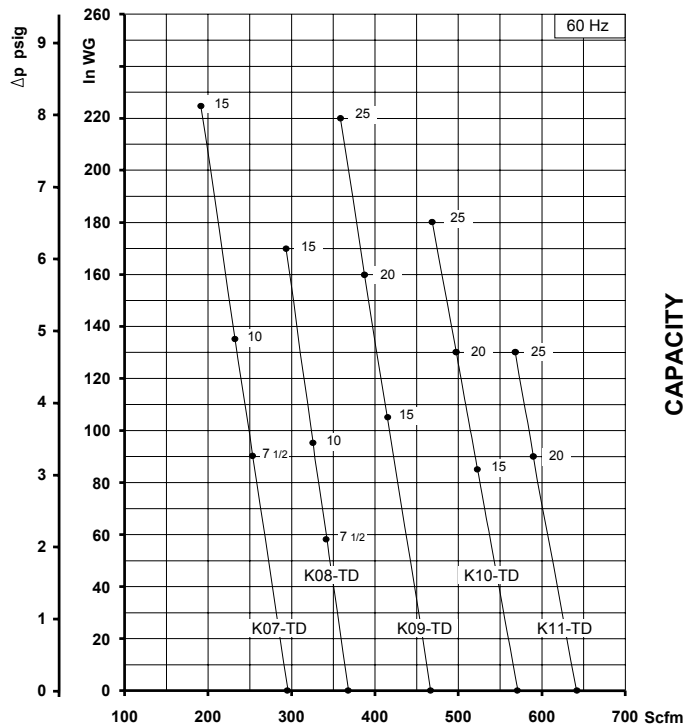
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Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
Tolerance on given values: $\pm 10\%$.
Data can change without prior notice.

**TECHNICAL CHARACTERISTICS**

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

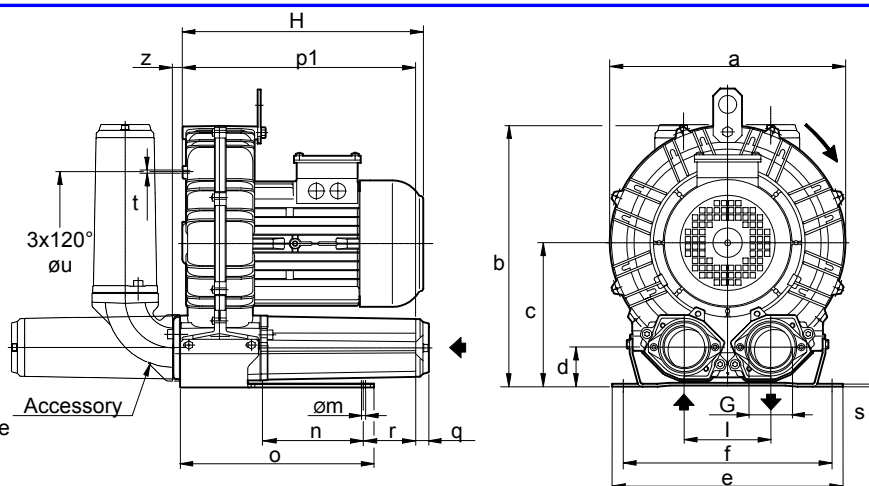
OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

See page 63 for alternative mounting positions.



Dimensions in inches

Model	a	b	c	d	e	f	G	I	m	n	o	p1	q	r	s	t	u	z
K03-MS																		
K04-MS																		
K05-MS	12.87	14.37	7.87	2.13	12.60	10.24	2" NPT	4.72	0.59	4.53	10.43	12.60	0.71	3.86	0.16	M8	7.87	0.75
K06-MS	14.80	15.47	8.07	2.13	12.80	11.42	2" NPT	4.92	0.59	5.51	10.43	13.15	0.71	3.35	0.16	M8	9.45	0.75

Model	Maximum flow cfm		Installed power Hp		Maximum differential pressure Δp (In Hg)		Noise level Lp dB (A) (1)		Overall dimensions H Inches	Weight Lbs
	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm		
K03-MS										
K04-MS										
K05-MS	156	129	2	1 2/3	3.8	4.4	69.5	67.5	12.09	51.80
			3	2 1/2	6.6	7.1	69.8	67.8	12.99	58.40
			4	-	8.1	-	70.1	-	14.76	67.20
K06-MS	216	179	3	2 1/2	3.7	4.3	72.0	70.0	14.45	68.70
			4	3 1/3	5.5	6.2	72.3	70.3	14.45	71.65
			5	4 1/6	7.4	8.1	72.6	70.6	14.45	77.60
			6 1/5	-	9.6	-	72.9	-	14.45	77.60

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

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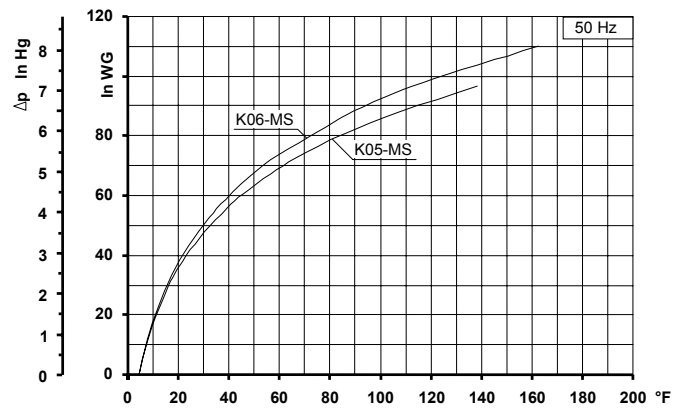
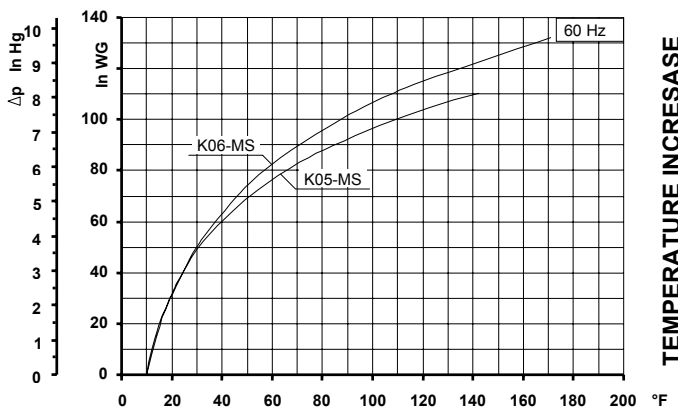
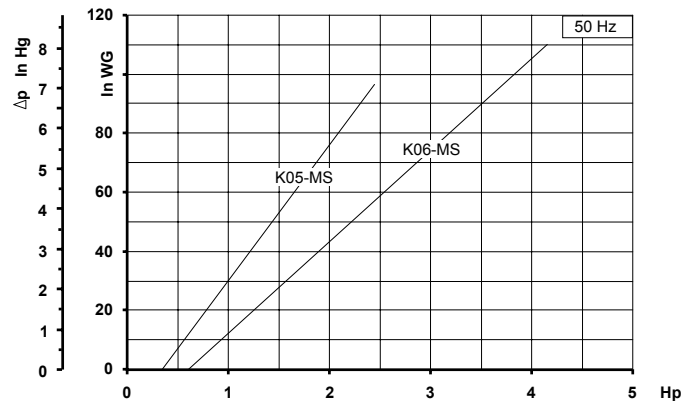
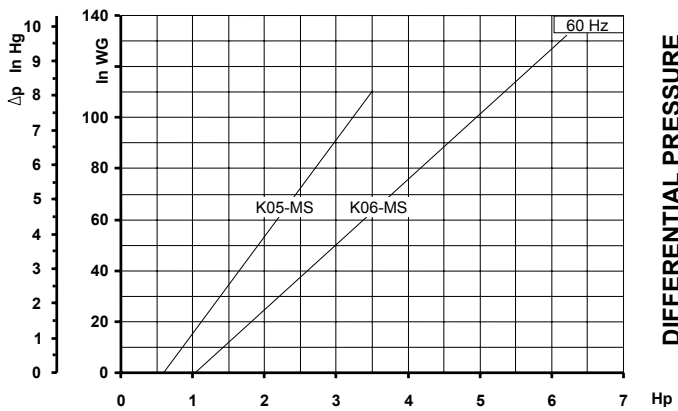
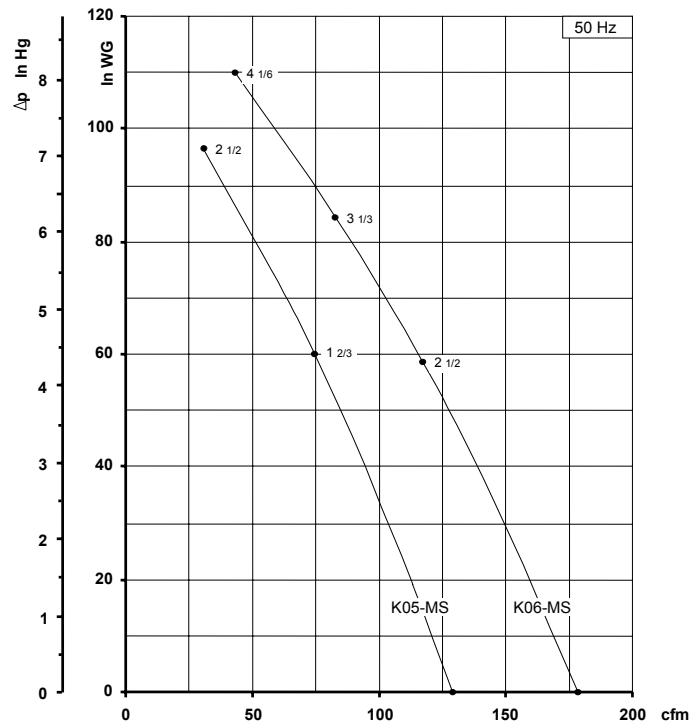
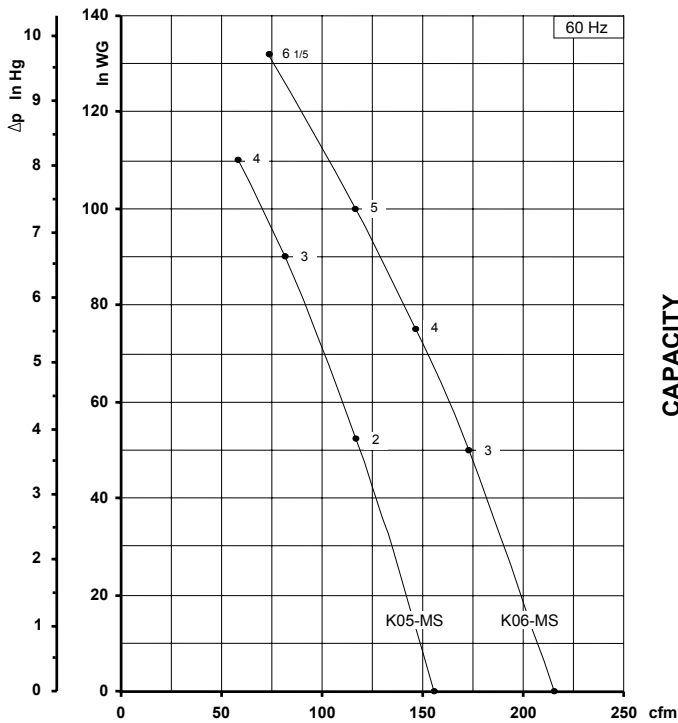
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F.P.Z. effepizeta s.r.l.

Via F.lli Cervi 16/18
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Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
Tolerance on given values $\pm 10\%$.
Data can change without prior notice.

**TECHNICAL CHARACTERISTICS**

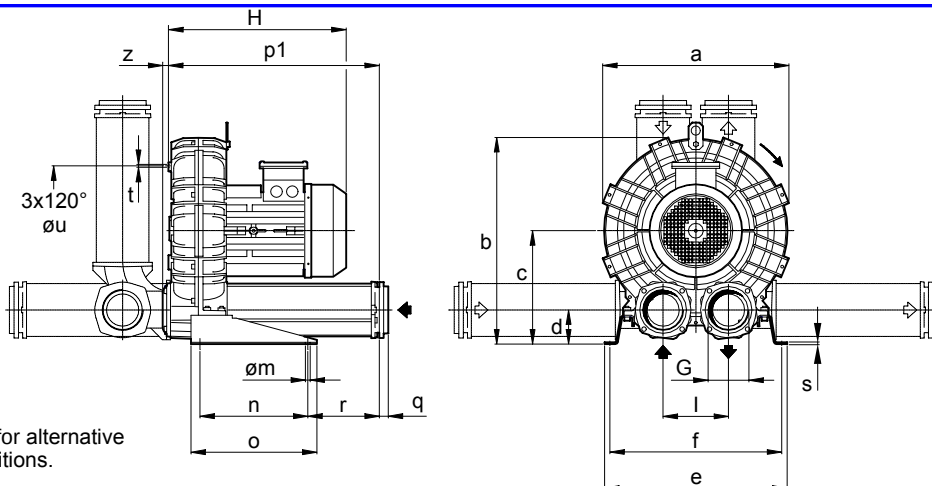
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



See page 64 for alternative mounting positions.

Dimensions in inches

Model	a	b	c	d	e	f	G	l	m	n	o	p1	q	r	s	t	u	z
K07-MS	16.69	18.84	10.59	3.23	18.43	17.24	3" NPT	6.10	0.51	11.81	13.78	20.16	0.98	5.39	0.20	M8	11.61	0.63
K08-MS	17.99	19.61	10.59	3.23	18.82	17.64	3" NPT	6.10	0.51	11.81	13.78	20.16	0.98	5.39	0.20	M8	12.20	0.63
K09-MS	19.37	22.09	12.40	3.78	20.00	18.82	4" NPT	7.17	0.51	11.81	13.78	23.07	0.98	7.83	0.20	M8	14.17	0.63
K10-MS	20.31	22.56	12.40	3.78	20.00	18.82	4" NPT	7.17	0.51	11.81	13.78	23.07	0.98	7.83	0.20	M8	14.17	0.63
K11-MS	21.34	23.74	13.07	3.58	21.18	20.00	4" NPT	7.87	0.51	11.81	13.78	23.46	0.98	8.03	0.20	M8	15.35	0.63

Model	Maximum flow cfm		Installed power Hp		Maximum differential pressure Δp (In Hg)		Noise level Lp dB (A)		Overall dimensions H	Weight
	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm		
K07-MS	294	243	4	3 1/3	3.7	4.6	77.7	75.7	16.1	104.50
			5	4 1/6	5.6	6.3	78.0	76.0	16.1	112.20
			7 1/2	6 1/4	9.6	8.9	78.3	76.3	17.5	135.20
			10	-	11.1	-	78.6	-	17.5	146.30
K08-MS	381	316	5	4 1/6	2.9	3.8	78.8	76.8	16.1	115.70
			7 1/2	6 1/4	5.9	6.6	79.1	77.1	17.5	138.90
			10	8 1/3	8.5	9.2	79.4	77.4	17.5	150.00
			15	-	11.1	-	79.7	-	17.5	170.80
K09-MS	471	390	7 1/2	6 1/4	3.7	4.6	79.3	77.3	17.95	159.8
			10	8 1/3	5.9	7.0	79.6	77.6	17.95	170.9
			15	12 1/2	10.3	10.4	80.1	78.1	19.37	192.9
			20	-	11.1	-	80.4	-	22.97	203.9
K10-MS	556	460	7 1/2	6 1/4	2.7	3.8	79.4	77.4	17.95	165.30
			10	8 1/3	4.7	5.9	79.7	77.7	17.95	176.40
			15	12 1/2	8.8	9.9	80.2	78.2	19.37	198.40
			20	-	11.1	-	80.5	-	23.05	253.00
K11-MS	650	539	10	8 1/3	2.9	3.9	82.0	80.0	18.11	184.10
			15	12 1/2	6.0	7.1	82.5	80.5	19.49	206.10
			20	16 5/6	9.2	10.4	83.0	81.0	23.17	217.20
			25	-	11.1	-	83.8	-	23.17	283.30

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

F.P.Z. GmbH

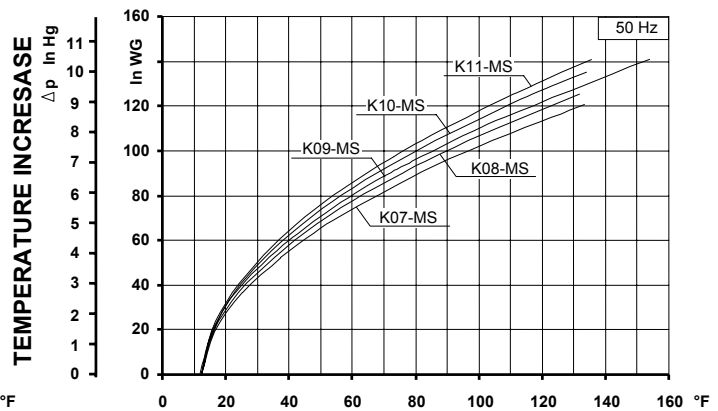
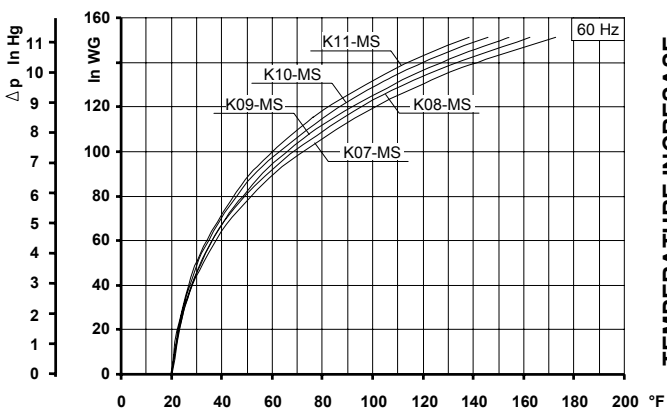
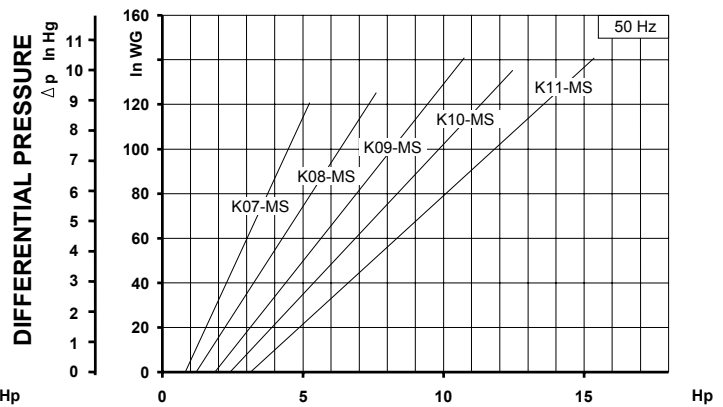
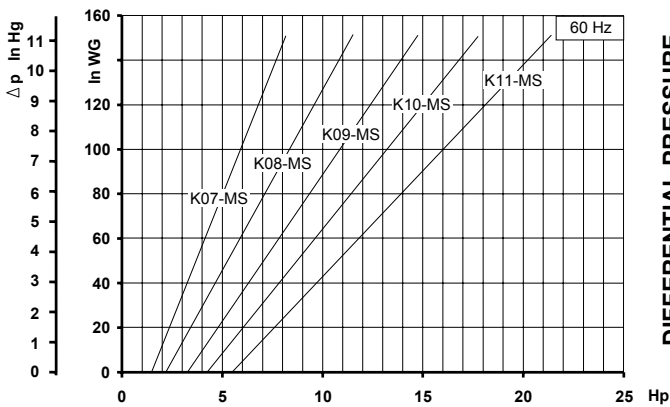
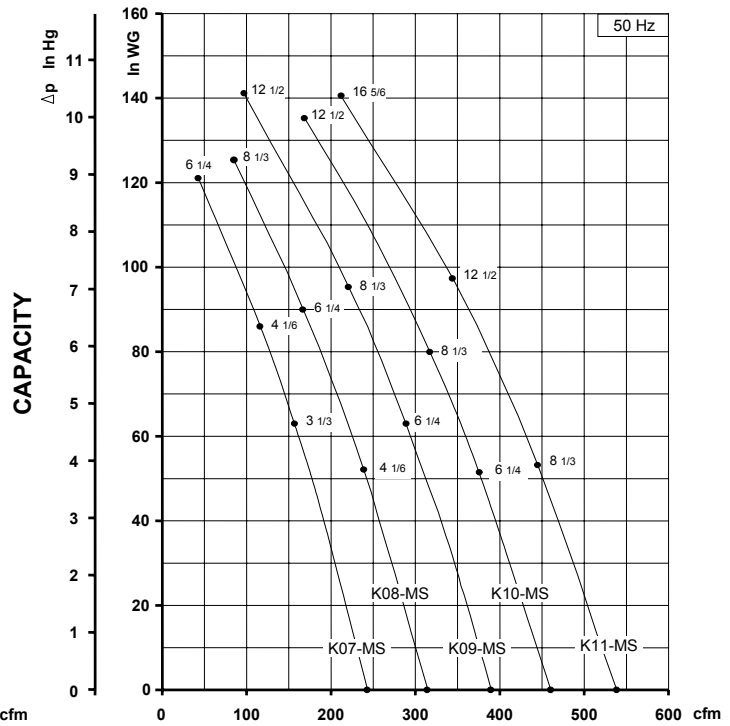
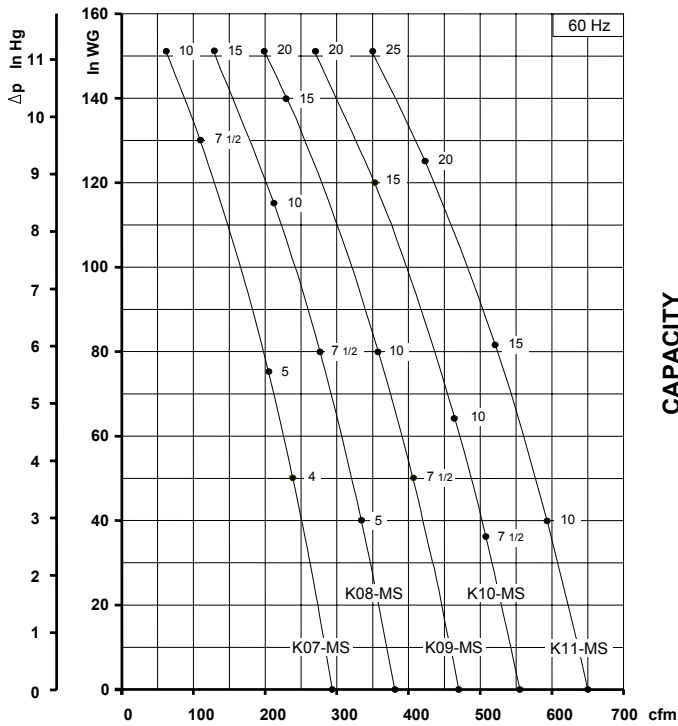
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Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
Tolerance on given values $\pm 10\%$.
Data can change without prior notice.

**TECHNICAL CHARACTERISTICS**

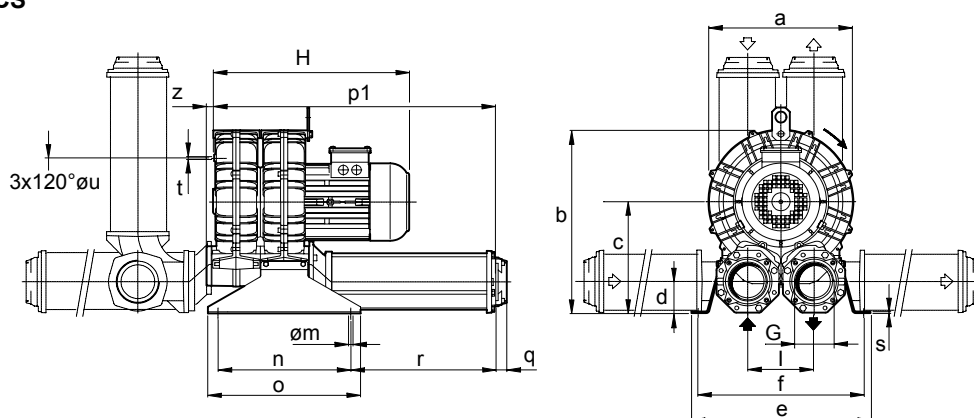
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



Dimensions in inches

Model	a	b	c	d	e	f	G	l	m	n	o	p1	q	r	s	t	u	z
K03-TS																		
K04-TS																		
K05-TS	12.87	16.61	10.16	3.03	15.91	14.72	3" NPT	5.91	0.51	11.81	13.58	24.96	0.98	12.91	0.16	M8	7.87	0.75
K06-TS																		

Model	Maximum flow cfm		Installed power Hp		Maximum differential pressure Δp (In Hg)		Noise level Lp dB (A) (1)		Overall dimensions H Inches	Weight Lbs
	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm		
K03-TS										
K04-TS										
K05-TS	290	241	3	2 1/2	2.1	2.7	71.6	69.6	17.32	89.30
			4	3 1/3	3.4	4.0	73.1	71.1	19.09	98.10
			5	4 1/6	4.8	5.3	75.1	73.1	19.09	105.80
K06-TS										

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

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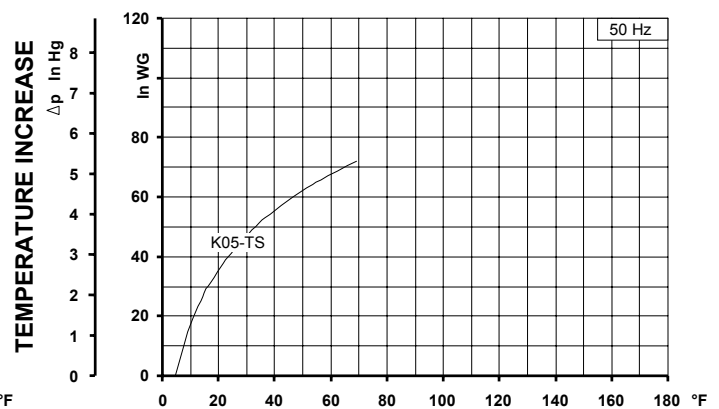
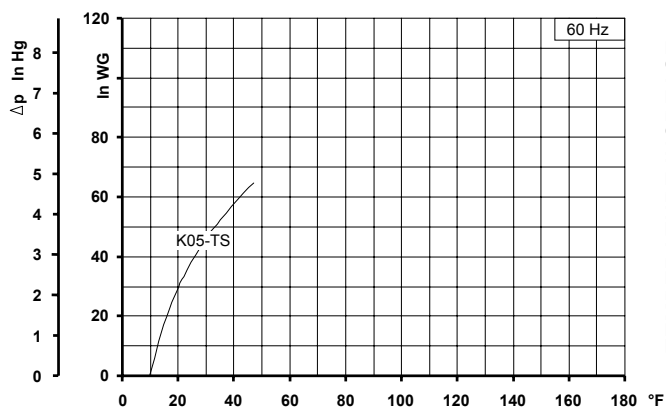
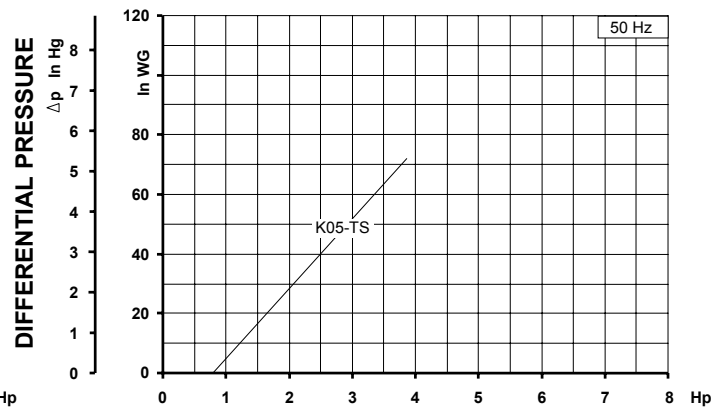
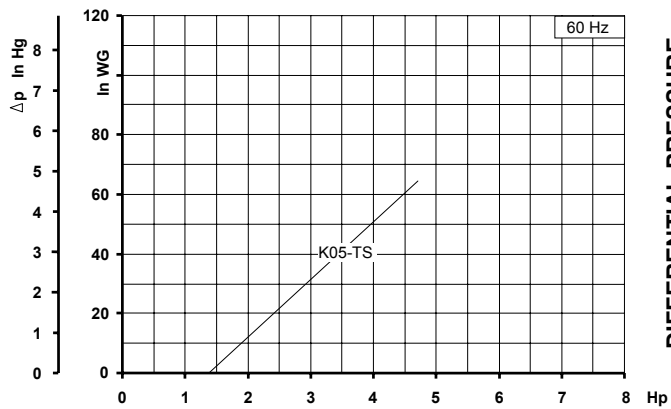
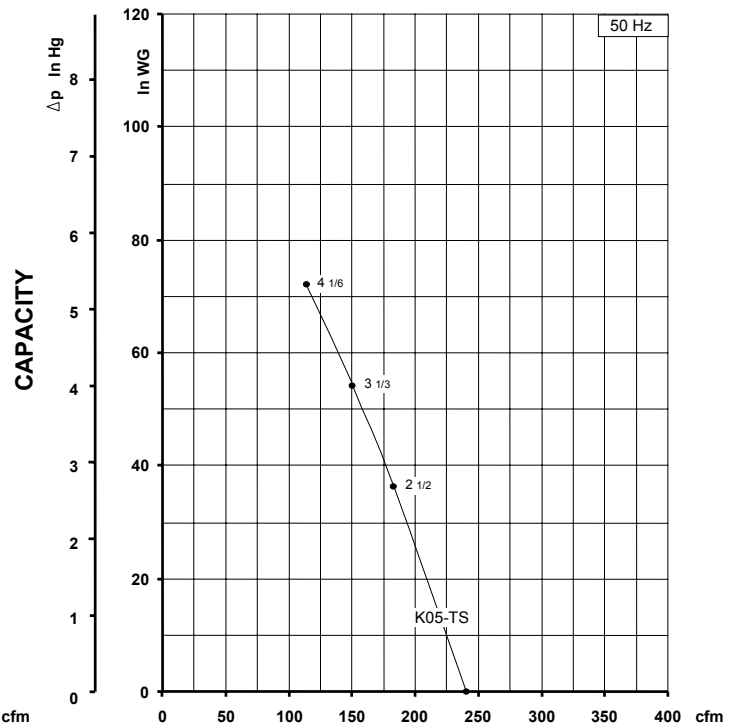
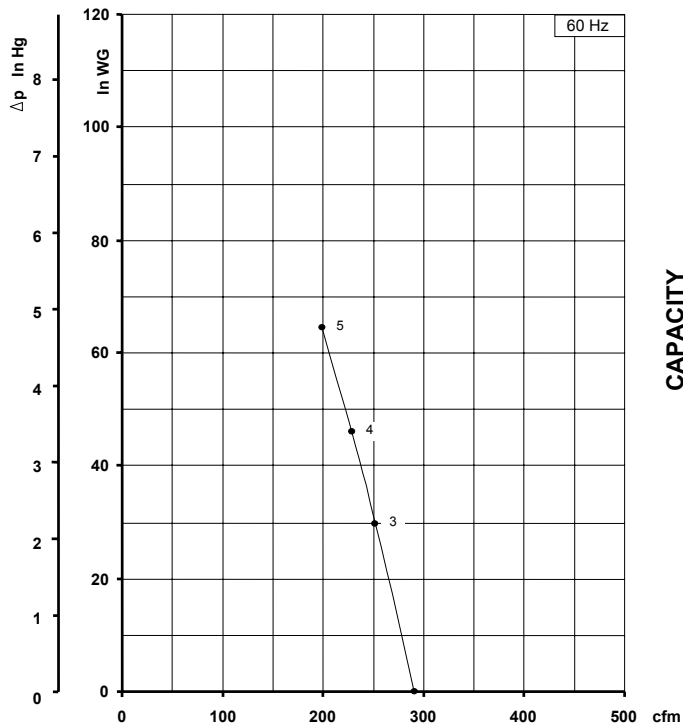
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Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
Tolerance on given values $\pm 10\%$.
Data can change without prior notice.

