

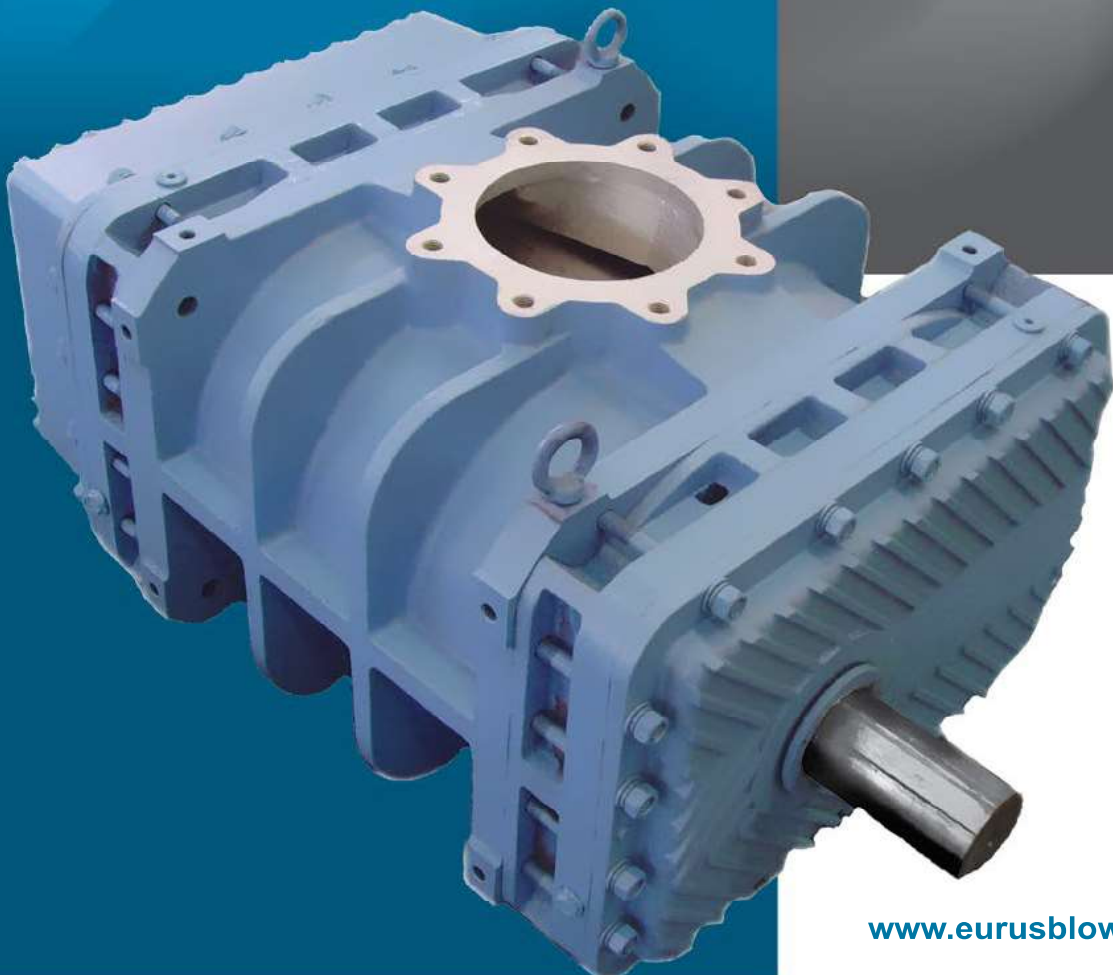


**EurusBlower**

**ZG**

**Series**

**Three-lobe Positive  
Displacement Blower &  
Vacuum Pumps**



[www.eurusblower.com](http://www.eurusblower.com)

