



最具市场竞争力品牌

山东名牌

山东省著名商标

ZMR、ZMH 系列

ZMR、ZMH SERIES COMPACT ROTARY BLOWER

密集型罗茨鼓风机组



└ ZMR、ZMH 系列密集型罗茨鼓风机机组产品简介

由我公司最新研制开发的 ZMR、ZMH 系列密集型罗茨鼓风机组，集罗茨鼓风机、进气消声器（含滤清器）、排气消声器、泄压阀、压力表、止回阀、弹性接头及隔振器于一体，设计新颖、性能优越。其中，ZMR 系列密集型机组的主机采用了引进日本技术的 RR 系列罗茨鼓风机，叶轮为二叶叶型；ZMH 系列密集型机组的主机采用了公司自行开发的具有多项专利技术的 3H 系列罗茨鼓风机，叶轮为三叶叶型。

● 特点：

- ◎ 密集型机组流量、升压覆盖面大，用户可从中选择成本最低、性能最适合的产品。
流量：0.45~100.6m³/min；升压：9.8~98kPa。
- ◎ 噪声低。主机叶轮采用特殊型线，齿轮采用 5 级精度，轴承采用进口轴承，主要零部件均采用数控设备及加工中心加工。因而机组噪声低且运行可靠，使用寿命长。
- ◎ 主机转子动平衡精度高，振动小，噪声低。
- ◎ 气流脉动小，运转平稳。
- ◎ 输送空气清洁，不含任何油质。机壳内部不需油类润滑，且采用了避免润滑油混入机壳内的结构设计。
- ◎ 结构紧凑，体积小，重量轻。
- ◎ 安装极为方便，无需地脚螺栓。

● 用途：

- ◎ 该密集型机组主要应用于污水处理、气力输送、水产养殖、电力、水泥等行业。

Brief introduction for ZMR、ZMH series compact rotary blower

The ZMR/ZMH series compact rotary blower unit was newly developed by our company, rotary blower, inlet silencer(including air filter), outlet silencer, relief valve, pressure gauge, check valve, flexible joint, vibration isolator are integrated, The rotary blower in the ZMR series unit adopts the RR series blower with two lobes which technology is from Japan. The ZMH series compact rotary blower unit adopts the 3H series rotary blower with three lobes which was developed by our company and has several patents.

● Features:

- ◎ A wide range of capacity and pressure is available. Capacity 0.45~100.6m³/min; Pressure 9.8~98kPa.
- ◎ Noise is low. Noise-lowering profile and structure are applied, gear accuracy is the fifth class, bearings are imported, and main parts are NC machined. So, the blower can run for a long time reliably.
- ◎ Low vibration and low noise due to accurate dynamic balance.
- ◎ The air pulsation is low and runs smoothly.
- ◎ The transported air is clean and free of oil and dust. Oil lubrication is not needed in the casing, special structure is designed to prevent the bearing oil and gear oil entering the casing.
- ◎ Simple structure, little outline, light weight.
- ◎ Installation is convenient and not needing anchor bolts.

● Application:

- ◎ Widely used in sewage treatment, pneumatic system, aquatic farming, power, cement, etc fields.

山东章鼓 风机王国

ZMR 系列密集型罗茨鼓风机性能参数表

Performance data table of series ZMR compact rotary blower unit

ZMR1-50 密集型罗茨鼓风机性能参数表

Performance data table of model ZMR1-50 compact rotary blower unit

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	升压 Pressure Rise kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	配套电机 Motor		机组最大 重量 kg Unit Maximum Weight
					型 号 Type	功率 kW Power	
1150	1.57	9.8	1.00	0.6	Y90S-4	1.1	180
		19.6	0.82	0.8	Y90S-4	1.1	
		29.4	0.69	1.1	Y90L-4	1.5	
		39.2	0.57	1.4	Y100L1-4	2.2	
		49	0.45	1.6	Y100L1-4	2.2	
1450	1.98	9.8	1.41	0.7	Y90S-4	1.1	180
		19.6	1.23	1.0	Y90L-4	1.5	
		29.4	1.10	1.4	Y100L1-4	2.2	
		39.2	0.98	1.7	Y100L1-4	2.2	
		49	0.86	2.0	Y100L2-4	3	
1750	2.40	58.8	0.76	2.4	Y100L2-4	3	195
		9.8	1.83	0.8	Y90S-4	1.1	
		19.6	1.65	1.2	Y90L-4	1.5	
		29.4	1.52	1.6	Y100L1-4	2.2	
		39.2	1.40	2.0	Y100L2-4	3	
2000	2.74	49	1.28	2.4	Y100L2-4	3	210
		58.8	1.18	2.8	Y112M-4	4	
		68.6	1.10	3.2	Y112M-4	4	
		9.8	2.17	0.9	Y90S-2	1.5	
		19.6	1.99	1.4	Y90L-2	2.2	
2500	3.42	29.4	1.86	1.8	Y90L-2	2.2	210
		39.2	1.74	2.3	Y100L-2	3	
		49	1.62	2.7	Y112M-2	4	
		58.8	1.52	3.2	Y112M-2	4	
		68.6	1.44	3.7	Y132S1-2	5.5	
3000	4.11	78.4	1.34	4.1	Y132S1-2	5.5	210
		9.8	2.85	1.1	Y90S-2	1.5	
		19.6	2.67	1.7	Y90L-2	2.2	
		29.4	2.54	2.3	Y100L-2	3	
		39.2	2.42	2.8	Y112M-2	4	
3500	4.8	49	2.30	3.4	Y112M-2	4	250
		58.8	2.20	4.0	Y132S1-2	5.5	
		68.6	2.12	4.6	Y132S1-2	5.5	
		78.4	2.02	5.1	Y132S2-2	7.5	
		88.2	1.97	5.7	Y132S2-2	7.5	

ZMR1-65 密集型罗茨鼓风机性能参数表

Performance data table of model ZMR1-65 compact rotary blower unit

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	升压 Pressure Rise kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	配套电机 Motor		机组最大 重量 kg Unit Maximum Weight
					型 号 Type	功率 kW Power	
1150	2.29	9.8	1.49	0.8	Y90S-4	1.1	190
		19.6	1.19	1.2	Y90L-4	1.5	
		29.4	0.98	1.6	Y100L1-4	2.2	
		39.2	0.79	2.0	Y100L2-4	3	
		49	0.64	2.4	Y100L2-4	3	
1450	2.89	9.8	2.09	1.0	Y90L-4	1.5	200
		19.6	1.79	1.5	Y100L1-4	2.2	
		29.4	1.58	2.0	Y100L2-4	3	
		39.2	1.39	2.5	Y100L2-4	3	
		49	1.24	2.9	Y112M-4	4	
1750	3.49	58.8	1.12	3.4	Y112M-4	4	220
		9.8	2.69	1.2	Y90L-4	1.5	
		19.6	2.39	1.8	Y100L1-4	2.2	
		29.4	2.18	2.3	Y100L2-4	3	
		39.2	1.99	2.9	Y112M-4	4	
2000	3.99	49	1.84	3.5	Y112M-4	4	230
		58.8	1.72	4.1	Y132S-4	5.5	
		68.6	1.64	4.6	Y132S-4	5.5	
		9.8	3.19	1.3	Y90S-2	1.5	
		19.6	2.89	2.0	Y100L-2	3	
2500	4.98	29.4	2.68	2.7	Y112M-2	4	230
		39.2	2.49	3.3	Y112M-2	4	
		49	2.34	4.0	Y132S1-2	5.5	
		58.8	2.22	4.7	Y132S1-2	5.5	
		68.6	2.14	5.4	Y132S2-2	7.5	
3000	5.98	78.4	2.04	6.0	Y132S2-2	7.5	230
		9.8	4.18	1.7	Y90L-2	2.2	
		19.6	3.88	2.5	Y100L-2	3	
		29.4	3.67	3.3	Y112M-2	4	
		39.2	3.48	4.2	Y132S1-2	5.5	
3500	6.98	49	3.33	5.0	Y132S2-2	7.5	260
		58.8	3.21	5.8	Y132S2-2	7.5	
		9.8	5.18	2.0	Y100L-2	3	
		19.6	4.88	3.0	Y112M-2	4	
		29.4	4.67	4.0	Y132S1-2	5.5	

注：ZMR1型风机传动方式均采用皮带轮传动。

Note: Belt drive is adopted for model ZMR1.

