

ZSH系列罗茨鼓风机性能参数表

PERFORMANCE DATA OF SERIES ZSH ROTARY BLOWER

| 型号 Type | 转速 Rotary Speed r/min | 理论流量 Theoretical Capacity m³/min | 升压 Pressure Rise kPa | 进口流量 Capacity m³/min | 轴功率 Shaft Power kW | 配套电机 Motor | | 最大重量 Unit Maximum Weight kg | |
|------------|-----------------------------|--|----------------------------|----------------------------|--------------------------|------------|-------------------|--------------------------------------|------|
| | | | | | | 型号 Type | 功率 Power kW | | |
| ZSH3-100 | 1450* | 11.9 | 98.0 | 7.4 | 21.6 | Y200L-4 | 30 | 775 | |
| | | | 107.8 | 7.2 | 23.5 | Y200L-4 | 30 | | |
| | | | 117.6 | 7.0 | 25.6 | Y200L-4 | 30 | | |
| | | | 127.4 | 6.8 | 27.7 | Y225S-4 | 37 | | |
| | | | 137.2 | 6.6 | 29.9 | Y225S-4 | 37 | | |
| | | | 147.0 | 6.4 | 32.0 | Y225S-4 | 37 | | |
| | 156.9 | 6.2 | 34.1 | Y225M-4 | 45 | | | | |
| | 1750 | 14.4 | 98.0 | 9.99 | 25.6 | Y200L-4 | 30 | 730 | |
| | | | 107.8 | 9.6 | 28.0 | Y200L-4 | 30 | | |
| | | | 117.6 | 9.4 | 30.4 | Y225S-4 | 37 | | |
| | | | 127.4 | 9.2 | 32.8 | Y225S-4 | 37 | | |
| | | | 137.2 | 9.0 | 35.2 | Y225M-4 | 45 | | |
| | | | 147.0 | 8.8 | 37.6 | Y225M-4 | 45 | | |
| | 156.9 | 8.6 | 40.0 | Y225M-4 | 45 | | | | |
| | 2000 | 16.4 | 98.0 | 12.0 | 29.3 | Y225S-4 | 37 | 795 | |
| | | | 107.8 | 11.7 | 31.9 | Y225S-4 | 37 | | |
| | | | 117.6 | 11.5 | 34.8 | Y225M-4 | 45 | | |
| | | | 127.4 | 11.3 | 37.4 | Y225M-4 | 45 | | |
| 137.2 | | | 11.1 | 40.1 | Y225M-4 | 45 | | | |
| 147.0 | | | 10.9 | 42.8 | Y225M-4 | 45 | | | |
| ZSH3-125 | 1450* | 17 | 98.0 | 11.4 | 30.2 | Y225S-4 | 37 | 1070 | |
| | | | 107.8 | 11.0 | 32.9 | Y225S-4 | 37 | | |
| | | | 117.6 | 10.7 | 35.8 | Y225M-4 | 45 | | |
| | | | 127.4 | 10.4 | 38.6 | Y225M-4 | 45 | | |
| | | | 137.2 | 10.2 | 41.4 | Y250M-4 | 55 | | |
| | | | 147.0 | 9.9 | 44.3 | Y250M-4 | 55 | | |
| | 156.9 | 9.7 | 47.1 | Y250M-4 | 55 | | | | |
| | 1750 | 20.5 | 98.0 | 14.9 | 36.3 | Y225M-4 | 45 | 1115 | |
| | | | 107.8 | 14.5 | 39.6 | Y225M-4 | 45 | | |
| | | | 117.6 | 14.2 | 43.0 | Y250M-4 | 55 | | |
| | | | 127.4 | 14.0 | 46.3 | Y250M-4 | 55 | | |
| | | | 137.2 | 13.7 | 49.7 | Y280S-4 | 75 | | |
| | | | 147.0 | 13.4 | 53.0 | Y280S-4 | 75 | | |
| | 2000 | 23.4 | 98.0 | 17.9 | 41.5 | Y250M-4 | 55 | 1125 | |
| | | | 107.8 | 17.4 | 45.4 | Y250M-4 | 55 | | |
| | | | 117.6 | 17.2 | 49.4 | Y280S-4 | 75 | | |
| | | | 127.4 | 16.9 | 53.5 | Y280S-4 | 75 | | |
| | | | 137.2 | 16.6 | 57.6 | Y280M-6 | 90 | | |
| 147.0 | | | 16.3 | 61.7 | Y280M-6 | 90 | | | |
| ZSH4-140 | 970* | 23.4 | 98.0 | 15.6 | 41.2 | Y280M-6 | 55 | 1935 | |
| | | | 107.8 | 15.2 | 45.2 | Y280M-6 | 55 | | |
| | | | 117.6 | 14.8 | 49.0 | Y280M-6 | 55 | | |
| | | | 127.4 | 14.5 | 52.8 | Y315S-6 | 75 | | |
| | | | 137.2 | 14.1 | 56.9 | Y315S-6 | 75 | | |
| | | | 147.0 | 13.7 | 60.9 | Y315S-6 | 75 | | |
| | 1450* | 35.7 | 98.0 | 27.2 | 62.0 | Y280S-4 | 75 | 2030 | |
| | | | 107.8 | 26.8 | 68.2 | Y280M-4 | 90 | | |
| | | | 117.6 | 26.4 | 74.4 | Y280M-4 | 90 | | |
| | | | 127.4 | 26.1 | 80.6 | Y280M-4 | 90 | | |
| | | | 137.2 | 25.7 | 86.8 | Y315S-4 | 110 | | |
| | | | 147.0 | 25.4 | 93.0 | Y315S-4 | 110 | | |
| | 156.9 | 25.1 | 99.3 | 25.1 | 99.3 | Y315S-4 | 110 | 2030 | |
