

OIL FREE SINGLE SCREW WATER LUBRICATION AIR COMPRESSOR



Top Compression Structure in the World ---- Z Air End

- High-tech crystal.

- Widely used in the world.

“Z air end” is composed of one active rotor and two sets high-precision passive rotors, to achieve the characteristics of dynamic equilibrium, small vibration, low noise and long service life.

Oil Free ----Totally Oil Free

ZREW oil free water lubrication screw air compressor is a kind of compressor that provides clean, pollution-free, 100% oil free screw air compressor, its zero emission can protect the environment efficiently

Water ---- Lubrication, Sealing and Cooling

Ideal isothermal compression

Low temperature compression

Low rotation speed

Low viscosity of lubrication water

High efficiency (large air delivery)

No need the intercooler and after cooler

Low noise, low vibration and no need the overdrive gear

Easy to be separated with the air

Reduce the Industrial Waste ---- Lessen the Burden on the Environment

- No use of oil, no waste oil to be dealt with.

- No use of oil filter and oil separator, which reduce the industrial waste, avoid the oil-gas explosion and reduce the risk of fire, reduce the pressure loss, energy saving and environmental protection. Green products is recommended in the era of energy crisis.

- No oil in the condensate water, no need for special treatment.

Single Stage Compression, High Efficiency, and Energy Saving, and Easy Maintenance

- Single stage compression makes the structure easy.

- Compression efficiency is higher than the two stage dry air compressor.

- Less consumable parts, easy to be disassembled, reduce the maintenance cost and time greatly.

To achieve the better energy saving effect, it is recommend to consider the below aspects during the installation:

- Reduce the pressure loss of the pipeline

- Reduce the consumption of the pipeline air filter

- Avoid the pipeline leakage

- Control the most appropriate pressure for each branch pipe.

- Reduce the running current

- Reduce the accessory equipments

| Model | Air delivery / Working pressure | | | | Motor power | | | Lubricating water volume | Pipe diam. | Noise | Weight | Dimension(mm) | | |
|------------|---------------------------------|--------|---------|----------|-------------|----------------|--|--------------------------|------------|--------|--------|---------------|------|------|
| | m3/min/bar | | | | | | | KW | | L/min | | Db(A) | Kg | L |
| ZRCW-10SA | 1.1/7 | 1.0/8 | 0.85/10 | 0.7/12.5 | 7.5 | Shaft coupling | Air cooling: Ambient temperature + 15 °C Water cooling: ≤40°C | 12 | 3/4" | 55 | 500 | 1300 | 800 | 1300 |
| ZRCW-15SA | 1.8/7 | 1.65/8 | 1.5/10 | 1.3/12.5 | 11 | | | 20 | 1" | 56 | 540 | 1300 | 800 | 1300 |
| ZRCW-20SA | 2.4/7 | 2.2/8 | 2.1/10 | 1.8/12.5 | 15 | | | 26 | 1" | 57 | 650 | 1600 | 910 | 1350 |
| ZRCW-25SA | 3.1/7 | 2.9/8 | 2.7/10 | 2.3/12.5 | 18.5 | | | 34 | 1" | 58 | 840 | 1600 | 910 | 1350 |
| ZRCW-30SA | 3.8/7 | 3.6/8 | 3.2/10 | 2.5/12.5 | 22 | | | 41 | 1" | 58 | 870 | 1600 | 910 | 1350 |
| ZRCW-40SA | 5.3/7 | 5.0/8 | 4.3/10 | 3.6/12.5 | 30 | | | 55 | 1 1/4" | 60 | 980 | 1950 | 1050 | 1432 |
| ZRCW-50SA | 6.6/7 | 6.2/8 | 5.7/10 | 4.6/12.5 | 37 | | | 70 | 1 1/4" | 60 | 1000 | 1950 | 1050 | 1432 |
| ZRCW-60SA | 8.0/7 | 7.7/8 | 6.9/10 | 6.0/12.5 | 45 | | | 87 | 1 1/2" | 63 | 1060 | 2150 | 1300 | 1590 |
| ZRCW-75SA | 10.5/7 | 9.8/8 | 8.7/10 | 7.3/12.5 | 55 | | | 100 | 2" | 65 | 1250 | 2150 | 1300 | 1590 |
| ZRCW-100SW | 13.6/7 | 13.0/8 | 11.6/10 | | 75 | | | 100 | 2" | 67 | 2030 | 2550 | 1400 | 1605 |
| ZRCW-120SW | 16.2/7 | 15.5/8 | 14.0/10 | | 90 | | | 250 | Dn50 | 71 | 2030 | 2550 | 1400 | 1605 |
| ZRCW-150SW | 20.8/7 | 19.5/8 | 16.5/10 | | 110 | | | 270 | Dn65 | 73 | 2850 | 2550 | 1400 | 1605 |
| ZRCW-175SW | 24.0/7 | 23.0/8 | 20.0/10 | | 132 | | | 320 | Dn65 | 2 1/2" | 2850 | 2550 | 1400 | 1605 |
| ZRCW-200SW | 27.8/7 | 26.5/8 | 23.5/10 | | 160 | | | 360 | Dn65 | 75 | 3750 | 3300 | 2200 | 2000 |
| ZRCW-270SW | 34.5/7 | 33.0/8 | 28.0/10 | | 200 | | | 430 | Dn80 | 77 | 4100 | 3300 | 2200 | 2000 |
| ZRCW-330SW | 43.0/7 | 40.0/8 | 37.0/10 | | 250 | | | 540 | Dn100 | 78 | 4750 | 3300 | 2200 | 2000 |
| ZRCW-375SW | 51.0/7 | 50.0/8 | 45.0/10 | | 280 | | | 561 | Dn125 | 78 | 5050 | 4000 | 2000 | 2100 |
| ZRCW-420SW | 56.0/7 | 55.0/8 | 49.0/10 | | 315 | | | 616 | Dn125 | 80 | 5300 | 4600 | 2300 | 2400 |
| ZRCW-470SW | 64.0/7 | 62.0/8 | 54.0/10 | | 355 | | | 704 | Dn150 | 83 | 5300 | 4600 | 2300 | 2400 |
| ZRCW-550SW | 73.0/7 | 70.0/8 | 61.0/10 | | 400 | | | 803 | Dn150 | 85 | 5450 | 5000 | 2350 | 2400 |
| ZRCW-600SW | 81.0/7 | 79.0/8 | 70.0/10 | | 450 | 891 | Dn175 | 85 | 5600 | 5500 | 2590 | 2800 | | |
| ZRCW-670SW | 89.0/7 | 87.0/8 | 77.0/10 | | 500 | 979 | Dn200 | 85 | 5600 | 5500 | 2590 | 2800 | | |