ZMR 系列密集型罗茨鼓风机性能参数表

Performance data table of series ZMR compact rotary blower unit

ZMR2-80 密集型罗茨鼓风机性能参数表

Performance data table of model ZMR2-80 compact rotary blower unit

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	升压 Pressure Rise kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	配套电机 Motor		机组最大 重量 kg Unit Maximum Weight
					型 号 Type	功率 kW Power	
1150	4.48	9.8	3.18	1.3	Y100L1-4	2.2	380
		19.6	2.83	2.1	Y100L2-4	3	
		29.4	2.53	2.8	Y112M-4	4	
		39.2	2.28	3.5	Y112M-4	4	
		49	2.03	4.3	Y132S-4	5.5	
		58.8	1.83	5.0	Y132M-4	7.5	
1450	5.66	9.8	4.36	1.6	Y100L1-4	2.2	430
		19.6	4.01	2.6	Y100L2-4	3	
		29.4	3.71	3.5	Y112M-4	4	
		39.2	3.46	4.4	Y132S-4	5.5	
		49	3.21	5.4	Y132M-4	7.5	
		58.8	3.01	6.3	Y132M-4	7.5	
1750	6.83	68.6	2.86	7.3	Y160M-4	11	450
		9.8	5.53	2.0	Y100L2-4	3	
		19.6	5.18	3.1	Y112M-4	4	
		29.4	4.88	4.3	Y132S-4	5.5	
		39.2	4.63	5.4	Y132M-4	7.5	
		49	4.38	6.5	Y132M-4	7.5	
2000	7.8	58.8	4.18	7.6	Y160M-4	11	450
		68.6	4.03	8.7	Y160M-4	11	
		78.4	3.88	9.8	Y160L-4	15	
		9.8	6.5	2.3	Y100L2-4	3	
		19.6	6.15	3.6	Y132S-4	5.5	
		29.4	5.85	4.9	Y132M-4	7.5	
2500	9.76	39.2	5.6	6.1	Y132M-4	7.5	460
		49	5.35	7.4	Y160M-4	11	
		58.8	5.15	8.7	Y160M-4	11	
		68.6	5.0	10.0	Y160L-4	15	
		78.4	4.85	11.2	Y160L-4	15	
		88.2	4.7	12.5	Y160L-4	15	
3000	11.71	9.8	8.46	2.8	Y112M-2	4	488
		19.6	8.11	4.4	Y132S1-2	5.5	
		29.4	7.81	6.0	Y132S2-2	7.5	
		39.2	7.56	7.7	Y160M1-2	11	
		49	7.31	9.3	Y160M1-2	11	
		58.8	7.11	10.9	Y160M2-2	15	
		68.6	6.96	12.5	Y160M2-2	15	488
		78.4	6.81	14.2	Y160L-2	18.5	
		9.8	10.57	3.36	Y112M-2	4	
		19.6	10.09	5.28	Y132S2-2	7.5	
		29.4	9.73	7.20	Y160M1-2	11	
		39.2	9.42	9.24	Y160M1-2	11	
		49	9.15	11.2	Y160M2-2	15	488
		58.8	8.90	13.1	Y160M2-2	15	
		68.6	8.67	15.0	Y160L-2	18.5	
		78.4	8.46	17.1	Y180M-2	22	

ZMR2-100 密集型罗茨鼓风机性能参数表

Performance data table of model ZMR2-100 compact rotary blower unit

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	升压 Pressure Rise kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	配套电机 Motor		机组最大 重量 kg Unit Maximum Weight
					型 号 Type	功率 kW Power	
1150	6.33	9.8	4.86	1.8	Y100L1-4	2.2	480
		19.6	4.47	2.9	Y112M-4	4	
		29.4	4.13	3.9	Y132S-4	5.5	
		39.2	3.83	4.9	Y132M-4	7.5	
		49	3.56	6.0	Y132M-4	7.5	
		58.8	3.33	7.0	Y160M-4	11	
1450	7.99	68.6	3.13	8.1	Y160M-4	11	500
		9.8	6.52	2.3	Y100L2-4	3	
		19.6	6.13	3.6	Y132S-4	5.5	
		29.4	5.79	4.9	Y132M-4	7.5	
		39.2	5.49	6.2	Y132M-4	7.5	
		49	5.22	7.5	Y160M-4	11	
1750	9.64	58.8	4.99	8.8	Y160M-4	11	520
		68.6	4.79	10.1	Y160L-4	15	
		9.8	8.17	2.7	Y112M-4	4	
		19.6	7.78	4.3	Y132S-4	5.5	
		29.4	7.44	5.9	Y132M-4	7.5	
		39.2	7.14	7.4	Y160M-4	11	
2000	11.02	49	6.87	9.0	Y160M-4	11	520
		58.8	6.64	10.6	Y160L-4	15	
		68.6	6.44	12.2	Y160L-4	15	
		9.8	9.55	3.0	Y112M-4	4	
		19.6	9.16	4.8	Y132S-4	5.5	
		29.4	8.82	6.6	Y132M-4	7.5	
2500	13.77	39.2	8.52	8.5	Y160M-4	11	530
		49	8.25	10.3	Y160L-4	15	
		58.8	8.02	12.1	Y160L-4	15	
		9.8	12.3	3.8	Y132S1-2	5.5	
		19.6	11.9	6.1	Y132S2-2	7.5	
		29.4	11.6	8.4	Y160M1-2	11	
3000	16.54	39.2	11.3	10.6	Y160M2-2	15	530
		49	11.0	12.9	Y160M2-2	15	
		58.8	10.8	15.2	Y160L-2	18.5	
		9.8	15.39	4.5	Y132S1-2	5.5	
		19.6	14.91	7.2	Y160M1-2	11	
		29.4	14.54	9.9	Y160M1-2	11	
		39.2	14.23	12.6	Y160M2-2	15	530
		49	13.96	15.3	Y160L-2	18.5	

注：ZMR2型风机传动方式均采用皮带轮传动。

Note: Belt drive is adopted for model ZMR2.

ZMH 系列密集型罗茨鼓风机性能参数表

Performance data table of series ZMH compact rotary blower unit

ZMH3-100 密集型罗茨鼓风机性能参数表

Performance data table of model ZMH3-100 compact rotary blower unit

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	升压 Pressure Rise kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	配套电机 Motor		机组最大 重量 kg Unit Maximum Weight
					型 号 Type	功率 kW Power	
970 *	7.88	9.8	6.37	2.58	Y132S-6	3	730
		19.6	5.84	3.71	Y132M2-6	5.5	
		29.4	5.39	4.94	Y132M2-6	5.5	
		39.2	5.03	6.39	Y160M-6	7.5	
		49	4.72	7.62	Y160L-6	11	
		58.8	4.47	8.96	Y160L-6	11	
1150	9.34	68.6	4.16	10.3	Y180L-6	15	740
		9.8	7.84	3.09	Y112M-4	4	
		19.6	7.31	4.43	Y132S-4	5.5	
		29.4	6.87	5.97	Y132M-4	7.5	
		39.2	6.5	7.52	Y160M-4	11	
		49	6.2	9.17	Y160M-4	11	
1450 *	11.77	58.8	5.94	10.6	Y160L-4	15	740
		68.6	5.63	12.3	Y160L-4	15	
		78.4	5.42	13.8	Y180M-4	18.5	
		9.8	10.3	3.61	Y132S-4	5.5	
		19.6	9.78	5.46	Y132M-4	7.5	
		29.4	9.34	7.42	Y160M-4	11	
1750	14.21	39.2	8.98	9.37	Y160M-4	11	820
		49	8.67	11.3	Y160L-4	15	
		58.8	8.41	13.4	Y160L-4	15	
		68.6	8.1	15.3	Y180M-4	18.5	
		78.4	7.9	17.3	Y180L-4	22	
		88.2	7.63	19.4	Y180L-4	22	
2000	16.24	9.8	12.7	4.12	Y132S-4	5.5	870
		19.6	12.2	6.49	Y132M-4	7.5	
		29.4	11.7	8.86	Y160M-4	11	
		39.2	11.4	11.2	Y160L-4	15	
		49	11.1	13.6	Y180M-4	18.5	
		58.8	10.8	16.1	Y180M-4	18.5	
2300	18.9	68.6	10.5	18.4	Y180L-4	22	810
		78.4	10.3	20.8	Y200L-4	30	
		88.2	10.1	23.3	Y200L-4	30	
		98	9.99	25.6	Y200L-4	30	
		9.8	14.8	4.64	Y132S-4	5.5	
		19.6	14.3	7.31	Y160M-4	11	
2300	18.9	29.4	13.8	10.1	Y160L-4	15	870
		39.2	13.4	12.9	Y160L-4	15	
		49	13.1	15.7	Y180M-4	18.5	
		58.8	12.8	18.3	Y180L-4	22	
		68.6	12.5	21.1	Y200L-4	30	
		78.4	12.3	23.9	Y200L-4	30	
2300	18.9	88.2	12.1	26.6	Y200L-4	30	810
		98	12	29.3	Y225S-4	37	
		9.8	17.3	5.2	Y132S2-2	7.5	
		19.6	16.7	8.2	Y160M1-2	11	
		29.4	16.2	11.3	Y160M2-2	15	
		39.2	15.8	14.4	Y160L-2	18.5	
2300	18.9	49	15.4	17.5	Y180M-2	22	810
		58.8	15.0	20.6	Y200L1-2	30	
		68.6	14.7	23.7	Y200L1-2	30	
		78.4	14.5	26.8	Y200L1-2	30	
		88.2	14.2	29.9	Y200L2-2	37	
		98	13.9	31.9	Y200L2-2	37	