| | | | 107.8 | 24.7 | 105.5 | Y315S-4 | 110 | | |
| | | | 117.6 | 24.3 | 111.7 | Y315S-4 | 110 | | |
| | | | 127.4 | 23.9 | 117.9 | Y315S-4 | 110 | | |
| | | | 137.2 | 23.5 | 124.1 | Y315S-4 | 110 | | |
| | | | 147.0 | 23.1 | 130.3 | Y315S-4 | 110 | | |
| ZSH4-145 | 970* | 28.5 | 98.0 | 19.0 | 50.5 | Y315S-6 | 75 | 1830 | |
| | | | 107.8 | 18.5 | 55.6 | Y315S-6 | 75 | | |
| | | | 117.6 | 18.1 | 60.6 | Y315S-6 | 75 | | |
| | | | 127.4 | 17.7 | 65.7 | Y315S-6 | 75 | | |
| | | | 137.2 | 17.3 | 70.7 | Y315M-6 | 90 | | |
| | | | 147.0 | 16.9 | 75.7 | Y315M-6 | 90 | | |
| | 1450* | 43.7 | 98.0 | 33.1 | 74.6 | Y280M-4 | 90 | 1830 | |
| | | | 107.8 | 32.6 | 80.7 | Y280M-4 | 90 | | |
| | | | 117.6 | 32.1 | 86.8 | Y280M-4 | 90 | | |
| | | | 127.4 | 31.6 | 92.9 | Y280M-4 | 90 | | |
| | | | 137.2 | 31.1 | 99.0 | Y280M-4 | 90 | | |
| | | | 147.0 | 30.6 | 105.1 | Y280M-4 | 90 | | |
| | ZSH4-145 | 1450* | 43.7 | 107.8 | 32.7 | 82.0 | Y315S-4 | 110 | 2270 |
| | | | | 117.6 | 32.2 | 89.3 | Y315S-4 | 110 | |
| | | | | 127.4 | 31.8 | 96.7 | Y315S-4 | 110 | |
| | | | | 137.2 | 31.4 | 104.1 | Y315M-4 | 132 | |
| | | | | 147.0 | 31.0 | 111.5 | Y315M-4 | 132 | |
| | | | | 156.9 | 30.6 | 119.2 | Y315L1-4 | 160 | |
| 970* | | 36.7 | 98.0 | 25.4 | 63.9 | Y315S-6 | 75 | 2680 | |
| | | | 107.8 | 24.5 | 70.3 | Y315M-6 | 90 | | |
| | | | 117.6 | 24.0 | 76.7 | Y315M-6 | 90 | | |
| | | | 127.4 | 23.5 | 83.0 | Y315L1-6 | 110 | | |
| | | | 137.2 | 23.0 | 89.5 | Y315L1-6 | 110 | | |
| | | | 147.0 | 22.5 | 95.7 | Y315L1-6 | 110 | | |
| 1450* | | 56.2 | 98.0 | 43.6 | 95.9 | Y315S-4 | 110 | 2680 | |
| | | | 107.8 | 42.7 | 105.6 | Y315M-4 | 132 | | |
| | | | 117.6 | 42.2 | 115.0 | Y315M-4 | 132 | | |
| | | | 127.4 | 41.6 | 124.7 | Y315L1-4 | 160 | | |
| | | | 137.2 | 41.1 | 134.2 | Y315L1-4 | 160 | | |
| | | | 147.0 | 40.5 | 143.7 | Y315L1-4 | 160 | | |
| ZSH5-245 | 730* | 81.1 | 98.0 | 58.6 | 142.0 | Y355M2-8 | 160 | 4090 | |
| | | | 107.8 | 57.5 | 156.2 | Y355L1-8 | 185 | | |
| | | | 117.6 | 56.5 | 170.4 | Y355L2-8 | 200 | | |
| | | | 127.4 | 55.5 | 185.0 | Y355L1-8 | 220 | | |
| | | | 137.2 | 54.5 | 199.5 | Y355L1-8 | 220 | | |
| | | | 147.0 | 53.5 | 214.0 | Y355L1-8 | 220 | | |
| | 980* | 108.9 | 98.0 | 86.4 | 189.0 | Y355L1-6 | 220 | 4640 | |
| | | | 107.8 | 85.3 | 208.0 | Y355L2-6 | 250 | | |
| | | | 117.6 | 84.3 | 226.8 | Y355L2-6 | 250 | | |
| | | | 127.4 | 83.2 | 246.5 | Y355L1-6 | 280 | | |
| | | | 137.2 | 82.3 | 265.3 | Y400-6 | 315 | | |
| | | | 147.0 | 81.3 | 284.1 | Y400-6 | 315 | | |
| | 730* | 100.9 | 98.0 | 73.8 | 176.3 | Y355L2-8 | 200 | 5200 | |
| | | | 107.8 | 72.4 | 193.5 | Y355L1-8 | 220 | | |
| | | | 117.6 | 71.2 | 210.4 | Y400-8 | 250 | | |
| | | | 127.4 | 69.9 | 229.5 | Y400-8 | 280 | | |
| | | | 137.2 | 68.8 | 248.7 | Y400-8 | 280 | | |
| | | | 147.0 | 67.7 | 267.9 | Y400-8 | 280 | | |
| 980* | 135.5 | 98.0 | 108.7 | 235.1 | Y355L1-6 | 280 | 5420 | | |
| | | 107.8 | 107.0 | 258.6 | Y400-6 | 315 | | | |
| | | 117.6 | 105.7 | 282.1 | Y400-6 | 315 | | | |
| | | 127.4 | 104.5 | 305.6 | Y400-6 | 355 | | | |
| | | 137.2 | 103.3 | 329.2 | Y400-6 | 400 | | | |
| | | 147.0 | 102.1 | 352.7 | Y400-6 | 400 | | | |