**Shandong Zhangqiu Blower Co., Ltd.**

**est. 1968**

**est. 2008**



**EurusBlower**

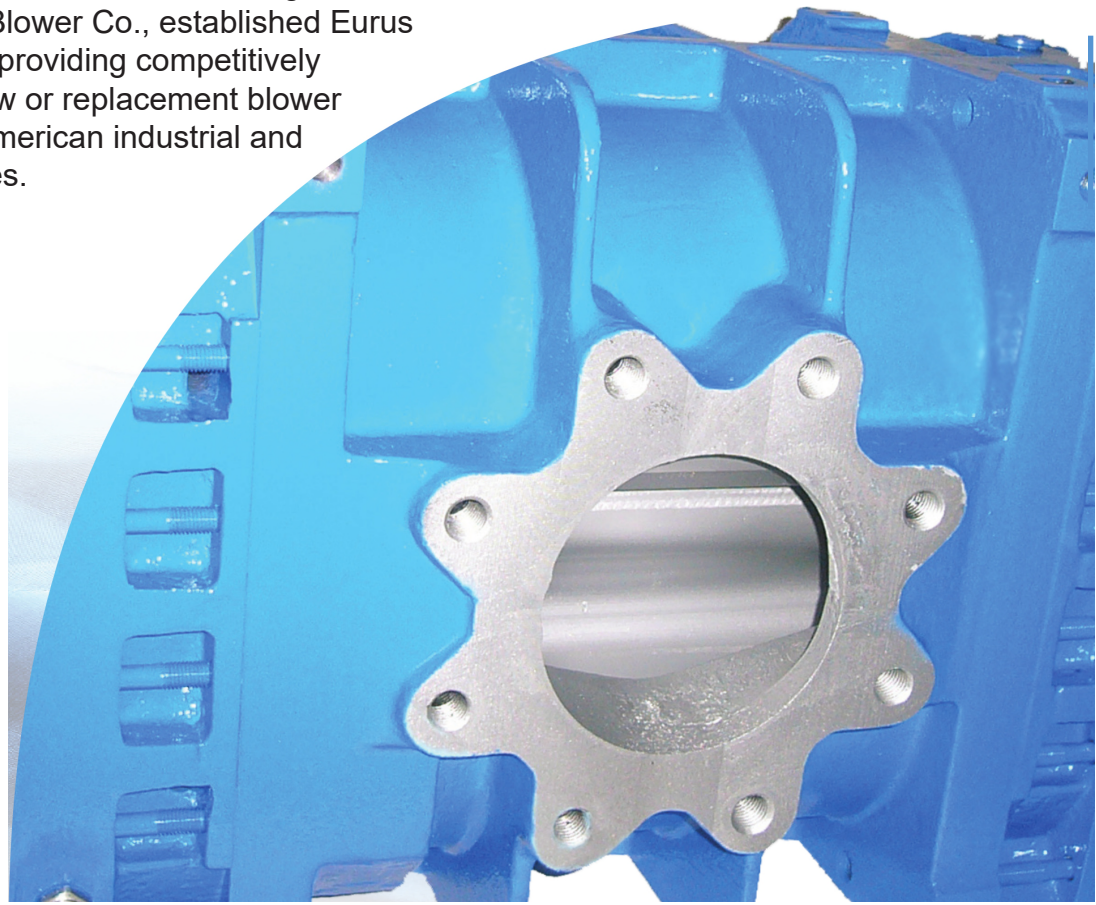
SHANGHAI ZHANGQIU BLOWER CO., LTD.

## **Over 50 Years Experience**

Shandong Zhangqiu Blower Co., Ltd. was founded in 1968 on the principles of providing quality, value and dependability. After 30 years of establishing a solid foundation in China, they began to export their blowers in the late 1990's. The company quickly became known as a leader in blower technology across international markets.