ZMH3-125 密集型罗茨鼓风机性能参数表

Performance data table of model ZMH3-125 compact rotary blower unit

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	升压 Pressure Rise kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	配套电机 Motor		机组最大 重量 kg Unit Maximum Weight
					型 号 Type	功率 kW Power	
970 *	11.32	9.8	9.18	2.88	Y132M1-6	4	870
		19.6	8.56	4.74	Y132M2-6	5.5	
		29.4	8.05	6.7	Y160M-6	7.5	
		39.2	7.59	8.65	Y160L-6	11	
		49	7.23	10.5	Y180L-6	15	
		58.8	6.87	12.5	Y180L-6	15	
1150	13.42	68.6	6.53	14.4	Y200L1-6	18.5	900
		78.4	6.25	16.3	Y200L1-6	18.5	
		9.8	11.3	3.4	Y112M-4	4	
		19.6	10.7	5.67	Y132M-4	7.5	
		29.4	10.1	7.93	Y160M-4	11	
		39.2	9.72	10.2	Y160L-4	15	
1450 *	16.93	49	9.36	12.5	Y160L-4	15	940
		58.8	9	14.8	Y180M-4	18.5	
		68.6	8.69	17.1	Y180L-4	22	
		78.4	8.38	19.4	Y180L-4	22	
		88.2	8.12	21.6	Y200L-4	30	
		9.8	14.8	4.33	Y132S-4	5.5	
1750	20.43	19.6	14.2	7.11	Y160M-4	11	1050
		29.4	13.6	10	Y160L-4	15	
		39.2	13.2	12.9	Y160L-4	15	
		49	12.8	15.8	Y180M-4	18.5	
		58.8	12.5	18.6	Y180L-4	22	
		68.6	12.2	21.5	Y200L-4	30	
2000	23.35	78.4	11.9	24.4	Y200L-4	30	1070
		88.2	11.6	27.3	Y225S-4	37	
		98	11.4	30.2	Y225S-4	37	
		9.8	18.4	5.15	Y132M-4	7.5	
		19.6	17.8	8.65	Y160M-4	11	
		29.4	17.3	12.1	Y160L-4	15	
2300	27.17	39.2	16.7	15.6	Y180M-4	18.5	1055
		49	16.4	19.1	Y180L-4	22	
		58.8	16	22.5	Y200L-4	30	
		68.6	15.7	26	Y200L-4	30	
		78.4	15.4	29.5	Y225S-4	37	
		88.2	15.1	32.9	Y225S-4	37	
2300	27.17	9.8	21.3	5.87	Y132M-4	7.5	1055
		19.6	20.7	9.79	Y160M-4	11	
		29.4	20.1	13.8	Y180M-4	18.5	
		39.2	19.7	17.7	Y180L-4	22	
		49	19.3	21.7	Y200L-4	30	
		58.8	19	25.6	Y200L-4	30	
2300	27.17	68.6	18.7	29.7	Y225S-4	37	1055
		78.4	18.4	33.6	Y225S-4	37	
		88.2	18.1	37.6	Y225M-4	45	
		9.8	25.2	6.5	Y132S2-2	7.5	
		19.6	24.4	10.9	Y160M2-2	15	
		29.4	23.8	15.4	Y160L-2	18.5	
2300	27.17	39.2	23.3	19.8	Y180M-2	22	1055
		49	22.9	24.2	Y200L1-2	30	
		58.8	22.5	28.7	Y200L2-2	37	
		68.6	22.0	33.2	Y200L2-2	37	
		78.4	21.7	37.6	Y225M-2	45	
		88.2	21.4	42.0	Y250M-2	55	

注：* 所示转速的密集型罗茨鼓风机采用联轴器传动，其余采用皮带轮传动。

Note: Direct drive is adopted for model marked with "*", Belt drive for others.

ZMH 系列密集型罗茨鼓风机性能参数表

Performance data table of series ZMH compact rotary blower unit

ZMH3-150 密集型罗茨鼓风机性能参数表

Performance data table of model ZMH3-150 compact rotary blower unit

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	升压 Pressure Rise kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	配套电机 Motor		机组最大 重量 kg Unit Maximum Weight
					型 号 Type	功率W Power	
970 *	21.17	9.8	17.7	5.36	Y160M-6	7.5	1250
		19.6	16.5	8.96	Y160L-6	11	
		29.4	15.6	12.6	Y180L-6	15	
		39.2	14.9	16.2	Y200L1-6	18.5	
		49	14.2	19.8	Y225M-6	30	
		58.8	13.5	23.4	Y225M-6	30	
		68.6	13	27	Y225M-6	30	
1150	25.1	9.8	21.7	6.18	Y132M-4	7.5	1110
		19.6	20.6	10.5	Y160L-4	15	
		29.4	19.6	14.8	Y180M-4	18.5	
		39.2	18.9	19.1	Y180L-4	22	
		49	18.2	23.4	Y200L-4	30	
		58.8	17.5	27.6	Y225S-4	37	
1450 *	31.65	9.8	28.3	7.73	Y160M-4	11	1250
		19.6	27.1	13.1	Y160L-4	15	
		29.4	26.2	18.5	Y180L-4	22	
		39.2	25.5	23.9	Y200L-4	30	
		49	24.8	29.4	Y225S-4	37	
		58.8	24.2	34.7	Y225M-4	45	
		68.6	23.6	40.2	Y225M-4	45	
1750	38.2	9.8	34.9	9.27	Y160M-4	11	1270
		19.6	33.7	15.8	Y180M-4	18.5	
		29.4	32.8	22.2	Y200L-4	30	
		39.2	32.1	28.8	Y225S-4	37	
		49	31.4	35.3	Y225M-4	45	
		58.8	30.7	41.8	Y250M-4	55	
2000	43.66	9.8	40.4	10.5	Y160L-4	15	1270
		19.6	39.3	18	Y180L-4	22	
		29.4	38.4	25.4	Y200L-4	30	
		39.2	37.6	32.9	Y225S-4	37	
		49	36.9	40.3	Y225M-4	45	
		58.8	36.3	47.8	Y250M-4	55	

ZMH4-150 密集型罗茨鼓风机性能参数表

Performance data table of model ZMH4-150 compact rotary blower unit

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	升压 Pressure Rise kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	配套电机 Motor		机组最大 重量 kg Unit Maximum Weight
					型 号 Type	功率kW Power	
730 *	27.79	9.8	22.9	7	Y180L-8	11	2230
		19.6	21.6	11.4	Y200L-8	15	
		29.4	20.6	16	Y225S-8	18.5	
		39.2	19.9	20.5	Y250M-8	30	
		49	19	25	Y250M-8	30	
		58.8	18.3	30.1	Y280S-8	37	
		68.6	17.7	34.1	Y280M-8	45	
		78.4	17.2	39	Y280M-8	45	
970 *	36.93	88.2	16.9	43.6	Y315S-8	55	2250
		9.8	31.9	8.8	Y160L-6	11	
		19.6	30.7	14.9	Y200L1-6	18.5	
		29.4	29.7	21.1	Y225M-6	30	
		39.2	28.8	27.3	Y225M-6	30	
		49	28	33.5	Y250M-6	37	
		58.8	27.4	39.7	Y280S-6	45	
		68.6	26.8	45.3	Y280M-6	55	
1170	44.54	78.4	26.3	51.5	Y315S-6	75	2000
		88.2	25.9	57.7	Y315S-6	75	
		98	25.4	63.9	Y315S-6	75	
		9.8	39.6	10.3	Y160L-4	15	
		19.6	38.3	18	Y180L-4	22	
		29.4	37.3	25.2	Y225S-4	37	
		39.2	36.5	33	Y225M-4	45	
		49	35.6	40.2	Y225M-4	45	
1250	47.59	58.8	35	47.4	Y250M-4	55	2000
		68.6	34.4	54.6	Y280S-4	75	
		78.4	33.9	62.3	Y280S-4	75	
		88.2	33.5	69.5	Y280M-4	90	
		98	33.1	77.3	Y280M-4	90	
		9.8	42.5	11.3	Y160L-4	15	
		19.6	41.3	19.1	Y180L-4	22	
		29.4	40.3	27.3	Y225S-4	37	
1350	51.39	39.2	39.4	35	Y225M-4	45	2000
		49	38.6	42.7	Y250M-4	55	
		58.8	38	51	Y280S-4	75	
		68.6	36.4	58.7	Y280S-4	75	
		78.4	35.8	66.4	Y280S-4	75	
		88.2	35.4	74.2	Y280M-4	90	
		98	35	82.4	Y315S-4	110	
		9.8	46.4	12.4	Y160L-4	15	
1450 *	54.92	19.6	45.1	20.6	Y200L-4	30	2320
		29.4	44.1	29.4	Y225S-4	37	
		39.2	43.3	37.6	Y225M-4	45	
		49	42.4	46.4	Y250M-4	55	
		58.8	41.8	54.6	Y280S-4	75	
		68.6	41.2	63.3	Y280S-4	75	
		78.4	40.7	71.6	Y280M-4	90	
		88.2	40.3	80.3	Y280M-4	90	
		9.8	51.2	13.4	Y160L-4	15	
		19.6	49.8	22.4	Y200L-4	30	
		29.4	48.6	31.3	Y225S-4	37	
		39.2	47.7	40.2	Y225M-4	45	
		49	46.9	49.1	Y250M-4	55	
		58.8	46.1	58.1	Y280S-4	75	
		68.6	45.4	67.1	Y280S-4	75	
		78.4	44.8	76.0	Y280M-4	90	
		88.2	44.2	84.9	Y315S-4	110	
		98	43.6	93.8	Y315S-4	110	

注：* 所示转速的密集型罗茨鼓风机采用联轴器传动，其余采用皮带轮传动。

Note: Direct drive is adopted for model marked with "*", Belt drive for others.

