

THE BIGGEST R290 COMPRESSOR

APB100



KEEP YOUR SPACE WARM AND COMFORTABLE

WITH "APB100"

A GREENER SOLUTION OF LARGE-SIZED ALTERNATIVE REFRIGERANT R290 COMPRESSORS.

Thanks to Mitsubishi Electric's "Oval scroll technology", the compressor is suitable for large-sized heat pumps up to 35 kW.

OVAL SCROLL TECHNOLOGY

"OVAL SWIRL" FOR SCROLL COMPRESSOR WHICH IS LEADING-EDGE TECHNOLOGY.

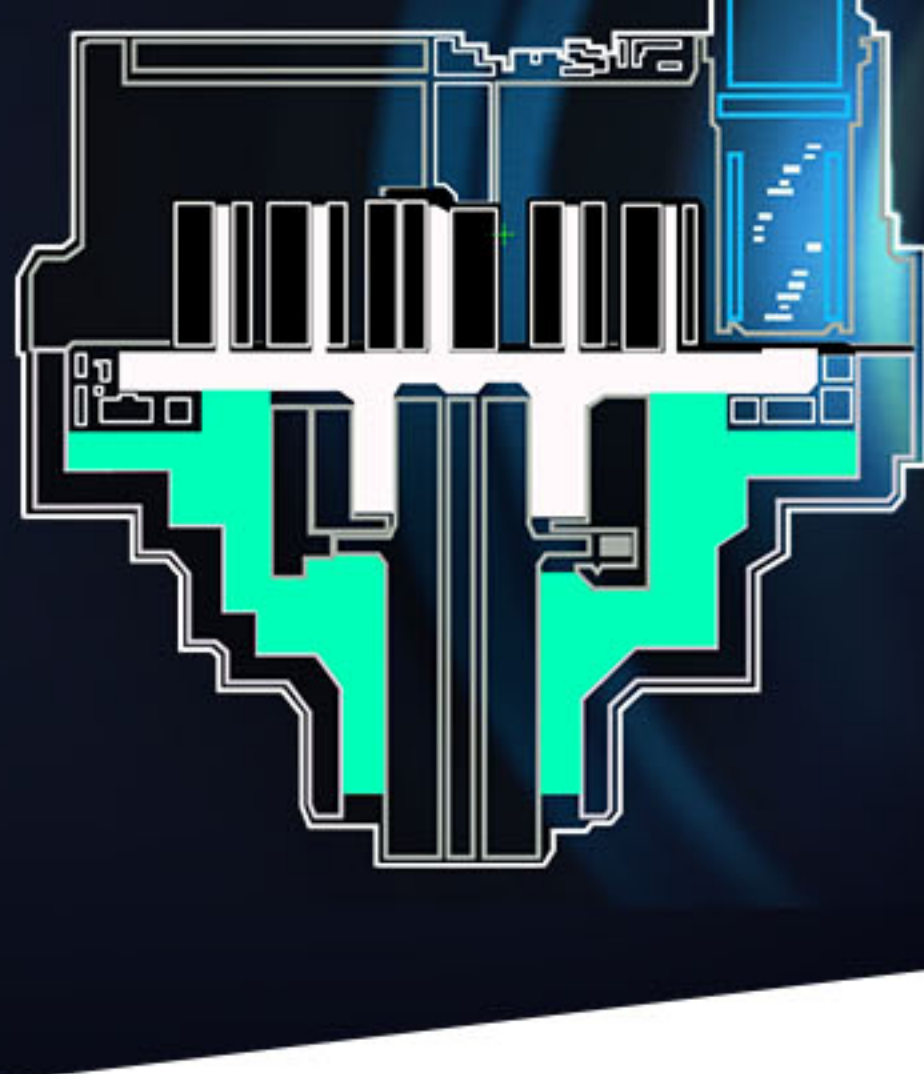
IT IS ABLE TO WIDEN 36%

STROKE VOLUME, WHICH LEADS TO DOWNSIZING COMPRESSOR.