**TECHNICAL CHARACTERISTICS**

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

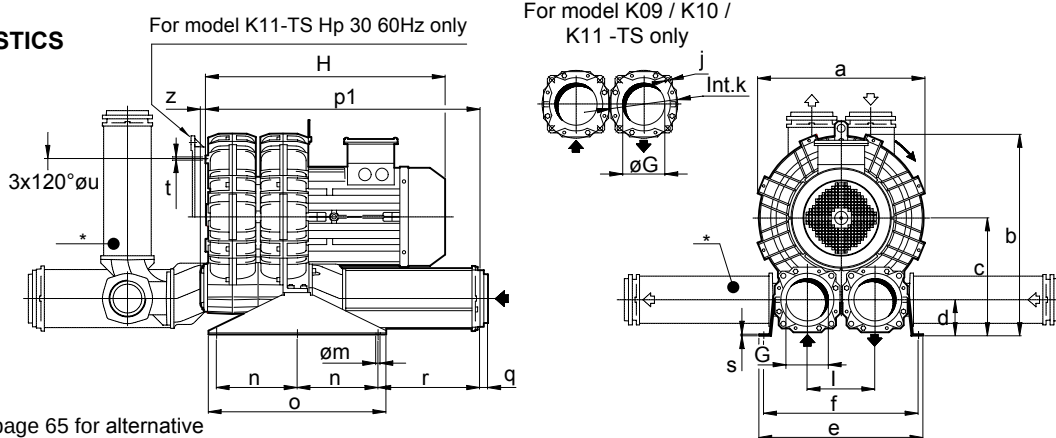
OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

See page 65 for alternative mounting positions.



Dimensions in inches

(*) For Model K07/ K08-TS only

Model	a	b	c	d	e	f	G	I	j	k	m	n	o	p1	q	r	s	t	u	z
K07-TS	16.69	20.91	12.56	3.86	18.43	17.24	4"NPT	7.17	-	-	0.51	9.84	21.65	31.57	0.98	11.77	0.20	M8	11.61	0.63
K08-TS	18.03	21.57	12.56	3.86	18.82	17.64	4"NPT	7.17	-	-	0.51	9.84	21.65	31.57	0.98	11.77	0.20	M8	12.20	0.63
K09-TS	19.37	24.02	14.37	4.41	20.00	18.82	5.12	8.27	M16	8.27	0.51	9.84	21.65	33.46	-	12.40	0.20	M8	14.17	0.63
K10-TS	20.31	24.53	14.37	4.41	20.00	18.82	5.12	8.27	M16	8.27	0.51	9.84	21.65	33.46	-	12.40	0.20	M8	14.17	0.63
K11-TS	21.26	25.59	14.96	4.17	21.26	20.08	5.12	8.98	M16	8.27	0.51	9.84	21.65	34.25	-	12.60	0.20	M8	15.35	0.63

Model	Maximum flow cfm		Installed power Hp		Maximum differential pressure Δp (In Hg)		Noise level Lp dB (A) (1)		Overall dimensions H Inches	Weight Lbs
	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm		
K07-TS	588	487	7 1/2	6 1/4	2.6	3.5	84.5	82.5	23.03	194.00
			10	8 1/3	4.4	5.2	84.8	82.8	23.03	205.00
			15	12 1/2	8.1	8.9	85.4	83.4	24.41	228.20
K08-TS	715	592	7 1/2	6 1/4	1.3	2.2	80.9	78.9	23.03	201.70
			10	8 1/3	2.7	3.7	81.2	79.2	23.03	212.70
			15	12 1/2	5.5	6.4	82.9	80.9	24.41	235.90
K09-TS	941	780	15	12 1/2	3.8	4.5	80.2	82.2	25.59	258.00
			20	16 2/3	5.9	6.6	82.1	84.1	29.33	324.10
			25	20 5/6	8.1	8.8	84.1	86.1	29.33	351.60
K10-TS	1093	906	15	12 1/2	3.0	3.6	89.1	87.1	25.59	269.00
			20	16 2/3	4.8	5.5	89.4	87.4	29.33	331.80
			25	20 5/6	5.9	7.0	89.7	87.7	29.33	359.30
K11-TS	1254	1039	25	20 5/6	3.7	5.0	90.7	88.7	29.92	388.00
			30 (2)	25 (2)	5.1	6.6	91.3	89.3	31.50	411.00

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

(2) K11-TS Hp 30 60 Hz / 25 50 Hz vertical assembly only.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

F.P.Z. GmbH

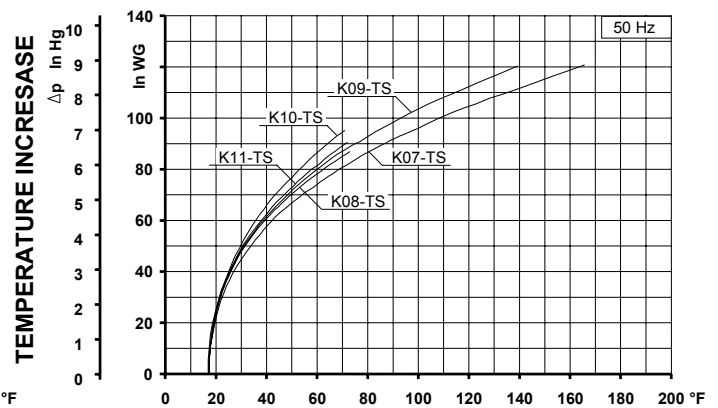
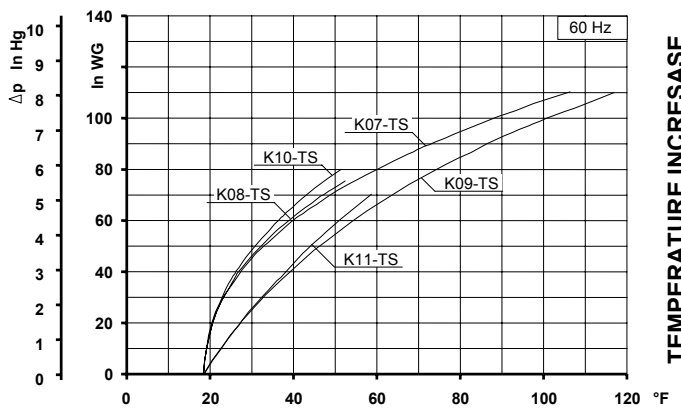
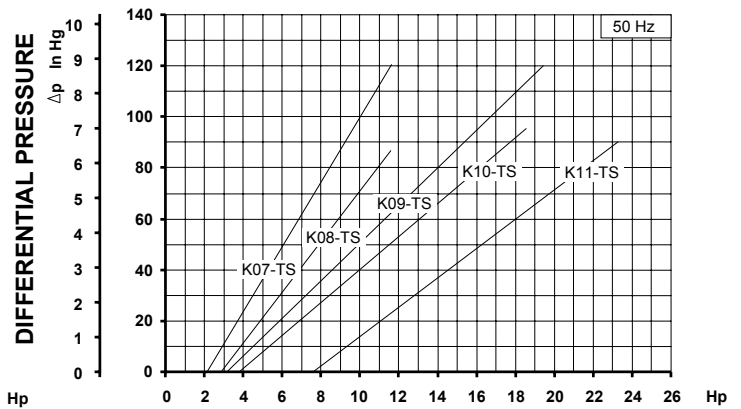
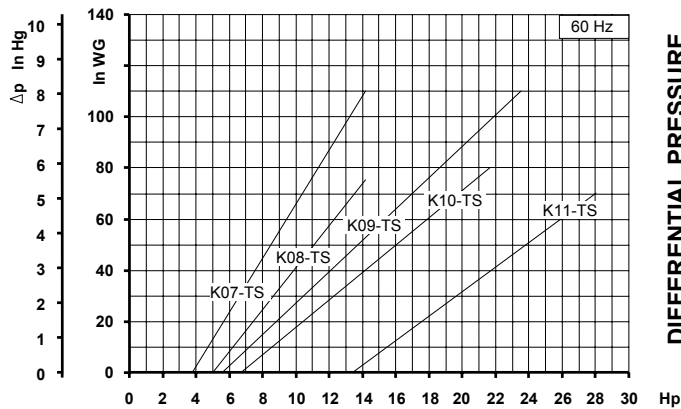
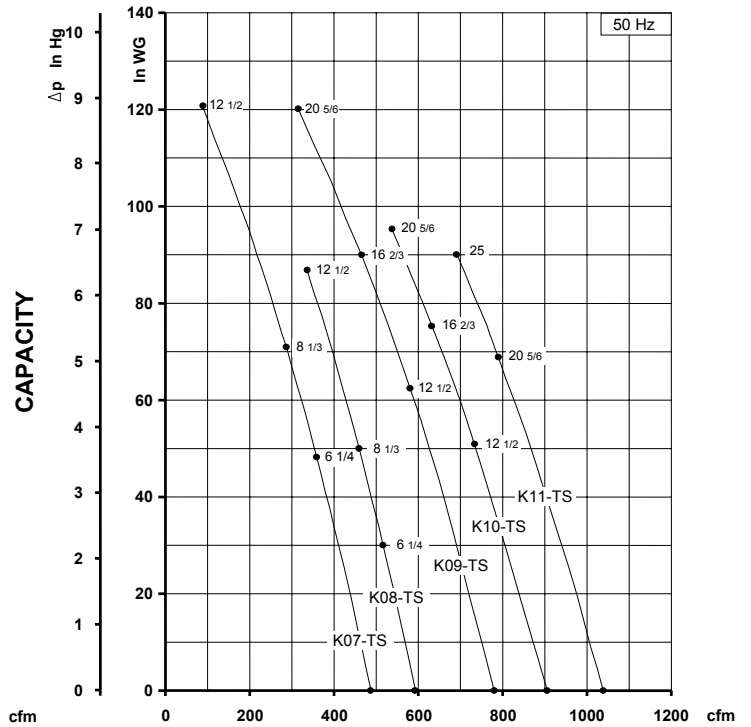
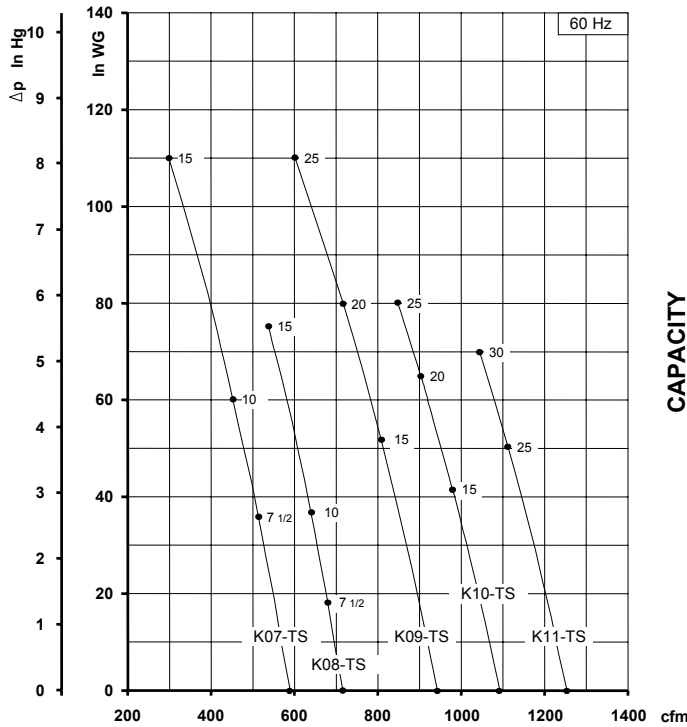
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Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
Tolerance on given values $\pm 10\%$ - data can change without prior notice.

**TECHNICAL CHARACTERISTICS**

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

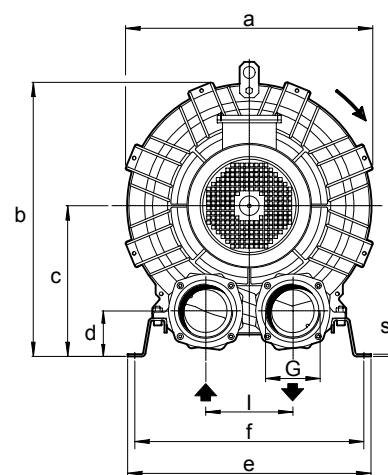
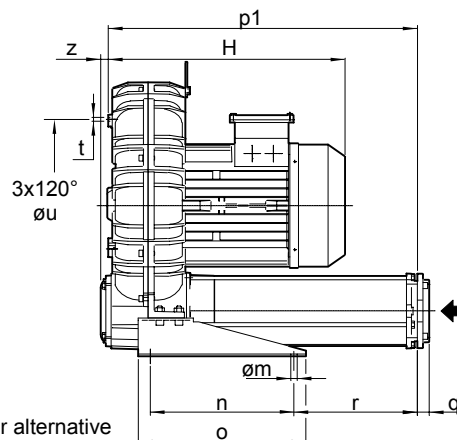
OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

See page 66 for alternative mounting positions.



Dimensions in inches

Model	a	b	c	d	e	f	G	l	m	n	o	p1	q	r	s	t	u	z
K07-MD	16.69	18.94	10.59	3.23	18.43	17.24	3" NPT	6.10	0.51	11.81	13.78	22.13	0.98	7.36	0.20	M8	11.61	0.63
K08-MD	17.99	19.61	10.59	3.23	18.82	17.64	3" NPT	6.10	0.51	11.81	13.78	22.13	0.98	7.36	0.20	M8	12.20	0.63
K09-MD	19.37	22.09	12.40	3.78	20.00	18.82	4" NPT	7.17	0.51	11.81	13.78	25.35	0.98	10.12	0.20	M8	14.17	0.63
K10-MD	20.31	22.56	12.40	3.78	20.00	18.82	4" NPT	7.17	0.51	11.81	13.78	25.35	0.98	10.12	0.20	M8	14.17	0.63
K11-MD	21.35	23.74	13.07	3.58	21.18	20.00	4" NPT	7.87	0.51	11.81	13.78	25.75	0.98	10.31	0.20	M8	15.35	0.63

Model	Maximum flow cfm		Installed power Hp		Maximum differential pressure Δp (In Hg)		Noise level Lp dB (A) ⁽¹⁾		Overall dimensions H	Weight
	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm		
K07-MD	129	107	3	2 1/2	5.0	6.4	72.5	70.5	16.14	109.10
			4	3 1/3	8.1	9.4	73.0	71.0	16.14	111.30
			5	4 1/6	11.0	12.5	73.5	71.5	16.14	119.10
			7 1/2	-	13.2	-	74.0	-	17.52	142.20
K08-MD	168	139	5	4 1/6	6.3	8.1	75.7	73.7	16.14	124.60
			7 1/2	6 1/4	11.9	13.2	76.1	74.1	17.52	147.70
			10	-	13.2	-	76.4	-	17.52	158.70
K09-MD	221	183	5	4 1/6	4.0	5.7	76.4	74.4	16.54	144.40
			7 1/2	6 1/4	8.8	10.5	77.5	75.5	17.95	167.60
			10	8 1/3	14.0	14.0	79.0	77.0	17.95	178.60
K10-MD	275	228	7 1/2	6 1/4	6.3	8.1	80.4	78.4	17.91	170.90
			10	8 1/3	10.3	12.1	80.7	78.7	17.91	181.90
			15	12 1/2	14.7	14.7	81.3	79.3	19.29	203.90
K11-MD	306	254	10	8 1/3	7.4	9.2	80.7	78.7	18.11	211.60
			15	12 1/2	14.0	14.7	81.3	79.3	19.49	232.60
			20	-	14.7	-	81.6	-	23.23	287.20

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

F.P.Z. GmbH

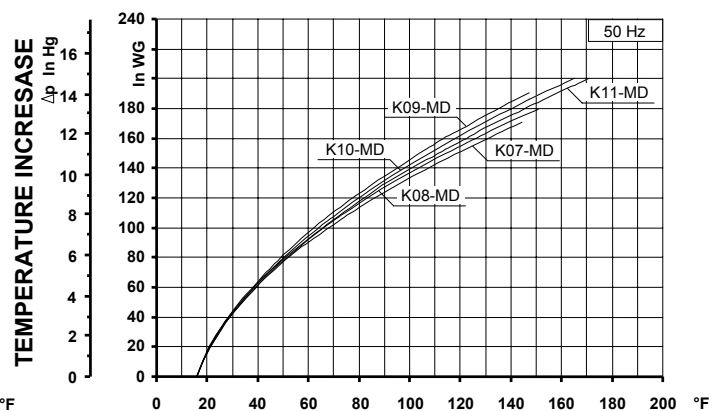
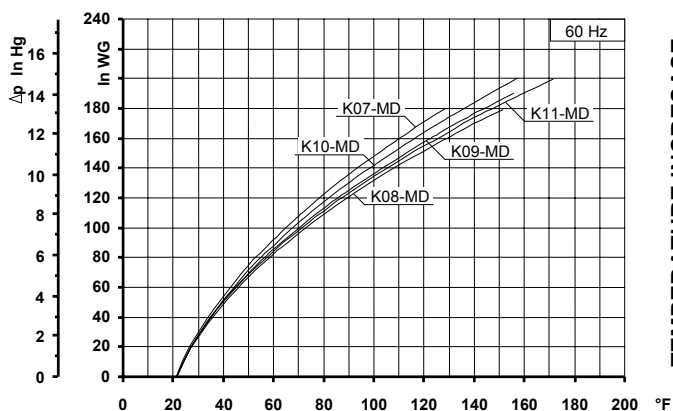
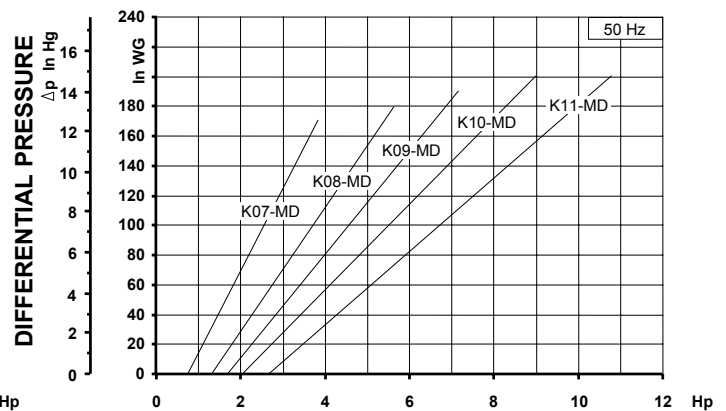
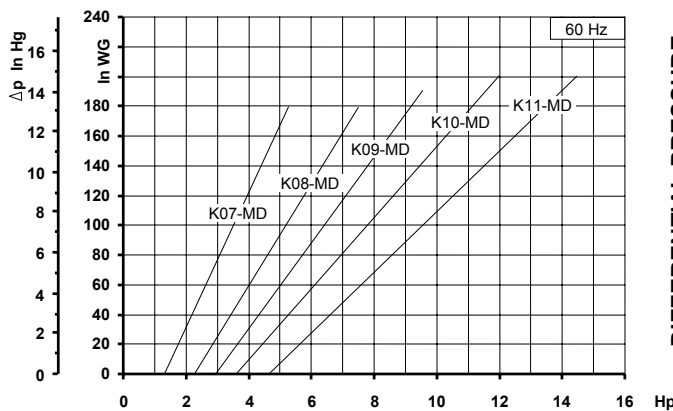
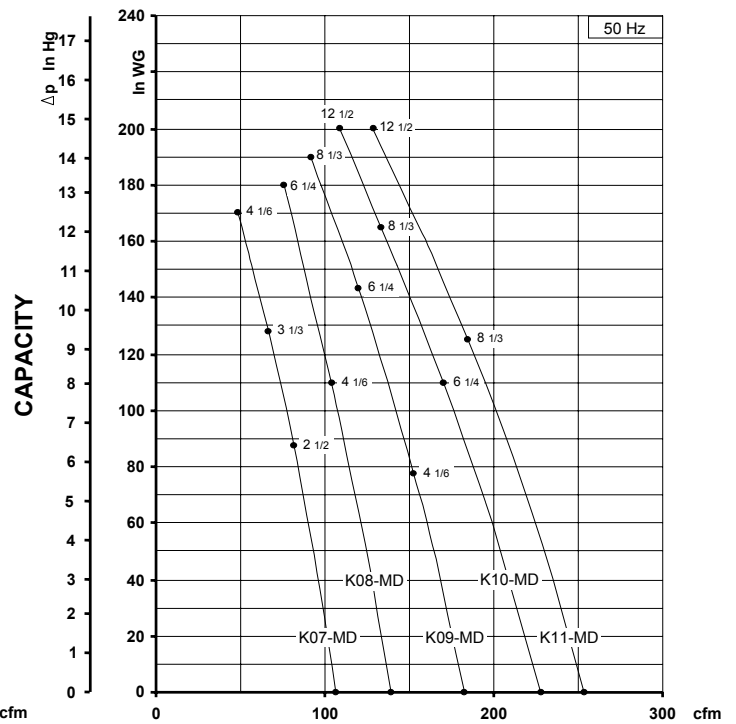
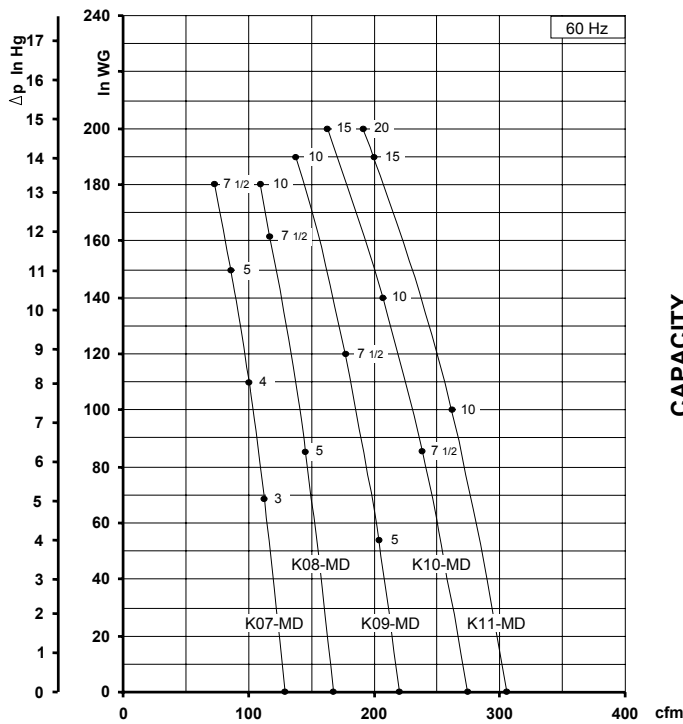
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Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
 Tolerance on given values $\pm 10\%$ - data can change without prior notice.