ZMH 系列密集型罗茨鼓风机性能参数表

Performance data table of series ZMH compact rotary blower unit

ZMH4-200 密集型罗茨鼓风机性能参数表

Performance data table of model ZMH4-200 compact rotary blower unit

转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	升压 Pressure Rise kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	配套电机 Motor		机组最大 重量 kg Unit Maximum Weight
					型 号 Type	功率 kW Power	
730 *	42.47	9.8	36.5	10	Y180L-8	11	2680
		19.6	34.9	17	Y225M-8	22	
		29.4	33.6	24	Y250M-8	30	
		39.2	32.2	31	Y280S-8	37	
		49	31.3	38.1	Y280M-8	45	
		58.8	30.3	45.1	Y315S-8	55	
		68.6	29.4	52.1	Y315M-8	75	
		78.4	28.4	59.1	Y315M-8	75	
970 *	56.42	9.8	50.4	13.4	Y180L-6	15	2740
		19.6	48.7	22.7	Y225M-6	30	
		29.4	47.4	31.9	Y250M-6	37	
		39.2	46.1	41.2	Y280M-6	55	
		49	45.1	50.5	Y315S-6	75	
		58.8	44.1	59.9	Y315S-6	75	
		68.6	43.2	69.2	Y315M-6	90	
		78.4	42.3	78.5	Y315M-6	90	
1170	68.05	9.8	61.9	15.5	Y180M-4	18.5	2350
		19.6	60.3	26.8	Y200L-4	30	
		29.4	58.9	38.1	Y225M-4	45	
		39.2	57.7	49.4	Y250M-4	55	
		49	56.7	60.8	Y280S-4	75	
		58.8	55.6	72.1	Y280M-4	90	
		68.6	54.7	82.9	Y315S-4	110	
1250	72.7	9.8	66.5	16.5	Y180M-4	18.5	2350
		19.6	64.9	28.3	Y225S-4	37	
		29.4	63.6	40.2	Y225M-4	45	
		39.2	62.3	52.5	Y280S-4	75	
		49	61.3	64.9	Y280S-4	75	
		58.8	60.3	76.7	Y280M-4	90	
		68.6	59.3	88.6	Y315S-4	110	
1350	78.52	9.8	72.2	17.5	Y180L-4	22	2350
		19.6	70.6	30.9	Y225S-4	37	
		29.4	69.2	43.3	Y250M-4	55	
		39.2	68	56.7	Y280S-4	75	
		49	67	70	Y280M-4	90	
		58.8	66	82.4	Y315S-4	110	
		78.4	66	82.4	Y315S-4	110	
1450 *	83.91	9.8	79.0	18.8	Y180L-4	22	2823
		19.6	77.0	32.3	Y225S-4	37	
		29.4	75.6	46.0	Y250M-4	55	
		39.2	74.4	59.7	Y280S-4	75	
		49	73.3	73.3	Y280M-4	90	
		58.8	72.3	87.0	Y315S-4	110	
		68.6	71.4	100.7	Y315S-4	110	
		78.4	70.6	114.4	Y315M-4	132	

ZMH4-250 密集型罗茨鼓风机性能参数表

Performance data table of model ZMH4-250 compact rotary blower unit

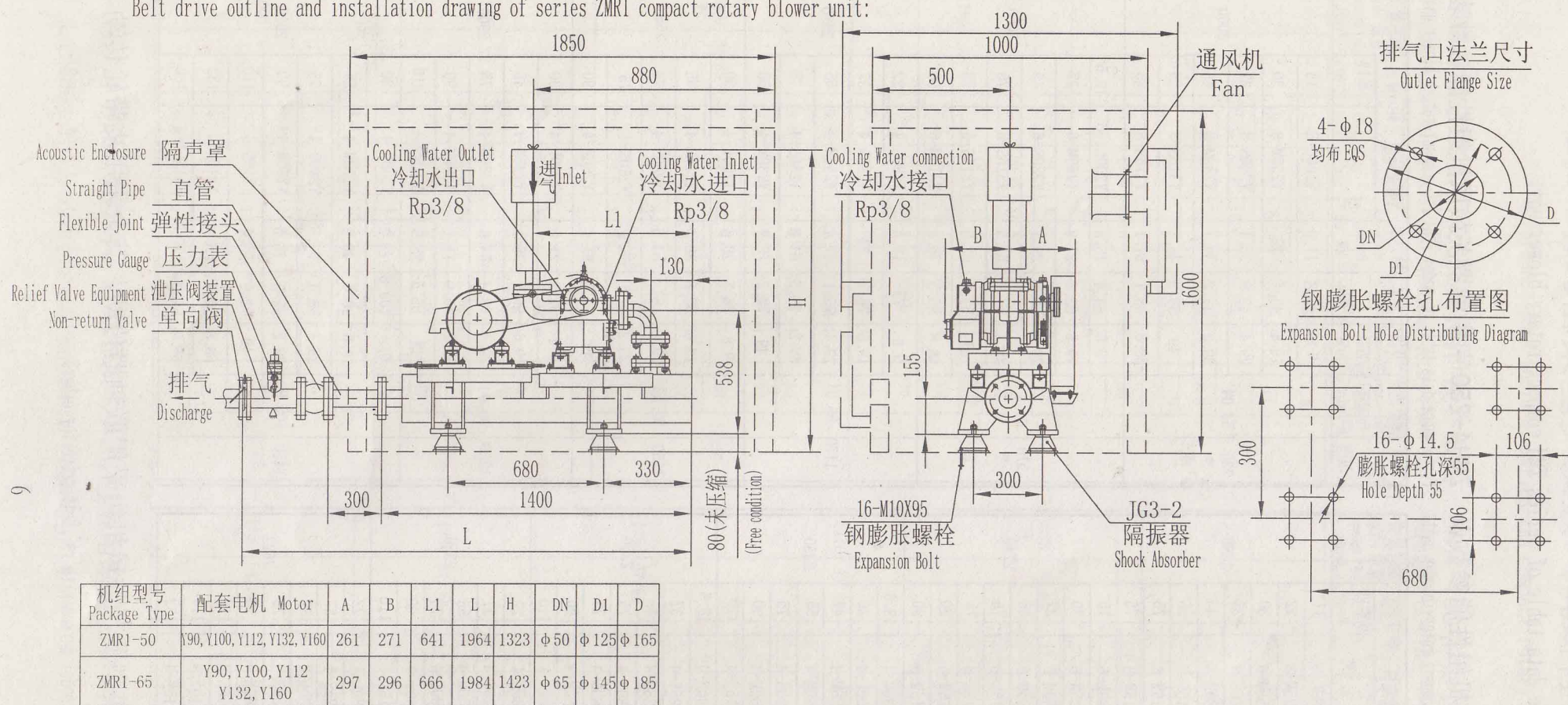
转速 Rotary Speed r/min	理论流量 Theoretical Capacity m ³ /min	升压 Pressure Rise kPa	流量 Capacity m ³ /min	轴功率 Shaft Power kW	配套电机 Motor		机组最大 重量 kg Unit Maximum Weight
					型 号 Type	功率 kW Power	
730 *	54.04	9.8	46.8	11.9	Y200L-8	15	3000
		19.6	44.7	21	Y250M-8	30	
		29.4	42.8	30.1	Y280S-8	37	
		39.2	41.2	39.1	Y280M-8	45	
		49	39.9	48.1	Y315S-8	55	
		58.8	38.7	57.1	Y315M-8	75	
		78.4	38.7	57.1	Y315M-8	75	
		78.4	38.7	57.1	Y315M-8	75	
970 *	71.8	9.8	64.4	15.5	Y200L1-6	18.5	3060
		19.6	62.3	27.8	Y250M-6	37	
		29.4	60.1	39.1	Y280S-6	45	
		39.2	58.9	51.5	Y315S-6	75	
		49	57.6	63.9	Y315S-6	75	
		58.8	56.3	75.2	Y315M-6	90	
		78.4	56.3	75.2	Y315M-6	90	
		78.4	56.3	75.2	Y315M-6	90	
1170	86.61	9.8	79	18.5	Y180L-4	22	2650
		19.6	76.9	33	Y225S-4	37	
		29.4	75.1	47.4	Y250M-4	55	
		39.2	73.5	61.8	Y280S-4	75	
		49	72.2	76.2	Y280M-4	90	
		78.4	72.2	76.2	Y280M-4	90	
1250	92.53	9.8	86.7	20.6	Y200L-4	30	2650
		19.6	82.8	36.1	Y225M-4	45	
		29.4	81	51.5	Y280S-4	75	
		39.2	79.4	65.9	Y280S-4	75	
		49	78.1	81.4	Y280M-4	90	
		78.4	78.1	81.4	Y280M-4	90	
1350	99.94	9.8	92.3	21.6	Y200L-4	30	2900
		19.6	90.2	38.1	Y225M-4	45	
		29.4	88.4	54.6	Y280S-4	75	
		39.2	86.9	71.1	Y280M-4	90	
		49	85.5	88.6	Y315S-4	110	
		78.4	85.5	88.6	Y315S-4	110	
1450 *	106.8	9.8	100.6	23.2	Y200L-4	30	2920
		19.6	98.4	40.5	Y250M-4	55	
		29.4	96.5	57.9	Y280S-4	75	
		39.2	95.0	75.3	Y280M-4	90	
		49	93.6	92.7	Y315S-4	110	
		58.8	92.4	110.1	Y315M-4	132	
		68.6	91.3	127.5	Y315L1-4	160	
		78.4	91.3	127.5	Y315L1-4	160	

注：* 所示转速的密集型罗茨鼓风机采用联轴器传动，其余采用皮带轮传动。

Note: Direct drive is adopted for model marked with "*", Belt drive for others.