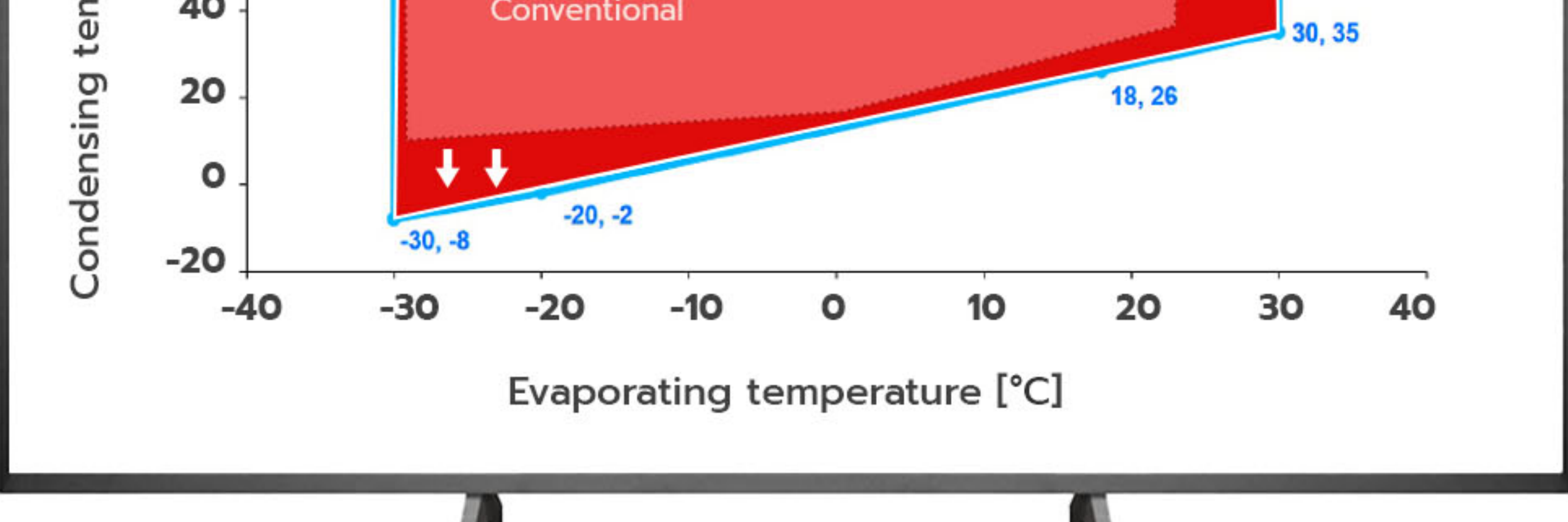
FRAME COMPLIANT MECHANISM

REDUCE FRICTION LOSS AND LEAKAGE LOSS

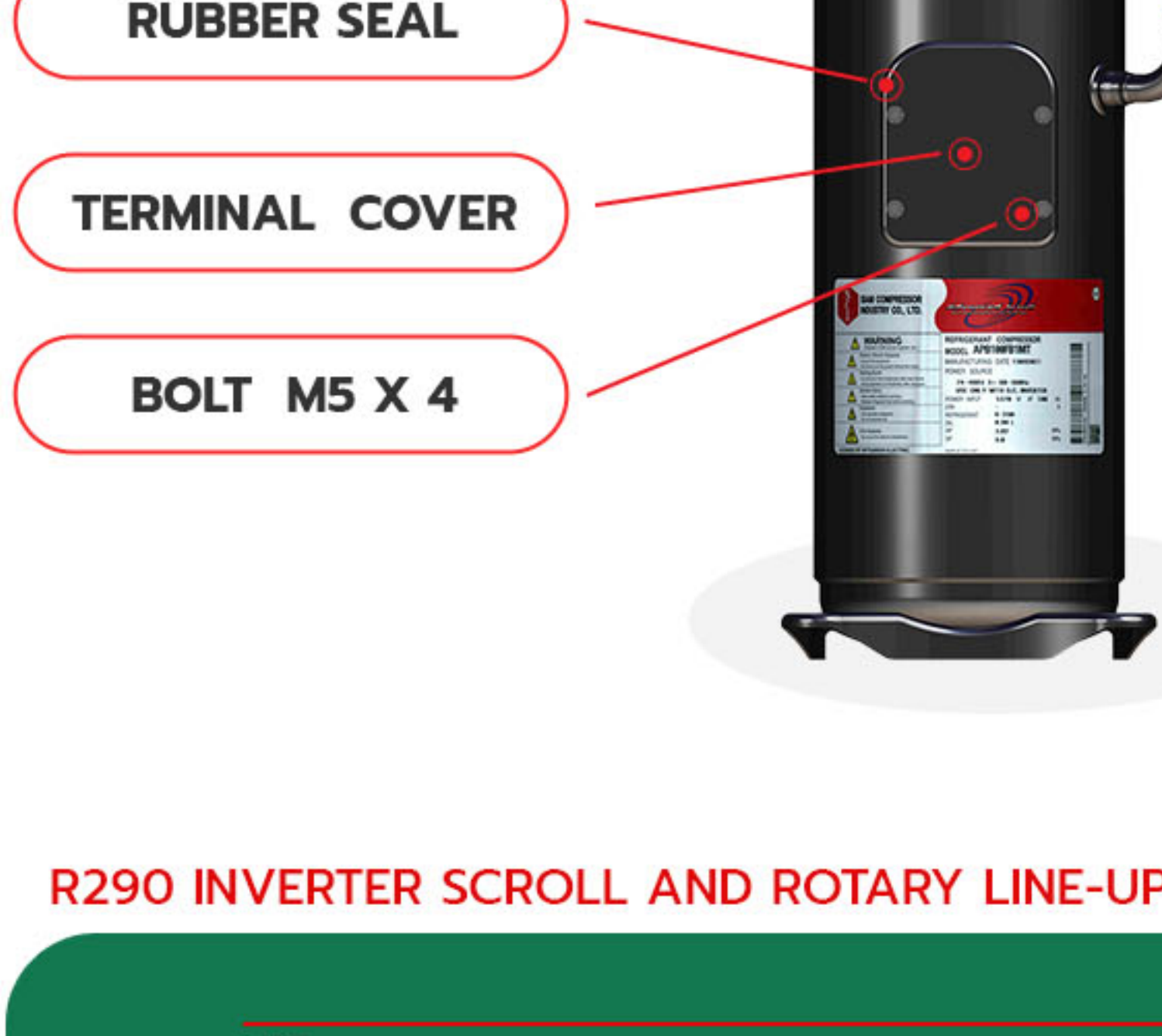


WIDE RANGE OF SCI OPERATING AREA FOR R290

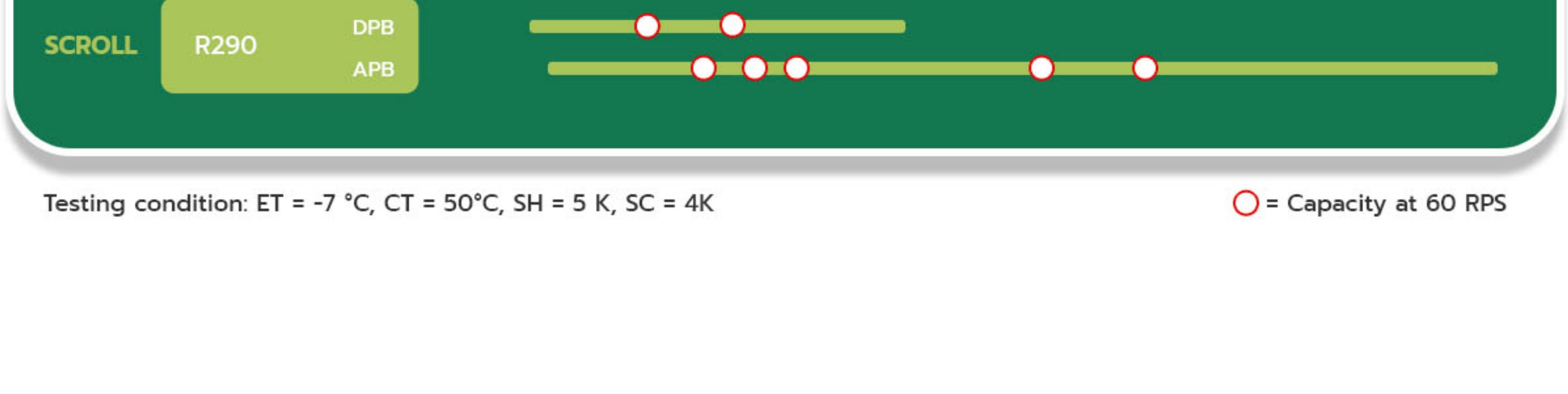
ET-30 °C to 30°C / CT-8 °C to 82°C



ATEX TERMINAL



R290 INVERTER SCROLL AND ROTARY LINE-UP



Testing condition: ET = -7 °C, CT = 50°C, SH = 5 K, SC = 4K