注:1.*所示转速采用联轴器直联传动,其余采用皮带轮传动。

2.■表示该电机防护等级IP23,●表示该电机为6000V高压电机,其余电机防护等级IP44,电压380V

3.□内性能点罗茨鼓风机采用中间轴皮带轮传动。

Notes:1.Direct drive is adopted for marked with "*",Belt drive is adopted for others.

2.Motor protection class IP23 for types marked with "■",6000V high voltage for types with "●",IP44 and 380V for others.

3.Belt drive with counter shaft should be adopted for blowers whose performance points are enclosed by the "□".

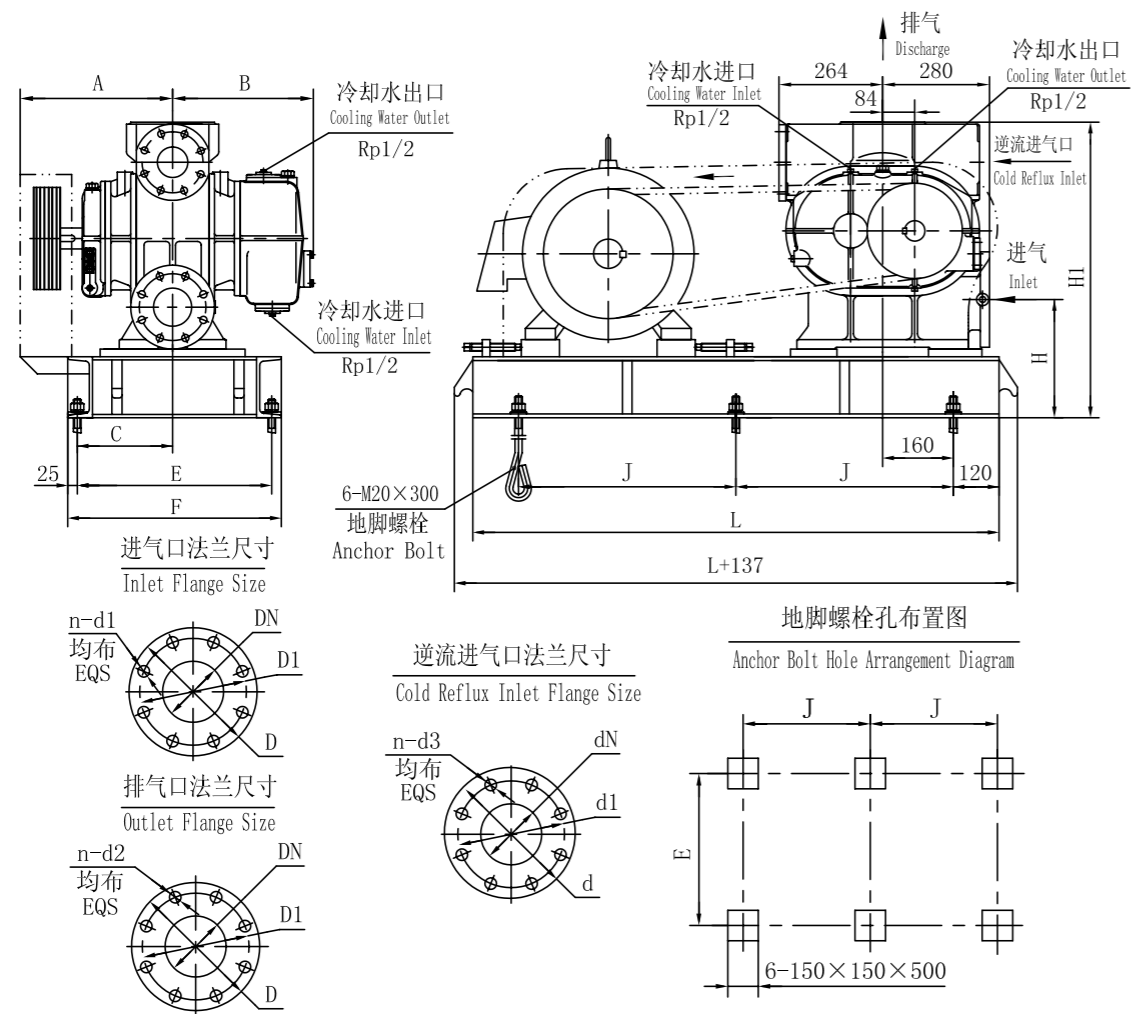
ZSH-V 系列罗茨真空泵性能参数表

Performance Data of Series ZSH-V Rotary Vacuum Pump

| 型号 type | 口径 mm | 转速 r/min | 理论流量 Theoretical Capacity m³/min | 各真空度下的吸入风量 (m³/min) 和所需的轴功率 La (kW) | | | | | | | | | | | | 电机 极数 Motor Pole | | | | | | | | | | | | |
|------------|----------|-------------|--|-------------------------------------|------|------|----------|------|------|----------|------|------|----------|------|------|---------------------------|----------|------|------|----------|----|------|----------|----|--|--|--|---|
| | | | | -49kPa | | | -53.9kPa | | | -58.8kPa | | | -63.7kPa | | | | -68.6kPa | | | -73.5kPa | | | -78.4kPa | | | | | |
| | | | | QS | La | Lo | QS | La | Lo | QS | La | Lo | QS | La | Lo | | QS | La | Lo | QS | La | Lo | | | | | | |
| ZSH3-100V | 100A | 970* | 7.88 | 3.8 | 7.62 | 11 | 3.4 | 8.29 | 11 | 2.9 | 8.96 | 11 | | | | | | | | | | | | | | | | 6 |
| | | 1150 | 9.34 | 5.2 | 9.17 | 11 | 4.8 | 9.9 | 11 | 4.4 | 10.6 | 15 | | | | | | | | | | | | | | | | 4 |
| | | 1450* | 11.77 | 7.6 | 11.3 | 15 | 7.2 | 12.4 | 15 | 6.7 | 13.4 | 15 | 6.1 | 14.4 | 18.5 | 5.3 | 15.3 | 18.5 | | | | | | | | | | 4 |
| | | 1750 | 14.21 | 10 | 13.6 | 18.5 | 9.6 | 14.9 | 18.5 | 9.1 | 16.1 | 18.5 | 8.5 | 17.3 | 22 | 7.7 | 18.4 | 22 | | | | | | | | | | 4 |
| | | 2000 | 16.24 | 12 | 15.7 | 18.5 | 11.6 | 17 | 22 | 11.1 | 18.3 | 22 | 10.5 | 19.7 | 22 | 9.7 | 21.1 | 30 | 8.6 | 22.5 | 30 | | | | | | | 4 |
| | | 970* | 11.32 | 6.2 | 10.5 | 15 | 5.7 | 11.5 | 15 | 5.1 | 12.5 | 15 | | | | | | | | | | | | | | | | 6 |
| ZSH3-125V | 125A | 1150 | 13.42 | 8.3 | 12.5 | 15 | 7.8 | 13.7 | 18.5 | 7.2 | 14.8 | 18.5 | 6.4 | 16 | 18.5 | | | | | | | | | | | | | 4 |
| | | 1450* | 16.93 | 11.7 | 15.8 | 18.5 | 11.2 | 17.2 | 22 | 10.6 | 18.6 | 22 | 9.9 | 20 | 22 | 8.9 | 21.5 | 30 | | | | | | | | | | 4 |
| | | 1750 | 20.43 | 15.2 | 19.1 | 22 | 14.7 | 20.8 | 30 | 14.1 | 22.5 | 30 | 13.3 | 24.2 | 30 | 12.3 | 26 | 30 | 11 | 27.8 | 37 | | | | | | | 4 |
| | | 2000 | 23.35 | 18 | 21.7 | 30 | 17.6 | 23.7 | 30 | 16.9 | 25.6 | 30 | 16.2 | 27.6 | 37 | 15.2 | 29.7 | 37 | 13.8 | 31.7 | 37 | 11.9 | 33.6 | 37 | | | | 4 |
| | | 970* | 13.79 | 6.9 | 12.9 | 15 | 6.2 | 14 | 18.5 | 5.4 | 15.1 | 18.5 | 4.4 | 16.1 | 18.5 | | | | | | | | | | | | | 6 |
| | | 1150 | 16.34 | 9.5 | 15.1 | 18.5 | 8.8 | 16.5 | 22 | 8 | 17.9 | 22 | 7 | 19.3 | 22 | 6 | 20.7 | 30 | | | | | | | | | | 4 |
| ZSH3-127V | 125A | 1450* | 20.61 | 13.7 | 19.2 | 22 | 13 | 21 | 30 | 12.2 | 22.7 | 30 | 11.3 | 24.5 | 30 | 10.1 | 26.3 | 30 | 8.7 | 26.3 | 30 | | | | | | | 4 |
| | | 1750 | 24.87 | 18 | 23 | 30 | 17.3 | 25.1 | 30 | 16.5 | 27.2 | 30 | 15.5 | 29.3 | 37 | 14.4 | 31.4 | 37 | 13.2 | 33.5 | 37 | | | | | | | 4 |
| | | 2000 | 28.43 | 21.6 | 26.2 | 30 | 20.9 | 28.6 | 37 | 20 | 31 | 37 | 19.1 | 33.4 | 37 | 18 | 35.8 | 45 | 16.7 | 38.3 | 45 | | | | | | | 4 |
| | | 970* | 17.23 | 8.6 | 16.2 | 18.5 | 7.7 | 17.8 | 22 | 6.6 | 19.1 | 22 | 5.6 | 20.4 | 30 | | | | | | | | | | | | | 6 |
| | | 1150 | 20.43 | 11.8 | 19.1 | 22 | 10.9 | 20.9 | 30 | 9.8 | 22.6 | 30 | 8.7 | 24.3 | 30 | 7.4 | 26 | 30 | | | | | | | | | | 4 |
| | | 1450* | 25.76 | 17.1 | 23.9 | 30 | 16.2 | 26.6 | 30 | 15.2 | 28.3 | 37 | 14 | 30.5 | 37 | 12.6 | 32.7 | 37 | 11 | 34.9 | 45 | | | | | | | 4 |
| ZSH3-130V | 125A | 1750 | 31.09 | 22.4 | 28.8 | 37 | 21.5 | 31.5 | 37 | 20.5 | 34.1 | 45 | 19.3 | 36.7 | 45 | 18 | 39.3 | 45 | 16.4 | 42 | 55 | | | | | | | 4 |
| | | 2000 | 35.54 | 26.9 | 32.9 | 37 | 26 | 35.9 | 45 | 25 | 38.8 | 45 | 23.8 | 41.8 | 55 | 22.4 | 44.9 | 55 | 20.8 | 48 | 55 | 18.8 | 51.1 | 75 | | | | 4 |
| | | 970* | 21.17 | 11.7 | 19. | | | | | | | | | | | | | | | | | | | | | | | |