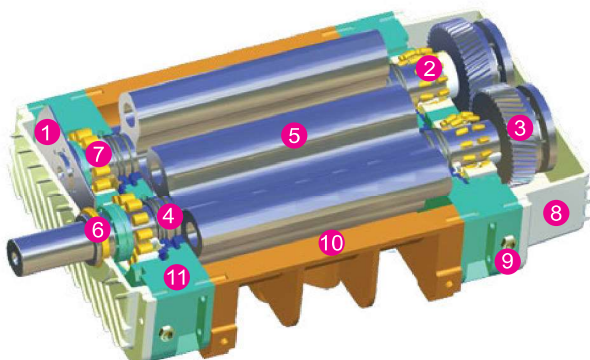
In 2008, with over 40 years of PD blower manufacturing experience, Shandong Zhangqiu Blower Co., established Eurus Blower in the U.S. with a vision of providing competitively priced, high quality blowers for new or replacement blower applications to North and South American industrial and wastewater treatment marketplaces.

- **Quality**
- **Value**
- **Dependability**



## **Eurus Blower: Built For Long Life**

- Heavy duty, oversized bearings designed for longer L10 life in industrial applications.
- Dual-splash aluminum tank design ensures gear and bearing longevity.
- One piece integrated ductile iron rotors and shafts, large shaft diameters, one piece high strength housing, and one piece end plates reduce torsion and vibration.
- Housings are designed for horizontal or vertical mounting configurations.
- Multi-piston ring air and oil seals minimize maintenance costs and ensure delivery without oil and air cross contamination.
- Viton lip oil seals with o-rings prevent oil leakage.
- Wearable shaft sleeves prevent oil leakage past drive shaft and extend shaft life.
- The innovative Tri-Lobe rotor profile and advanced housing design reduce noise and vibration on ZG models.



1. Taper-lock Shaft Mounting
2. Oversized Bearings
3. Precision Helical Timing Gears
4. Multi-piston Ring Oil/Air Seals
5. Ductile Iron Rotor
6. Viton Oil Seals on Wearable Shaft Sleeves
7. Roller Drive Bearing
8. Aluminum Oil Covers
9. Oil Sight Glasses
10. Cast Iron Housing
11. High Strength End Plate