ZMR1 密集型罗茨鼓风机皮带轮传动外形安装图:

Belt drive outline and installation drawing of series ZMR1 compact rotary blower unit:

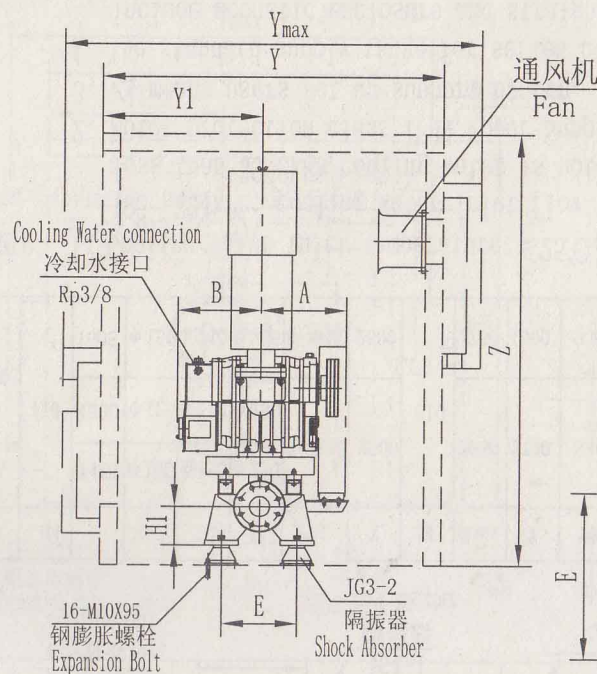
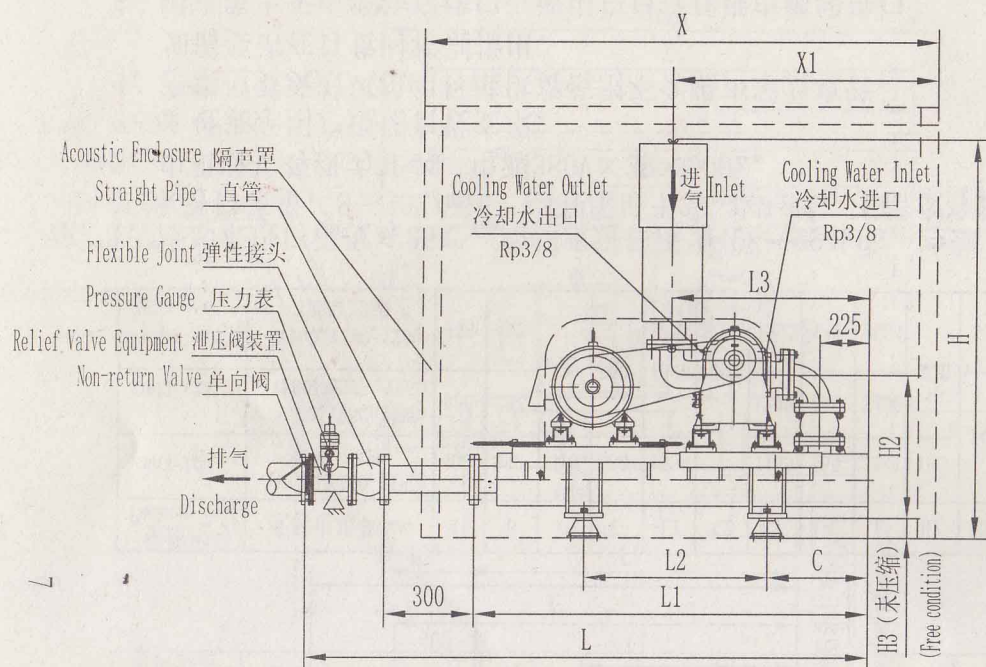


- 注: 1、冷却水进口温度 $\leq 25^{\circ}\text{C}$, 冷却水进口压力196~294kPa, 冷却水进口流量: 5~8L/min; 当升压低于49kPa时, 不需水冷却。
2、电机防护等级为IP44, 电源380V $\times$ 3P $\times$ 50Hz。
3、△处表示用户现场自设支承。
4、密集型罗茨鼓风机标准供货范围不含隔声罩及直管, 如需要请在订货时特别指出。
5、隔声罩上无电缆线穿线口, 请用户自行预埋电缆线进口。

- Note: 1、Cooling water inlet temperature: $\leq 25^{\circ}\text{C}$; cooling water inlet pressure: 196~294kPa; cooling water inlet flow :5~8L/min. If pressure rise is less than 49kPa, cooling water is not needed.
2、Motor protection class IP44, Power Supply 380V $\times$ 3P $\times$ 50Hz.
3、△ means users set up support by own.
4、The standard supply range for series compact rotary blower unit doesn't include acoustic enclosure and straight pipe. If needed, please indicate especially when order.
5、There is no hole for cable on acoustic enclosure, Please preplan by client.

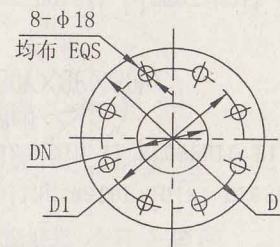
ZMR2 密集型罗茨鼓风机组皮带轮传动外形安装图:

Belt drive outline and installation drawing of series ZMR2 compact rotary blower unit:



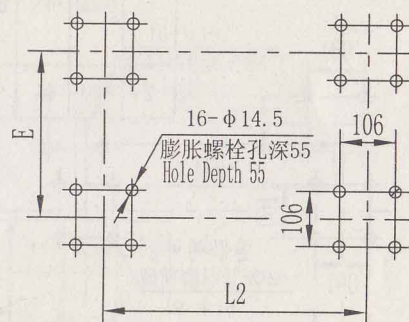
排气口法兰尺寸

Outlet Flange Size



钢膨胀螺栓孔布置图

Expansion Bolt Hole Distributing Diagram



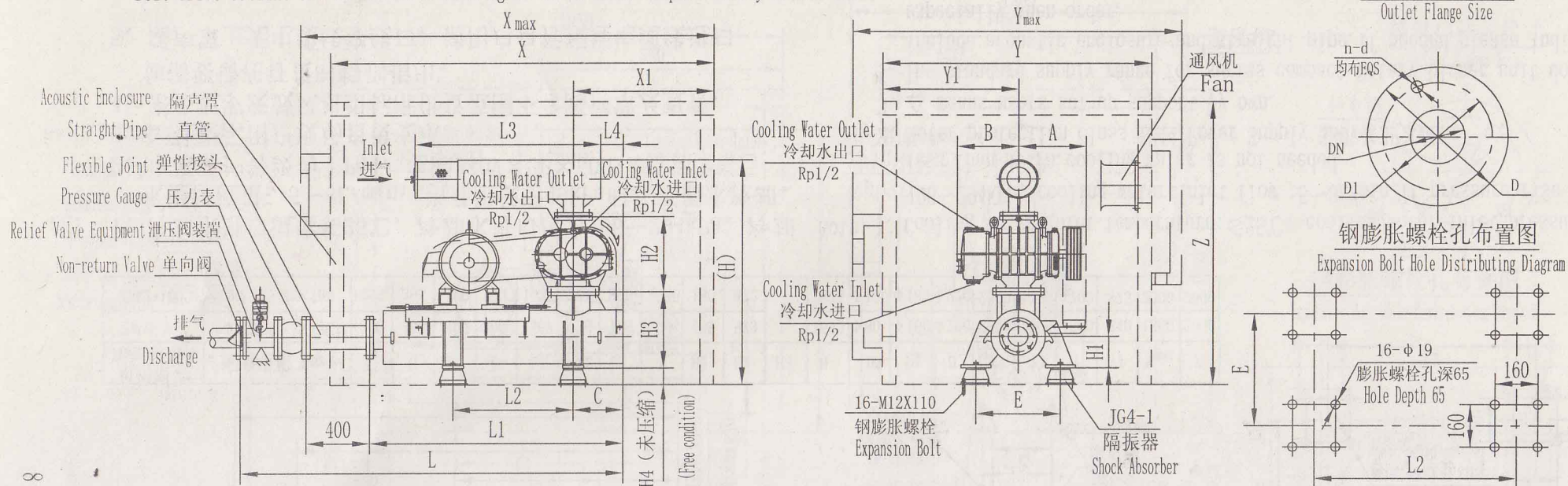
机组型号 Package Type	配套电机 Motor	A	B	C	E	L1	L2	L3	L	H1	H2	H3	H	DN	D1	D	X	X1	Y	Y1	Ymax	Z
ZMR2-80	Y100, Y112, Y132, Y160, Y180	340	360	400	300	1567	730	785	2201	155	573	80	1593	φ 80	φ 160	φ 200	2200	1165	1560	840	1860	2000
ZMR2-100	Y100, Y112, Y132, Y160	435	395	470	350	1687	770	865	2336	180	672		1875	φ 100	φ 180	φ 220	2300	1250	1700	875	2000	2000