**TECHNICAL CHARACTERISTICS**

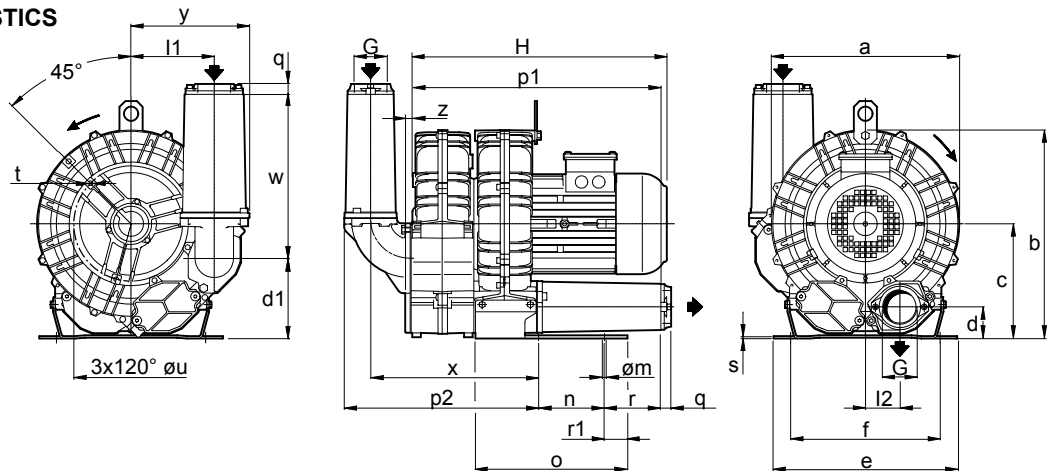
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



Dimensions in inches

Model	a	b	c	d	d1	e	f	G	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	w	x	y	z
K03-TD																									
K04-TD																									
K05-TD	12.87	14.37	7.87	2.13	5.51	12.6	10.24	2"NPT	5.71	2.36	0.55	4.53	10.43	16.85	13.39	0.71	3.86	1.57	0.16	M8	7.87	11.26	11.54	8.11	0.75
K06-TD																									

Model	Maximum flow cfm		Installed power Hp		Maximum differential pressure Δp (In Hg)		Noise level Lp dB (A) (1)		Overall dimensions H Inches	Weight Lbs
	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm		
K03-TD										
K04-TD										
K05-TD	153	127	3	2 1/2	5.1	5.9	72.6	70.6	17.32	79.40
			4	3 1/3	7.7	8.1	74.1	72.1	19.09	88.20
			5	4 1/6	9.9	10.7	75.6	73.6	19.09	95.90
K06-TD										

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

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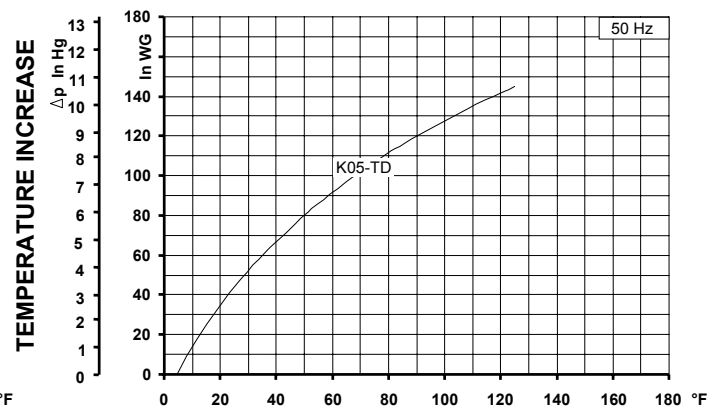
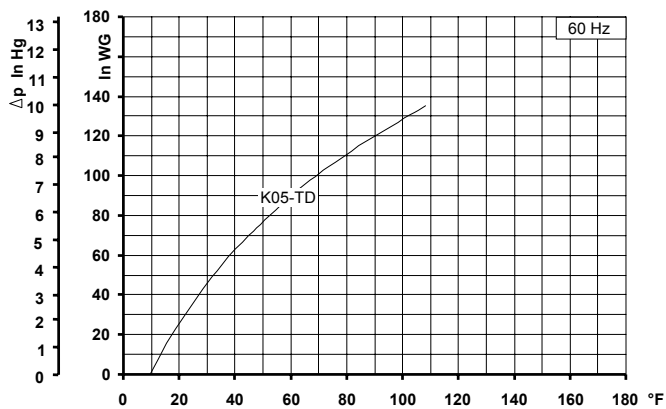
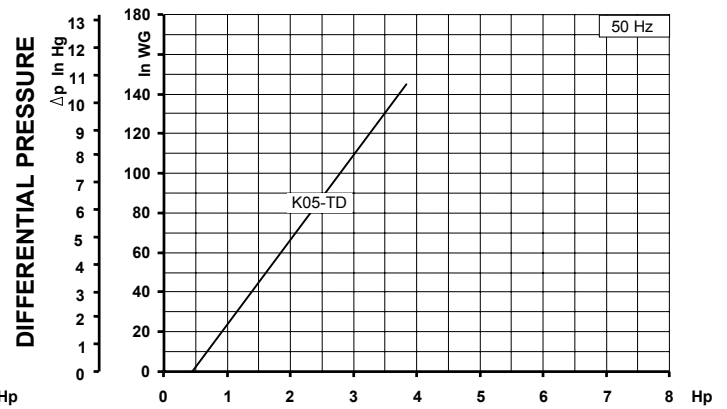
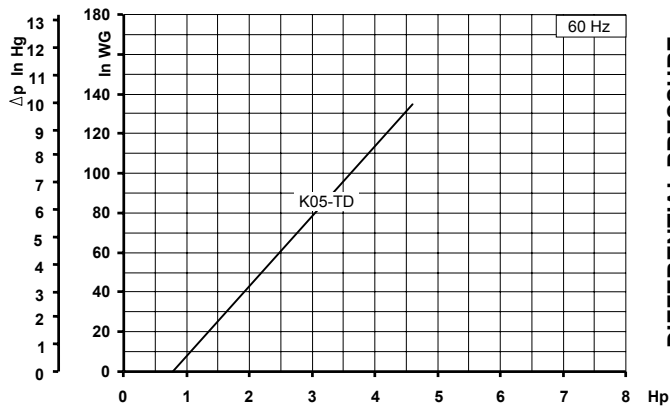
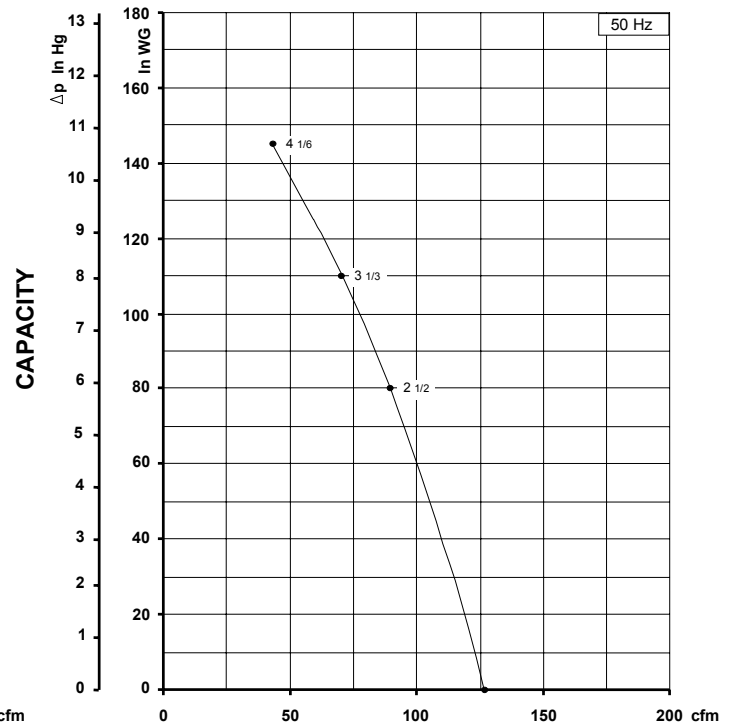
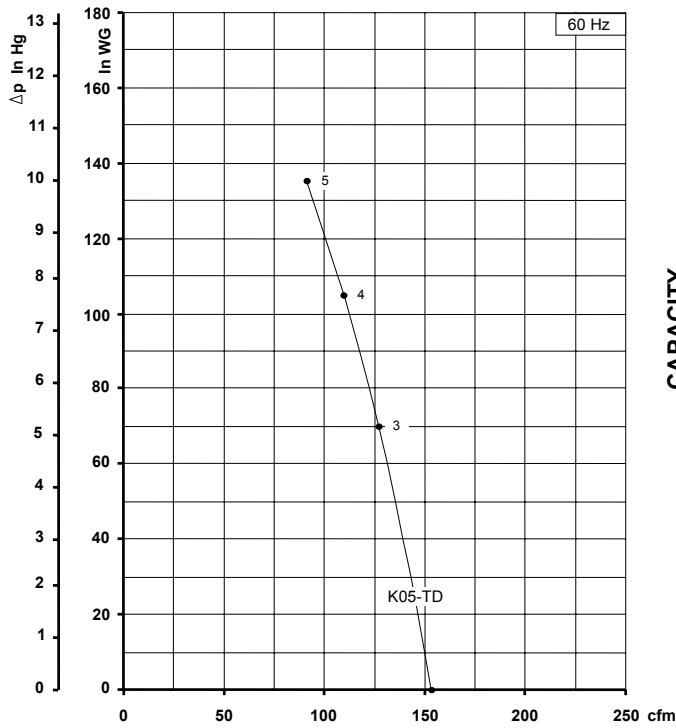
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Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
Tolerance on given values $\pm 10\%$.
Data can change without prior notice.



TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

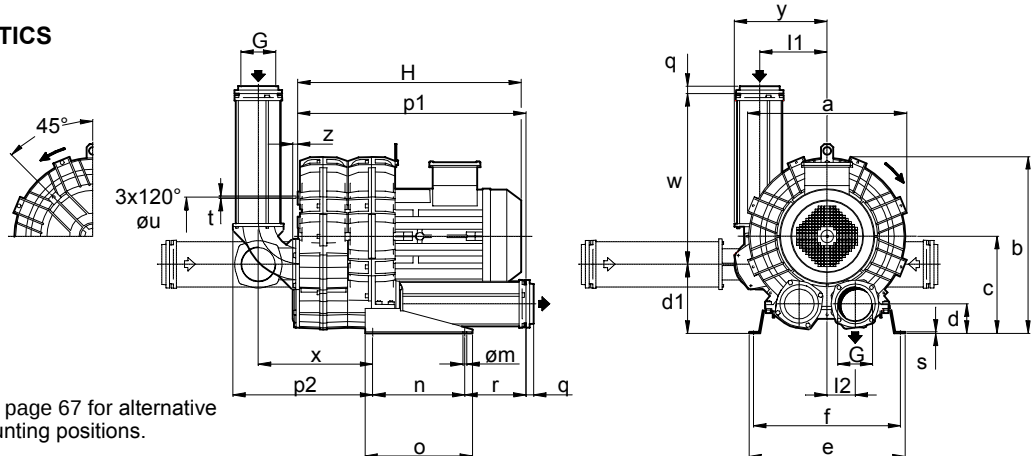
OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

See page 67 for alternative mounting positions.



Dimensions in inches

Model	a	b	c	d	d1	e	f	G	l1	l2	m	n	o	p1	p2	q	r	s	t	u	w	x	y	z
K07-TD	16.69	18.94	10.59	3.23	7.56	18.43	17.24	3"NPT	7.36	3.05	0.51	11.81	13.78	25.55	15.43	0.98	5.39	0.20	M8	11.61	18.94	12.56	10.24	0.63
K08-TD	17.99	19.61	10.59	3.23	7.56	18.82	17.64	3"NPT	7.36	3.05	0.51	11.81	13.78	25.55	15.43	0.98	5.39	0.20	M8	12.2	18.94	12.56	10.24	0.63
K09-TD	19.37	22.09	12.40	3.78	8.86	20.00	18.82	4"NPT	8.66	3.58	0.51	11.81	13.78	29.33	17.91	0.98	7.83	0.20	M8	14.17	21.89	14.65	11.89	0.63
K10-TD	20.31	22.56	12.40	3.78	8.86	20.00	18.82	4"NPT	8.66	3.58	0.51	11.81	13.78	29.33	17.91	0.98	7.83	0.20	M8	14.17	21.85	14.65	11.89	0.63
K11-TD	21.26	23.70	13.07	3.54	9.13	21.18	20.00	4"NPT	9.53	3.94	0.51	11.81	13.78	30.12	18.50	0.98	8.03	0.20	M8	15.35	21.89	15.24	12.76	0.63

Model	Maximum flow cfm		Installed power Hp		Maximum differential pressure Δp (In Hg)		Noise level Lp dB (A) ⁽¹⁾		Overall dimensions H	Weight
	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	60 Hz 3500 rpm	50 Hz 2900 rpm	Inches	Lbs
K07-TD	296	245	7 1/2	6 1/4	6.6	7.7	78.6	76.6	23.03	187.40
			10	8 1/3	9.9	11.0	78.9	76.9	23.03	198.40
			15	12 1/2	13.2	12.6	79.5	77.5	24.41	219.40
K08-TD	368	305	7 1/2	6 1/4	4.3	5.5	79.0	77.0	23.03	199.50
			10	8 1/3	7.0	8.1	79.3	77.3	23.03	210.50
			15	12 1/2	12.5	13.6	79.9	77.9	24.41	232.60
K09-TD	467	387	15	12 1/2	7.7	9.2	82.2	80.2	25.59	255.70
			20	16 2/3	11.7	13.2	82.5	80.5	29.33	286.50
			25	-	14.0	-	82.8	-	29.33	346.10
K10-TD	571	473	15	12 1/2	6.3	7.4	85.9	83.9	25.59	273.40
			20	16 2/3	9.6	11.0	86.2	84.2	29.33	304.20
			25	20 5/6	13.2	14.7	86.5	84.5	29.33	363.80
K11-TD	642	532	20	16 2/3	6.6	8.5	86.7	84.7	29.92	319.70
			25	20 5/6	9.6	11.4	87.2	85.2	29.92	379.20

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

F.P.Z. GmbH

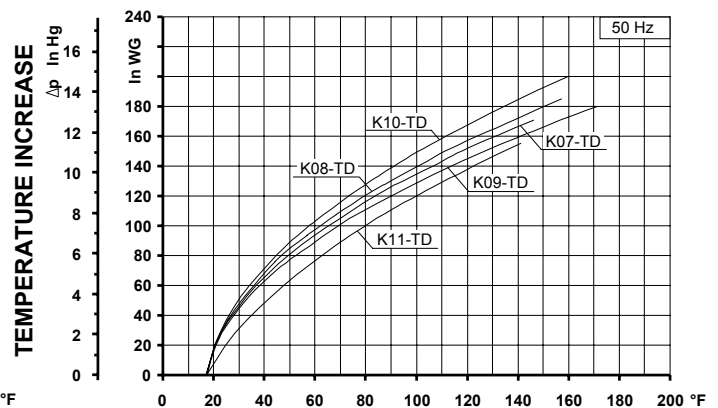
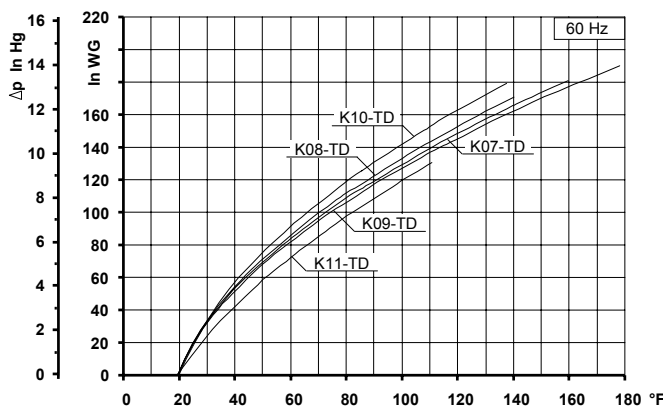
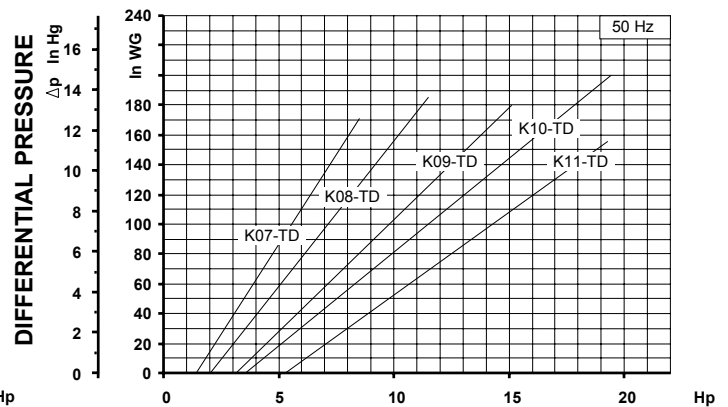
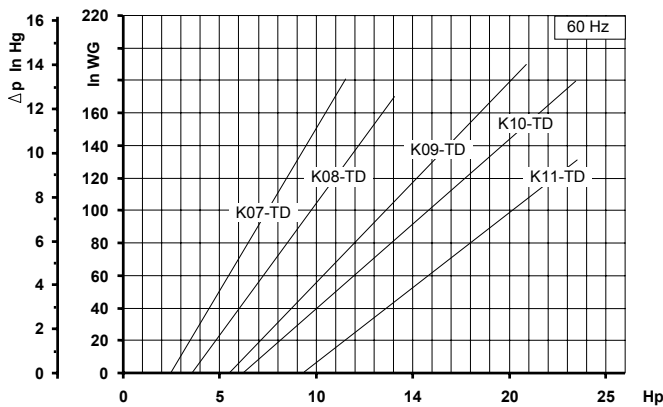
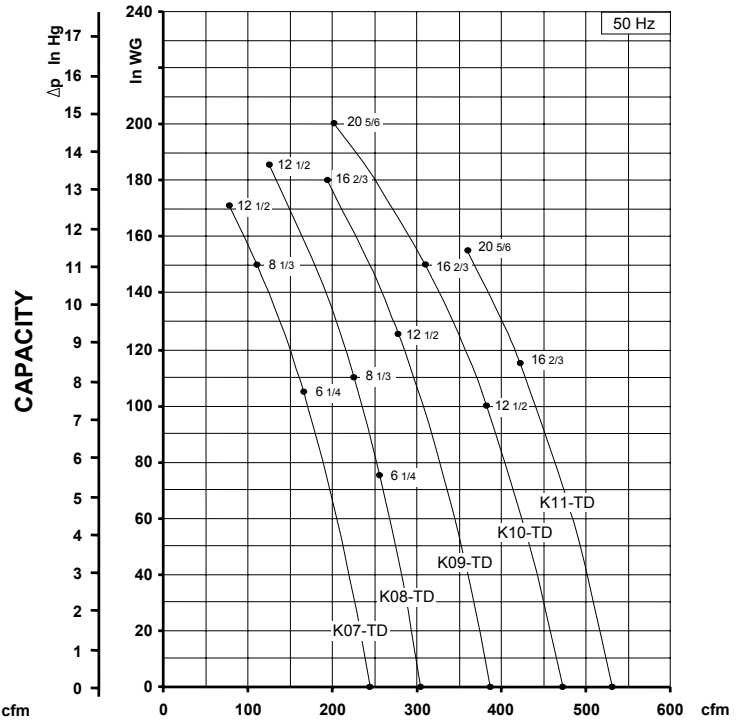
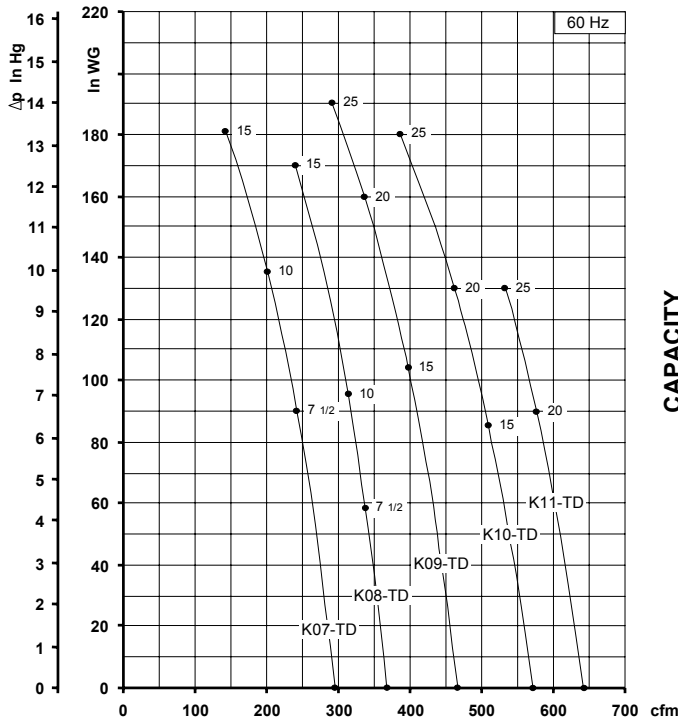
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Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
Tolerance on given values $\pm 10\%$.
Data can change without prior notice.



Standard features

- Low weight die cast aluminum construction.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5 °F to +105 °F.
- Mountable in any plane.

Options

- Remote drive models (belt or coupling).
- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

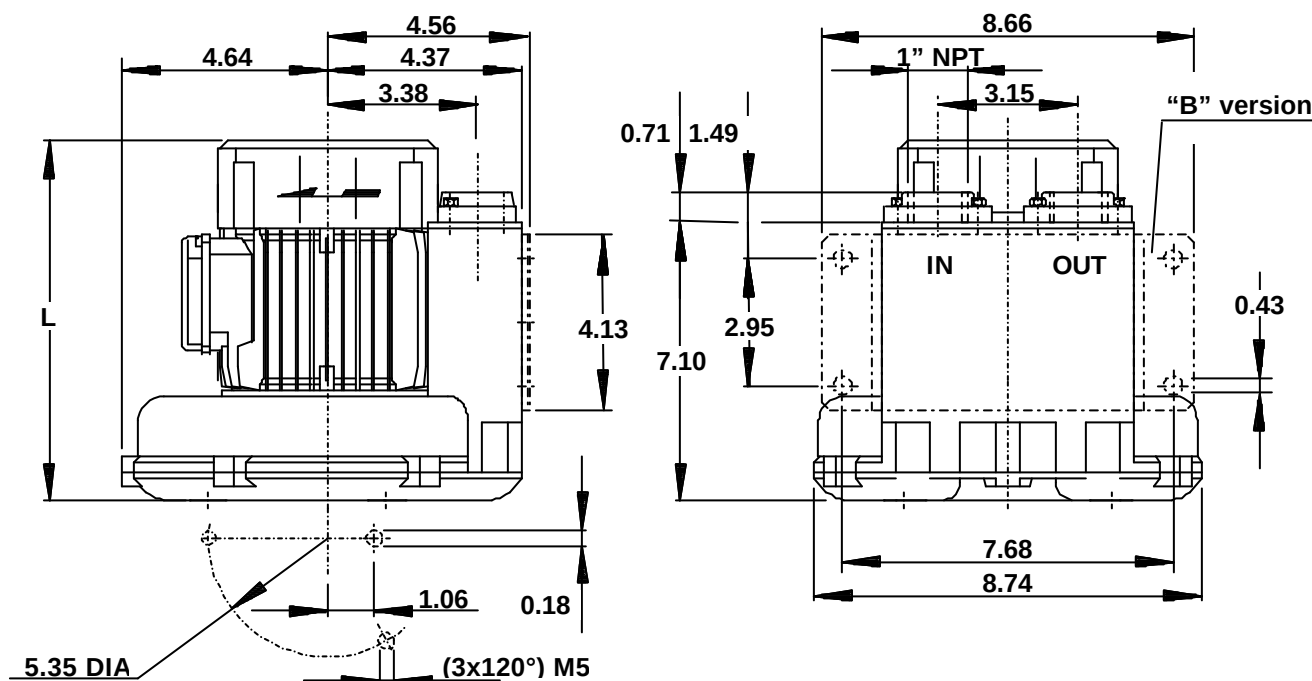
Accessories

- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optional connectors.

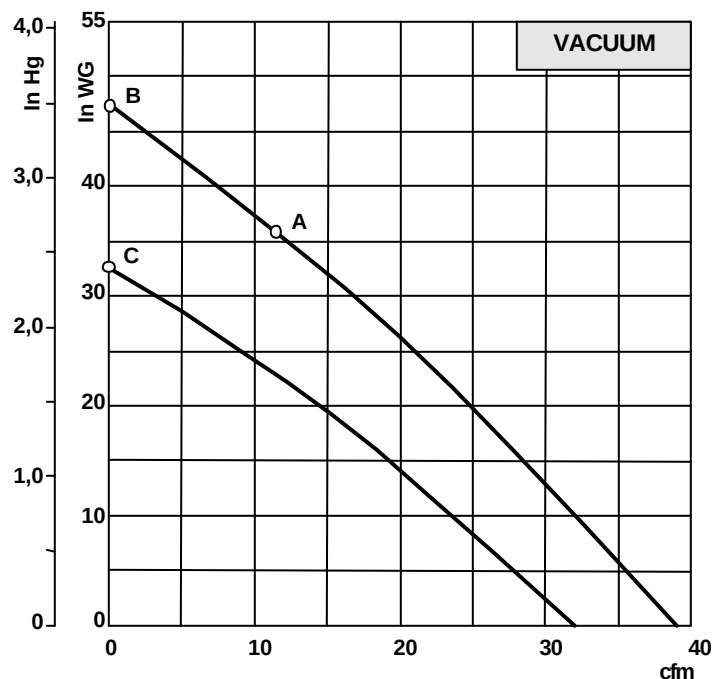
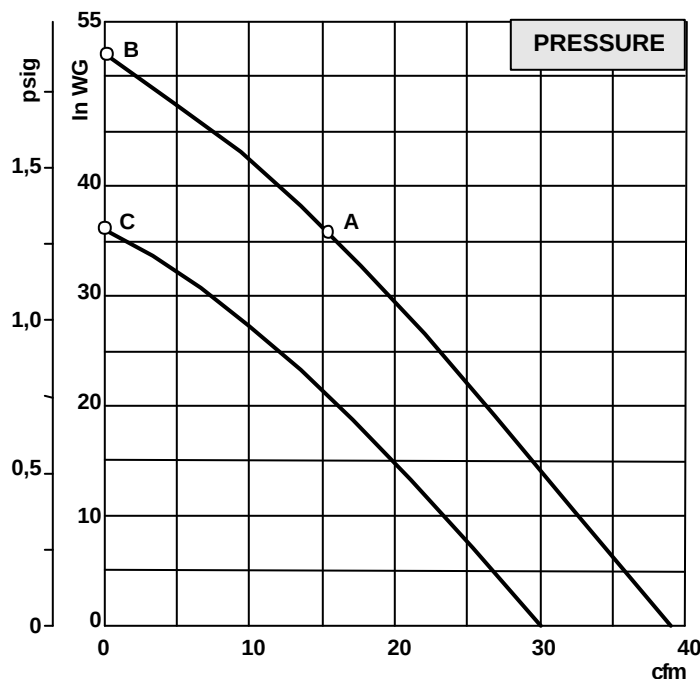
Max. continuous operating Pressure 1.9 psig / 52.0 In. WG
Vacuum 3.5 In. Hg / 47.6 In. WG



Dimensions in inches



Motor power	Hp 60 Hz	1/3	1/2
	Hp 50 Hz	-	5/12
L	In.	10.23	10.23
Weight	Lbs.	17.60	17.80



Notes:

- Curves indicate performance rated for continuous operation.
- Performance data based on ambient / inlet air temperature of 68 °F and barometric pressure of 29,92 In. Hg
- Performance values may vary by $\pm 10\%$
- Sound level measured at 1 m distance with inlet and outlet piped.
- Specifications are subject to change without notice.

SCL 06

60 Hz – 3500 rpm			
Reference		A	B
Maximum airflow	cfm	39	39
Maximum continuous pressure	In. WG	36	52
Maximum continuous vacuum	In. Hg	2.7	3.5
Maximum sound level	dB(A)	59	59
Motor horsepower	Hp	1/3	1/2
Standard voltage	Volt	115 or 208-230	115 or 208-230
Phase		1	3
Rated F.L. current	Amps	3,5 or 1,8-1,7	6,6 or 3,7-3,3
Rated locked rotor current	Amps	13 or 6,9-6,3	23 or 13-12
Insulation	Class	F	F
50 Hz – 2900 rpm			
Reference		C	
Maximum volume	cfm	32	
Maximum continuous pressure	In. WG	36	
Maximum continuous vacuum	In. Hg	2.4	
Maximum sound level	dB(A)	58	
Motor horsepower	Hp	5/12	
Standard voltage	Volt	230	200/400
Phase		1	3
Rated F.L. current	Amps	3,3	2,0/0,9
Rated locked rotor current	Amps	12	8/4
Insulation	Class	F	F



Standard features

- Low weight die cast aluminum construction.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5 °F to +105 °F.
- Mountable in any plane.

Options

- Remote drive models (belt or coupling).
- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

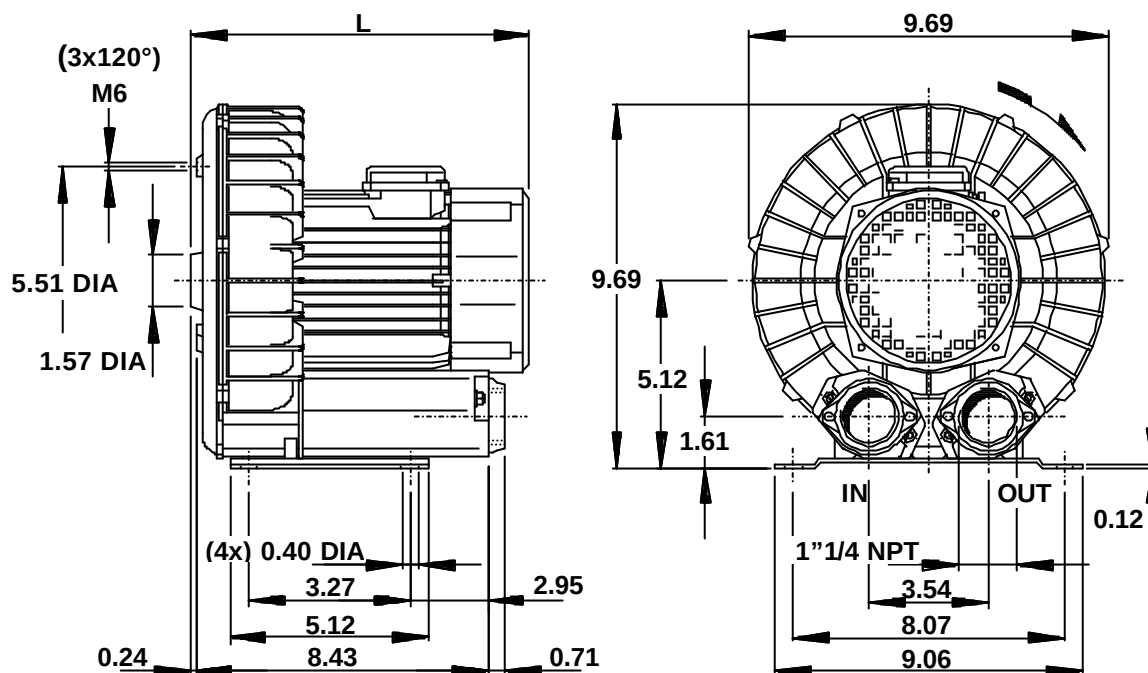
Accessories

- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optional connectors.