ZSH3-V 型罗茨真空泵皮带轮传动外形图

BELT DRIVE OUTLINE DRAWING FOR MODEL ZSH3-V VACUUM PUMP

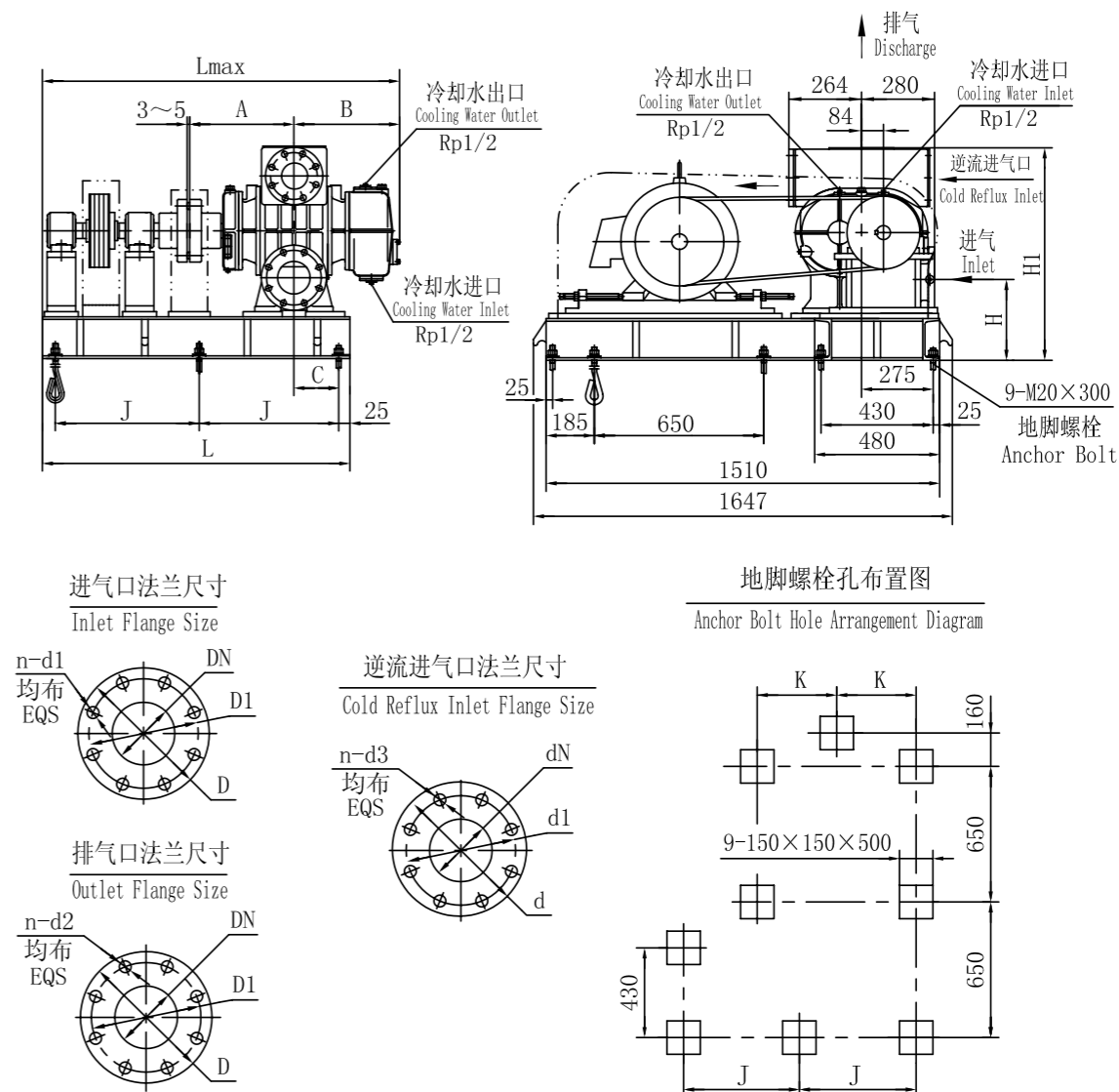


| 主机型号 Blower type | 电机 Motor | A | B | C | E | F | J | L | H | H1 | DN | D1 | D | n-d1 | n-d2 | dN | d1 | d | n-d3 |
|---------------------|-------------|-----|-----|-----|-----|-----|-----|------|-----|-----|------|------|------|-------|-------|------|------|------|-------|
| ZSH3-100V | Y160, Y180 | 400 | 362 | 250 | 510 | 560 | 495 | 1230 | 290 | 755 | φ100 | φ180 | φ220 | 8-φ18 | 8-M16 | φ80 | φ160 | φ200 | 8-M16 |
| | Y200 | | | 240 | 550 | 600 | 520 | 1280 | | | | | | | | | | | |
| ZSH3-125V | Y160, Y180 | 440 | 397 | 255 | 550 | 600 | 520 | 1280 | 310 | 815 | φ125 | φ210 | φ250 | 8-φ18 | 8-M16 | φ100 | φ180 | φ220 | 8-M16 |
| | Y200, Y225 | | | | | | 560 | 1360 | | | | | | | | | | | |
| ZSH3-127V 130V | Y180, Y200 | 525 | 457 | 360 | 600 | 650 | 560 | 1360 | 310 | 815 | φ130 | φ210 | φ250 | 8-φ18 | 8-M16 | φ100 | φ180 | φ220 | 8-M16 |
| | Y225 | | | | | | 620 | 1480 | | | | | | | | | | | |
| ZSH3-150V | Y200, Y225 | 565 | 497 | 395 | 660 | 710 | 560 | 1360 | 330 | 910 | φ150 | φ240 | φ285 | 8-M20 | 8-M20 | φ125 | φ210 | φ250 | 8-M16 |
| | Y250 | | | | | | 620 | 1480 | | | | | | | | | | | |

备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:8~10L/min
 Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 8~10L/min

ZSH3-V 型罗茨真空泵中间轴皮带轮传动外形图

OUTLINE DRAWING OF BELT DRIVE WITH COUNTER SHAFT FOR MODEL ZSH3-V VACUUM PUMP

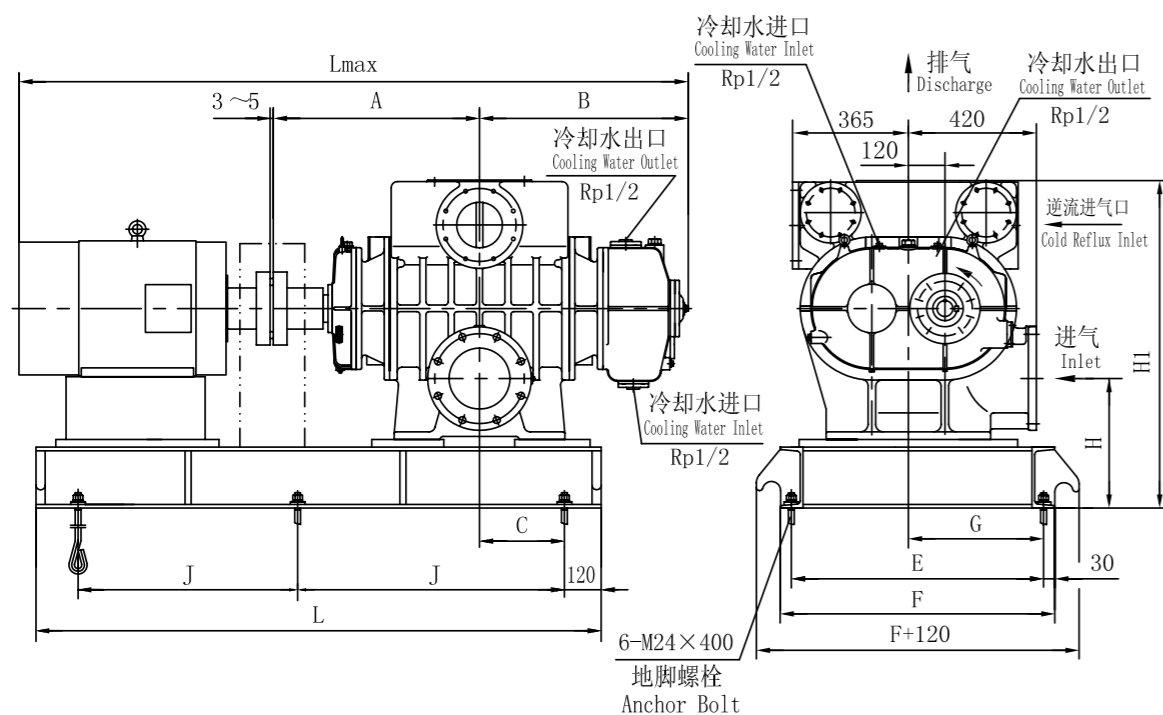


| 主机型号 Blower type | 电机 Motor | A | B | C | H | H1 | J | K | L | L _{max} | DN | D1 | D | n-d1 | n-d2 | dN | d1 | d | n-d3 |
|---------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------|------------------|------|------|------|-------|-------|------|------|------|-------|
| ZSH3-130V | Y225, Y250 Y280 | 490 | 457 | 250 | 310 | 815 | 625 | 455 | 1330 | 1520 | φ130 | φ210 | φ250 | 8-φ18 | 8-M16 | φ100 | φ180 | φ220 | 8-M16 |
| ZSH3-150V | Y250 | 530 | 497 | 280 | 330 | 830 | 660 | 490 | 1400 | 1600 | φ150 | φ240 | φ285 | 8-M20 | 8-M20 | φ125 | φ210 | φ250 | |

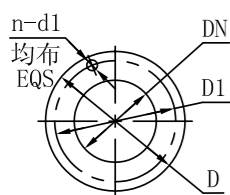
备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:8~10L/min
 Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 8~10L/min