- 注: 1、冷却水进口温度 $\leq 25^{\circ}\text{C}$, 冷却水进口压力196~294kPa, 冷却水进口流量: 5~8L/min; 当升压低于49kPa时, 不需水冷却。
2、电机防护等级为IP44, 电源380V $\times$ 3P $\times$ 50Hz。
3、 $\triangle$ 处表示用户现场自设支承。
4、密集型罗茨鼓风机组标准供货范围不含隔声罩及直管, 如需要请在订货时特别指出。
5、隔声罩上无电缆线穿线口, 请用户自行预埋电缆线进口。

- Note: 1、Cooling water inlet temperature: $\leq 25^{\circ}\text{C}$; cooling water inlet pressure: 196~294KPa; cooling water inlet flow :5~8L/min. If pressure rise is less than 49kPa, cooling water is not needed.
2、Motor protection class IP44, Power Supply 380V $\times$ 3P $\times$ 50Hz.
3、 $\triangle$ means users set up support by own.
4、The standard supply range for series compact rotary blower unit doesn't include acoustic enclosure and straight pipe. if needed, please indicate especially when order.
5、There is no hole for cable on acoustic enclosure, Please preplan by client.

ZMH3 密集型罗茨鼓风机组皮带轮传动外形安装图:

Belt drive outline and installation drawing of series ZMH3 compact rotary blower unit:



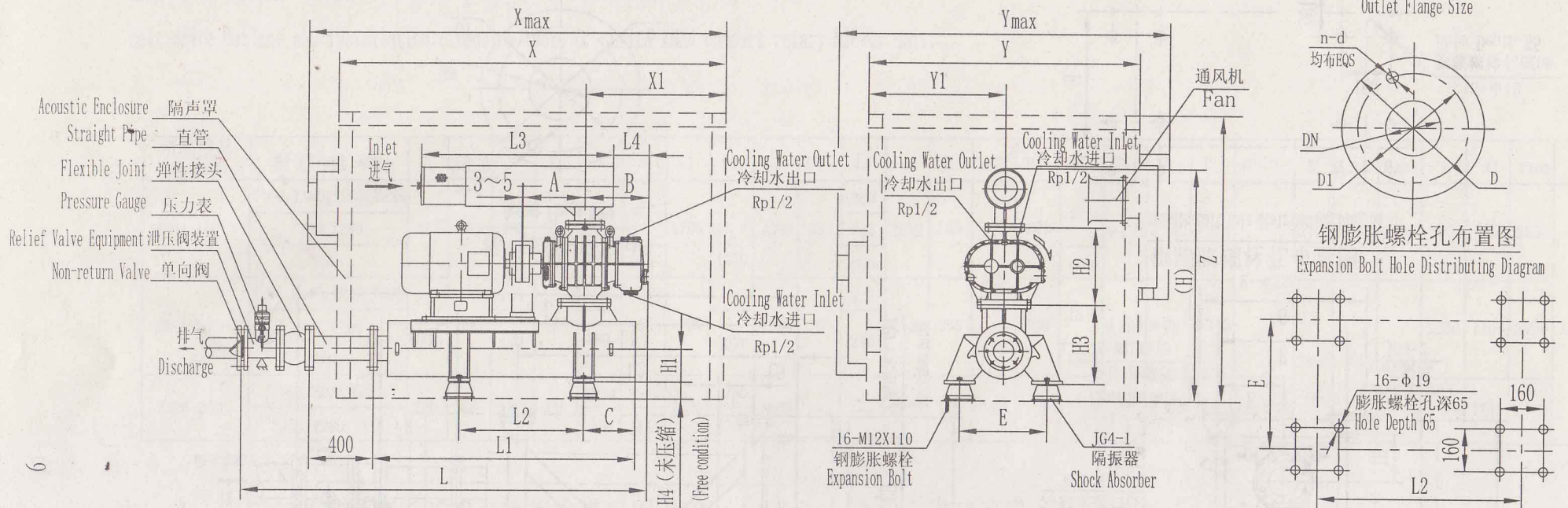
机组型号 Package Type	配套电机 Motor	A	B	C	E	L ₁	L ₂	L ₃	L ₄	L	H ₁	H ₂	H ₃	H ₄	H	DN	D ₁	D	n-d	X	X ₁	X _{max}	Y	Y ₁	Y _{max}	Z
ZMH3-100	Y132, Y160, Y180 Y200, Y225	400	362	310	530	1535		1145	155	2284	185		415			1415	φ 100	φ 180	φ 220	8-φ 18	2500		2650	1700	830	2000
ZMH3-125	Y132, Y160, Y180 Y200, Y225, Y250	450	397					1240	150	2466						1500	φ 125	φ 210	φ 250			810				1800
ZMH3-150	Y160, Y180, Y200 Y225, Y250	565	497	330	560	1680	800	1390	148	2504	210		510			1605	φ 150	φ 240	φ 285	8-φ 22	2600		2750	1900	935	2200

- 注: 1、冷却水进口温度 $\leq 25^{\circ}\text{C}$, 冷却水进口压力196~294kPa, 冷却水进口流量: 8~10L/min; 当升压低于39.2kPa时, 不需水冷却。
2、电机防护等级为IP44, 电源380V $\times$ 3P $\times$ 50Hz。
3、△处表示用户现场自设支承。
4、密集型罗茨鼓风机组标准供货范围不含隔声罩及直管, 如需要请在订货时特别指出。
5、隔声罩上无电缆线穿线口, 请用户自行预埋电缆线进口。

- Note: 1、Cooling water inlet temperature: $\leq 25^{\circ}\text{C}$; cooling water inlet pressure: 196~294kPa; cooling water inlet flow :8~10L/min. If pressure rise is less than 39.2kPa, cooling water is not needed.
2、Motor protection class IP44, Power Supply 380V $\times$ 3P $\times$ 50Hz.
3、△ means users set up support by own.
4、The standard supply range for series compact rotary blower unit doesn't include acoustic enclosure and straight pipe. If needed, please indicate especially when order.
5、There is no hole for cable on acoustic enclosure, Please preplan by client.

ZMH3 密集型罗茨鼓风机组联轴器传动外形安装图:

Direct drive outline and installation drawing of series ZMH3 compact rotary blower unit:



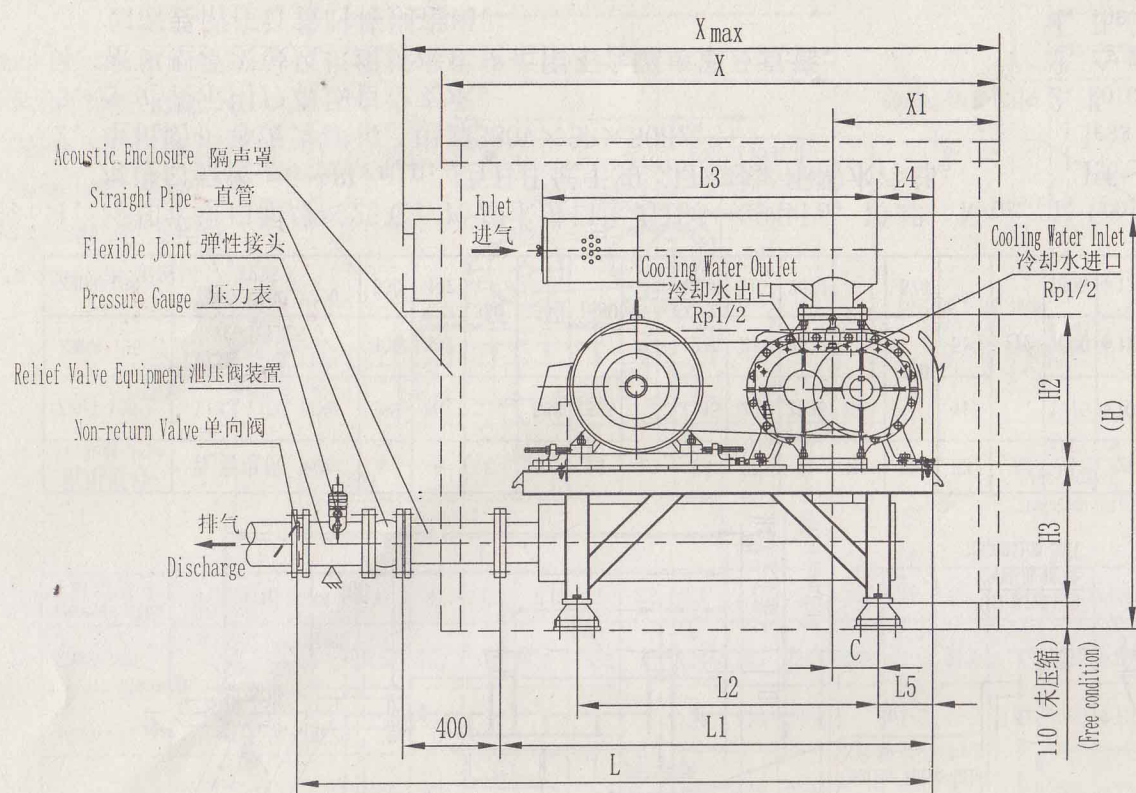
机组型号 Package Type	配套电机 Motor	A	B	C	E	L1	L2	L3	L4	L	H1	H2	H3	H4	H	DN	D1	D	n-d	X	X1	X _{max}	Y	Y1	Y _{max}	Z
ZMH3-100	Y132, Y160, Y180	365	362	310	530	1535	800	1145	207	2336	185	500	415	110	1415	φ 100	φ 180	φ 220	8- φ 18	2450	790	2600	1600	800	1900	1800
ZMH3-125	Y132, Y160, Y180 Y200, Y225	400	397	330	560	1680		1240	217	2533	210		510		1500	φ 125	φ 210	φ 250		2600	810	2750				
ZMH3-150	Y160, Y180, Y200 Y225	530	497					1390	315	2671			575		1605	φ 150	φ 240	φ 285		8- φ 22	2700	2850				