# Pressure Performance

Model	SPEED	Theoretical Capacity CFM	4PSIG		6PSIG		8PSIG		10PSIG		12PSIG		15PSIG	
	RPM		CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
<b>ZG 50</b>	1450	60	26	1.4	19	2.0								
	3000	124	90	3.0	82	4.0	76	5.1	70	6.2	65	7.2		
	4000	165	131	4.2	123	5.6	117	7.1	111	8.5	106	9.9	99	12.1
	5000	206	172	5.3	164	7.1	158	8.9	152	10.7	147	12.5	140	15.2
<b>ZG 65</b>	1450	100	53	2.1	43	3.0	34	3.9						
	3000	208	160	4.5	149	6.4	140	8.2	133	10.0	125	11.8		
	4000	277	229	6.4	218	8.8	209	11.2	201	13.6	194	16.0	185	19.6
	5000	347	298	8.8	287	11.8	278	14.8	270	17.8	263	20.8	254	25.3
<b>ZG 80</b>	1150	147	74	3.5	60	4.8	55	6.1						
	2000	257	184	5.4	170	7.6	165	9.9	152	12.1				
	3000	385	317	9.4	303	12.7	298	16.1	285	19.4	277	22.8	269	27.8
	4000	512	450	14.3	436	18.8	428	23.3	416	27.7	410	32.2	403	38.9
<b>ZG 100</b>	1150	221	120	4.9	99	6.9	91	8.8						
	2000	385	283	7.8	262	11.1	254	14.5	234	17.8	222	21.2		
	3000	579	483	13.3	463	18.3	453	23.3	434	28.4	423	33.4	409	40.9
	4000	770	681	21.5	661	28.2	654	34.8	635	41.6	625	48.3	610	58.3
<b>ZG 125</b>	1150	441	306	9.6	280	13.5	265	17.4	249	21.2				
	2000	770	640	18.3	614	25.0	596	31.7	579	38.5	567	45.2	552	55.3
	2600	999	873	25.1	847	33.9	831	42.6	816	51.4	804	60.1	789	73.2
	3000	1155	1032	29.8	1006	39.9	990	50.0	975	60.1	963	70.2	948	85.3
<b>ZG 150</b>	1150	710	510	15.3	473	21.5	448	27.7	425	33.9	407	40.1		
	2000	1232	1044	29.0	1007	39.8	986	50.6	963	61.3	945	72.1	928	88.2
	2600	1600	1428	40.6	1392	54.5	1370	68.6	1348	82.6	1331	96.5	1313	117.5
	3000	1847	1682	47.8	1651	64.0	1628	80.1	1606	96.3	1589	112.4	1571	136.6
<b>ZG 175</b>	1150	958	745	20.2	697	28.6	656	37.0	621	45.4	588	53.7		
	2000	1667	1453	38.5	1405	53.1	1365	67.6	1329	82.2	1297	96.8		
	2600	2167	1953	52.6	1905	71.5	1865	90.5	1829	109.4	1797	128.3		
	3000	2500	2287	62.4	2239	84.3	2198	106.2	2163	128.0	2130	149.8		
<b>ZG 200</b>	970	1554	1245	30.8	1187	44.4	1143	58.0	1104	71.5	1071	85.1	1038	105.5
	1450	2323	2032	50.3	1972	70.6	1934	90.9	1895	111.1	1863	131.5	1827	162.0
	1750	2804	2520	65.9	2463	90.4	2424	115.0	2386	139.4	2357	164.0	2321	200.8
	2050	3284	3010	84.3	2954	113.0	2918	141.6	2880	170.4	2848	199.0	2816	242.1
<b>ZG 250</b>	970	1981	1628	39.3	1560	56.6	1519	74.0	1481	91.2				
	1450	2959	2628	67.1	2563	93.0	2525	118.8	2485	144.6				
	1750	3566	3252	87.4	3189	118.7	3152	149.8	3113	181.1				
	2050	4202	3877	114.7	3818	151.3	3782	188.0	3742	224.5				
<b>ZG 290</b>	970	3429	2948	68.0	2838	98.0	2746	127.9	2664	157.9	2591	188.0		
	1250	4418	3940	93.8	3831	132.5	3738	171.0	3657	209.7	3583	248.4		
	1450	5124	4650	115.1	4537	160.0	4445	204.8	4363	249.6	4290	294.4		
	1650	5830	5356	141.5	5247	192.4	5154	243.5	5072	294.5				
<b>ZG 300</b>	970	4025	3466	81.7	3340	116.8	3234	151.9	3141	187.1	3056	222.2		
	1250	5186	4628	112.0	4502	157.3	4396	202.5	4303	247.8	4218	293.1		
	1450	6016	5458	138.6	5332	191.1	5226	243.6	5132	296.1				
	1650	6846	6287	167.8	6162	227.6	6056	287.3						

Notes: Pressure ratings based on inlet air at standard pressure of 14.7psia, standard temperature of 68°F, and specific gravity of 1.0

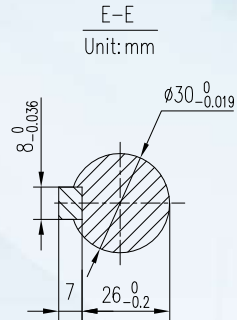
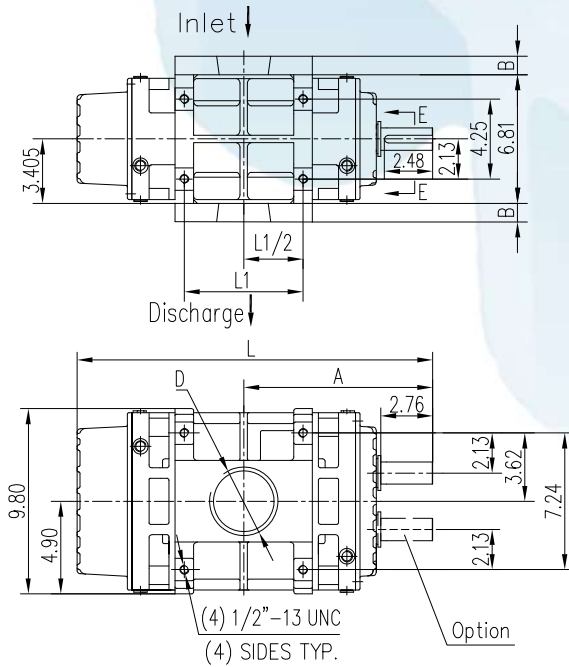
# Vacuum Performance