ZSH4-V 型罗茨真空泵联轴器直联传动外形图

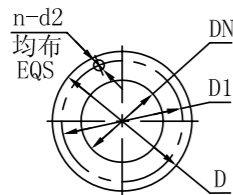
DIRECT DRIVE OUTLINE DRAWING FOR MODEL ZSH4-V VACUUM PUMP



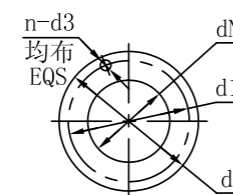
进气口法兰尺寸
Inlet Flange Size



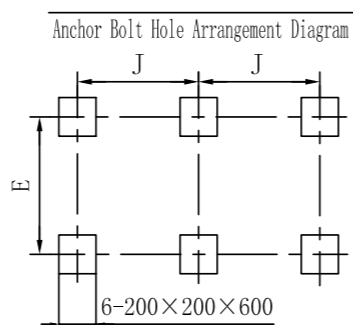
排气口法兰尺寸
Outlet Flange Size



逆流进气口法兰尺寸
Cold Reflux Inlet Flange Size



地脚螺栓孔布置图
Anchor Bolt Hole Arrangement Diagram

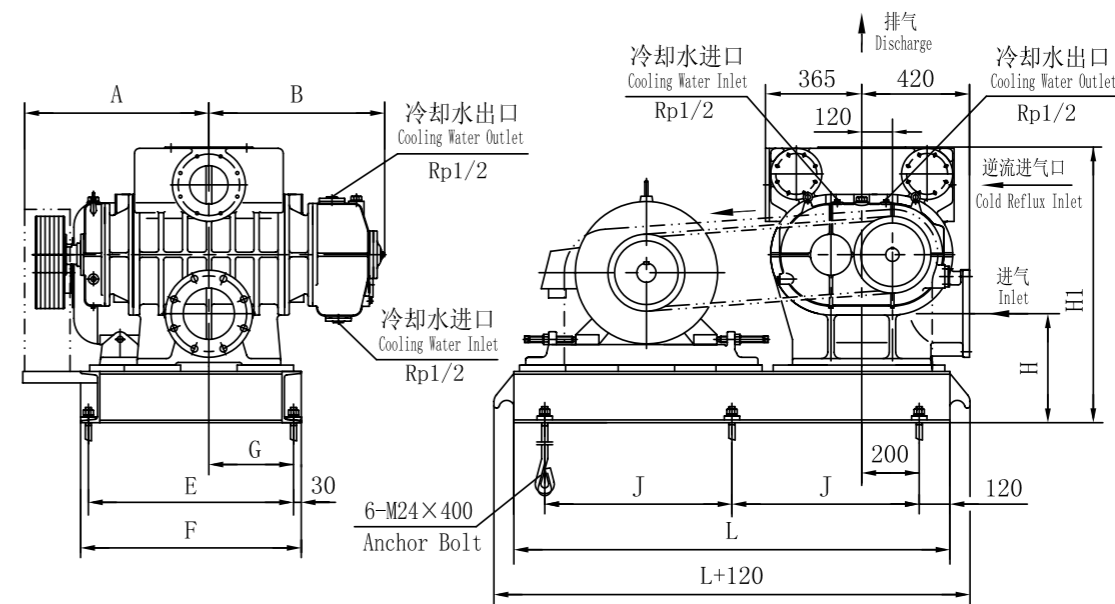


| 主机型号 Blower type | 电机 Motor | A | B | C | E | F | G | H | H1 | J | L | Lmax | DN | D1 | D | n-d1 | n-d2 | dN | d1 | d | n-d3 | |
|---------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|--------|--------|------|------|------|-------|--|
| ZSH4-140V | Y225, Y250 | 510 | 525 | | | | | | | 645 | 1530 | 2040 | φ155 | φ240 | φ285 | 8-M20 | | | | | | |
| ZSH4-145V | Y280 | 535 | 550 | 105 | 705 | 765 | 385 | 350 | 970 | 685 | 1610 | 2140 | | | | 8-M20 | | φ125 | φ210 | φ250 | | |
| ZSH4-150V | Y225, Y250 Y280 | 535 | 590 | 140 | | | | | 360 | 1000 | 753 | 1745 | φ155 | φ240 | φ285 | 8-φ22 | | | | | 8-M16 | |
| ZSH4-190V 200V | Y250, Y280 Y315 | 675 | 685 | 230 | 802 | 862 | 482 | 400 | 1050 | 892 | 2025 | 2705 | φ200 | φ295 | φ340 | | | | φ150 | φ240 | φ285 | |
| ZSH4-250V | Y315 | 750 | 760 | 315 | | | | | 410 | 1055 | 972 | 2185 | φ250 | φ350 | φ395 | 12-φ22 | 12-M20 | φ200 | φ295 | φ340 | | |

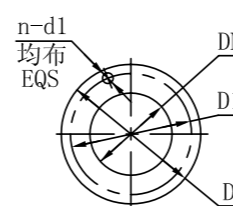
备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:10~13L/min
Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 10~13L/min

ZSH4-V 型罗茨真空泵皮带轮传动外形图

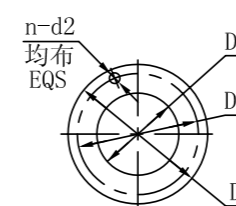
BELT DRIVE OUTLINE DRAWING FOR MODEL ZSH4-V VACUUM PUMP



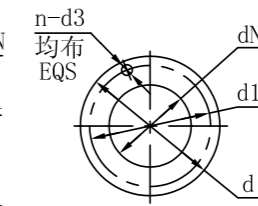
进气口法兰尺寸
Inlet Flange Size



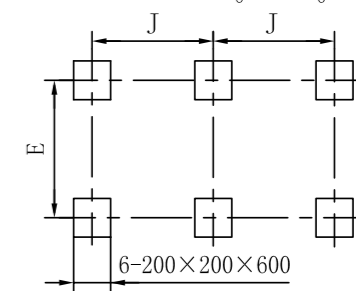
排气口法兰尺寸
Outlet Flange Size



逆流进气口法兰尺寸
Cold Reflux Inlet Flange Size



地脚螺栓孔布置图
Anchor Bolt Hole Arrangement Diagram

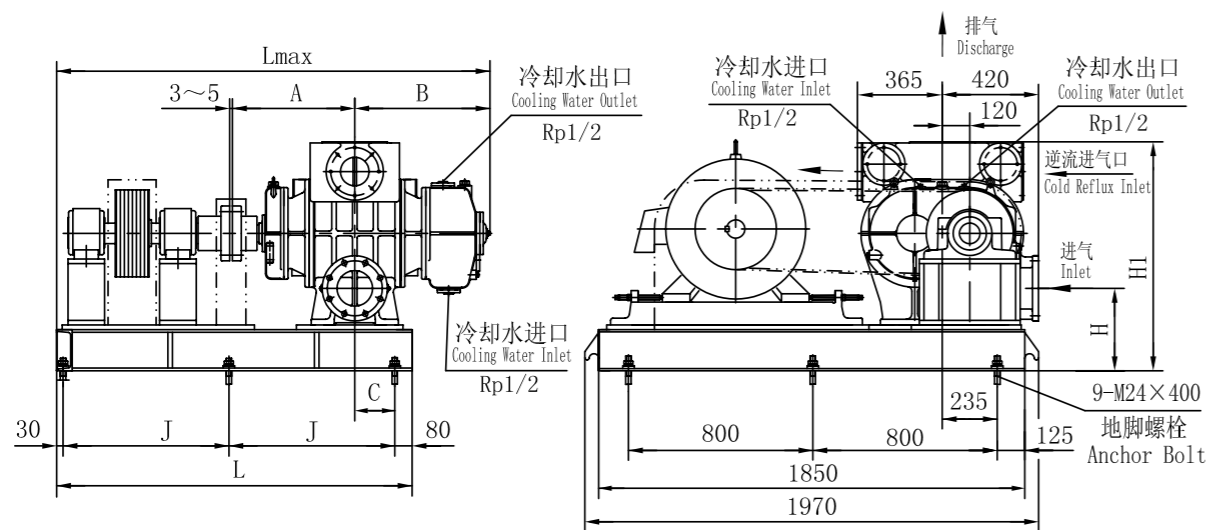


| 主机型号 Blower type | 电机 Motor | A | B | E | F | G | H | H1 | J | L | DN | D1 | D | n-d1 | n-d2 | dN | d1 | d | n-d3 |
|---------------------|--------------------|-----|-----|-----|------|-----|-----|------|-----|------|------|------|------|--------|--------|------|------|------|-------|
| ZSH4-140V | Y200, Y225 | 560 | 525 | 540 | 600 | 180 | | | 630 | 1500 | | | | | | | | | |
| | Y250 | 580 | 550 | 550 | 610 | 240 | 350 | 970 | 680 | 1600 | | | | | | | | | |
| ZSH4-145V | Y225 | 560 | 550 | 540 | 600 | 180 | | | 630 | 1500 | φ155 | φ240 | φ285 | 8-M20 | | | φ125 | φ210 | φ250 |
| | Y250, Y280 | 580 | 550 | 550 | 610 | 240 | | | 680 | 1600 | | | | | | | | | |
| ZSH4-150V | Y225 | 560 | 590 | 575 | 635 | 215 | 360 | 1000 | 630 | 1500 | | | | 8-M20 | | | | | 8-M16 |
| | Y250, Y280 | 580 | 590 | 650 | 710 | 335 | | | 705 | 1650 | | | | 8-φ22 | | | | | |
| ZSH4-190V 200V | Y250, Y280 Y315 | 720 | 685 | 740 | 800 | 300 | 400 | 1050 | 730 | 1700 | φ200 | φ295 | φ340 | | | | φ150 | φ240 | φ285 |
| ZSH4-250V | Y280, Y315 | 800 | 760 | 940 | 1000 | 390 | 410 | 1055 | 755 | 1750 | φ250 | φ350 | φ395 | 12-φ22 | 12-M20 | φ200 | φ295 | φ340 | |