- 注: 1、冷却水进口温度 $\leq 25^{\circ}\text{C}$, 冷却水进口压力196~294kPa, 冷却水进口流量: 5~8L/min; 当升压低于39.2kPa时, 不需水冷却。
2、电机防护等级为IP44, 电源380V $\times$ 3P $\times$ 50Hz。
3、 $\triangle$ 处表示用户现场自设支承。
4、密集型罗茨鼓风机组标准供货范围不含隔声罩及直管, 如需要请在订货时特别指出。
5、隔声罩上无电缆线穿线口, 请用户自行预埋电缆线进口。

- Note: 1、Cooling water inlet temperature: $\leq 25^{\circ}\text{C}$; cooling water inlet pressure: 196~294kPa; cooling water inlet flow :8~10L/min. If pressure rise is less than 39.2kPa, cooling water is not needed.
2、Motor protection class IP44, Power Supply 380V $\times$ 3P $\times$ 50Hz.
3、 $\triangle$ means users set up support by own.
4、The standard supply range for series compact rotary blower unit doesn't include acoustic enclosure and straight pipe. If needed, please indicate especially when order.
5、There is no hole for cable on acoustic enclosure, Please preplan by client.

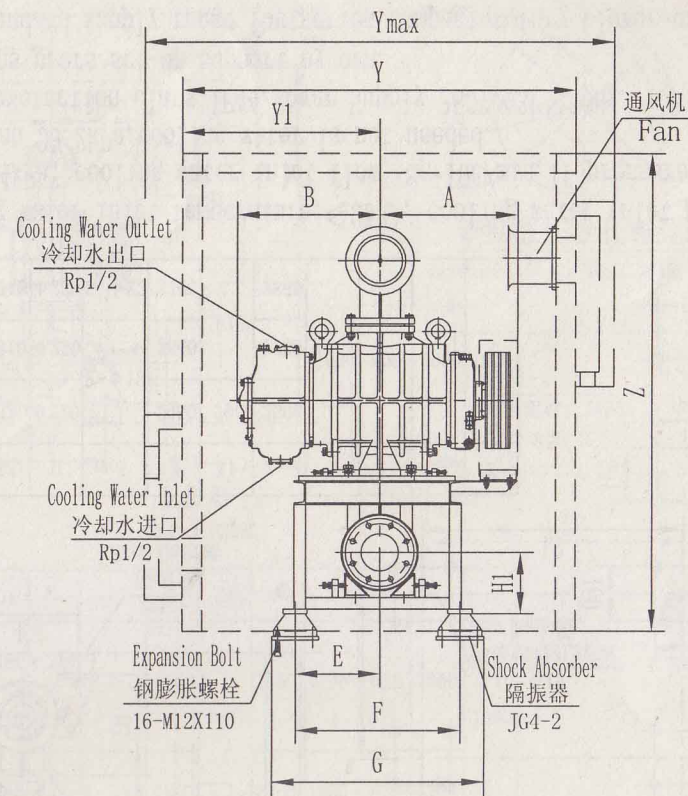
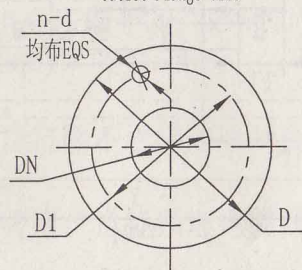
ZMH4 密集型罗茨鼓风机组皮带轮传动外形安装图:

Belt drive outline and installation drawing of series ZMH4 compact rotary blower unit:



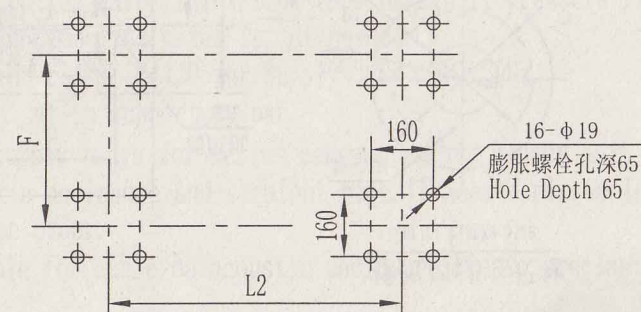
排气口法兰尺寸

Outlet Flange Size



钢膨胀螺栓孔布置图

Expansion Bolt Hole Distributing Diagram



ZMH4 密集型罗茨鼓风机组皮带轮传动外形安装尺寸表:

Belt drive outline and installation dimension table of series ZMH4 compact rotary blower unit:

机组型号 Package Type	配套电机 Motor	A	B	C	E	F	G	L1	L2	L3	L4	L5	L	H1	H2	H3	H	DN	D1	D	n-d	X	X1	X max	Y	Y1	Y max	Z
ZMH4-150	Y160, Y180, Y200, Y225	565	590	215	310	680	875	1795	1250	1390	233	200	2619	255	625	575	1718	φ 150	φ 240	φ 285	8-φ 22	2700	1080	2950	2050	1050	2550	
	Y250, Y280			190	350							225					1860											
	Y315			115	395							300																
ZMH4-200	Y160, Y180, Y200, Y225	710	685	185		830	955	1900	1370	1625	210	225	2769	265	625	580	1810	φ 200	φ 295	φ 340	8-φ 22	2850	900	3100	2250	1165	2750	2300
	Y250, Y280				335							240					1890											
	Y315			170		760																						
ZMH4-250	Y180, Y200, Y225	785	760	195	435	1030	1225	1850	1250	1600	190	225	2825	315	740	710	2115	φ 250	φ 350	φ 395	12-φ 22				2400	1240	2900	
	Y250, Y280, Y315					960	1155		1350																			

注: 1、冷却水进口温度 $\leq 25^{\circ}\text{C}$, 冷却水进口压力196~294kPa, 冷却水进口流量: 10~13L/min;
当升压低于39.2kPa时, 不需水冷却。

2、电机防护等级为 IP44, 电源380V $\times$ 3P $\times$ 50Hz。

3、△ 处表示用户现场自设支承。

4、密集型罗茨鼓风机组标准供货范围不含隔声罩及直管, 如需要请在订货时特别指出。

5、隔声罩上无电缆线穿线口, 请用户自行预埋电缆线进口。

Note: 1、Cooling water inlet temperature: $\leq 25^{\circ}\text{C}$; cooling water inlet pressure:196~294kPa; cooling water inlet flow :10~13L/min.
If pressure rise is less than 39.2kPa, cooling water is not needed.

2、Motor protection class IP44, Power Supply 380V $\times$ 3P $\times$ 50Hz.