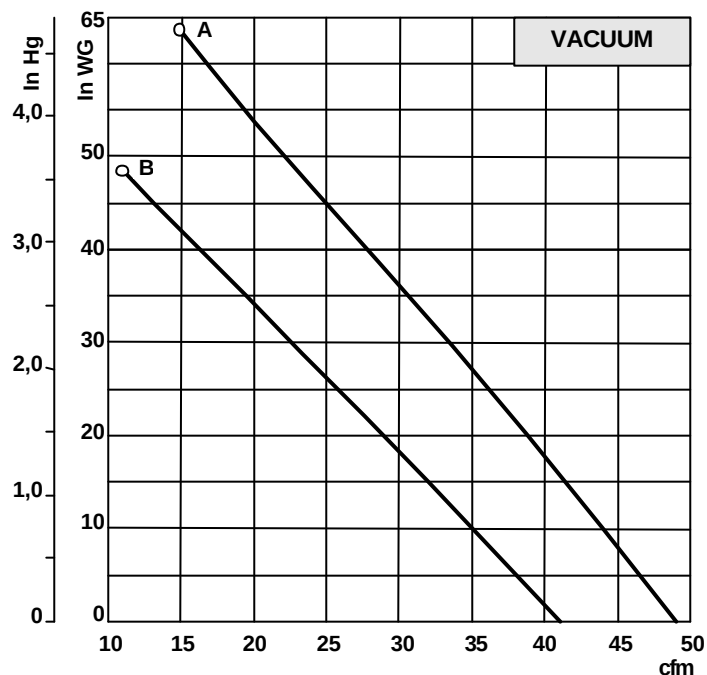
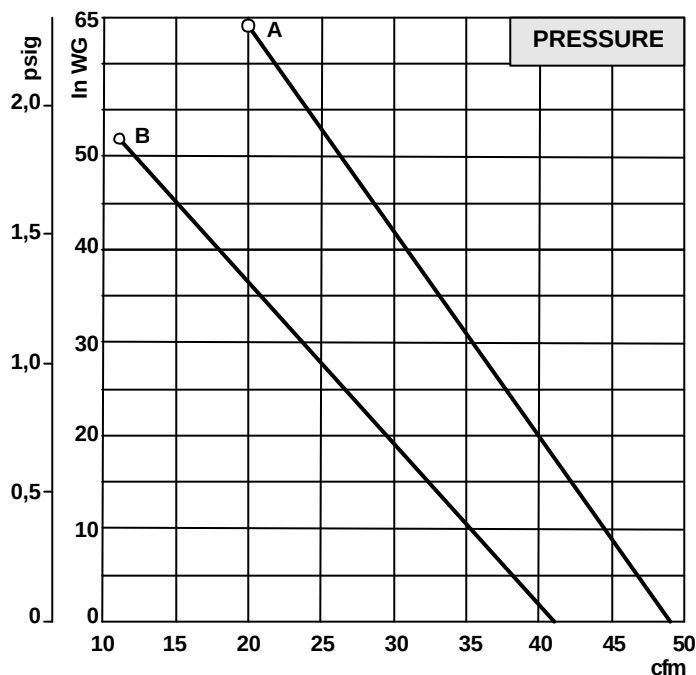
Max. continuous operating Pressure 2.3 psig / 64.0 In. WG
Vacuum 4.7 In. Hg / 63.9 In. WG



Dimensions in inches



Motor power	Hp 60 Hz	3/4
	Hp 50 Hz	5/8
L	In.	9.45
Weight	Lbs.	22.00



Notes:

- Curves indicate performance rated for continuous operation.
- Performance data based on ambient / inlet air temperature of 68 °F and barometric pressure of 29,92 In. Hg
- Performance values may vary by ±10%
- Sound level measured at 1 m distance with inlet and outlet piped.
- Specifications are subject to change without notice.

SCL V3

60 Hz – 3500 rpm			
Reference		A	
Maximum airflow	cfm	49	
Maximum continuous pressure	In. WG	64	
Maximum continuous vacuum	In. Hg	4.7	
Maximum sound level	dB(A)	61	
Motor horsepower		3/4	
Standard voltage	Volt	115 or 208-230	208-230/460
Phase		1	3
Rated F.L. current	Amps	10,0 or 5,5-5,0	2,9-2,6/1,3
Rated locked rotor current	Amps	40 or 22-20	15-13/7
Insulation	Class	F	F
50 Hz – 2900 rpm			
Reference		B	
Maximum airflow	cfm	41	
Maximum continuous pressure	In. WG	52	
Maximum continuous vacuum	In. Hg	3.5	
Maximum sound level	dB(A)	58	
Motor horsepower		5/8	
Standard voltage	Volt	230	200/400
Phase		1	3
Rated F.L. current	Amps	5,0	2,9/1,3
Rated locked rotor current	Amps	20	15/7
Insulation	Class	F	F



Standard features

- Low weight die cast aluminum construction.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5 °F to +105 °F.
- Mountable in any plane.

Options

- Remote drive models (belt or coupling).
- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

Accessories

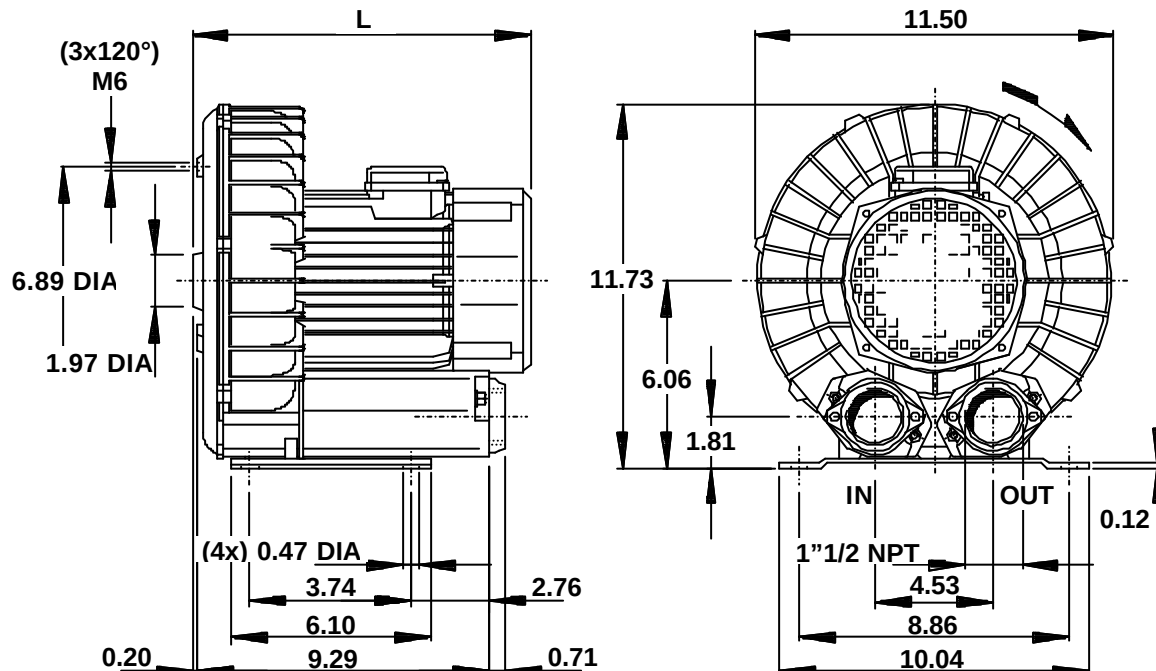
- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optional connectors.

Max. continuous operating Pressure
Vacuum

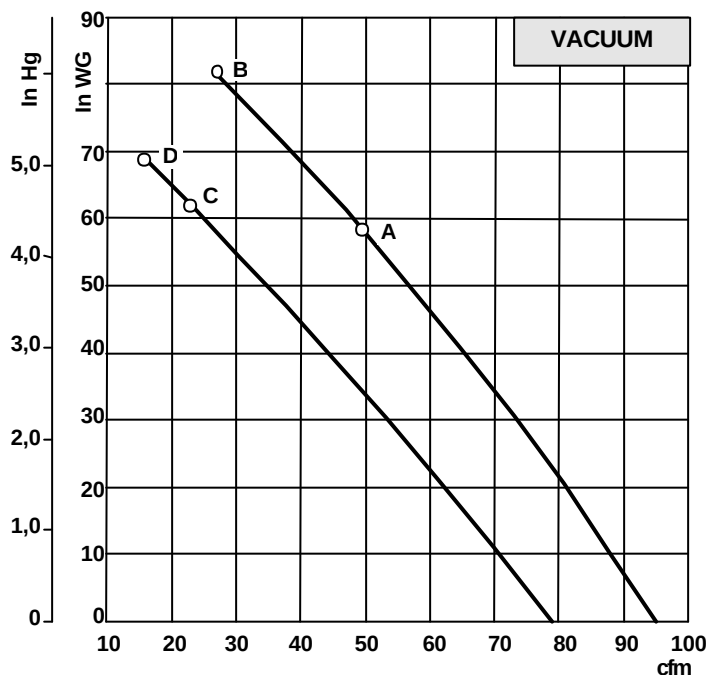
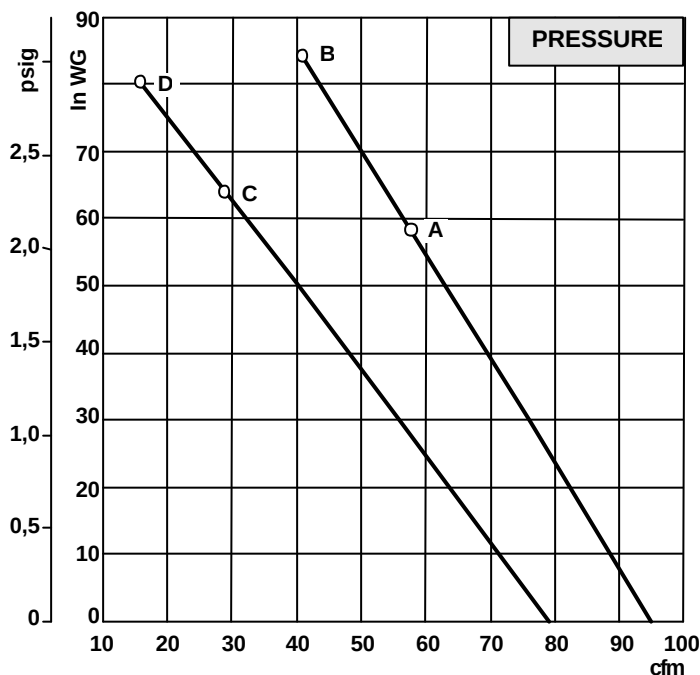
3.0 psig / 84.0 in. WG
6.2 in. Hg / 84.3 in. WG



Dimensions in inches



Motor power	Hp 60 Hz	1 1/2	2
	Hp 50 Hz	1 1/4	1 2/3
L	In.	11.42	11.42
Weight	Lbs.	33.00	35.20



Notes:

- Curves indicate performance rated for continuous operation.
- Performance data based on ambient / inlet air temperature of 68 °F and barometric pressure of 29,92 In. Hg
- Performance values may vary by ±10%
- Sound level measured at 1 m distance with inlet and outlet piped.
- Specifications are subject to change without notice.

SCL V4

60 Hz – 3500 rpm					
Reference		A		B	
Maximum airflow	cfm	95		95	
Maximum continuous pressure	In. WG	58		84	
Maximum continuous vacuum	In. Hg	4.3		6.2	
Maximum sound level	dB(A)	65		65	
Motor horsepower	Hp	1 1/2		2	
Standard voltage	Volt	115 or 208-230	208-230/460	115 or 208-230	208-230/460
Phase		1	3	1	3
Rated F.L. current	Amps	19,8 or 11,0-9,9	5,1-4,6/2,3	26,4 or 14,6-13,2	6,9-6,2/3,1
Rated locked rotor current	Amps	99 or 55-50	31-28/14	132 or 73-66	42-38/19
Insulation	Class	F	F	F	F
50 Hz – 2900 rpm					
Reference		C		D	
Maximum airflow	cfm	79		79	
Maximum continuous pressure	In. WG	64		80	
Maximum continuous vacuum	In. Hg	4.7		5.0	
Maximum sound level	dB(A)	63		63	
Motor horsepower	Hp	1 1/4		1 2/3	
Standard voltage	Volt	230	200/400	230	200/400
Phase		1	3	1	3
Rated F.L. current	Amps	9,9	5,1/2,3	13,2	6,9/3,1
Rated locked rotor current	Amps	50	31/14	66	42/19
Insulation	Class	F	F	F	F



REGENERATIVE BLOWERS SCL 10 DL

Standard features

- Low weight cast aluminum construction.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5 °F to +105 °F.
- Mountable in any plane.

Options

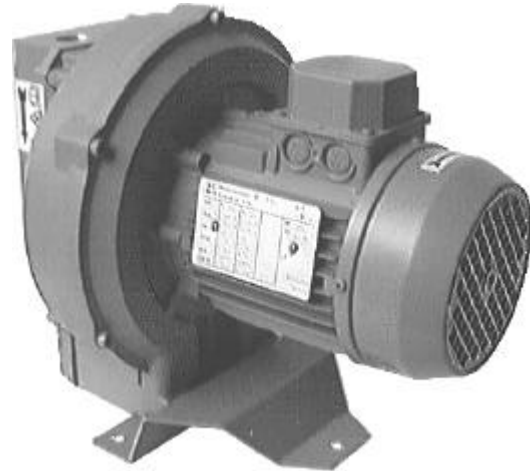
- Remote drive models (belt or coupling).
- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

Accessories

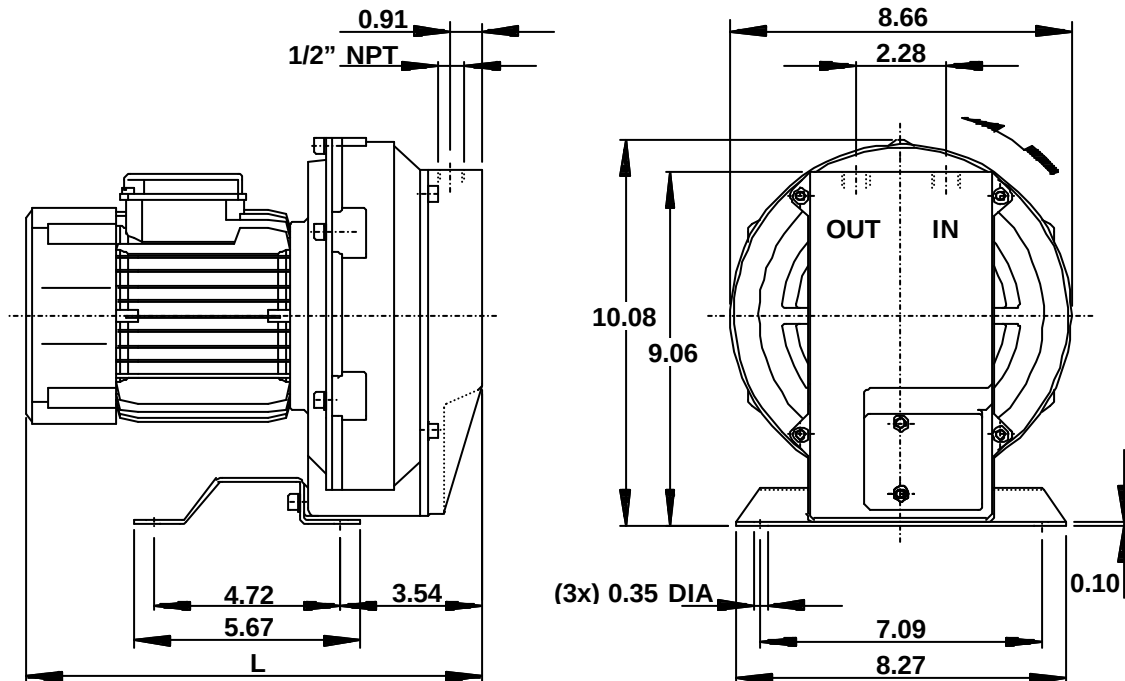
- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optional connectors.

Max. continuous operating Pressure
Vacuum

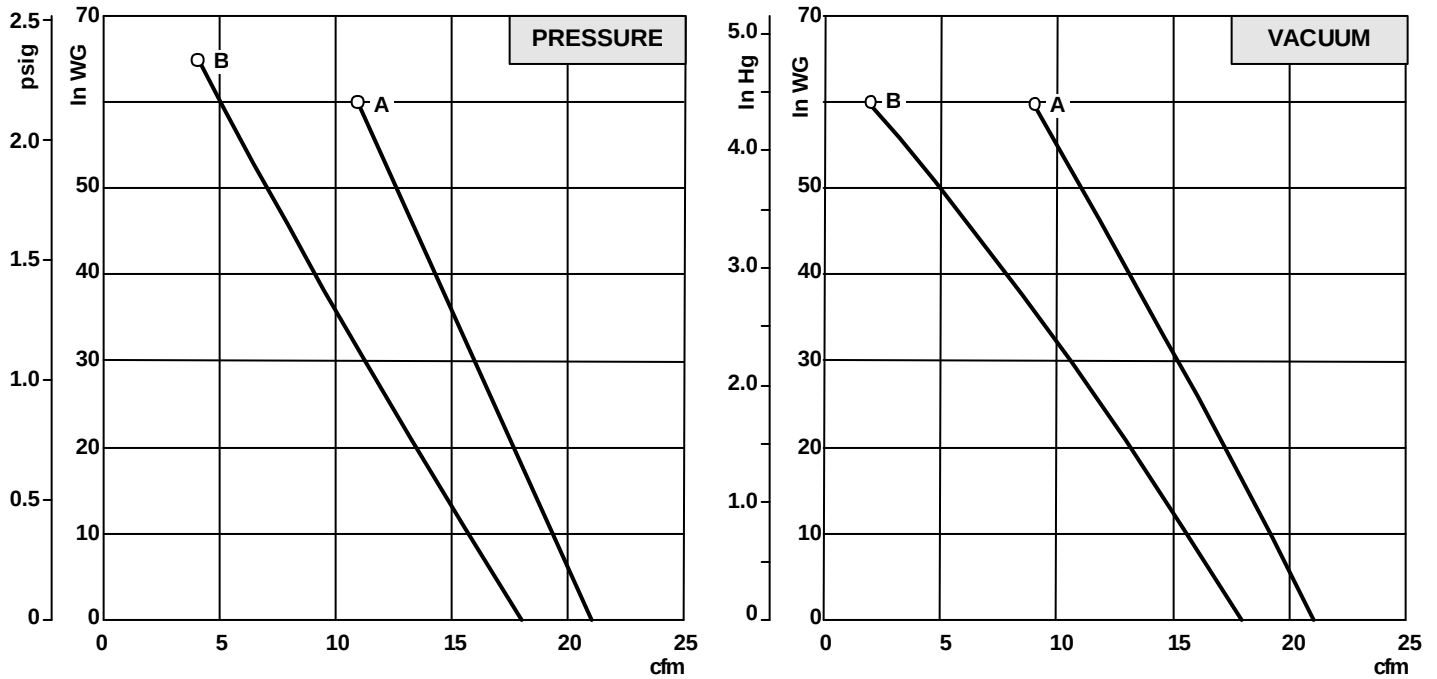
2.3 psig / 65.0 In. WG
4.4 In. Hg / 59.8 In. WG



Dimensions in inches



Motor power	Hp 60 Hz	1/2
	Hp 50 Hz	5/12
L	In.	10.63
Weight	Lbs.	22.00

**Notes:**

- **Curves indicate performance rated for continuous operation.**
- Performance data based on ambient / inlet air temperature of 68 °F and barometric pressure of 29,92 In. Hg
- Performance values may vary by $\pm 10\%$
- Sound level measured at 1 m distance with inlet and outlet piped.
- Specifications are subject to change without notice.

SCL 10 DL

60 Hz – 3500 rpm			
Reference		A	
Maximum airflow	cfm	21	
Maximum continuous pressure	In. WG	60	
Maximum continuous vacuum	In. Hg	4.4	
Maximum sound level	dB(A)	64	
Motor horsepower	Hp	1/2	
Standard voltage	Volt	115 or 208-230	208-230/460
Phase		1	3
Rated F.L. current	Amps	6,6 or 3,7-3,3	2,0-1,8/0,9
Rated locked rotor current	Amps	23 or 13-12	8/4
Insulation	Class	F	F
50 Hz – 2900 rpm			
Reference		B	
Maximum airflow	cfm	18	
Maximum continuous pressure	In. WG	65	
Maximum continuous vacuum	In. Hg	4.4	
Maximum sound level	dB(A)	62	
Motor horsepower	Hp	5/12	
Standard voltage	Volt	230	200/400
Phase		1	3
Rated F.L. current	Amps	3,3	2,0/0,9
Rated locked rotor current	Amps	12	8/4
Insulation	Class	F	F



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REGENERATIVE BLOWERS SCL 15 DH

Standard features

- Low weight cast aluminum construction.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5°F to +105 °F.
- Mountable in any plane.

Options

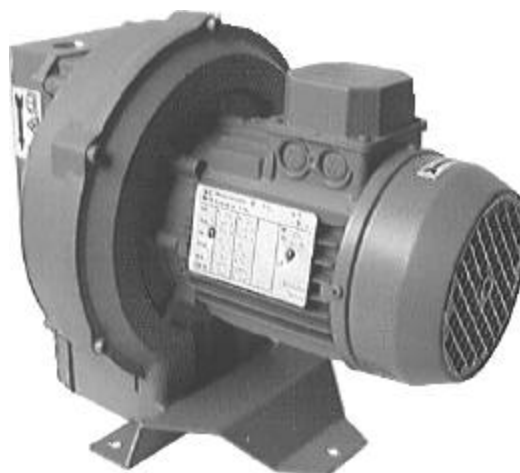
- Remote drive models (belt or coupling).
- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

Accessories

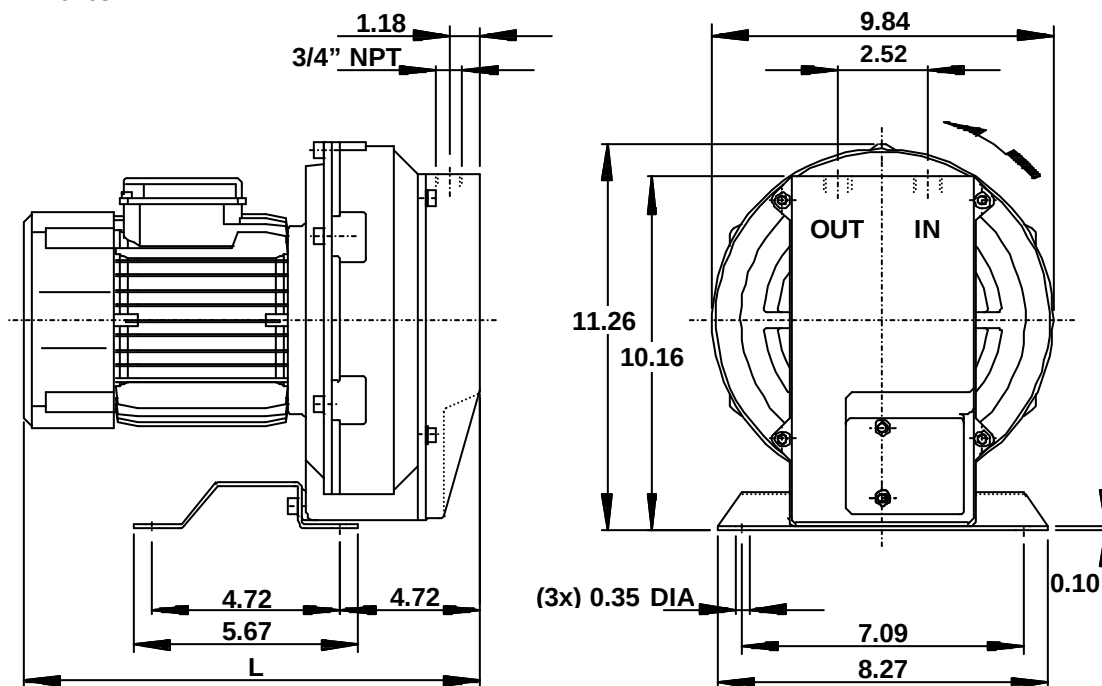
- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optional connectors.

Max. continuous operating Pressure
Vacuum

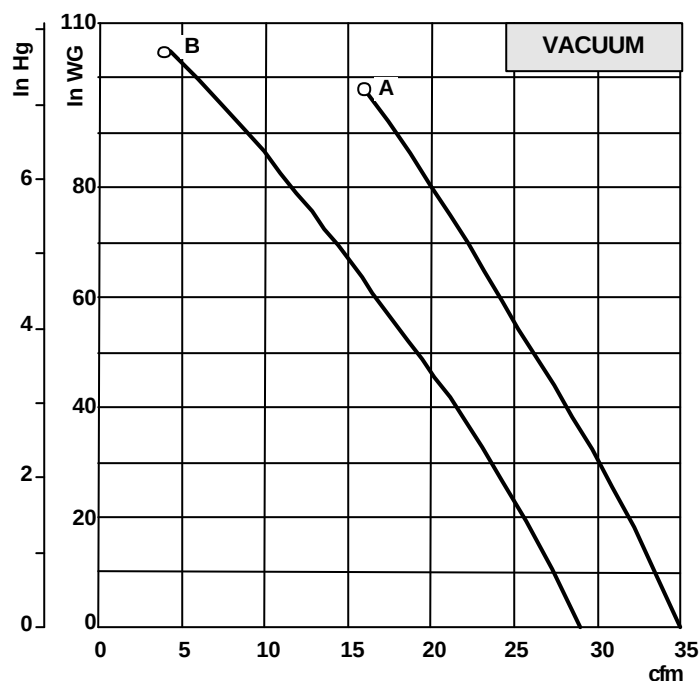
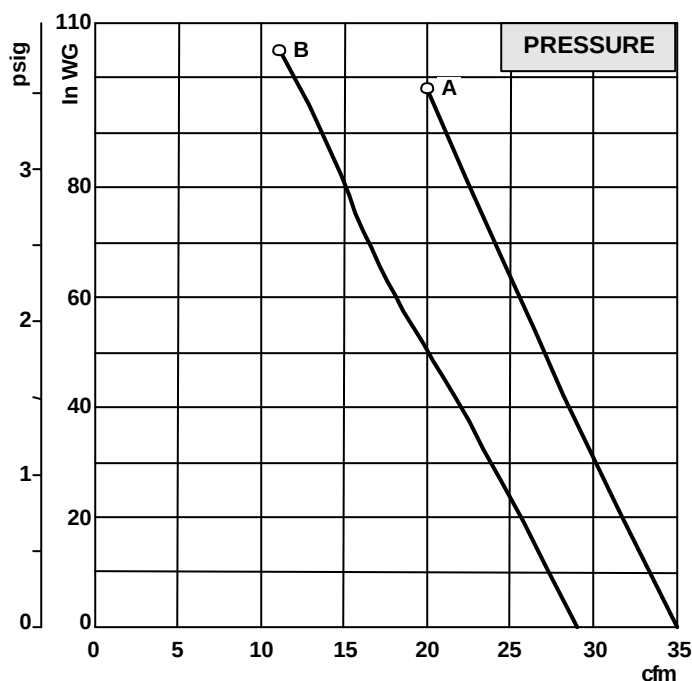
3.8 psig / 105.0 In. WC
7.7 In. Hg / 104.7 In. WG



Dimensions in inches



Motor power	Hp 60 Hz	3/4
	Hp 50 Hz	5/8
L	In.	11.42
Weight	Lbs.	27.50



Notes:

- Curves indicate performance rated for continuous operation.
- Performance data based on ambient / inlet air temperature of 68 °F and barometric pressure of 29,92 In. Hg
- Performance values may vary by ±10%
- Sound level measured at 1 m distance with inlet and outlet piped.
- Specifications are subject to change without notice.

SCL 15 DH

60 Hz – 3500 rpm			
Reference		A	
Maximum airflow	cfm	35	
Maximum continuous pressure	In. WG	98	
Maximum continuous vacuum	In. Hg	7.2	
Maximum sound level	dB(A)	64	
Motor horsepower	Hp	3/4	
Standard voltage	Volt	115 or 208-230	208-230/460
Phase		1	3
Rated F.L. current	Amps	10,0 or 5,5-5,0	2,9-2,6/1,3
Rated locked rotor current	Amps	40 or 22-20	15-13/7
Insulation	Class	F	F
50 Hz – 2900 rpm			
Reference		B	
Maximum airflow	cfm	29	
Maximum continuous pressure	In. WG	105	
Maximum continuous vacuum	In. Hg	7.7	
Maximum sound level	dB(A)	62	
Motor horsepower	Hp	5/8	
Standard voltage	Volt	230	200/400
Phase		1	3
Rated F.L. current	Amps	5,0	2,9/1,3
Rated locked rotor current	Amps	20	15/7
Insulation	Class	F	F



Standard features

- Low weight cast aluminum construction.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5 °F to +105 °F.
- Mountable in any plane.