备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:10~13L/min
Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 10~13L/min

ZSH4-V 型罗茨真空泵中间轴皮带轮传动外形图

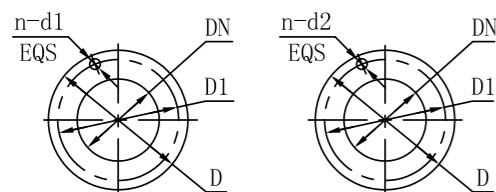
OUTLINE DRAWING OF BELT DRIVE WITH COUNTER SHAFT FOR MODEL ZSH4-V VACUUM PUMP



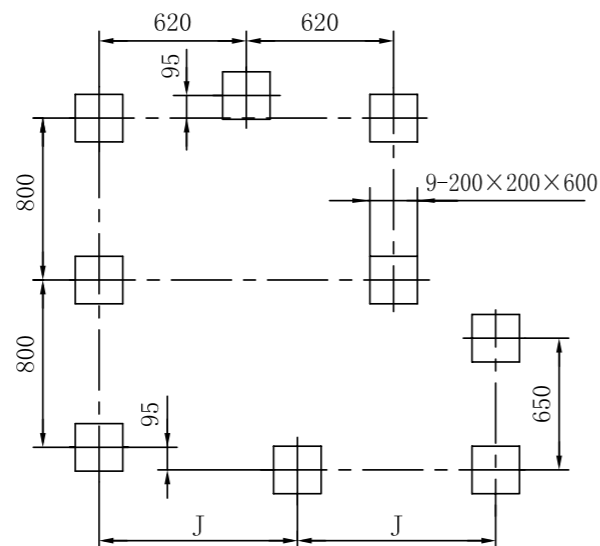
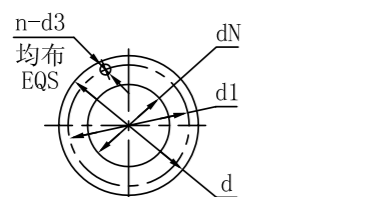
进气口法兰尺寸
Inlet Flange Size

排气口法兰尺寸
Outlet Flange Size

地脚螺栓孔布置图
Anchor Bolt Hole Arrangement Diagram



逆流进气口法兰尺寸
Cold Reflux Inlet Flange Size

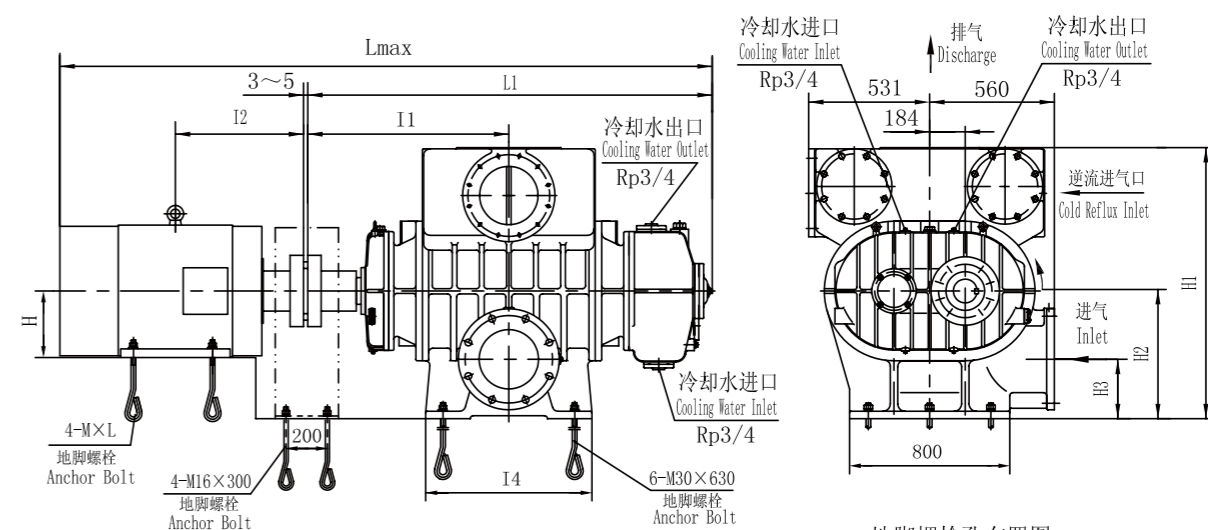


| 主机型号 Blower type | 电机 Motor | A | B | C | H | H1 | J | L | Lmax | DN | D1 | D | n-d1 | n-d2 | dN | d1 | d | n-d3 |
|---------------------|---------------|-----|-----|-----|-----|------|-----|------|------|-------|-------|-------|---------|--------|-------|-------|-------|-------|
| ZSH4-190V 200V | Y280, Y315 | 675 | 685 | 250 | 400 | 1050 | 835 | 1780 | 2135 | φ 200 | φ 295 | φ 340 | 8-φ 22 | 8-M20 | φ 150 | φ 240 | φ 285 | 8-M16 |
| ZSH4-250V | Y315 | 750 | 760 | 335 | 410 | 1055 | 915 | 1940 | 2285 | φ 250 | φ 350 | φ 395 | 12-φ 22 | 12-M20 | φ 200 | φ 295 | φ 340 | |

备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:10~13L/min
Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 10~13L/min

ZSH5-V 型罗茨真空泵联轴器直联外形图

DIRECT DRIVE OUTLINE DRAWING FOR MODEL ZSH5-V VACUUM PUMP

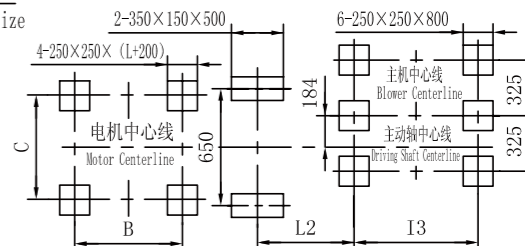
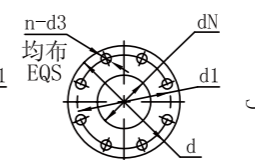
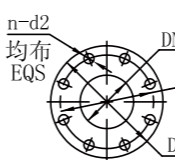
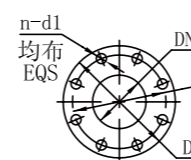


地脚螺栓孔布置图
Anchor Bolt Hole Arrangement Diagram

进气口法兰尺寸
Inlet Flange Size

排气口法兰尺寸
Outlet Flange Size

逆流进气口法兰尺寸
Cold Reflux Inlet Flange Size



罗茨真空泵尺寸表 (Dimension of Vacuum Pump)

| 主机型号 Blower type | L1 | L2 | I1 | I3 | I4 | H1 | H2 | H3 | L (max) | DN | D1 | D | n-d1 | n-d2 | dN | d1 | d | n-d3 |
|---------------------|------|-----|------|-----|------|------|-----|-----|------------|-------|-------|-------|---------|--------|-------|-------|-------|--------|
| ZSH5-240V 245V | 1540 | 532 | 730 | 400 | 480 | 1150 | 570 | 210 | 3120 | φ 250 | φ 350 | φ 395 | 12-M20 | 12-M20 | φ 200 | φ 295 | φ 340 | 8-M20 |
| ZSH5-250V | 1650 | 557 | 785 | 460 | 590 | 1180 | 600 | 220 | 3230 | φ 250 | φ 350 | φ 395 | 12-φ 22 | | | | | |
| ZSH5-290V 295V | 1790 | 557 | 855 | 600 | 730 | 1290 | 600 | 230 | 3370 | φ 300 | φ 400 | φ 445 | 12-φ 22 | 12-M20 | φ 250 | φ 350 | φ 395 | 12-M20 |
| ZSH5-300V | 1950 | 582 | 935 | 710 | 860 | 1300 | 630 | 250 | 4355 | φ 300 | φ 400 | φ 445 | 12-φ 22 | | | | | |
| ZSH5-350V | 2115 | 572 | 1020 | 900 | 1050 | 1430 | 640 | 260 | 4535 | φ 350 | φ 460 | φ 505 | 16-φ 22 | 16-M20 | φ 300 | φ 400 | φ 445 | |