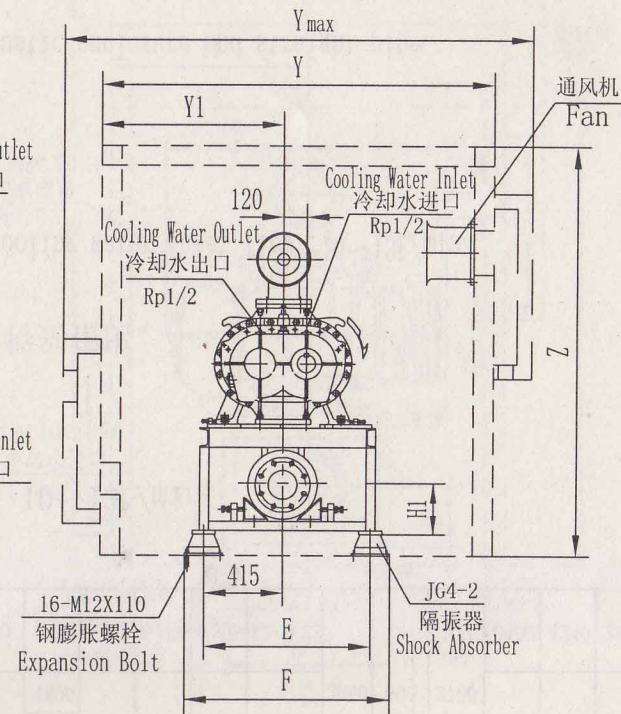
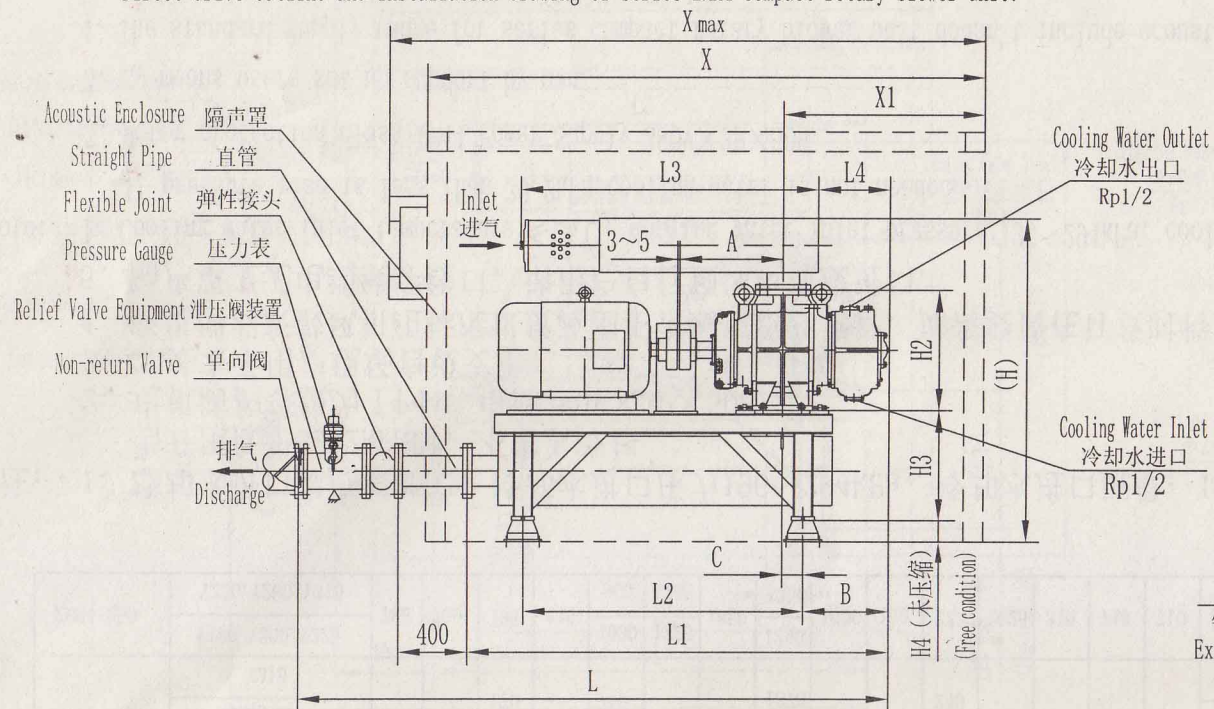
3、△ means users set up support by own.

4、The standard supply range for series compact rotary blower unit doesn't include acoustic enclosure and straight pipe.
If needed, please indicate especially when order.

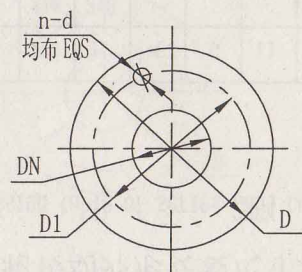
5、There is no hole for cable on acoustic enclosure, Please preplan by client.

ZMH4 密集型罗茨鼓风机联轴器传动外形安装图:

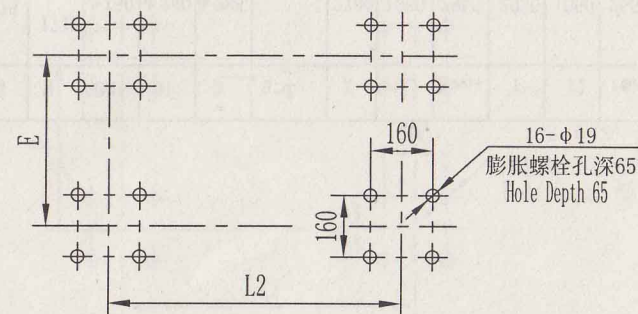
Direct drive outline and installation drawing of series ZMH4 compact rotary blower unit:



排气口法兰尺寸
Outlet Flange Size



钢膨胀螺栓孔布置图
Expansion Bolt Hole Distributing Diagram



ZMH4 密集型罗茨鼓风机组联轴器传动外形安装尺寸表:

Direct drive outline and installation dimension table of series ZMH4 compact rotary blower unit:

机组型号 Package Type	配套电机 Motor	A	B	C	E	F	L1	L2	L3	L4	L	H1	H2	H3	H4	H	DN	D1	D	n-d	X	X1	X _{max}	Y	Y1	Y _{max}	Z	
ZMH4-150	Y160, Y180, Y200 Y225, Y250, Y280 Y315	535	455	135	880	1075	2220	1450	1390	408	3044	255	625	575	110	1718	φ 150	φ 240	φ 285	8- φ 22	3050	1050	3250	1900	950	2300	2000	
ZMH4-200	Y180, Y200, Y225 Y250, Y280	675	600	85			2425	1475	1625	485	3294	265				580	1810	φ 200	φ 295		φ 340	3300	1150			3550	2400	2300
	Y315																											
ZMH4-250	Y200, Y225, Y250 Y280, Y315	750	615	145			2550	1585	1600	530	3525	315	740	710					2115	φ 250	φ 350	φ 395	12- φ 22			3600	1240	3850

- 注: 1、冷却水进口温度 $\leq 25^{\circ}\text{C}$, 冷却水进口压力196~294kPa, 冷却水进口流量: 10~13L/min;
当升压低于39.2kPa时, 不需水冷却。
2、电机防护等级为 IP44, 电源380V $\times$ 3P $\times$ 50Hz。
3、△ 处表示用户现场自设支承。
4、密集型罗茨鼓风机组标准供货范围不含隔声罩及直管, 如需要请在订货时特别指出。
5、隔声罩上无电缆线穿线口, 请用户自行预埋电缆线进口。

- Note: 1、Cooling water inlet temperature: $\leq 25^{\circ}\text{C}$; cooling water inlet pressure:196~294kPa; cooling water inlet flow :10~13L/min.
If pressure rise is less than 39.2kPa, cooling water is not needed.
2、Motor protection class IP44, Power Supply 380V $\times$ 3P $\times$ 50Hz.
3、△ means users set up support by own.
4、The standard supply range for series compact rotary blower unit doesn't include acoustic enclosure and straight pipe.
If needed, please indicate especially when order.
5、There is no hole for cable on acoustic enclosure, Please preplan by client.

有关技术资料

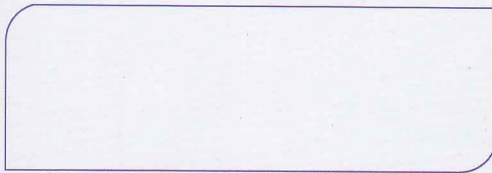
Relative Technical Data

机 型 Type	主机重量 Blower Weight (kg)	主机轴 GD ² Blower Shaft GD ² (kg. m ²)	起动力矩 Start Torque (kg. m)	冷却水要求 Cooling Water Demand	冷却水量 Cooling Water Capacity (L/min)	润滑油量 Lubrication Oil Capacity (L)	
						驱动侧轴承箱 Secondary Oil Tank	齿轮箱 Main Oil Tank
ZMR1-50	80	0.07	0.5	冷却水温度 ≤25℃ 冷却水压力 196~294kPa (2~3kg/cm ²) 冷却水压力 196~294kPa (2~3kg/cm ²) Cooling water temperature ≤25℃ Cooling water pressure: 196~294kPa (2~3kg/cm ²)	5~8	0.3	1.3
ZMR1-65	90	0.096	0.75				
ZMR2-80	160	0.3	1.3				
ZMR2-100	190	0.41	1.8		5~8	0.5	1.8
ZMH3-100	295	1.5	2				
ZMH3-125	360	1.96	2.5				
ZMH3-150	530	4	4		8~10	1.1 (空冷) (Air Cooling)	2.7 (空冷) (Air Cooling)
ZMH4-150	950	12.27	6			0.6 (水冷) (Water Cooling)	2.4 (水冷) (Water Cooling)
ZMH4-200	1150	17.55	9			2.8 (空冷) (Air Cooling)	7.0 (空冷) (Air Cooling)
ZMH4-250	1350	21.65	12		10~13	1.2 (水冷) (Water Cooling)	6.0 (水冷) (Water Cooling)

科学的設計，先進的生產

確保您所需產品穩定、可靠、安全運轉

Scientific design and advanced production ensure the products you need run steadily, reliably and safely



● 國際先進的加工設備 International advanced machine

國內一流的產品研發中心 Domestic first class R&D center ●