Model	SPEED	Theoretical Capacity CFM	3" Hg		6" Hg		9" Hg		12" Hg		15" Hg	
	RPM		CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
<b>ZG 50V</b>	1450	60	38	0.8	27	1.2	17	1.6				
	3000	124	102	1.6	91	2.4	81	3.2	70	4.0		
	4000	165	143	2.4	132	3.5	122	4.5	111	5.6	99	6.6
	5000	206	184	3.1	173	4.4	163	5.7	152	7.0	140	8.3
<b>ZG 65V</b>	1450	100	70	1.0	55	1.7	41	2.3				
	3000	208	177	2.3	162	3.6	148	4.9	133	6.3		
	4000	277	246	3.3	231	5.1	217	6.9	202	8.6	185	10.4
	5000	347	314	5.0	299	7.2	285	9.4	271	11.6	254	13.8
<b>ZG 80V</b>	1150	147	100	1.9	78	2.8	58	3.8				
	2000	257	210	2.6	188	4.2	168	5.9	149	7.5		
	3000	385	341	5.2	320	7.6	301	10.1	282	12.6	262	15.0
	4000	512	473	8.7	452	12.0	434	15.2	417	18.5	395	21.8
<b>ZG 100V</b>	1150	221	156	2.5	124	3.9	97	5.3				
	2000	385	319	3.5	287	6.0	260	8.5	231	10.9		
	3000	579	516	6.9	487	10.6	459	14.3	434	18.0	403	21.7
	4000	770	713	13.0	685	17.9	660	22.9	636	27.8	607	32.7
<b>ZG 125V</b>	1150	441	354	4.7	307	7.6	272	10.4	237	13.3		
	2000	770	685	9.8	643	14.7	607	19.7	572	24.6	533	29.6
	2600	999	918	14.1	879	20.5	844	27.0	812	33.4	773	39.8
	3000	1155	1073	17.1	1035	24.5	1003	31.9	971	39.4	932	46.8
<b>ZG 150V</b>	1150	710	573	7.5	513	12.1	456	16.6	403	21.2		
	2000	1232	1109	15.4	1052	23.4	1003	31.3	953	39.3	900	47.1
	2600	1600	1487	22.9	1434	33.2	1388	43.5	1342	53.8	1289	64.1
	3000	1847	1741	27.4	1688	39.3	1645	51.2	1600	63.1	1550	75.0
<b>ZG 175V</b>	1150	958	822	9.7	753	15.8	690	22.0	623	28.2		
	2000	1667	1530	20.1	1462	30.8	1398	41.6	1331	52.3	1255	63.0
	2600	2167	2030	28.7	1962	42.6	1898	56.6	1831	70.5	1755	84.4
	3000	2500	2364	34.9	2295	50.9	2232	67.0	2165	83.1	2089	99.2
<b>ZG 200V</b>	970	1554	1352	13.6	1261	23.6	1176	33.6	1091	43.6		
	1450	2323	2133	24.6	2044	39.6	1963	54.5	1882	69.5	1794	84.4
	1750	2804	2620	35.0	2532	53.0	2454	71.1	2376	89.1	2292	107.2
	2050	3284	3107	48.0	3023	69.1	2948	90.3	2871	111.4	2786	132.5
<b>ZG 250V</b>	970	1981	1748	17.4	1638	30.2	1547	43.0	1455	55.7	1352	68.5
	1450	2959	2737	34.4	2638	53.4	2549	72.5	2461	91.5	2366	110.6
	1750	3566	3362	48.0	3263	71.0	3178	94.0	3093	117.0	3001	140.0
	2050	4202	3983	68.5	3888	95.5	3806	122.4	3725	149.4	3633	176.3
<b>ZG 290V</b>	970	3429	3123	30.2	2966	52.3	2823	74.3	2668	96.4	2497	118.6
	1250	4418	4115	45.0	3959	73.5	3812	101.9	3660	130.3	3483	158.9
	1450	5124	4821	58.5	4665	91.5	4522	124.5	4369	157.5	4195	190.6
	1650	5830	5531	76.9	5375	114.6	5228	152.1	5076	189.7	4905	227.3
<b>ZG 300V</b>	970	4025	3667	37.3	3488	63.2	3322	89.0	3147	114.9	2947	140.8
	1250	5186	4829	54.8	4650	88.2	4483	121.5	4308	154.9	4109	188.2
	1450	6016	5659	72.2	5480	110.9	5313	149.6	5138	188.3	4939	227.0
	1650	6846	6489	92.3	6310	136.3	6143	180.4	5968	224.4	5768	268.4

