
**TOP REASONS TO SPECIFY SMARTD MAGNETIC BEARING,
OIL-FREE CHILLERS**

1. Most Efficient Chillers in the Industry

- a. Water Cooled IPLV from .31 to .35 kw/ton
- b. Air Cooled IPLV from .56 to .62 kw/ton
- c. Evaporative Cooled IPLV from .41 to .46 kw/ton

2. Most Flexible Chillers in the Industry

- a. Capacity turndown of 80 to 90%
- b. Condenser water turn down to 55°F
- c. Chilled water flow turndown of approx. 70%
- d. Condenser water turndown of approx. 70%

3. Widest Product Range in the Industry

- a. Water Cooled: 60 configurations to 1500 tons
- b. Air Cooled: 25 configurations to 450 tons
- c. Evaporative Cooled packaged: up to 350 tons
- d. Split System: air cooled or water cooled

4. Most Magnetic Bearing Chiller Experience

- a. Manufactures most magnetic bearing chiller per year
- b. Magnetic bearing chiller primary product
- c. We came from Turboacor – the original magnetic compressor

5. No Oil

- a. No degradation of efficiency over time
- b. Lower maintenance – simple maintenance
- c. No compressor rebuild required in life of compressor

6. Very Low Noise

- a. Water Cooled: 85 dbA at 3' – sound level of pump
- b. Air Cooled: 81 dbA at 3' – can install adjacent to building

7. Advanced Controls

- a. Large Integrated touch screen with 200 points displayed
- b. Communication via BACnet, Lon, Modbus, JCI-N2, Siemens-G2, Web
- c. Patented optimize compressor control for up to 8 compressors
- d. Full optimized stand-alone plant controls