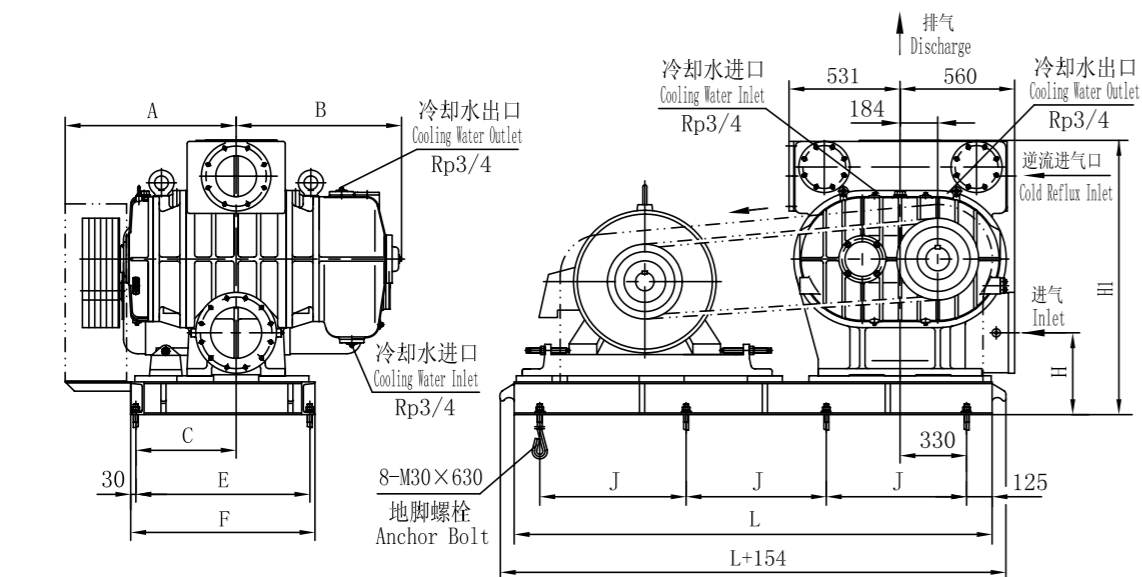
配套电机尺寸表 (Dimension of Motor)

| 电机型号 Motor | Y315 | | | Y355 | | Y400 |
|---------------|---------|-----|-----|------|-----|---------|
| | S | M | L | M | L | |
| B | 406 | 457 | 508 | 560 | 630 | 1000 |
| C | 508 | | | 610 | | 710 |
| H | 315 | | | 355 | | 400 |
| MXL | M24X400 | | | | | M30X630 |
| I2 | 594 | 620 | 645 | 709 | 744 | 1050 |

备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:15~18L/min
Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 15~18L/min

ZSH5-V 型罗茨真空泵皮带轮传动外形图

BELT DRIVE OUTLINE DRAWING FOR MODEL ZSH5-V VACUUM PUMP

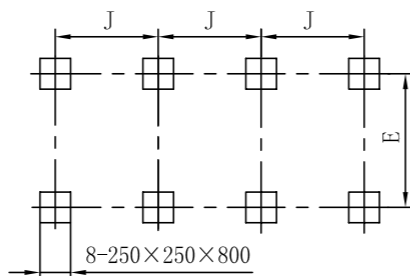
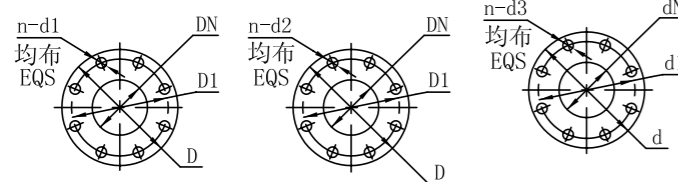


进气口法兰尺寸
Inlet Flange Size

排气口法兰尺寸
Outlet Flange Size

逆流进气口法兰尺寸
Cold Reflux Inlet Flange Size

地脚螺栓孔布置图
Anchor Bolt Hole Arrangement Diagram



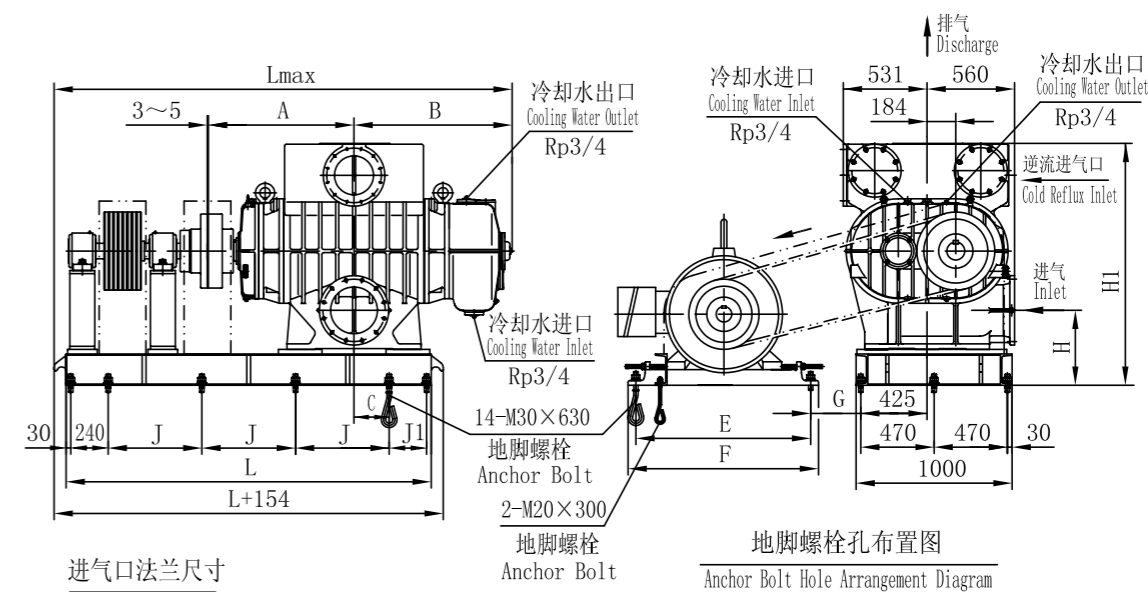
| 主机型号 Blower type | 电机 Motor | A | B | C | E | F | J | L | H | H1 | DN | D1 | D | n-d1 | n-d2 | dN | d1 | d | n-d3 | |
|---------------------|-------------|------|------|-----|------|------|-----|------|-----|------|------|------|------|--------|--------|------|------|------|--------|--|
| ZSH5-240V 245V | Y315, Y355 | 835 | 810 | 505 | 860 | 920 | 710 | 2380 | 440 | 1380 | φ250 | φ350 | φ395 | 12-M20 | | | | | | |
| ZSH5-250V | Y315, Y355 | 890 | 865 | 565 | 890 | 950 | 710 | 2380 | 450 | 1410 | φ250 | φ350 | φ395 | 12-φ22 | | φ200 | φ295 | φ340 | 8-M20 | |
| ZSH5-290V 295V | Y315, Y355 | 960 | 935 | 590 | 990 | 1050 | 710 | 2380 | 460 | 1520 | φ300 | φ400 | φ445 | 12-φ22 | | φ250 | φ350 | φ395 | 12-M20 | |
| ZSH5-300V | Y315, Y355 | 1045 | 1015 | 665 | 1120 | 1180 | 710 | 2380 | 480 | 1530 | φ300 | φ400 | φ445 | 12-φ22 | | | | | 12-M20 | |
| ZSH5-350V | Y315, Y355 | 1130 | 1095 | 780 | 1330 | 1390 | 710 | 2380 | 490 | 1660 | φ350 | φ460 | φ505 | 16-φ22 | 16-M20 | φ300 | φ400 | φ445 | | |