Notes: Vacuum ratings based on inlet air at standard temperature of 68°F, discharge of 30"Hg and specific gravity of 1.0

## ZG-50, ZG-65 Outline Drawing

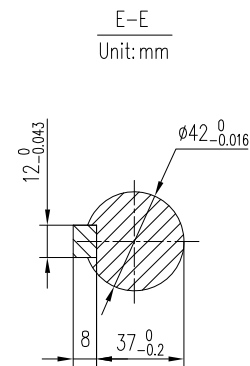
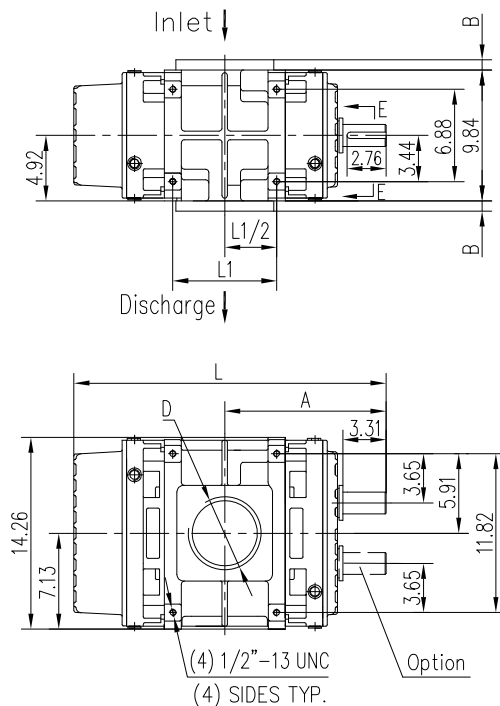
Unit: inch



Type	A	B	L	L1	D	Wt. (lb.)
ZG-50	8.54	0.8	15.91	3.35	NPT2"	106
ZG-65	10.02	1	18.86	6.3	NPT2.5"	138

## ZG-80, ZG-100 Outline Drawing

Unit: inch

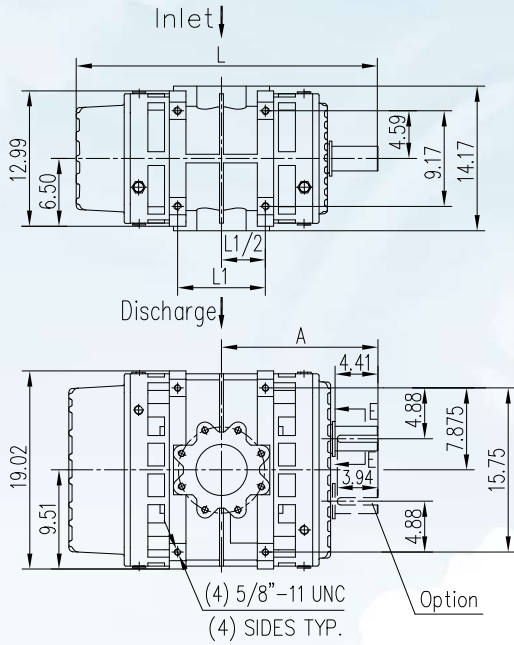


Type	A	B	L	L1	D	Wt. (lb.)
ZG-80	10.49	1.38	20.24	4.72	NPT4"	271
ZG-100	12.01	1.38	23.23	7.74	NPT5"	321