Options

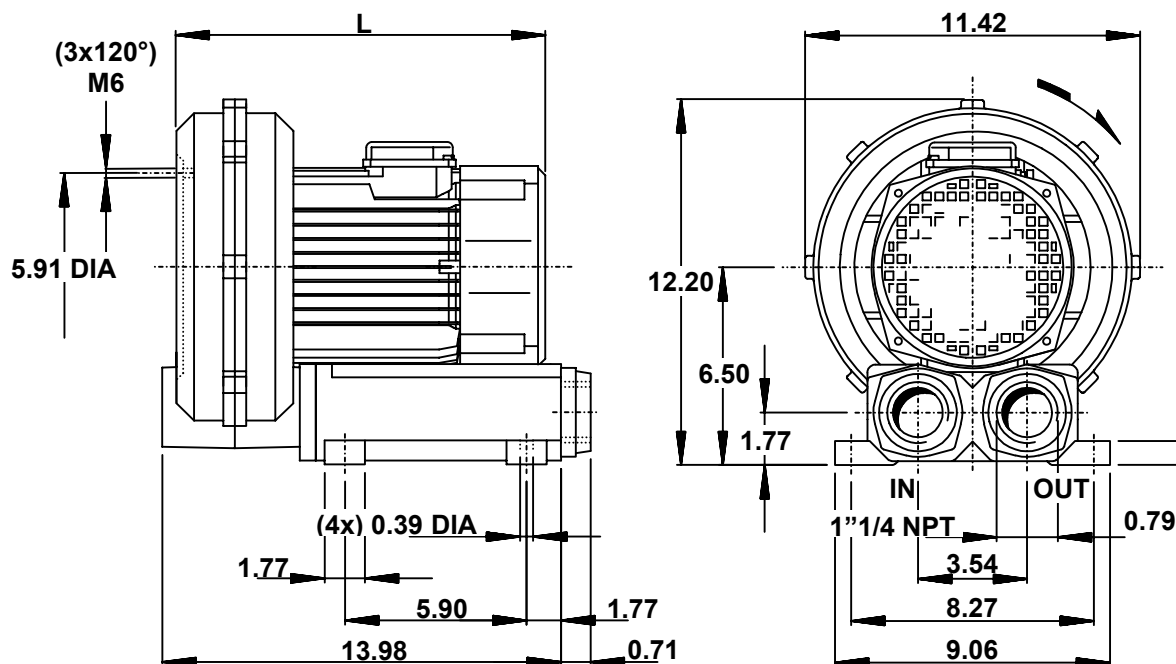
- Remote drive models (belt or coupling).
- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

Accessories

- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optional connectors.

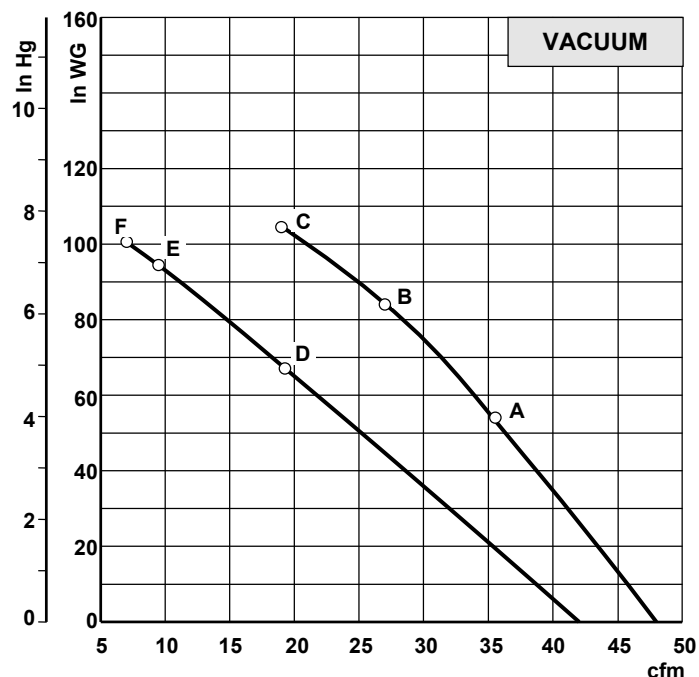
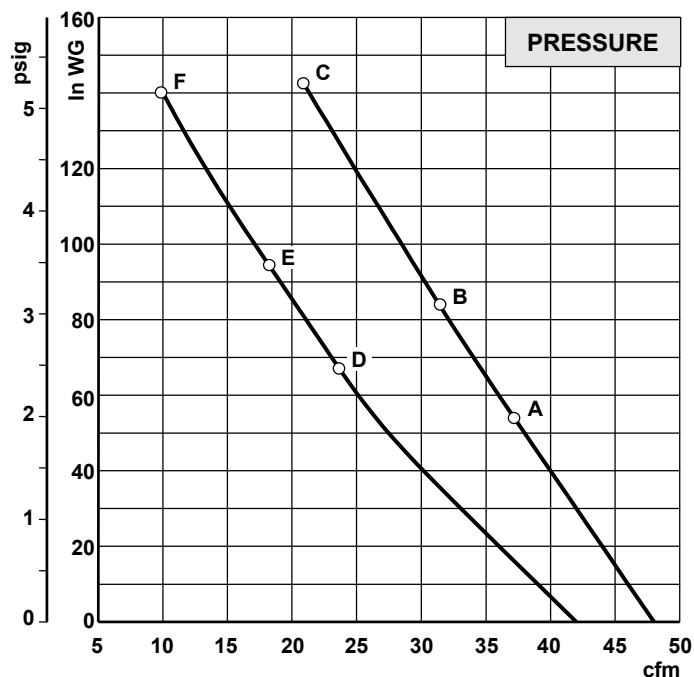
Max. continuous operating Pressure
Vacuum

5.2 psig / 143.0 In. WG
7.7 In. Hg / 104.7 In. WG



Dimensions in inches

Motor power	Hp 60 Hz	3/4	1	1 1/2
	Hp 50 Hz	5/8	5/6	1 1/4
L	In.	13.39	13.78	13.78
Weight	Lbs.	37.40	44.00	47.30



Notes:

- **Curves indicate performance rated for continuous operation.**
- Performance data based on ambient / inlet air temperature of 68 °F and barometric pressure of 29,92 In. Hg
- Performance values may vary by $\pm 10\%$
- Sound level measured at 1 m distance with inlet and outlet piped.
- Specifications are subject to change without notice.

SCL 20 DH

60 Hz – 3500 rpm							
Reference		A		B		C	
Maximum airflow	cfm	48		48		48	
Maximum continuous pressure	In. WG	54		84		143	
Maximum continuous vacuum	In. Hg	4.0		6.2		7.7	
Maximum sound level	dB(A)	68		68		68	
Motor horsepower	Hp	3/4		1		1 1/2	
Standard voltage	Volt	115 or 208-230	208-230/460	115 or 208-230	208-230/460	115 or 208-230	208-230/460
Phase		1	3	1	3	1	3
Rated FLA current	Amps	10,0 or 5,5-5,0	2,9-2,6/1,3	13,2 or 7,3-6,6	3,8-3,4/1,7	19,8 or 11,0-9,9	5,1-4,6/2,3
Rated locked rotor current	Amps	40 or 22-20	15-13/7	60 or 33-30	23-20/11	99 or 55-50	31-28/14
Insulation	Class	F	F	F	F	F	F
50 Hz – 2900 rpm							
Reference		D		E		F	
Maximum airflow	cfm	42		42		42	
Maximum continuous pressure	In. WG	66		94		140	
Maximum continuous vacuum	In. Hg	4.9		6.9		7.4	
Maximum sound level	dB(A)	65		65		65	
Motor horsepower	Hp	5/8		5/6		1 1/4	
Standard voltage	Volt	200/400		200/400		200/400	
Phase		3		3		3	
Rated FLA current	Amps	2,9/1,3		2,9/1,3		5,1/2,3	
Rated locked rotor current	Amps	15/7		15/7		31/14	
Insulation	Class	F		F		F	



REGENERATIVE BLOWERS SCL 30 DH

Standard features

- Low weight cast aluminum construction.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5 °F to +105 °F.
- Mountable in any plane.

Max. continuous operating Pressure
Vacuum

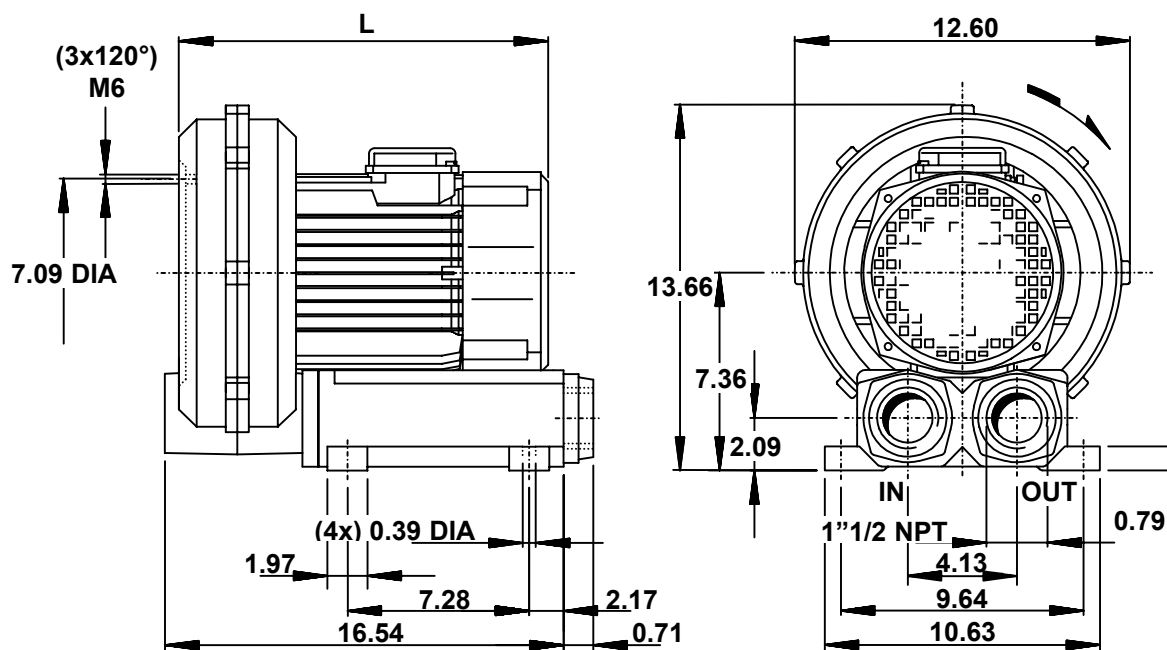
6.9 psig / 191.0 In. WG
10.3 In. Hg / 140.0 In. WG

Options

- Remote drive models (belt or coupling).
- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

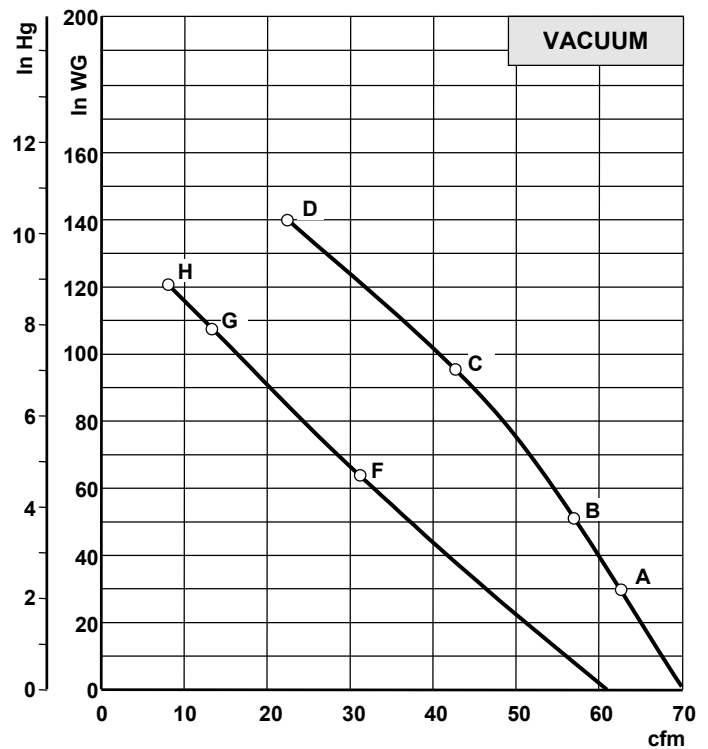
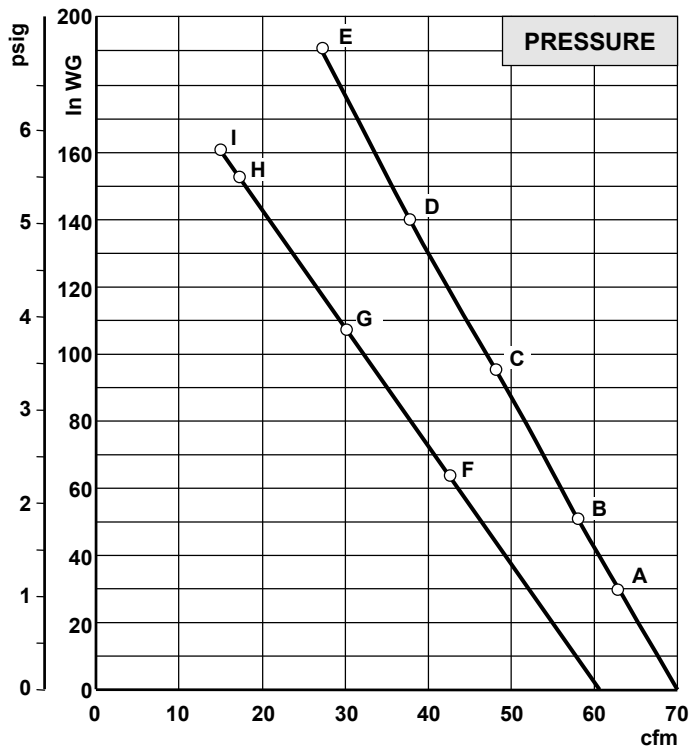
Accessories

- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optional connectors.



Dimensions in inches

Motor power	Hp 60 Hz	3/4	1	1 1/2	2	3
	Hp 50 Hz	5/8	5/6	1 1/4	1 2/3	2 1/2
L	In.	13.78	14.37	14.37	15.36	15.36
Weight	Lbs.	45.10	51.70	55.00	58.30	64.90



Notes:

- Curves indicate performance rated for continuous operation.
- Performance data based on ambient / inlet air temperature of 68 °F and barometric pressure of 29,92 In. Hg
- Performance values may vary by $\pm 10\%$
- Sound level measured at 1 m distance with inlet and outlet piped.
- Specifications are subject to change without notice.

SCL 30 DH

60 Hz – 3500 rpm										
Reference		A	B	C	D	E				
Maximum airflow	cfm	70	70	70	70	70				
Maximum continuous pressure	In. WG	30	51	96	140	191				
Maximum continuous vacuum	In. Hg	2.2	3.7	7.1	10.3	-				
Maximum sound level	dB(A)	70	70	70	70	70				
Motor horsepower	Hp	3/4	1	1 1/2	2	3				
Standard voltage	Volt	115 or 208-230	208-230/460	115 or 208-230	208-230/460	115 or 208-230	208-230/460	115 or 208-230	208-230/460	115 or 208-230
Phase		1	3	1	3	1	3	1	3	1
Rated F.L. current	Amps	10,0 or 5,5 - 5,0	2,9 - 2,6/ 1,3	13,2 or 7,3 - 6,6	3,9 - 3,4/ 1,7	19,8 or 11,0-9,9	5,1 - 4,6/ 2,3	26,4 or 14,6-13,2	6,9 - 6,2/ 3,1	36 or 19,8-18,0
Rated locked rotor current	Amps	40 or 22-20	15-13/ 7	60 or 33-30	23-20/ 11	99 or 55-50	31-28/ 14	132 or 73-66	42-38/ 19	180 or 99-90
Insulation	Class	F	F	F	F	F	F	F	F	F
50 Hz – 2900 rpm										
Reference		F	G	H	I					
Maximum airflow	cfm	61	61	61	61					
Maximum continuous pressure	In. WG	64	108	153	161					
Maximum continuous vacuum	In. Hg	4.7	7.9	8.9	-					
Maximum sound level	dB(A)	68	68	68	68					
Motor horsepower	Hp	5/6	1 1/4	1 2/3	2 1/2					
Standard voltage	Volt	200 / 400	200 / 400	200 / 400	200 / 400					
Phase		3	3	3	3					
Rated F.L. current	Amps	3,9 / 1,7	5,1 / 2,3	6,9 / 3,1	8,9 / 4,0					
Rated locked rotor current	Amps	23 / 11	31 / 14	42 / 19	54 / 24					
Insulation	Class	F	F	F	F					



Standard features

- Low weight cast aluminum construction.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5 °F to +105 °F.
- Mountable in any plane.

Max. continuous operating Pressure
Vacuum

7.2 psig / 201.0 In. WC
11.1 In. Hg / 150.9 In. WG

Options

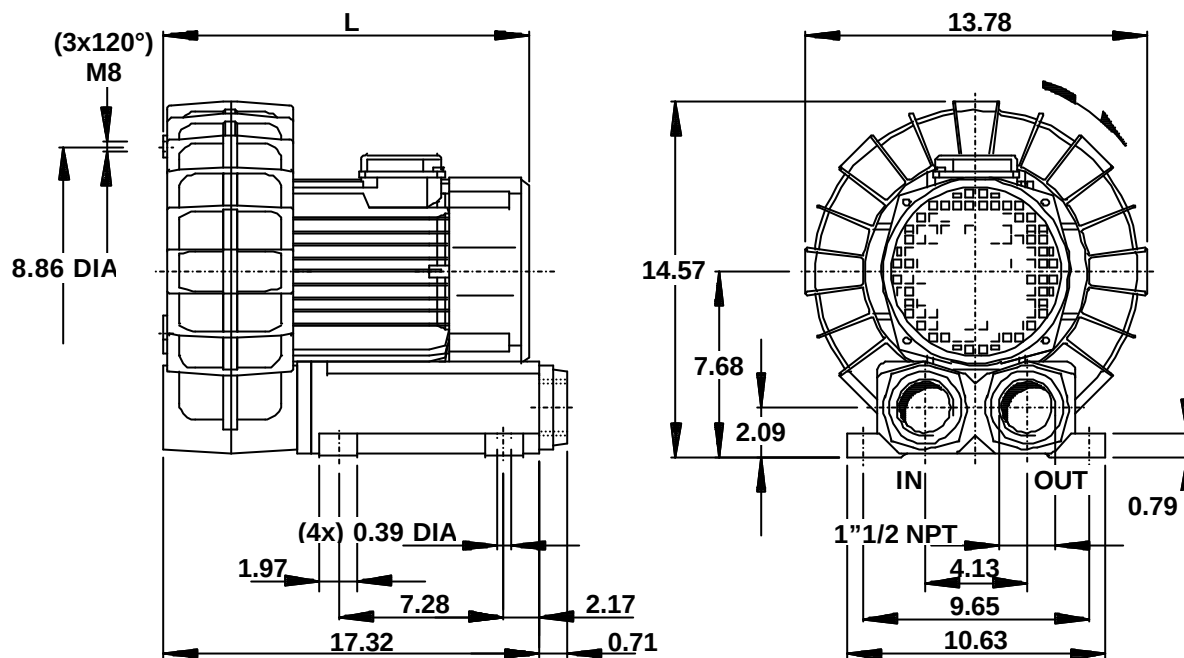
- Remote drive models (belt or coupling).
- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

Accessories

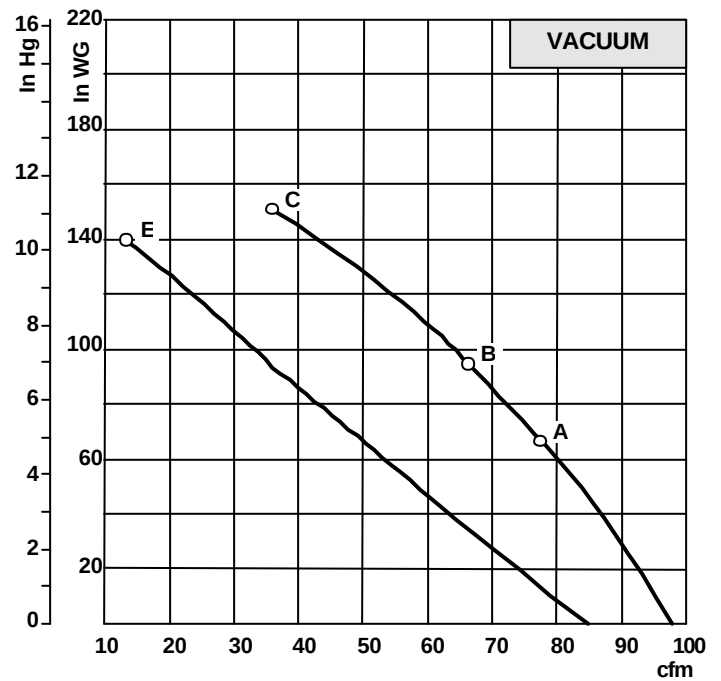
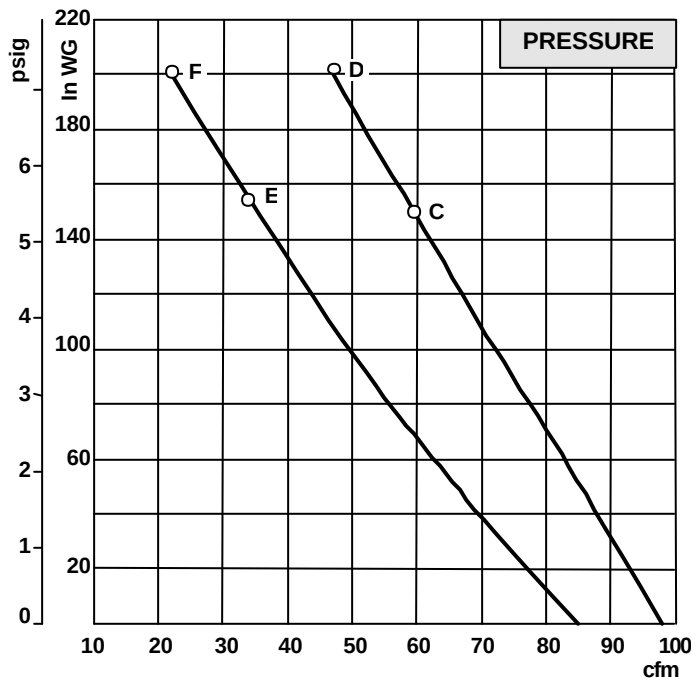
- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optional connectors.



Dimensions in inches



Motor power	Hp 60 Hz	1 1/2	2	3	4
	Hp 50 Hz	1 1/4	1 2/3	2 1/2	3 1/3
L	In.	14.96	16.54	16.54	18.31
Weight	Lbs.	58.30	64.90	71.50	80.30



Notes:

- Curves indicate performance rated for continuous operation.
- Performance data based on ambient / inlet air temperature of 68 °F and barometric pressure of 29,92 In. Hg
- Performance values may vary by ±10%
- Sound level measured at 1 m distance with inlet and outlet piped.
- Specifications are subject to change without notice.

SCL 40 DH

60 Hz – 3500 rpm								
Reference		A		B		C		D
Maximum airflow	cfm	98		98		98		98
Maximum continuous pressure	In. WG	-		-		151		201
Maximum continuous vacuum	In. Hg	5.0		7.1		11.1		-
Maximum sound level	dB(A)	75		75		75		75
Motor horsepower	Hp	1 1/2		2		3		4
Standard voltage	Volt	115 or 208-230	208-230/460	115 or 208-230	208-230/460	115 or 208-230	208-230/460	208-230/460
Phase		1	3	1	3	1	3	3
Rated F.L. current	Amps	19,8 or 11,0-9,9	5,1-4,6/2,3	26,4 or 14,6-13,2	6,9-6,2/3,1	36,0 or 19,8-18,0	8,9-8,0/4,0	12,2-11,0/5,5
Rated locked rotor current	Amps	99 or 55-50	31-28/14	132 or 73-66	42-38/19	180 or 99-90	54-48/24	73-66/33
Insulation	Class	F	F	F	F	F	F	F
50 Hz – 2900 rpm								
Reference		E				F		
Maximum airflow	cfm	85				85		
Maximum continuous pressure	In. WG	156				201		
Maximum continuous vacuum	In. Hg	10.3				-		
Maximum sound level	dB(A)	72				72		
Motor horsepower	Hp	2 1/2				3 1/3		
Standard voltage	Volt	230		200/400		200/400		
Phase		1		3		1		
Rated F.L. current	Amps	18,0		8,9/4,0		12,2/5,5		
Rated locked rotor current	Amps	24		54/24		73/33		
Insulation	Class	F		F		F		



Standard features

- Low weight cast aluminium rotor.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5 °F to +105 °F.
- Mountable in any plane.

Options

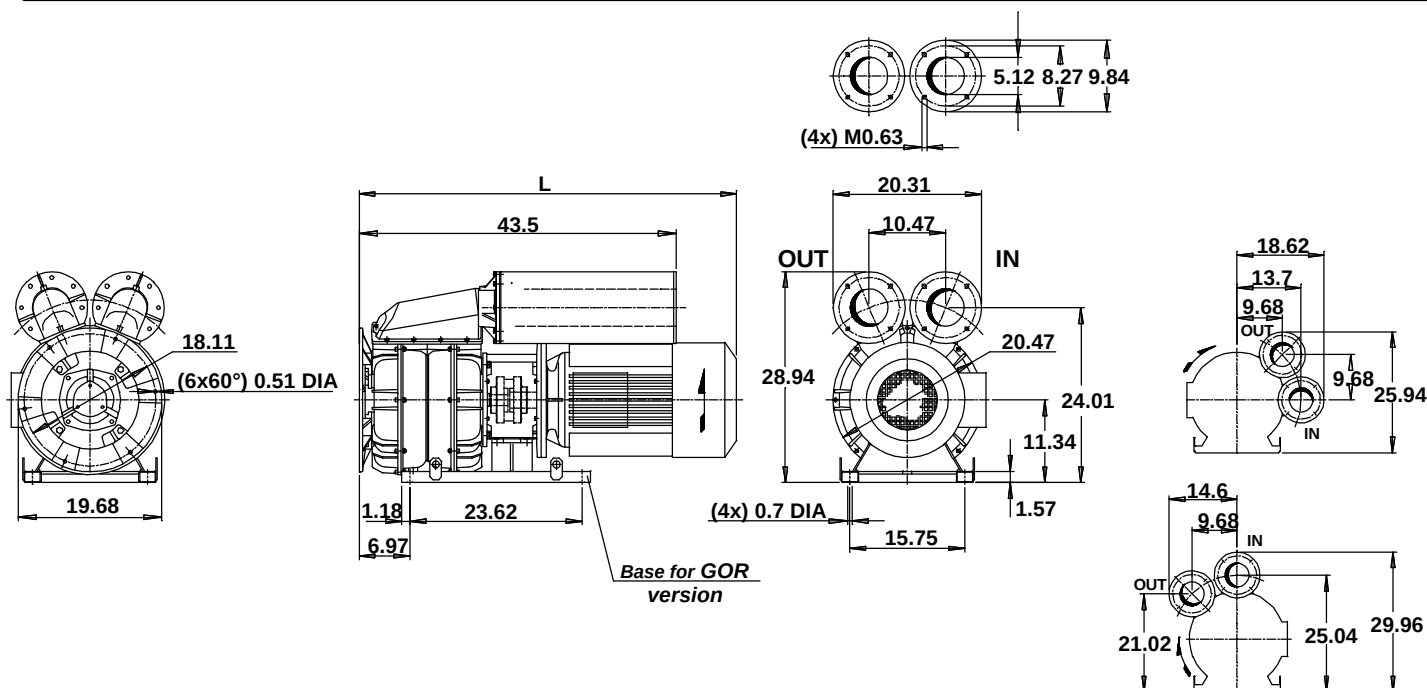
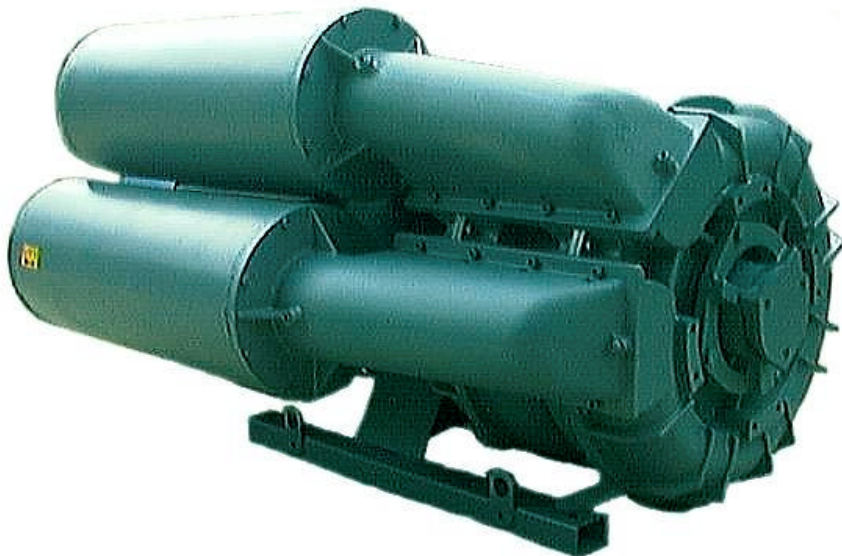
- Remote drive models (belt).
- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

Accessories

- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optional connectors.