备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:15~18L/min

Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 15~18L/min

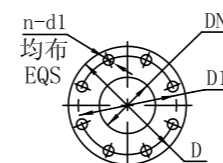
ZSH5-V 型罗茨真空泵中间轴皮带轮传动外形图

OUTLINE DRAWING OF BELT DRIVE WITH COUNTER SHAFT FOR MODEL ZSH5-V VACUUM PUMP



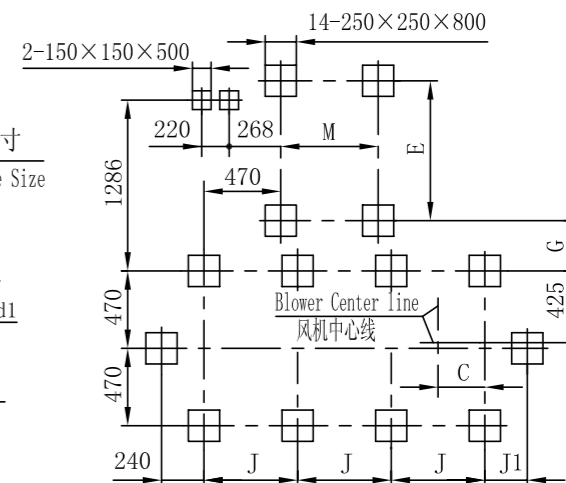
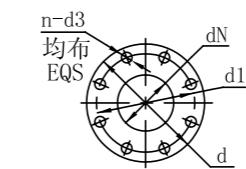
进气口法兰尺寸
Inlet Flange Size

地脚螺栓孔布置图
Anchor Bolt Hole Arrangement Diagram



逆流进气口法兰尺寸
Cold Reflux Inlet Flange Size

排气口法兰尺寸
Outlet Flange Size



| 主机型号 Blower type | 电机 Motor | A | B | C | E | F | G | H | H1 | J | J1 | L | M | Lmax | DN | D1 | D | n-d1 | n-d2 | dN | d1 | d | n-d3 |
|---------------------|------------------------|------|------|-----|------|------|-----|-----|------|-----|-----|------|--------------------|------|------|------|------|--------|--------|------|------|------|--------|
| ZSH5-290V 295V | Y355M Y355L | 855 | 935 | 155 | | | | 460 | 1520 | 550 | 245 | 2195 | 560 630 | 2777 | | | | | | | | | |
| ZSH5-300V | Y355M Y355L Y400 | 935 | 1015 | 225 | | | | 480 | 1530 | 600 | 240 | 2340 | 560 630 1000 | 2937 | φ300 | φ400 | φ445 | 12-φ22 | 12-M20 | φ250 | φ340 | φ395 | 12-M20 |
| ZSH5-350V | Y355M Y355L | 1020 | 1095 | 320 | 1120 | 1220 | 320 | 490 | 1660 | 660 | 240 | 2520 | 560 630 | 3102 | φ350 | φ460 | φ505 | 16-φ22 | 16-M20 | φ300 | φ400 | φ445 | 12-M20 |

备注:冷却水进口温度:≤25℃, 冷却水压力:196~294kPa, 冷却水进口流量:15~18L/min

Note: Cooling water temperature: ≤25℃, Cooling water pressure: 196~294kPa, Cooling water flow: 15~18L/min

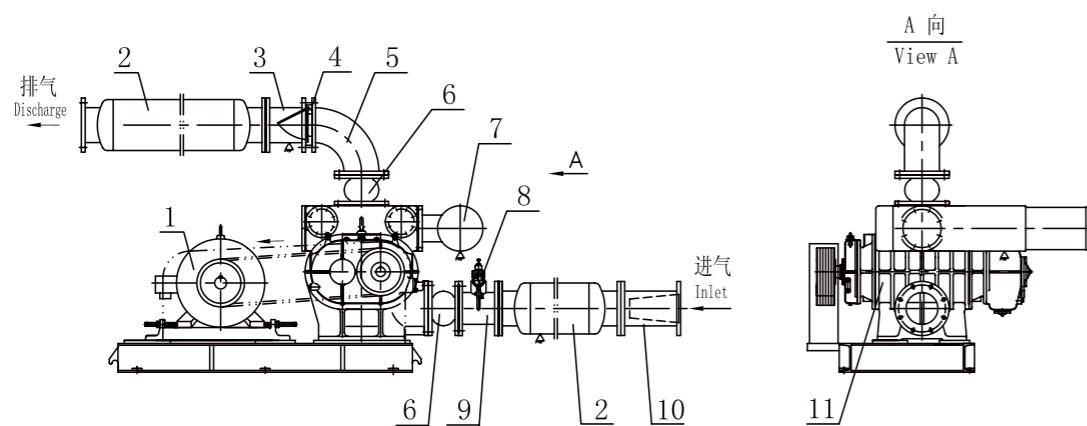
有关技术资料

RELATIVE TECHNICAL DATA

| 机 型 Type | 主机重量 Blower Weight (kg) | 主机轴 GD ² Main Shaft GD ² (kg. m ²) | 起动力矩 Start Torque (kg. m) | 冷却水要求 Cooling Water request | 冷却水量 Cooling Water Flowratio (L/min) | 润滑油量 Lubncation Oil Capacity (L) | |
|-------------|-------------------------------|---|---------------------------------|---|--|-------------------------------------|-----------------------------|
| | | | | | | 驱动侧油箱 Secondary Oil Tank | 齿轮箱 Main Oil Tank |
| ZSH3-100V | 330 | 1.5 | 2 | 冷却水压力: 196~294kPa (2~3kg/cm ²) 冷却水温度≤25℃ | 8~10 | 1.1 (空冷) (Air Cooling) | 2.7 (空冷) (Air Cooling) |
| ZSH3-125V | 400 | 1.96 | 2.5 | | | 0.6 (水冷) (Water Cooling) | 2.4 (水冷) (Water Cooling) |
| ZSH3-127V | 450 | 2.3 | 3.0 | | | | |
| ZSH3-130V | 450 | 2.75 | 3.5 | | | | |
| ZSH3-150V | 580 | 4.0 | 4 | | | | |
| ZSH4-140V | 990 | 8.65 | 4 | Cooling water pressure: 196~294kPa (2~3kg/cm ²) Cooling water temperature: ≤25℃ | 10~13 | 2.8 (空冷) (Air Cooling) | 7.0 (空冷) (Air Cooling) |
| ZSH4-145V | 990 | 10.05 | 5 | | | 1.2 (水冷) (Water Cooling) | 6.0 (水冷) (Water Cooling) |
| ZSH4-150V | 1050 | 12.27 | 6 | | | | |
| ZSH4-190V | 1250 | 14.55 | 7.5 | | | | |
| ZSH4-200V | 1250 | 17.55 | 9 | | | | |
| ZSH5-240V | 2150 | 85 | 14 | Cooling water temperature: ≤25℃ | 15~18 | 10 (空冷) (Air Cooling) | 40 (空冷) (Air Cooling) |
| ZSH5-245V | 2150 | 100 | 17 | | | 7.0 (水冷) (Water Cooling) | 26 (水冷) (Water Cooling) |
| ZSH5-250V | 2430 | 120 | 21 | | | | |
| ZSH5-290V | 2850 | 137 | 26 | | | | |
| ZSH5-295V | 2850 | 144 | 27 | | | | |
| ZSH5-300V | 3200 | 172 | 33 | | | | |
| ZSH5-350V | 3680 | 200 | 39 | | | | |

罗茨真空泵典型配管布置简图

ROTARY VACUUM PUMP INSTALLATION SAMPLE



1. 电动机 2. 消声器 3. 接管 4. 单向阀 5. 弯管 6. 弹性接头
7. 逆流消声器 8. 真空表 9. 真空阀装置 10. 管道滤清器 11. 罗茨真空泵

1. Motor 2. Silencer 3. Connection Pipe 4. Non-return Valve 5. Bend Pipe
6. Flexible Joint 7. Cold Reflux Silencer 8. Vibrationproof Vacuum Gauge
9. Vacuum Valve Assembly 10. Line Filter 11. Rotary Vacuum Pump