**Three lobe Positive Displacement Blower & Vacuum Pumps**

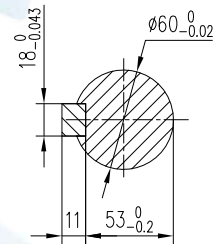
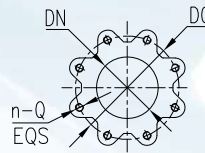
# ZG-125, 150, 175 Outline Drawing

Unit: inch



Inlet and Outlet Flange Size  
ANSI 150lb

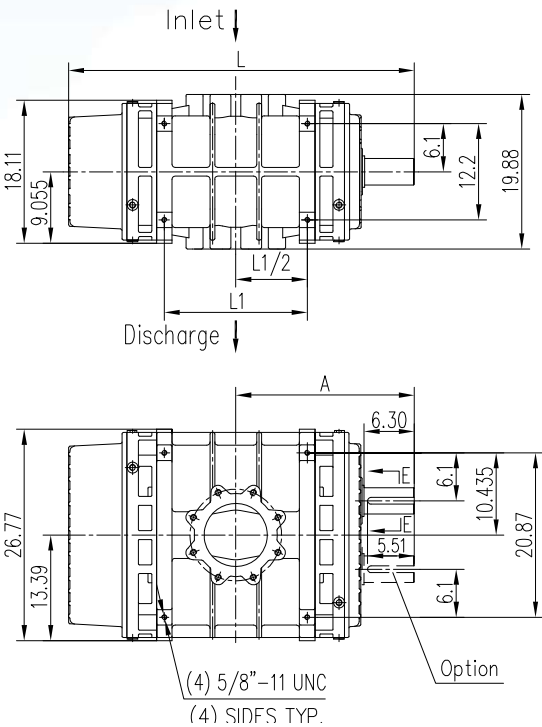
E-E  
Unit: mm



Type	A	L	L1	DN	DO	n-Q	Wt. (lb)
ZG-125	15	28.94	8.43	5"	ø8.5"	8-3/4"-10 UNC	661
ZG-150	17.99	34.92	14.37	6"	ø9.5"	8-3/4"-10 UNC	796
ZG-175	20.83	40.55	20.08	8"	ø11.75"	8-3/4"-10 UNC	893

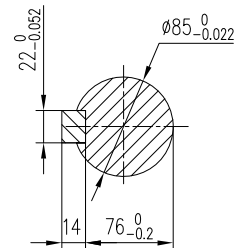
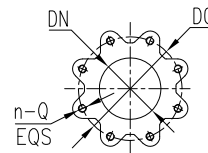
# ZG-200, 250, Outline Drawing

Unit: inch



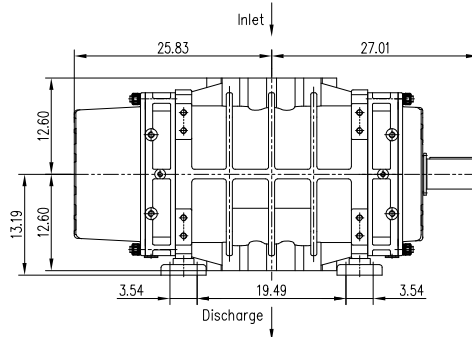
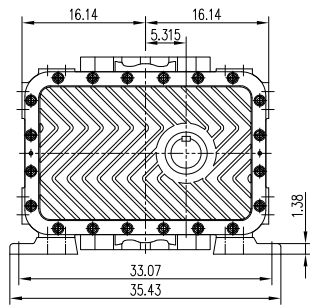
Inlet and Outlet Flange Size  
ANSI 150lb