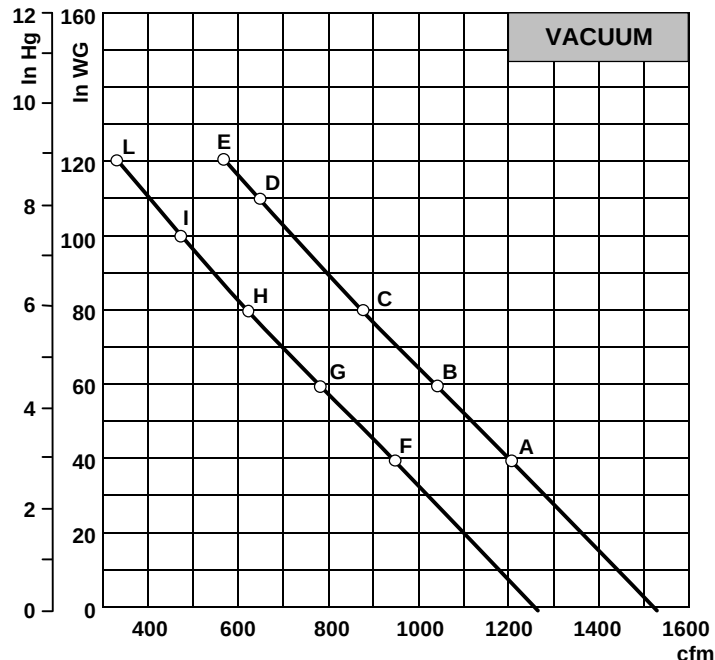
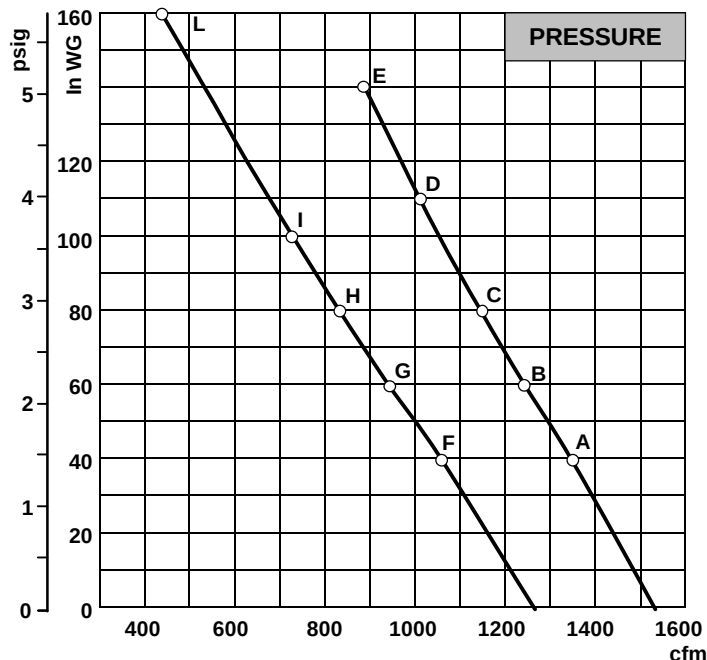
Max. continuous operating Pressure
Vacuum

5.8 psig / 160.0 In. WG
8.9 In. Hg / 120.0 In. WG



Dimensions in inches

Motor power	Hp 60 Hz	-	20	25	30	40	50
	Hp 50 Hz	15	20	25	30	40	-
L	In.	47.25	47.25	47.25	49.41	50.78	51.77
Weight	Lbs.	829.4	851.4	873.4	957	1045	1111



Notes:

- Curves indicate performance rated for continuous operation.
- Performance data based on ambient / inlet air temperature of 68 °F and barometric pressure of 29,92 In. Hg
- Performance values may vary by $\pm 10\%$
- Sound level measured at 1 m distance with inlet and outlet piped.
- Specifications are subject to change without notice.

SCL 115 SH GOR/GVR

60 Hz - 3500 rpm						
Reference		A	B	C	D	E
Maximum airflow	cfm	1530	1530	1530	1530	1530
Maximum continuous pressure	In. WG	40	60	80	110	140
Maximum continuous vacuum	In. Hg	3.0	4.4	5.9	8.1	8.9
Maximum sound level	dB(A)	98				
Motor horsepower	Hp	20	25	30	40	50
Standard voltage	Volt	230/460	230/460	230/460	230/460	230/460
Phase		3	3	3	3	3
Rated F.L. current	Amps	50,2 / 25,1	58,8 / 29,4	72,0 / 36,0	92,0 / 46,0	111,4 / 55,7
Rated locked rotor current	Amps	311,24 / 155,62	364,56 / 182,28	439,2 / 219,6	616,4 / 308,2	724,1 / 362,0
Insulation	Class	F	F	F	F	F
50 Hz - 2900 rpm						
Reference		F	G	H	I	L
Maximum airflow	Cfm	1265	1265	1265	1265	1265
Maximum continuous pressure	In. WG	40	60	80	100	160
Maximum continuous vacuum	In. Hg	3.0	4.4	5.9	7.4	8.9
Maximum sound level	dB(A)	95				
Motor horsepower	Hp	15	20	25	30	40
Standard voltage	Volt	230/400	230/400	230/400	230/400	230/400
Phase		3	3	3	3	3
Rated F.L. current	Amps	40,0 / 23,0	50,4 / 29,0	59,1 / 34,0	73,0 / 42,0	96,3 / 55,4
Rated locked rotor current	Amps	221,76 / 170,2	311,2 / 234,9	364,5 / 289,0	439,2 / 306,6	616,4 / 371,18
Insulation	Class	F	F	F	F	F



Standard features

- Low weight cast aluminium rotor.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5 °F to +105 °F.
- Mountable in any plane.

Options

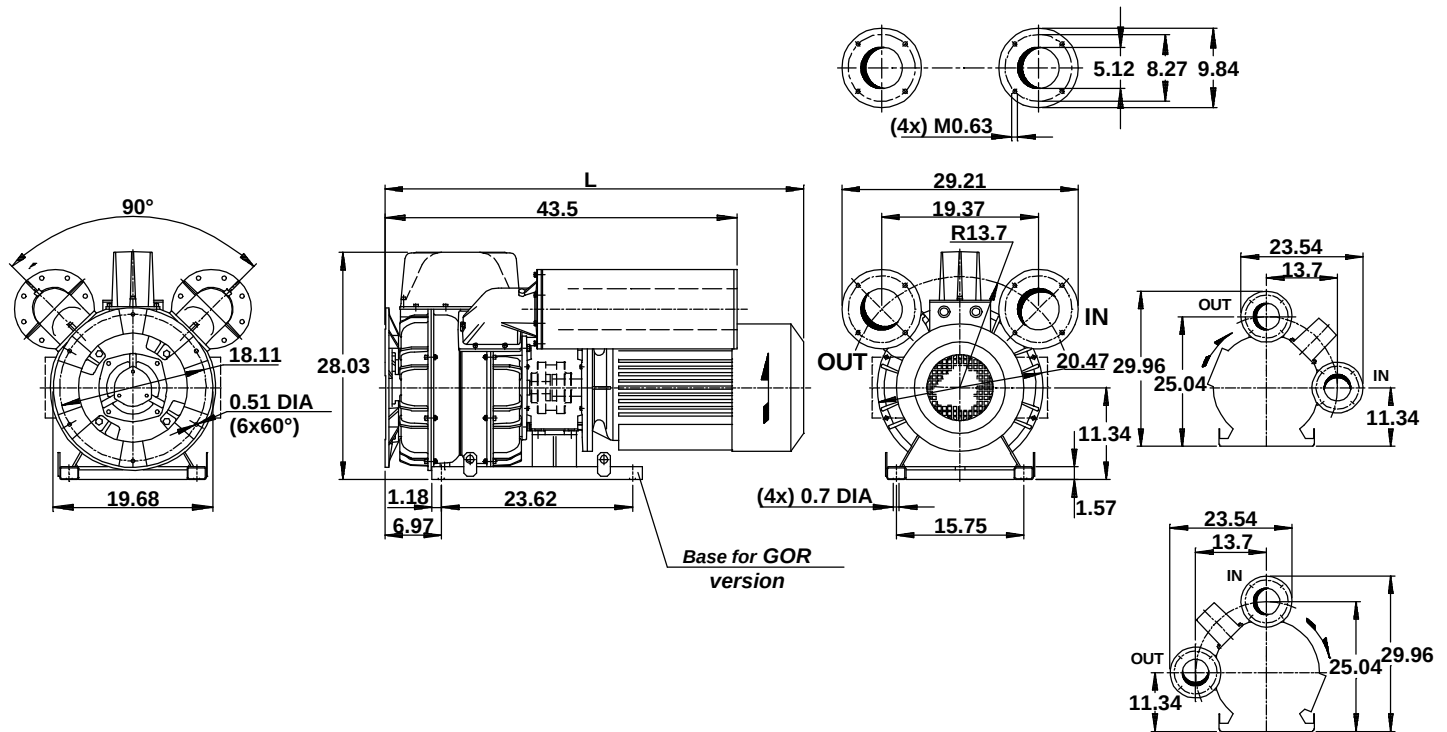
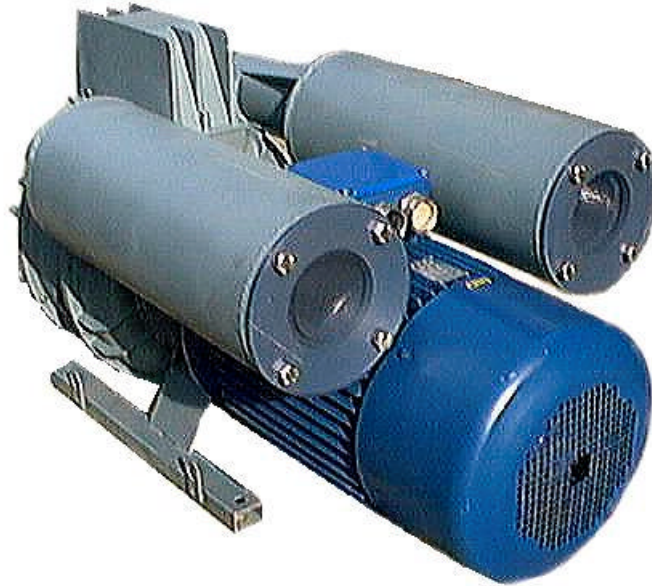
- Remote drive models (belt).
- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

Accessories

- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optional connectors.

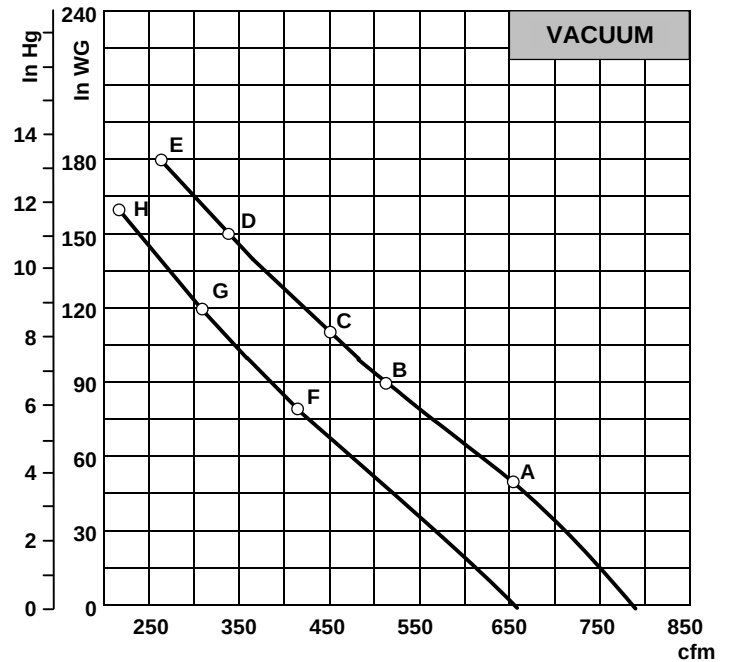
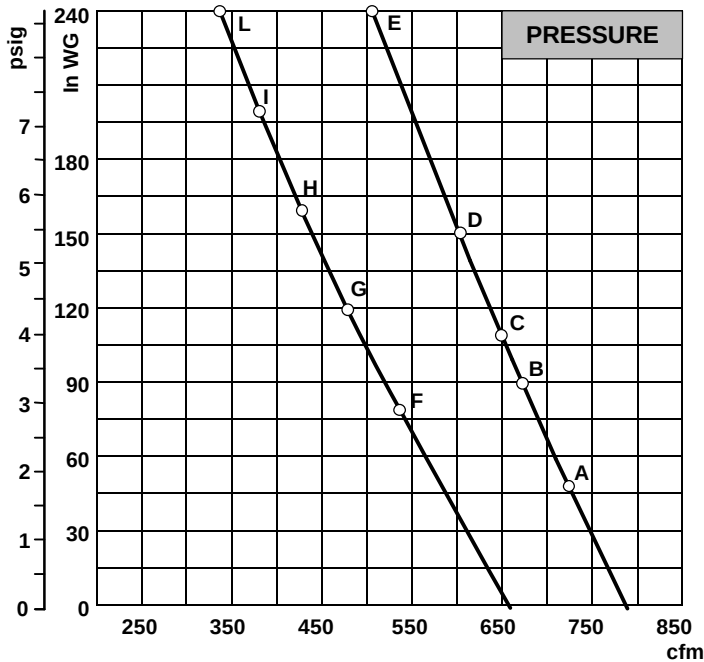
Max. continuous operating Pressure
Vacuum

8.7 psig / 240.0 In. WG
13.3 In. Hg / 180.0 In. WG



Dimensions in inches

Motor power	Hp 60 Hz	15	20	25	30	40
	Hp 50 Hz	15	20	25	30	40
L	In.	47.25	47.25	47.25	49.41	50.78
Weight	Lbs.	866.8	888.8	910.8	994.4	1082.4



Notes:

- Curves indicate performance rated for continuous operation.
- Performance data based on ambient / inlet air temperature of 68 °F and barometric pressure of 29,92 In. Hg
- Performance values may vary by $\pm 10\%$
- Sound level measured at 1 m distance with inlet and outlet piped.
- Specifications are subject to change without notice.

SCL 115 DH GOR/GVR

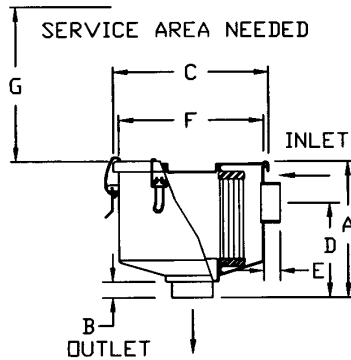
60 Hz - 3500 rpm						
Reference		A	B	C	D	E
Maximum airflow	cfm	790	790	790	790	790
Maximum continuous pressure	In. WG	50	90	110	150	240
Maximum continuous vacuum	In. Hg	3.7	6.6	8.1	11.0	13.3
Maximum sound level	dB(A)	98				
Motor horsepower	Hp	15	20	25	30	40
Standard voltage	Volt	230/460	230/460	230/460	230/460	230/460
Phase		3	3	3	3	3
Rated F.L. current	Amps	40,0/20,0	50,2/25,1	58,8/29,4	72,0/36,0	92,0/46,0
Rated locked rotor current	Amps	221.76/110.88	311,24/155,6	364,5/182,25	439,2/219,6	616,4/308,2
Insulation	Class	F	F	F	F	F
50 Hz - 2900 rpm						
Reference		F	G	H	I	L
Maximum airflow	Cfm	659	659	659	659	659
Maximum continuous pressure	In. WG	80	120	160	200	240
Maximum continuous vacuum	In. Hg	5.9	8.8	11.8	-	-
Maximum sound level	dB(A)	95				
Motor horsepower	Hp	15	20	25	30	40
Standard voltage	Volt	230/400	230/400	230/400	230/400	230/400
Phase		3	3	3	3	3
Rated F.L. current	Amps	40,0/23,0	50,4/29,0	59,1/34,0	73,0/42,0	96,3/55,4
Rated locked rotor current	Amps	221,76/170,2	311,2/234,9	364,5/289,0	439,2/306,6	616,4/371,18
Insulation	Class	F	F	F	F	F



Inline Filters

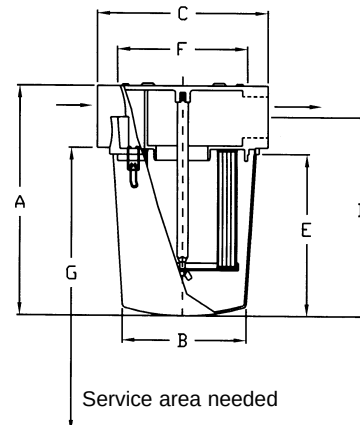
FPZ inline filters are typically used in vacuum applications to prevent debris from entering the blower. Inline filters consist of a metal housing with a metal cover retained by quick - change clamps for easy servicing of the element. Polyester elements are recommended for humid applications.

“CSL” Series



Dimension tolerance $\pm 1/8"$

“CT” Series



FEATURES & SPECIFICATIONS

- ♦ Polyester: 99%+ removal efficiency standard to 5 micron
- ♦ Paper: 99%+ removal efficiency standard to 2 micron
- ♦ Stainless steel torsion clips for durability
- ♦ Rugged all steel construction with Baked enamel finish
- ♦ Low pressure drop
- ♦ Positive sealing O-ring seal system
- ♦ Large dirt holding capacity and easy field cleaning, especially when mounted horizontally or inverted
- ♦ Fully-drawn one piece canister
- ♦ Temp (continuous): min -15°F (-26°C) max 220°F (104°C)
- ♦ Filter change out differential: 10"-15" H₂O Over Initial Delta P

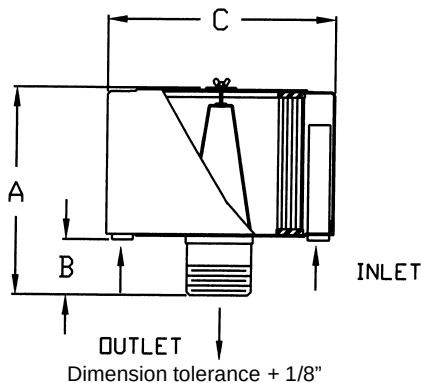
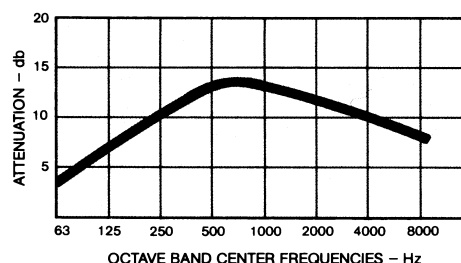
OPTIONS (Inquiries Encouraged)

- ♦ Vacuum regulator & gauge available
- ♦ Various media available
- ♦ Support brackets
- ♦ Epoxy coated housings
- ♦ Special connections
- ♦ Available in ***Stainless Steel***
- ♦ Activated carbon prefilter to reduce odor
- ♦ Alternate Top-to-canister fastening system for low pressure or pulsating systems
- ♦ Dome hood for high holding capacity

Polyester Element	Paper Element	NPT	DIMENSIONS (Inches)							Used on Models	Approx Wt. Lbs
			A	B	C	D	E	F	G		
CSL-843-050HC	CSL-842-050HC	½"	4 ¾"	9/16"	5 7/8"	2 ½"	9/16"	5	3 ¼"	10DL	
CSL-843-075HC	CSL-842-075HC	¾"	4 ¾"	9/16"	5 7/8"	2 ½"	9/16"	5	3 ¼"	15DH	
CSL-843-100HC	CSL-842-100HC	1"	4 ¾"	¾"	5 7/8"	2 ½"	¾"	5	3 ¼"	06	
CSL-843-125HC	CSL-842-125HC	1 ¼"	4 ¾"	¾"	5 7/8"	2 ½"	¾"	5	3 ¼"	V3, 20DH	
CSL-849-150HC	CSL-848-150HC	1 ½"	6 ½"	¾"	7 5/16"	4 ½"	¾"	6 13/16"	5 ¼"	V4, 30DH, 40DH	
CSL-851-200HC	CSL-850-200HC	2"	10 ¼"	¾"	8 ¾"	5"	¾"	7 5/8"	9 ¼"	K05-MS, K06-MS, K05-TD	15
CT-235P-300C	CT-234P-300	3"	18 13/16"	9 7/8"	13 1/2"	16 4/5"	13 1/8"	10"	14"	K05-TS, K07-MS, K08-MS, K07-MD, K08-MD, K07-TD, K08-TD	30
CT-235P-400C	CT-234P-400C	4"	18 13/16"	9 7/8"	13 1/2"	16 4/5"	13 1/8"	10"	14"	K09-MS, K10-MS, K09-MD, K10-MD, K11-MD, K09-TD, K10-TD	29
CSL-335P-400	CSL-334P-400C	4"	27 1/8"	3"	14"	18 1/2"	3"	12"	15"	K07-TS, K08-TS, K11-MS, K11-TD	30
CT-275P-500C	CT-274P-500C	5"	18 ¼"	16"	19"	14 3/8"	9 7/8"	14 ¾"	20"	K09-TS, K10-TS	50

**Inlet Filters**

FPZ inlet filters are used for pressure applications. The inlet filters combine filtration and sound attenuation into a compact package. Inlet filters consist of a filter cartridge enclosed by a carbon steel weather hood. Elements are easily serviceable by simply removing the weather hood.

**TYPICAL NOISE ATTENUATION – FS SERIES**

♦ Noise attenuation may vary due to application

FEATURES & SPECIFICATIONS

- ♦ Polyester: 99%+ removal efficiency standard to 5 micron
- ♦ Paper: 99%+ removal efficiency standard to 2 micron (15 micron for FL10)
- ♦ Fully drawn weatherhood - no welds to rust or vibrate apart
- ♦ Tubular silencing design - tube is positioned to maximize attenuation and air flow while minimizing pressure drop
- ♦ Durable carbon steel construction with baked enamel finish and powder coated weatherhood
- ♦ Interchangeable elements: Polyester, Paper
- ♦ Low pressure drop center bracket and outlet pipe design
- ♦ Temp (continuous): min -15°F (-26°C) max 220°F (104°C)
- ♦ Filter change out differential: 10"-15" H₂O Over Initial Delta P

OPTIONS (Inquiries Encouraged)

- ♦ Various media available
- ♦ 1/8" & 1/4" tap holes
- ♦ Pressure Drop Indicator
- ♦ Available in **Stainless Steel**
- ♦ Epoxy coated housings
- ♦ Hot dipped galvanized housings
- ♦ Special connections, NPT

Polyester Element	Paper Element	NPT	Dimensions (Inches)			Used on Models	Approx Wt. Lbs
			A	B	C		
FS-15-050	FS-14-050	½"	4	1 ½	6	10DL	2
FS-15-075	FS-14-075	¾"	4	1 ½	6	15DH	2
FS-15-100	FS-14-100	1"	4	1 ½	6	O6	2
FS-19P-125	FS-18P-125	1 ¼"	6 ⅝"	1 ⅝"	6	V3, 20DH	3
FS-19P-150	FS-18p-150	1 ½"	6 ⅝"	1 ⅝"	6	V4, 30DH, 40DH	4
FS-31P-200	FS-30P-200	2"	7 ¼"	2 ¼"	10	K05-MS, K05-TD	8
FS-231P-200	FS-230P-200	2"	12 ¼"	2 ¼"	10	K06-MS	
FS-231P-300	FS-230P-300	3"	13"	3"	10"	K07-MS, K05-TS K07-MD, K08-MD, K07-TD	15
FS-235P-300	FS-234P-300	3"	13"	3"	16"	K08-MS, K08-TD	29
FS-235P-400	FS-234P-400	4"	14"	4"	16"	K09-MS, K10-MS, K09-MD, K10-MD, K11-MD, K09-TD, K10-TD	30
FS-245P-400	FS-244P-400	4"	14"	4"	16"	K07-TS, K08-TS, K11-MS, K11-TD	31
NA	FL10	5" hose / pvc	14 3/8"	1 3/8"	16 3/16"	K09-TS, K10-TS, K11-TS, 115SH, 115DH	18



Flow Converting Devices



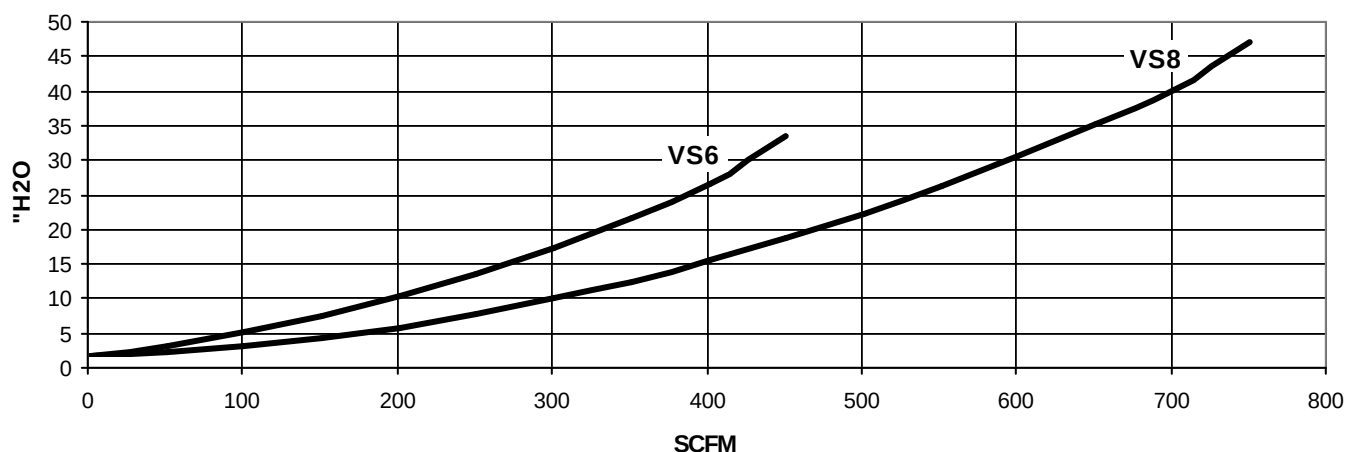
Flow converting device with electromagnet

FPZ flow converting valves are used to change the direction of air. Flow converting devices can change from vacuum to pressure or vice versa virtually instantaneously (0.10 seconds). Air can also be rerouted to different lines depending on system requirements. The valves can be mounted directly to the blower or they can be mounted in-line.

All valves are constructed from aluminium alloy. The valves can be actuated with 24VDC, 115VAC, 220VAC, or pneumatically. Pneumatic valves can be actuated with single or double acting pneumatic drives. Double acting pneumatic drives can operate in a neutral position. Air requirements for pneumatic drives are 60 – 145 psig.

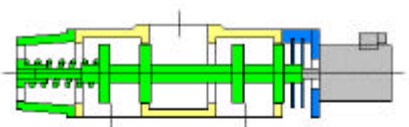
The selector acts on special teflon segments which ensure that the chambers are efficiently sealed. There is little friction or wear. The selector is repositioned with a spring.

Pressure Drop Per Duct

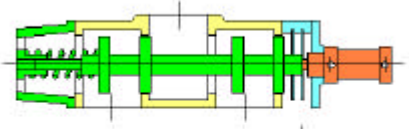


"O" & "P" Executions

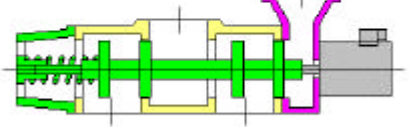
VSX O 00000 EX
(electric)



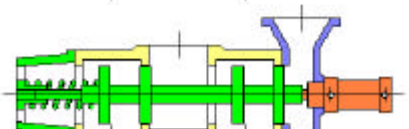
VSX O 00000 PX
(pneumatic)



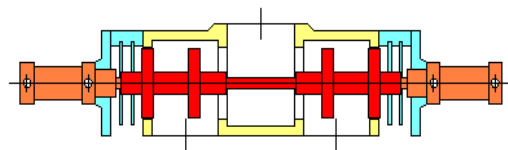
VSX P 00000 EX
(electric)



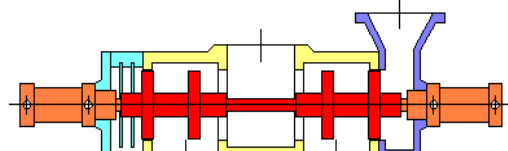
VSXP 00000 P2
(pneumatic)



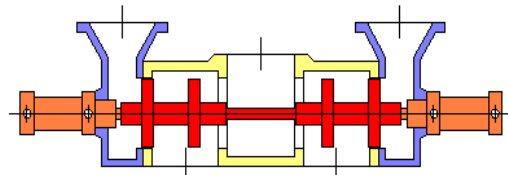
"Y", "H" & "K" Executions



VSX Y 00000 P2
(pneumatic)



VSX H 00000 P2
(pneumatic)



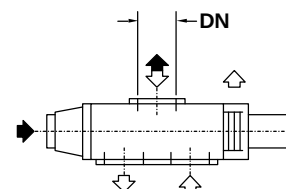
VSX K 00000 P2
(pneumatic)



Flow Converting Devices

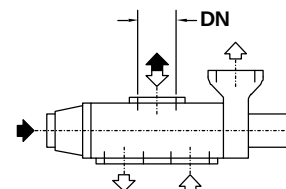
'O' execution

DN	Drive	Model
2"	Electrical: 24 V. dc; 2.25 amps	VS6 O 00000 EA
2"	Electrical: 115 V. ac; 0.58 amps	VS6 O 00000 ED
2"	Electrical: 220 V. ac; 0.29 amps	VS6 O 00000 EF
2"	Pneumatic double action; 60 – 145 psi	VS6 O 00000 P2
3"	Electrical: 24 V. dc; 2.25 amps	VS8 O 00000 EA
3"	Electrical: 115 V. ac; 0.58 amps	VS8 O 00000 ED
3"	Electrical: 220 V. ac; 0.29 amps	VS8 O 00000 EF
3"	Pneumatic double action; 60 – 145 psi	VS8 O 00000 P2



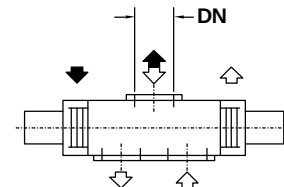
'P' execution

DN	Drive	Model
2"	Electrical: 24 V. dc; 2.25 amps	VS6 P 00000 EA
2"	Electrical: 115 V. ac; 0.58 amps	VS6 P 00000 ED
2"	Electrical: 220 V. ac; 0.29 amps	VS6 P 00000 EF
2"	Pneumatic double action; 60 – 145 psi	VS6 P 00000 P2
3"	Electrical: 24 V. dc; 2.25 amps	VS8 P 00000 EA
3"	Electrical: 115 V. ac; 0.58 amps	VS8 P 00000 ED
3"	Electrical: 220 V. ac; 0.29 amps	VS8 P 00000 EF
3"	Pneumatic double action; 60 – 145 psi	VS8 P 00000 P2



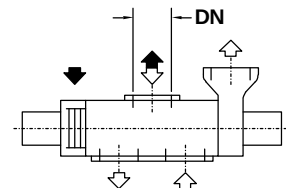
'Y' execution

DN	Drive	Model
2"	2x pneumatic double action; 60 – 145 psi	VS6 Y 00000 P2
3"	2x pneumatic double action; 60 – 145 psi	VS8 Y 00000 P2



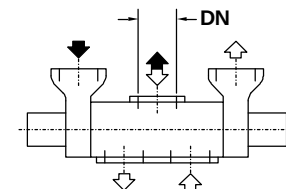
'H' execution

DN	Drive	Model
2"	2x pneumatic double action; 60 – 145 psi	VS6 H 00000 P2
3"	2x pneumatic double action; 60 – 145 psi	VS8 H 00000 P2



'K' execution

DN	Drive	Model
2"	2x pneumatic double action; 60 – 145 psi	VS6 K 00000 P2
3"	2x pneumatic double action; 60 – 145 psi	VS8 K 00000 P2



Note: flanging NOT included, contact the factory for additional mounting options.