○ = Capacity at 60 RPS

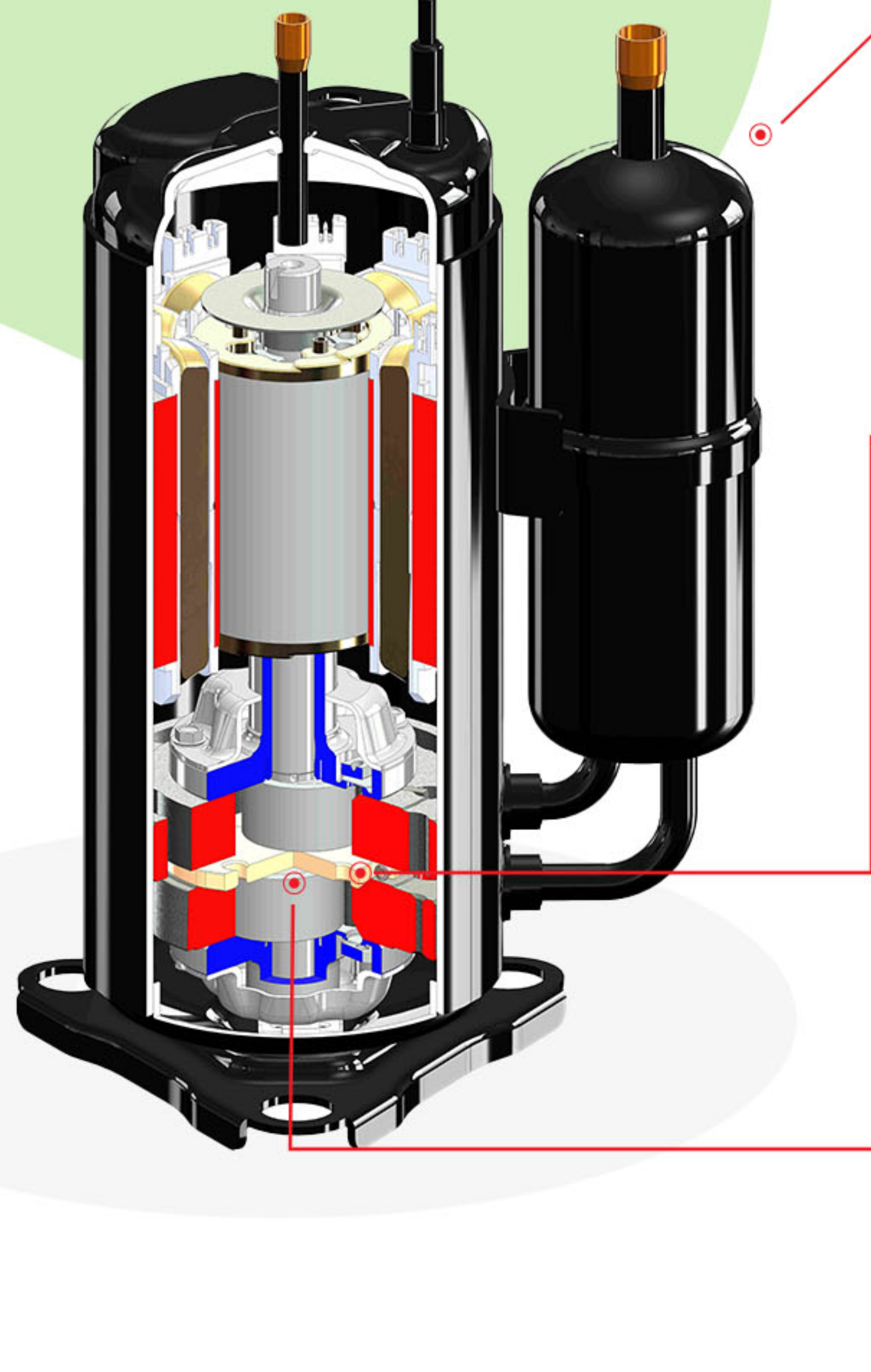
EMBRACING THE COMBINATION OF TECHNOLOGY AND ENVIRONMENTAL CONSIDERATION

SCI, a world-class compressor manufacturer, provides new developing greener solutions of the inverter compressor line-up for R454B heat pump ranging from 1 to 32 kW (SRB and TRB series for inverter rotary, DRB and ARB for inverter scroll).