E-E  
Unit: mm



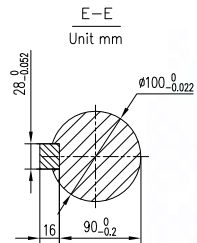
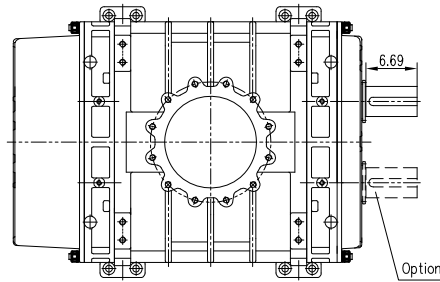
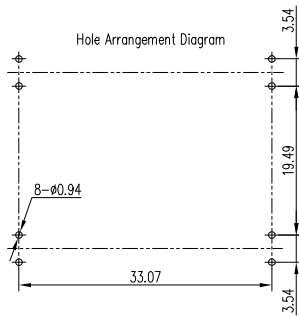
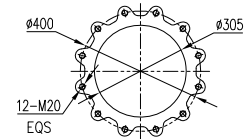
Type	A	L	L1	DN	DO	n-Q	Wt. (lb)
ZG-200	22.62	43.8	18.5	8"	ø11.75"	8-3/4"-10 UNC	1620
ZG-250	25.37	49.31	23.62	10"	ø14.25"	12-7/8"-9 UNC	1907

## ZG-290, Outline Drawing

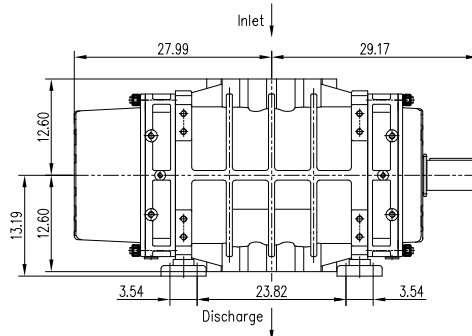
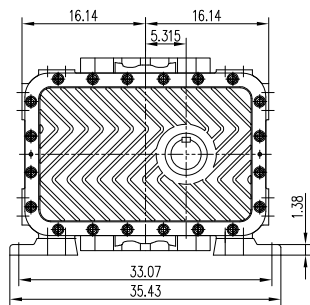


Unit: inch weight: 2976lb

Inlet and Outlet Flange Size  
GB1.0MPa Unit mm

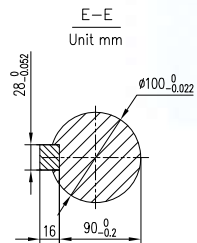
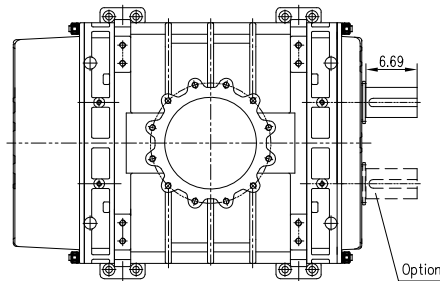
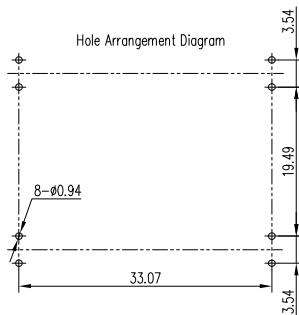
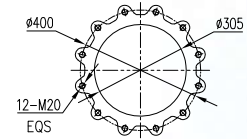


## ZG-300, Outline Drawing



Unit: inch weight: 3219lb

Inlet and Outlet Flange Size  
GB1.0MPa Unit mm







*EurusBlower*

**3701 S. Harvard Ave.  
Suite A, #544  
Tulsa, OK 74135-2282**

**p: (918) 361-0285**

**[www.eurusblower.com](http://www.eurusblower.com)  
[sales@eurusbLOWER.com](mailto:sales@eurusbLOWER.com)**

**ZG210807**