ACCESSORIES

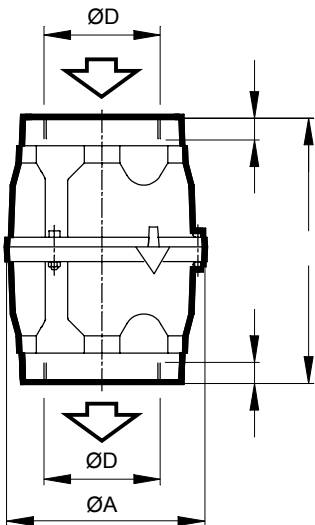
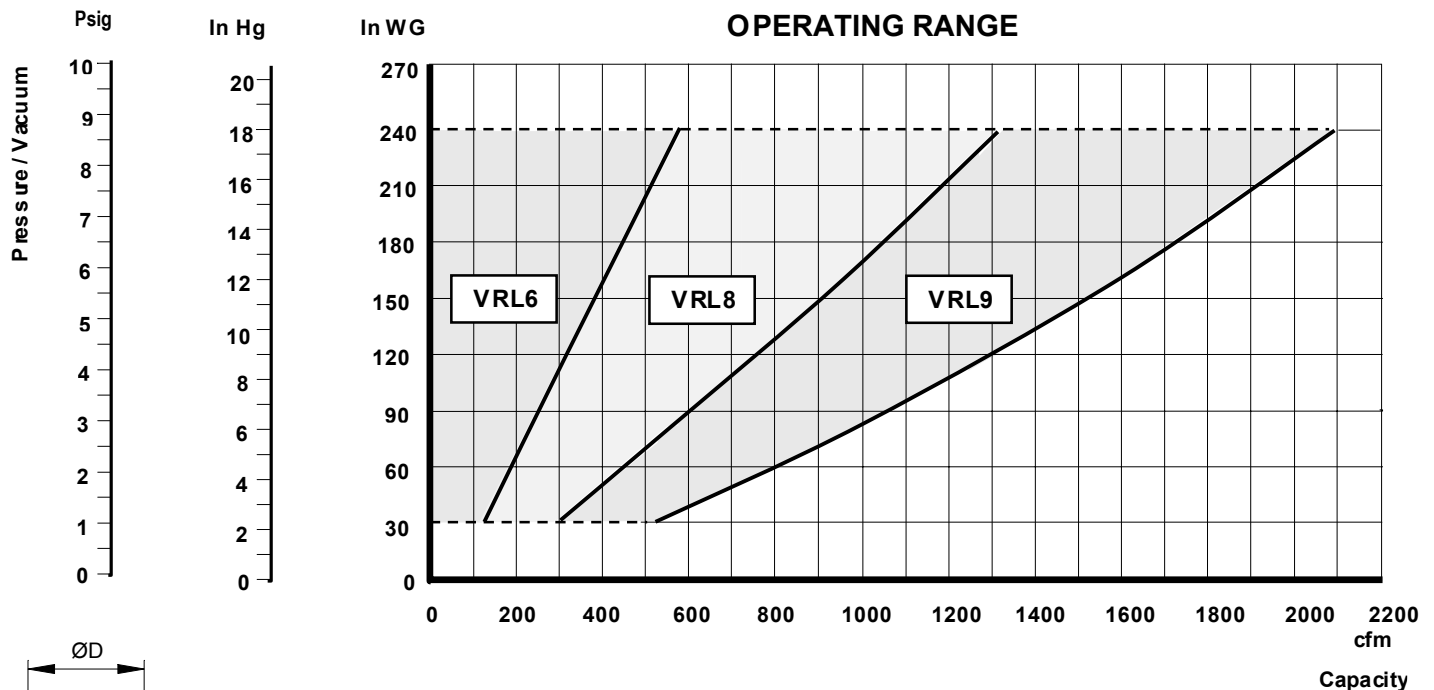
Safety Valves

The VRL valves are designed to protect blowers and / or motors from over pressurization or excess vacuum. When there is over pressurization, the valve opens and discharges to the outside. When there is excess in vacuum, the valve opens and takes flow from outside.

The valve have been designed for low pressure / low vacuum, with minimal difference between the initial value at which the valve begins to open and its fully-opened position. The valves are supplied with 2 different springs to maximize its efficiency.

These compact valves, made of aluminum alloy, are both easy to install and calibrate. The valves are designed to operate in a wide range of capacities. The VRL can be plumbed to divert excess primary flow through a secondary external outlet when working in pressure conditions or to pipe-in a secondary flow when working in vacuum.

Maximum efficiency is achieved by keeping operating values (flow versus pressure or vacuum) within the operating range (shaded area on graph). Capacity refers to air having a density equal to 0.075 lbs./cu.ft .

**VRL6****VRL8****VRL9**

OVERALL DIMENSIONS

TYPE	ND	D	A	B	H	WEIGHT (Lbs)
VRL6	2"	2" NPT	3.94	6.57	0.47	2.1
VRL8	3"	3" NPT	5.31	7.48	0.59	4.2
VRL9	4"	4" NPT	6.30	8.11	0.71	5.7

- Dimensions in inches.
- Specifications subject to change without prior notice.



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High Pressure Safety Valves

The VRL H.P. valves are designed to protect blowers and / or motors from over pressurization or excess vacuum. When there is over pressurization, the valve opens and discharges to the outside. When there is excess in vacuum, the valve opens and takes flow from outside.

The valve have been designed for low pressure / low vacuum, with minimal difference between the initial value at which the valve begins to open and its fully-opened position.

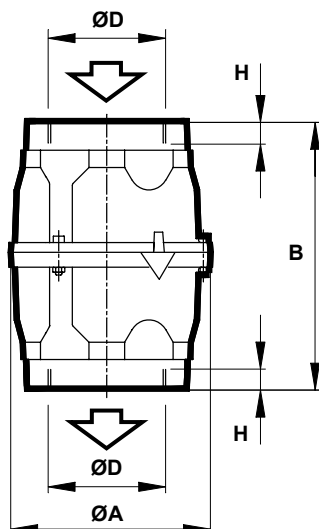
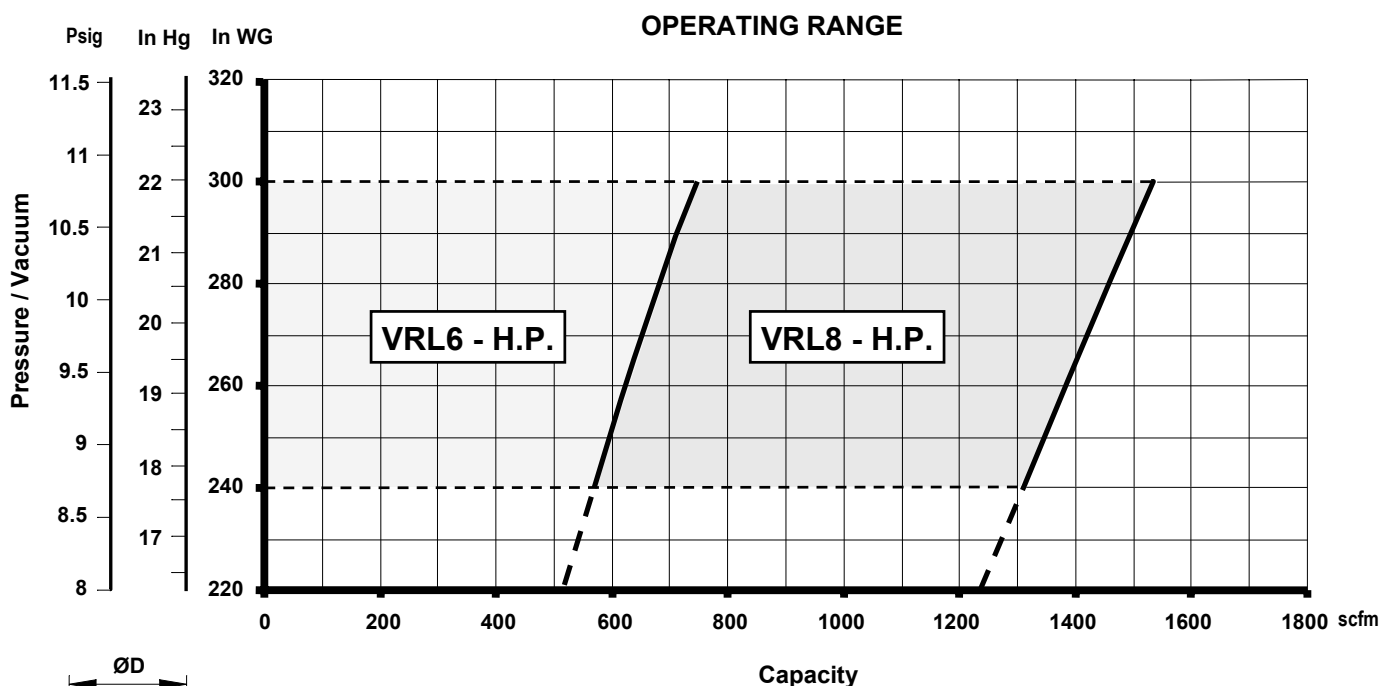
These compact valves, made of aluminum alloy, are both easy to install and calibrate. The valves are designed to operate in a wide range of capacities. The VRL H.P. can be plumbed to divert excess primary flow through a secondary external outlet when working in pressure conditions or to pipe-in a secondary flow when working in vacuum.

Maximum efficiency is achieved by keeping operating values (flow versus pressure or vacuum) within the **operating range** (shaded area on graph). Capacity refers to air having a density equal to 0.075 lbs./cu.ft .



VRL6 - H.P.

VRL8 - H.P.



OVERALL DIMENSIONS

TYPE	ND	D	A	B	H	WEIGHT (Lbs)
VRL6 - H.P.	2"	2" NPT	3.94	6.57	0.47	2.1
VRL8 - H.P.	3"	3" NPT	5.31	7.48	0.59	4.2

- Dimensions in inches.
- Specifications subject to change without prior notice.



Gauges, Check Valves, Silencers

Gauges



Gauges are important for monitoring the operating pressure or vacuum of the blower. Gauges should be positioned as close to the blower as possible.

Part Number	Description	Npt
VG25-60	Back mount Vacuum Gauge 0-60" H ₂ O	1/4"
VG25-200	Back mount Vacuum Gauge 0-200" H ₂ O	1/4"
PG25-60	Back mount Pressure Gauge 0-60" H ₂ O	1/4"
PG25-200	Back mount Pressure Gauge 0-200" H ₂ O	1/4"
PG20-15	Back mount Pressure Gauge 0-15 psi	1/4"

(Different mounting options are available – contact the factory for more information).

Check Valves



Check valves allow air to flow in one direction. Check valves prevent system pressure or vacuum from reentering the blower.

Part Number	Description
CV10	Bronze Swing Check Valve – 1.0" NPT
CV15	Bronze Swing Check Valve – 1.5" NPT
CV20	Bronze Swing Check Valve – 2.0" NPT
CV30	Bronze Swing Check Valve – 3.0" NPT
CV40	Bronze Swing Check Valve – 4.0" NPT

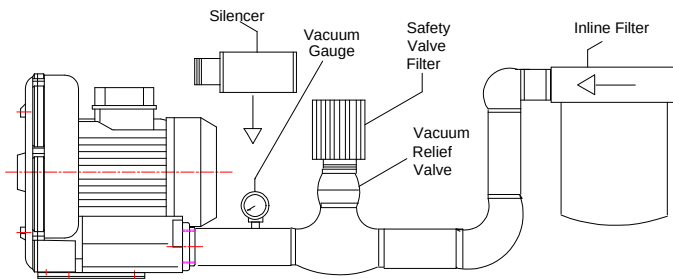
Silencers



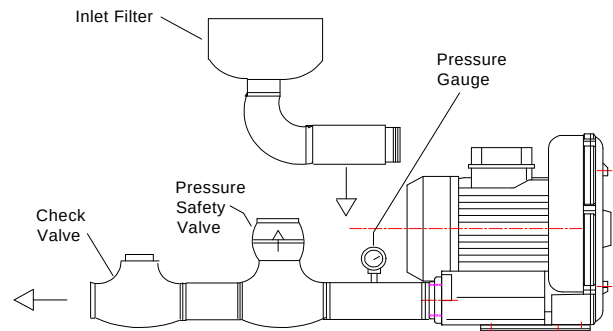
Part Number	Description
SS4	1.25" Gas Silencer
SS5	1.5" Gas Silencer
SS6	2.0" Gas Silencer
SS8	3.0" Gas Silencer
SS10	4.0" npt Silencer

SS4 - 8 silencers come with a flange to mount directly to the blower.

Typical Vacuum System



Typical Pressure System



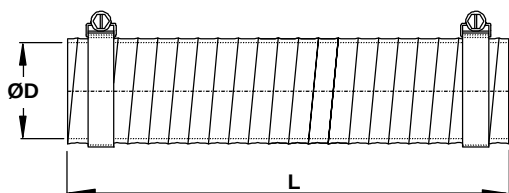


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Flexible Sleeves / Flanges

FLEXIBLE SLEEVE

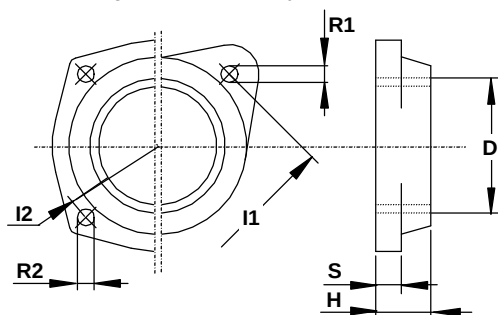
Steel reinforced rubber - coated fibreglass flex tubing, including 2 adjustable hose clamps. Working temperature: $-55 \div +176$ °C ($-67 \div +350$ °F). Maximum working pressure: 3 bar (44 psi).



TIPO TYPE	DN	D	L
MF 1	1/2"	20	200
MF 2	3/4"	26	200
MF 3	1"	32	200
MF 4	1" 1/4	45	200
MF 5	1" 1/2	50	250
MF 6	2"	64	250
MF 8	3"	89	330
MF 9	4"	114	330
MF 10	5"	140	330

THREADED FLANGE

Threaded flange in aluminum alloy.



TIPO TYPE	D	H	I 1	I 2	R 1	R 2	S
TF 3	G 1"	18	55	-	6.5	-	10
TF 4	G 1" 1/4	18	75	-	6.5	-	10
TF 4V	G 1" 1/4	18	64	-	6.5	-	10
TF 5	G 1" 1/2	18	85	-	6.5	-	10
TF 5V	G 1" 1/2	18	75	-	6.5	-	10
TF 6	G 2"	18	85	-	6.5	-	10
TF 8	G 3"	25	-	120	-	6.5	13
TF 9	G 4"	25	-	150	-	9	13

SLEEVE

Aluminum alloy or steel flanged sleeve coupling.

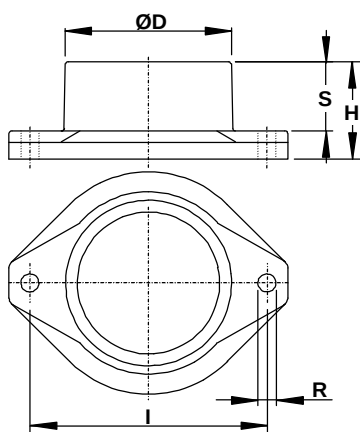


Fig. 1
Mat.: Al

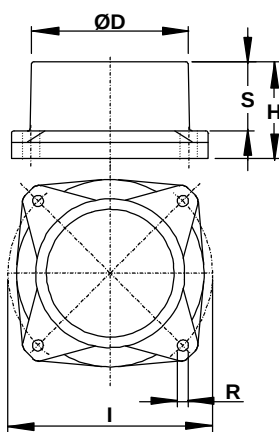


Fig. 2
Mat.: Al

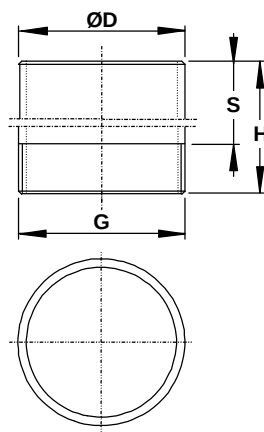


Fig. 3
Mat.: Fe

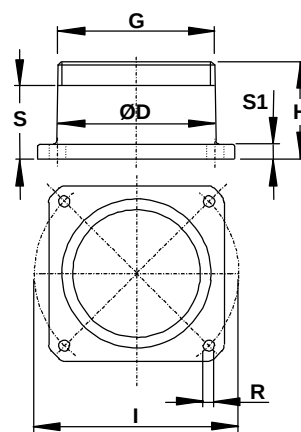


Fig. 4
Mat.: Fe

TIPO TYPE	DN	D	G	H	I	R	S	Fig.
MP 1	1/2"	21	G 1/2"	100	-	-	85	3
MP 2	3/4"	27	G 3/4"	100	-	-	85	
MP 3	1"	33	-	35	55	6.5	25	
MP 4	1" 1/4	42	-	35	75	6.5	25	
MP 4V	1" 1/4	42	-	35	64	6.5	25	
MP 5	1" 1/2	48	-	35	85	6.5	25	1

TIPO TYPE	DN	D	G	H	I	R	S	S1	Fig.
MP 5V	1" 1/2	48	-	35	75	6.5	25	-	1
MP 6	2"	60	-	35	85	6.5	25	-	
MP 8	3"	88	-	45	120	6.5	32	-	2
MP 9	4"	114	G 4"	100	-	-	80	-	3
MP 10	5"	140	G 5"	60	210	18	40	8	4



CA MANIFOLD FOR FA/FL FILTERS

90° wide radius PVC manifold with flanged connection and unthreaded tube end. Working temperature $-20^{\circ} \div +40^{\circ}\text{C}$ ($-5^{\circ} \div +105^{\circ}\text{F}$).

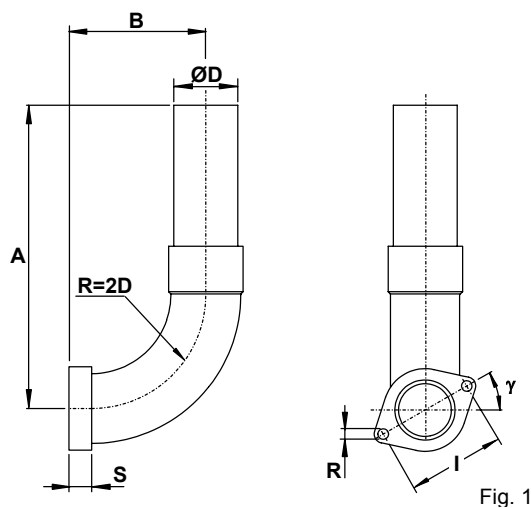


Fig. 1

TYPE	DN	A	B	D	S	I	R	γ	Fig.
CA 4	1" 1/4	220	90	42	15	75	7	30°	1
CA 4V	1" 1/4	220	90	42	15	64	7	-	2
CA 5	1" 1/2	260	110	48	15	85	7	45°	1
CA 5V	1" 1/2	260	110	48	15	75	7	-	2
CA 6	2"	320	135	60	15	85	7	45°	1
CA 6V	2"	320	135	60	15	85	7	-	2
CA 8	3"	380	185	88	15	120	7	-	3
CA 9	4"	400	235	113	20	150	9	-	
CA 10	5"	450	300	140	20	210	18	-	

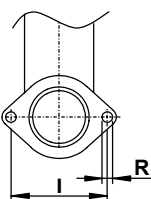


Fig. 2

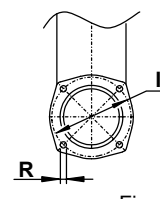


Fig. 3

CT MANIFOLDS FOR FLOW CONVERTING VALVES

Aluminum manifold connectors with variable flanges.

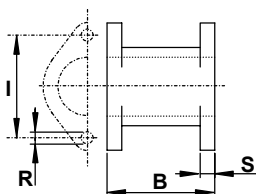


Fig. 4

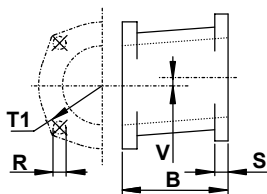


Fig. 5

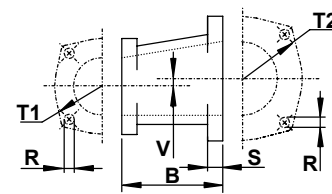
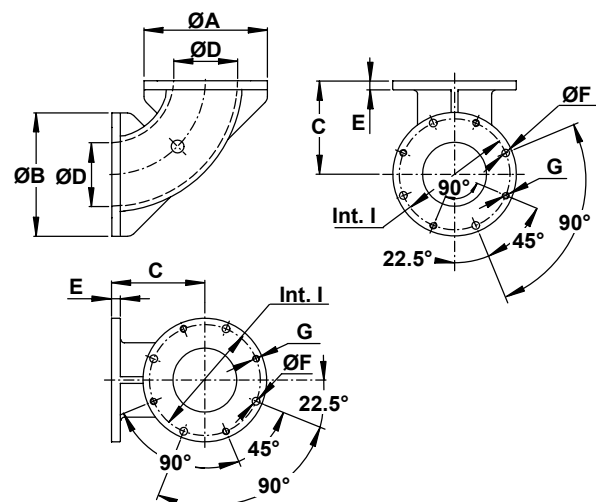


Fig. 6

TYPE	DN	B	S	I	R	T1	T2	V	Fig.
CT 66	2"	60	11	85	7	-	-	-	4
CT 88	3"	65	11	-	7	120	-	9	5
CT 89	3" ÷ 4"	65	11	-	7	120	150	9	6

CK MANIFOLD FOR "K" MODELS

90° aluminium manifold for "K" models.



TYPE	A	B	C	D	E	F	G	I
CK 3								
CK 4								
CK 5								
CK 6								
CK 8	145	145	109.5	75	10	9	M8	130
CK 9	165	165	132.5	90	10	9	M8	150

Dimensions in mm. Tolerance on given values $\pm 10\%$ - unbinding and can be changed without prior notice.



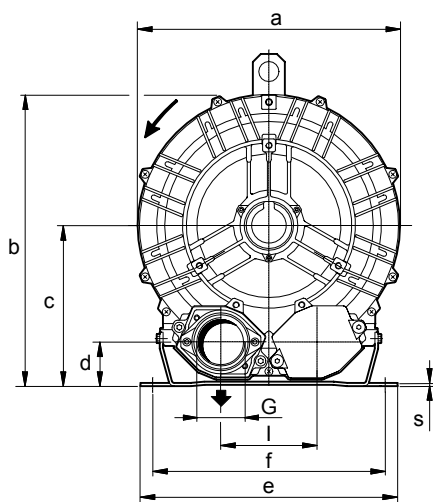
® FPZ, Inc
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 E-mail usa@fpz.com

REGENERATIVE BLOWERS 63

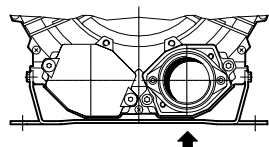
SCL K03 / K04 / K05 / K06

MS SERIES

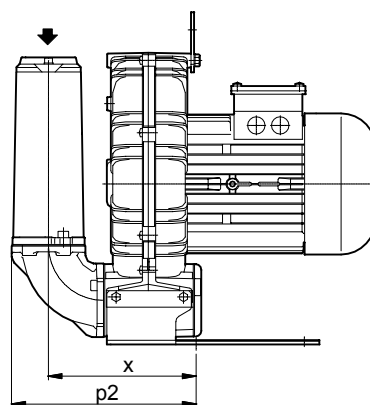
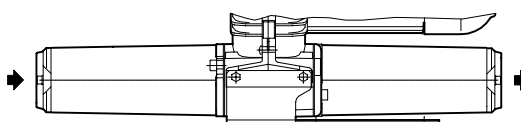
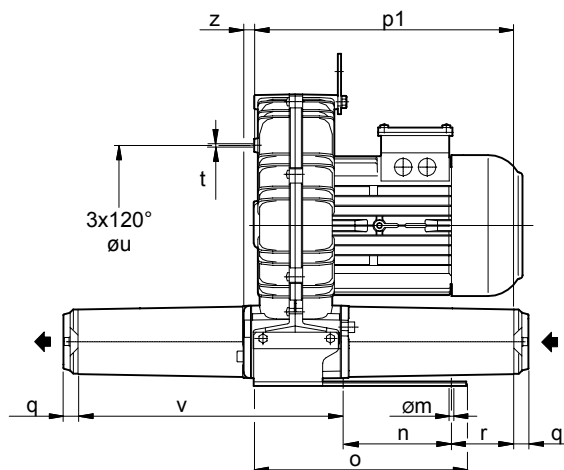
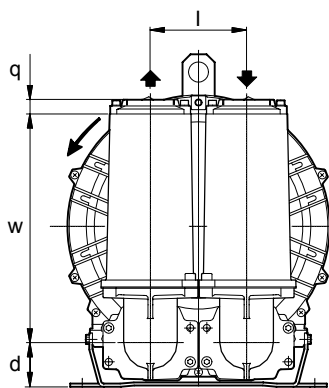
SI 1839-1 1/1



In-line silencer
configuration



Configuration with 2
90° manifolds



DIMENSIONS IN Inches.
 DIMENSIONS FOR REFERENCE ONLY

Model	a	b	c	d	e	f	G	I	m	n	o
K03-MS											
K04-MS											
K05-MS	12.87	14.37	7.87	2.13	12.60	10.24	2" NPT	4.72	0.59	4.53	10.43
K06-MS	14.80	15.47	8.07	2.13	12.80	11.42	2" NPT	4.92	0.59	5.51	10.43

Model	p1	p2	q	r	s	t	u	v	w	x	z
K03-MS											
K04-MS											
K05-MS	12.60	9.06	0.71	3.86	0.16	M8	7.87	12.99	11.22	7.24	0.75
K06-MS	13.15	9.61	0.71	3.35	0.16	M8	9.45	13.07	11.22	7.80	0.75

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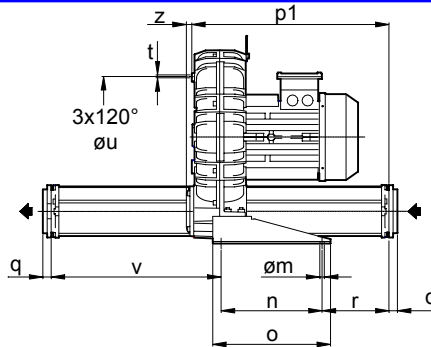
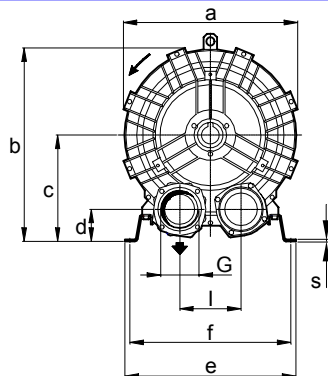
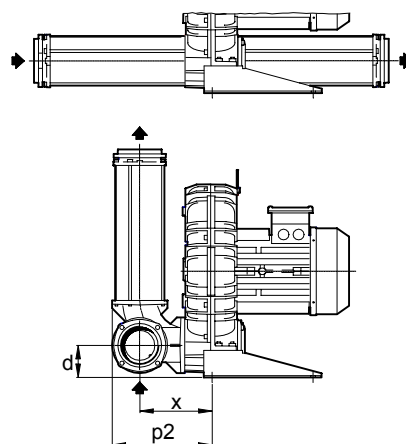
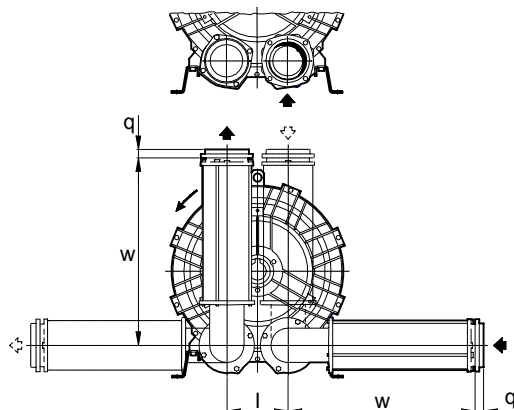
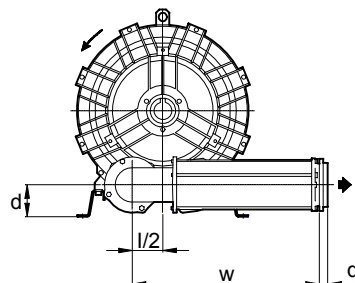
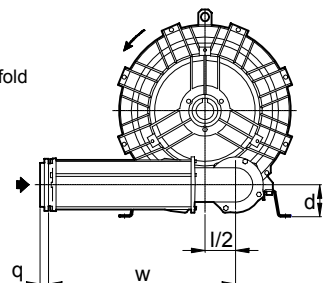
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In-line silencer
configurationConfiguration with
manifolds in 90°Configuration with 90° manifold
and reduced dimensionsDIMENSIONS IN Inches.
DIMENSIONS FOR REFERENCE ONLY.