The environmental-friendly and high-quality SCI inverter series ensures energy saving and comfort

SRB220

NEW R454B INVERTER TWIN ROTARY COMPRESSOR



NEW SCUM M PLATE MECHANISM TECHNOLOGY

REDUCE SIZE 13%

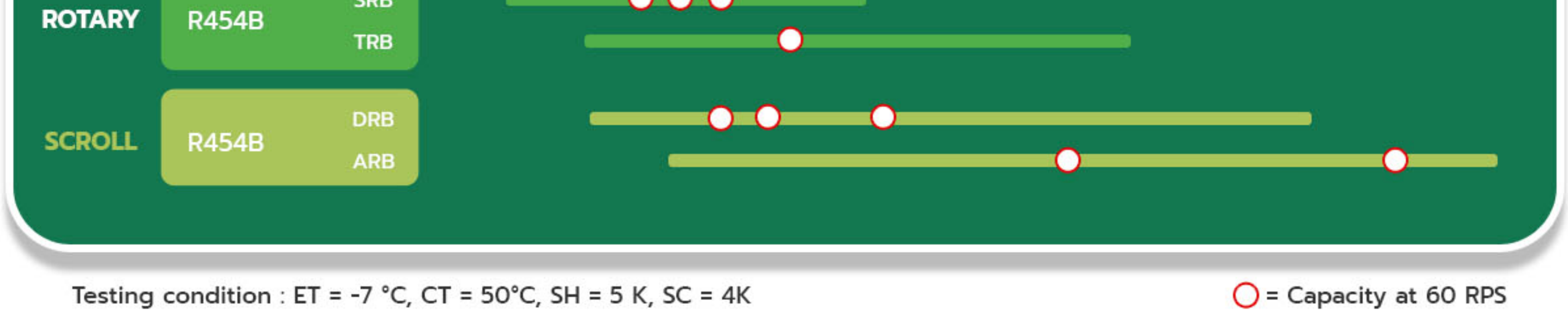
BY MITSUBISHI ELECTRIC PATENTED TECHNOLOGY



LOW NOISE AND VIBRATION

FRIENDLY WITH ENVIRONMENT

R454B INVERTER SCROLL AND ROTARY LINE-UP



Testing condition: ET = -7 °C, CT = 50°C, SH = 5 K, SC = 4K

○ = Capacity at 60 RPS

FOR BEST OPERATION AND FULL EFFECTIVENESS OF INVERTER COMPRESSORS

SCI driver is well-developed to support large capacity up to 12kW, available in 2 heat exchanging systems; liquid cooling and air cooling. Our driver offers longer lifetime and higher safety standard making it one of the worthiest in the market.