Model	a	b	c	d	e	f	G	l	m	n	o
K07-MS	16.69	18.94	10.59	3.23	18.43	17.24	3" NPT	6.10	0.51	11.81	13.78
K08-MS	17.99	19.61	10.59	3.23	18.82	17.64	3" NPT	6.10	0.51	11.81	13.78
K09-MS	19.37	22.09	12.40	3.78	20.00	18.82	4" NPT	7.17	0.51	11.81	13.78
K10-MS	20.31	22.56	12.40	3.78	20.00	18.82	4" NPT	7.17	0.51	11.81	13.78
K11-MS	21.34	23.74	13.07	3.58	21.18	20.00	4" NPT	7.87	0.51	11.81	13.78

Model	p1	p2	q	r	s	t	u	v	w	x	z
K07-MS	20.16	70.09	0.98	5.39	0.20	M8	11.61	17.44	18.94	7.20	0.63
K08-MS	20.16	7.09	0.98	5.39	0.20	M8	12.20	17.44	18.94	7.20	0.63
K09-MS	23.07	8.31	0.98	7.83	0.20	M8	14.17	19.88	21.89	8.46	0.63
K10-MS	23.07	8.31	0.98	7.83	0.20	M8	14.17	19.88	21.89	8.46	0.63
K11-MS	23.46	8.50	0.98	8.03	0.20	M8	15.35	20.08	21.89	8.66	0.63

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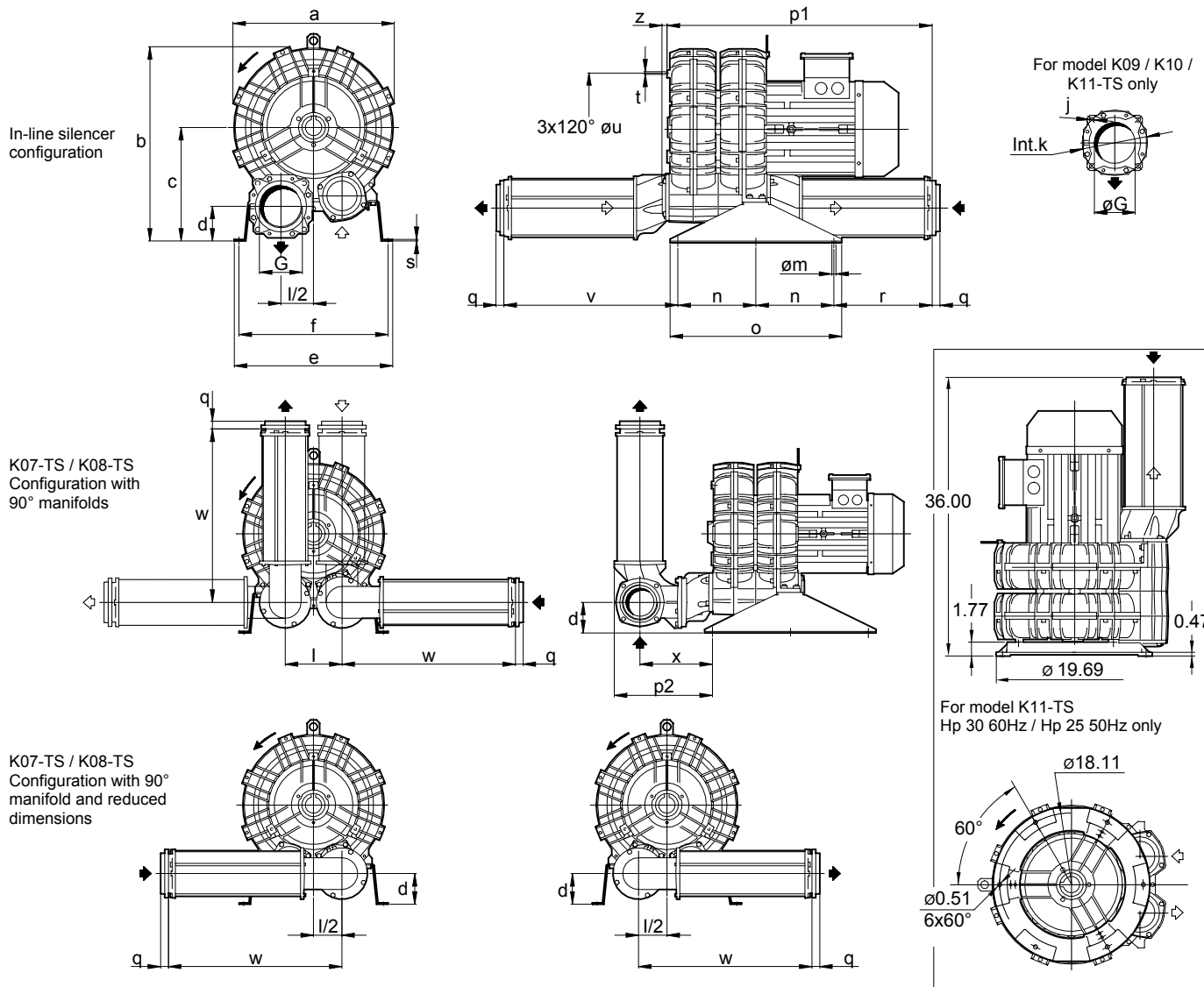
REGENERATIVE BLOWERS

SCL K07 / K08 / K09 / K10 / K11

TS SERIES

SI 1825-2 1/1

65



DIMENSIONS IN Inches.
 DIMENSIONS FOR REFERENCE ONLY

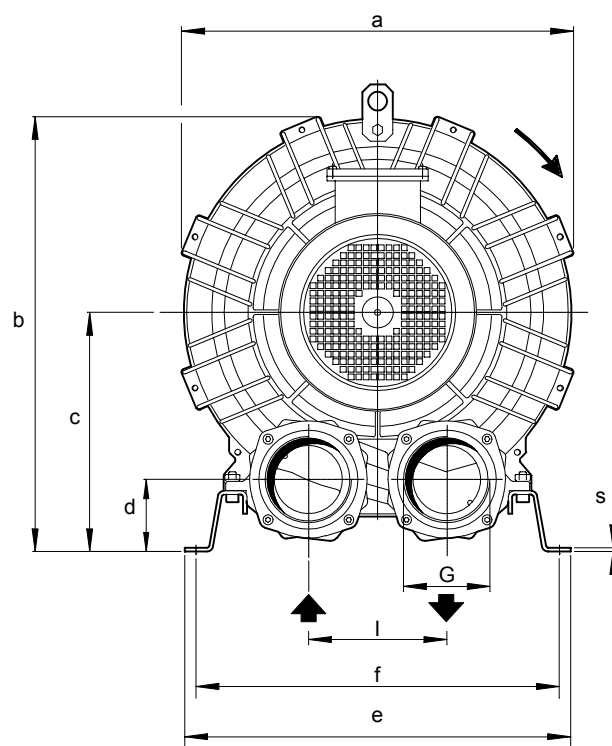
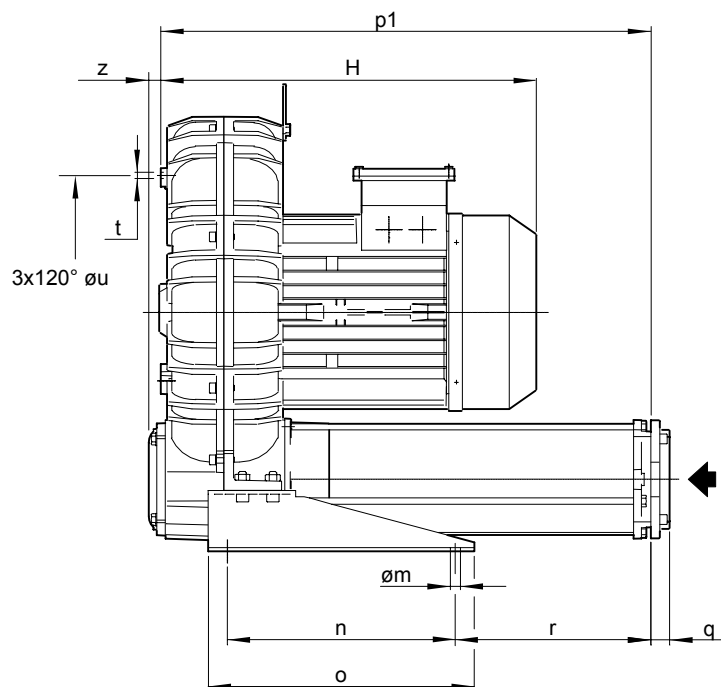
Model	a	b	c	d	e	f	G	l	j	k	m	n
K07-TS	16.69	20.91	12.56	3.86	18.43	17.24	4" NPT	7.17	-	-	0.51	9.84
K08-TS	18.03	21.57	12.56	3.86	18.82	17.64	4" NPT	7.17	-	-	0.51	9.84
K09-TS	19.37	24.02	14.37	4.41	20.00	18.82	5.12	8.27	M16	8.27	0.51	9.84
K10-TS	20.31	24.53	14.37	4.41	20.00	18.82	5.12	8.27	M16	8.27	0.51	9.84
K11-TS	21.26	25.59	14.96	4.17	21.26	20.08	5.12	8.98	M16	8.27	0.51	9.84

Model	o	p1	p2	q	r	s	t	u	v	w	x	z
K07-TS	21.65	31.57	12.40	0.98	11.77	0.20	M8	11.61	20.55	22.87	10.87	0.63
K08-TS	21.65	31.57	12.40	0.98	11.77	0.20	M8	12.20	20.55	22.87	10.87	0.63
K09-TS	21.65	33.46	-	-	12.40	0.20	M8	14.17	21.97	-	-	0.63
K10-TS	21.65	33.46	-	-	12.40	0.20	M8	14.17	21.97	-	-	0.63
K11-TS	21.65	34.25	-	-	12.60	0.20	M8	15.35	22.56	-	-	0.63

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DIMENSIONS IN Inches.
DIMENSIONS FOR REFERENCE ONLY

Model	a	b	c	d	e	f	G	l	m
K07-MD	16.69	18.94	10.59	3.23	18.43	17.24	3" NPT	6.10	0.51
K08-MD	17.99	19.61	10.59	3.23	18.82	17.64	3" NPT	6.10	0.51
K09-MD	19.37	22.09	12.40	3.78	20.00	18.82	4" NPT	7.17	0.51
K10-MD	20.31	22.56	12.40	3.78	20.00	18.82	4" NPT	7.17	0.51
K11-MD	21.35	23.74	13.07	3.58	21.18	20.00	4" NPT	7.87	0.51

Model	n	o	p1	q	r	s	t	u	z
K07-MD	11.81	13.78	22.13	0.98	7.36	0.20	M8	11.61	0.63
K08-MD	11.81	13.78	22.13	0.98	7.36	0.20	M8	12.20	0.63
K09-MD	11.81	13.78	25.35	0.98	10.12	0.20	M8	14.17	0.63
K10-MD	11.81	13.78	25.35	0.98	10.12	0.20	M8	14.17	0.63
K11-MD	11.81	13.78	25.75	0.98	10.31	0.20	M8	15.35	0.63

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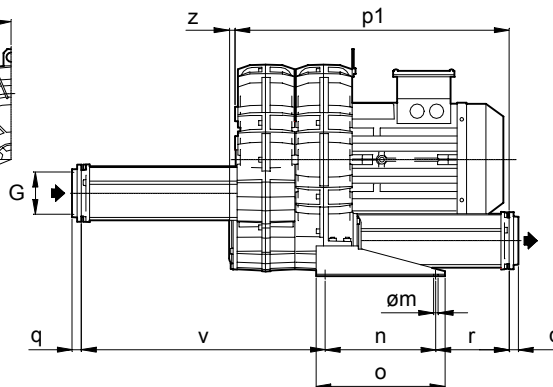
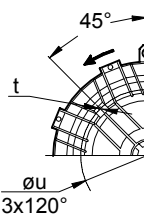
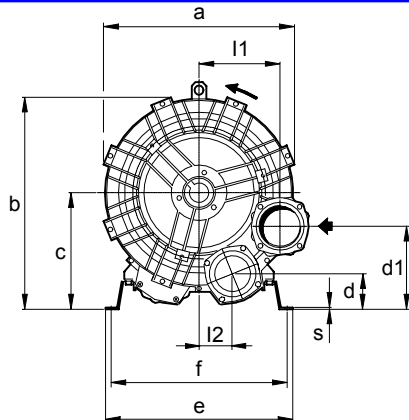
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REGENERATIVE BLOWERS 67

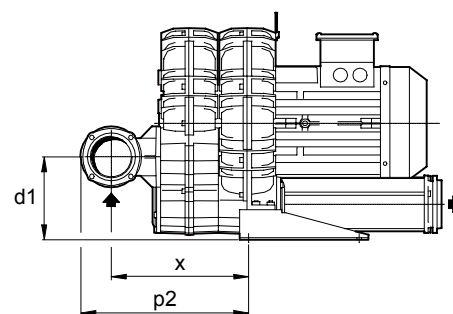
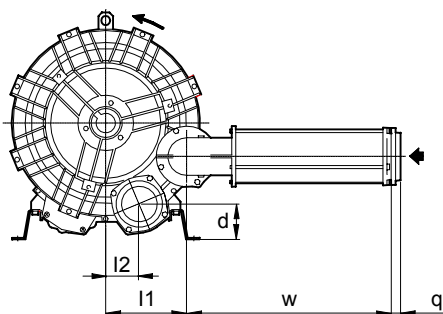
SCL K07 / K08 / K09 / K10 / K11

TD SERIES
SI 1829-2 1/1

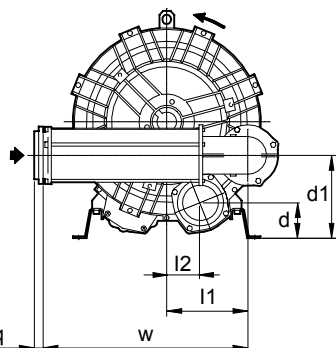
In-line silencer configuration



Configuration with 90° manifold



Configuration with 90° manifold and reduced dimensions



DIMENSIONS IN Inches.
DIMENSIONS FOR REFERENCE ONLY.

Model	a	b	C	d	d1	e	f	G	l1	l2	m	n
K07-TD	16.69	18.94	10.59	3.23	7.56	18.43	17.24	3" NPT	7.36	3.05	0.51	11.81
K08-TD	17.99	19.61	10.59	3.23	7.56	18.82	17.64	3" NPT	7.36	3.05	0.51	11.81
K09-TD	19.37	22.09	12.40	3.78	8.86	20.00	18.82	4" NPT	8.66	3.58	0.51	11.81
K10-TD	20.31	22.56	12.40	3.78	8.86	20.00	18.82	4" NPT	8.66	3.58	0.51	11.81
K11-TD	21.26	23.70	12.40	3.54	9.13	21.18	20.00	4" NPT	9.53	3.94	0.51	11.51

Model	o	p1	p2	q	r	s	t	u	v	w	x	z
K07-TD	13.78	25.55	15.43	0.98	5.39	0.20	M8	11.61	22.87	18.94	12.56	0.63
K08-TD	13.78	25.55	15.43	0.98	5.39	0.20	M8	12.20	22.87	18.94	12.56	0.63
K09-TD	13.78	29.33	17.91	0.98	7.83	0.20	M8	14.17	26.10	21.89	14.65	0.63
K10-TD	13.78	29.33	17.91	0.98	7.83	0.20	M8	14.17	26.10	21.89	14.65	0.63
K11-TD	13.78	30.12	18.50	0.98	8.03	0.20	M8	15.35	26.69	21.89	15.24	0.63

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Installation Information

Installation

Standard FPZ blowers are designed for handling air only. Alternate designs are available for handling certain gasses. Contact the factory for more information.

Most blowers listed in this catalog can be mounted in any orientation. Some belt driven and direct coupled blowers cannot be mounted in any orientation. Contact the factory for specific mounting requirements for belt driven models.

FPZ blowers create little vibration, however, rubber feet (or other vibration absorption material) and a flexible connection are recommended.

Ambient Temperature

Blowers should be installed in ambient temperatures between **+5° F** (-15° C) and **+105° F** (40° C). High temperature blowers are available – contact the factory for more information. Make sure the blower is installed in a well-ventilated area to avoid overheating.

Wiring

Make sure that the supply voltage is correct and the blower is wired for the supply voltage. FPZ blowers come with a wiring diagram located on the inside cover of the terminal box.

An arrow located on the fan cover indicates the proper rotation of the blower (clockwise when viewed from the motor). All three-phase models can have the rotation changed by switching any two of the main power leads.

Multi voltage motors leave the factory wired for high voltage.

Vacuum / Pressure Capabilities

It is important that blowers do not operate above their maximum vacuum / pressure ratings. The performance curves listed in this catalog indicate a minimum amount of airflow that must pass through the blower to prevent overheating. The minimum airflow occurs at the blower's maximum vacuum or maximum pressure. A properly installed relief valve will prevent the blower from over pressurizing. The electric motor amperage should also be checked upon installation as it may determine if the blower is operating above its maximum capabilities.

Plumbing

The plumbing should be at least the same size as the blower port or ideally one size larger to minimize friction losses. Try to minimize the number of elbows used. Avoid using rigid connections that will induce stress and cause harmful vibrations. Support the weight of all plumbing connections.



Engineering Information

PSI	In. H ₂ O	In. Hg	mBar	mmH ₂ O
1	27.68	2.04	68.95	703.0
1.5	41.5	3.05	103.43	1054.5
2	55.4	4.07	137.90	1406.0
2.5	69.2	5.09	172.38	1757.5
3	83.0	6.11	206.85	2109.0
3.5	96.9	7.13	241.33	2460.5
4	110.7	8.14	275.80	2812.0
4.5	124.6	9.16	310.28	3163.5
5	138.4	10.18	344.75	3515.0
5.5	152.2	11.20	379.23	3866.5
6	166.1	12.22	413.70	4218.0
6.5	179.9	13.23	448.18	4569.5
7	193.8	14.25	482.65	4921.0
7.5	207.6	15.27	517.13	5272.5
8	221.4	16.29	551.60	5624.0
8.5	235.3	17.31	586.08	5975.5
9	249.1	18.32	620.55	6327.0
9.5	263.0	19.34	655.03	6678.5
10	276.8	20.36	689.50	7030.0

Pressure				
In. H ₂ O	x	0.03613	=	psi
In. H ₂ O	x	0.07355	=	In. Hg
psi	x	27.68	=	In. H ₂ O
psi	x	2.036	=	In. Hg

Flow				
m ³ /h	x	0.588	=	cfm
lpm	x	0.03528	=	cfm
cfm	x	1.699	=	m ³ /h
cfm	x	28.32	=	lpm

Length				
Feet	x	12	=	Inches
Inches	x	2.54	=	cm
Feet	x	0.3048	=	meters

Barometric pressure varies in direct proportion to altitude.

Example #1 – If a blower is required to deliver 2 psig at 5000 feet, what pressure at standard air is required?

$$\text{Pressure} = 29.92 / 24.89 \times 2 = 2.4 \text{ psig}$$

Example #2 – If a blower is required to deliver 2 psig at standard air, what pressure will it deliver at 5000 feet?

$$\text{Pressure} = 24.89 / 29.92 \times 2 = 1.66 \text{ psig}$$

Altitude Versus Barometric Pressure

Altitude Feet	Pressure		Altitude Feet	Pressure		Altitude Feet	Pressure	
	In. Hg.	Psia		In. Hg.	Psia		In. Hg.	Psia
0	29.92	14.70	1500	28.33	13.90	7000	23.09	11.34
500	29.38	14.43	2000	27.82	13.67	7500	22.65	11.12
600	29.28	14.38	2500	27.31	13.41	8000	22.22	10.90
700	29.18	14.33	3000	26.81	13.19	8500	21.80	10.70
800	29.07	14.28	3500	26.32	12.92	9000	21.38	10.50
900	28.97	14.23	4000	25.84	12.70	9500	20.98	10.90
1000	28.86	14.18	4500	25.36	12.45	10000	20.58	10.10
1100	28.75	14.09	5000	24.89	12.23			
1200	28.65	14.04	5500	24.43	12.00			
1300	28.54	13.99	6000	23.98	11.77			
1400	28.44	13.94	6500	23.53	11.56			



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TECHNICAL

Airflow Through an Orifice

Pressure

Orifice Diameters - Inches

Pressure " H ₂ O	1/32	1/16	1/8	3/16	1/4	5/16	3/8	7/16	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3
1	0.014	0.054	0.217	0.489	0.869	1.36	1.96	2.66	3.48	7.82	13.9	21.7	31.3	42.6	55.6	70.4	86.9	105	125
2	0.019	0.077	0.307	0.691	1.23	1.92	2.76	3.76	4.92	11.1	19.7	30.7	44.2	60.2	78.6	99.5	123	149	177
3	0.024	0.094	0.376	0.846	1.5	2.35	3.39	4.61	6.02	13.5	24.1	37.6	54.2	73.7	96.3	122	150	182	217
4	0.027	0.109	0.434	0.977	1.74	2.71	3.91	5.32	6.95	15.6	27.8	43.4	62.6	85.1	111	141	174	210	250
5	0.03	0.121	0.486	1.09	1.94	3.04	4.37	5.95	7.77	17.5	31.1	48.6	69.9	95.2	124	157	194	235	280
10	0.043	0.172	0.686	1.54	2.75	4.29	6.18	8.41	11	24.7	43.9	68.6	98.9	135	176	222	275	332	395
15	0.053	0.21	0.84	1.89	3.36	5.25	7.56	10.3	13.4	30.3	53.8	84	121	165	215	272	336	407	484
20	0.061	0.242	0.97	2.18	3.88	6.06	8.73	11.9	15.5	34.9	62.1	97	140	190	248	314	388	469	559
25	0.068	0.271	1.06	2.44	4.34	6.77	9.76	13.3	17.3	39	69.4	108	156	212	277	351	434	525	624
30	0.074	0.297	1.19	2.57	4.75	7.42	10.7	14.5	19	42.7	76	119	171	233	304	385	475	574	684
35	0.08	0.32	1.26	2.88	5.13	8.01	11.5	15.7	20.5	46.1	82	128	185	251	328	415	513	620	738
40	0.086	0.342	1.37	3.08	5.48	8.55	12.3	16.8	21.9	49.3	87.6	137	197	268	351	444	548	663	789
45	0.091	0.363	1.45	3.27	5.81	9.07	13.1	17.8	23.2	52.3	92.9	145	209	285	372	470	581	703	836
50	0.096	0.392	1.53	3.44	6.12	9.56	13.8	18.7	24.5	55.1	97.9	153	220	300	392	496	612	740	881
55	0.1	0.401	1.6	3.61	6.41	10	14.4	19.6	25.7	57.7	103	160	231	314	411	520	641	776	924
60	0.105	0.419	1.67	3.77	6.7	10.5	15.1	20.5	26.8	60.3	107	167	241	328	429	542	670	810	964
65	0.109	0.435	1.74	3.92	6.97	10.9	15.7	21.3	27.9	62.7	111	174	251	341	446	564	697	843	1003
70	0.113	0.452	1.81	4.06	7.23	11.3	16.3	22.1	28.9	65	116	181	260	354	463	585	723	874	1041
75	0.117	0.467	1.87	4.21	7.48	11.7	16.8	22.9	29.9	67.3	120	187	269	366	479	606	748	905	1077
80	0.121	0.482	1.93	4.34	7.72	12.1	17.4	23.6	30.9	69.5	124	193	278	378	494	625	772	934	1112
85	0.124	0.497	1.99	4.47	7.95	12.4	17.9	24.4	31.6	71.5	127	199	285	390	509	644	795	962	1145
90	0.128	0.511	2.04	4.6	8.18	12.8	18.4	25.1	32.7	73.6	131	204	294	401	524	663	818	990	1178
95	0.131	0.525	2.1	4.73	8.4	13.1	18.9	25.7	33.6	75.6	134	210	302	412	538	680	840	1016	1210
100	0.135	0.538	2.15	4.85	8.61	13.5	19.4	26.4	34.5	77.5	138	215	310	422	551	698	861	1042	1241
105	0.138	0.551	2.21	4.96	8.82	13.8	19.9	27	35.3	79.4	141	221	318	432	565	715	882	1068	1271
110	0.141	0.564	2.26	5.08	9.03	14.1	20.3	27.6	36.1	81.2	144	226	325	442	578	731	903	1092	1300

1 psi = 27.68" H₂O

discharge coefficient = 0.65

Air temp.=70 deg.F

Vacuum

Orifice Diameters - Inches

Vacuum " Hg	1/32	1/16	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/4	2-1/2	2-3/4	3
0.5	0.04	0.14	0.56	1.30	2.20	3.50	5.10	6.90	9	14	20	36	56	81	110	144	182	225	272	324
1	0.05	0.20	0.79	1.80	3.10	4.90	7.10	9.60	13	20	28	50	79	113	154	202	255	315	381	453
2	0.07	0.27	1.10	2.50	4.40	6.80	9.80	13.00	17	27	39	70	109	157	214	280	354	437	529	629
3	0.08	0.33	1.30	3.00	5.20	8.20	11.81	16.00	21	33	47	84	131	189	257	336	425	525	635	756
4	0.09	0.37	1.50	3.30	5.90	9.30	13.36	18.00	24	37	53	95	148	214	291	380	481	594	718	855
5	0.10	0.41	1.60	3.70	6.50	10.00	14.62	20.00	26	41	58	104	162	234	318	416	526	650	786	936
6	0.11	0.44	1.70	3.90	7.00	11.00	15.66	21.00	28	44	63	111	174	251	341	446	564	696	842	1002
7	0.11	0.46	1.80	4.10	7.30	11.00	16.53	22.00	29	46	66	118	184	264	360	470	595	735	889	1058
8	0.12	0.48	1.90	4.30	7.70	12.00	17.25	23.00	31	48	69	123	192	276	376	491	621	766	927	1104
9	0.12	0.50	2.00	4.50	7.90	12.00	17.83	24.00	32	50	71	127	198	285	388	507	642	792	959	1141
10	0.13	0.51	2.00	4.60	8.10	13.00	18.29	25.00	33	51	73	130	203	293	398	520	659	813	984	1171
11	0.13	0.52	2.10	4.70	8.30	13.00	18.65	25.00	33	52	76	133	207	298	406	530	671	829	1003	1193
12	0.13	0.52	2.10	4.70	8.40	13.00	18.90	26.00	34	52	76	134	210	302	412	538	680	840	1016	1210
13	0.13	0.53	2.10	4.80	8.50	13.00	19.05	26.00	34	53	76	135	212	305	415	542	686	847	1025	1219
14	0.13	0.53	2.10	4.80	8.50	13.00	19.11	26.00	34	53	76	136	212	306	416	544	688	849	1028	1223
15	0.13	0.53	2.10	4.80	8.50	13.00	19.11	26.00	34	53	76	136	212	306	416	544	688	849	1028	1223

Upstream pressure = 29.92" Hg

Coefficient=0.65

Temperature = 70 deg F

Airflow from 16" Hg to 29.0" Hg is the same as 15" hg