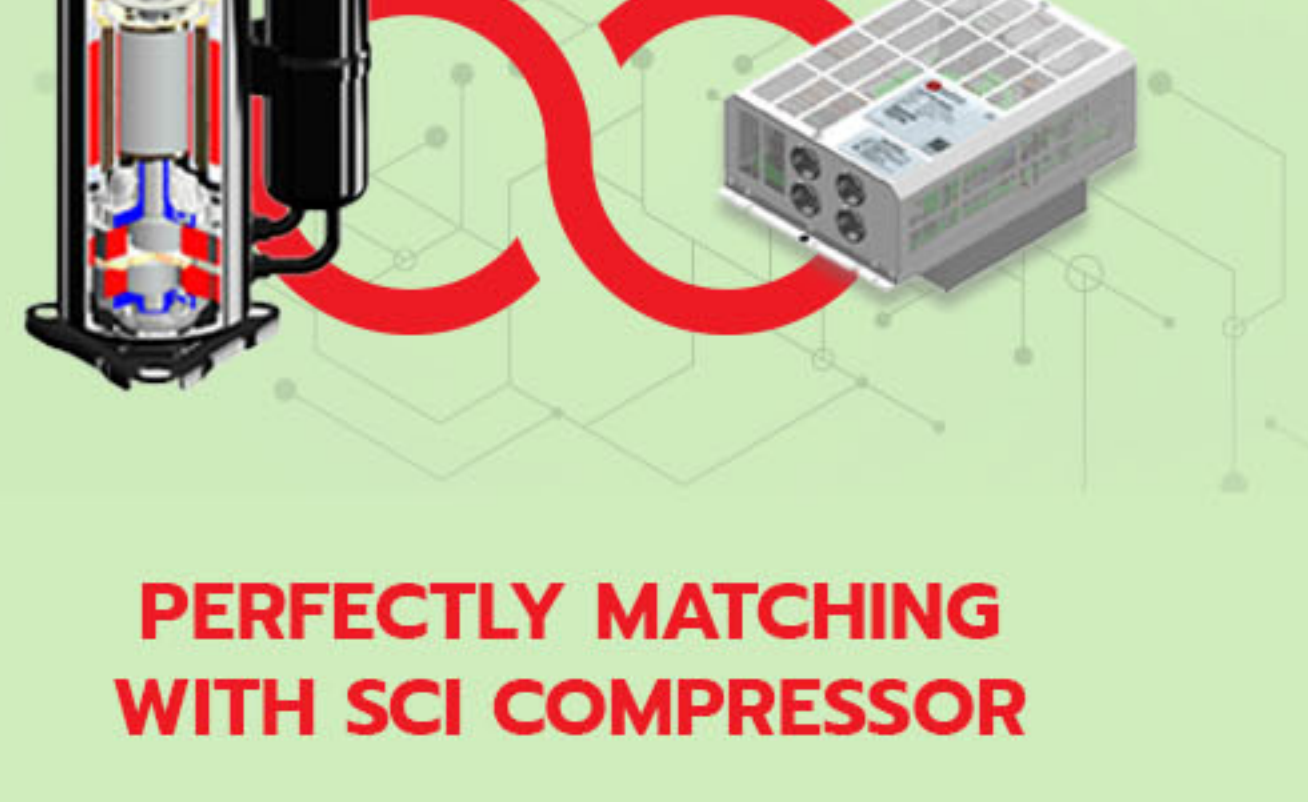
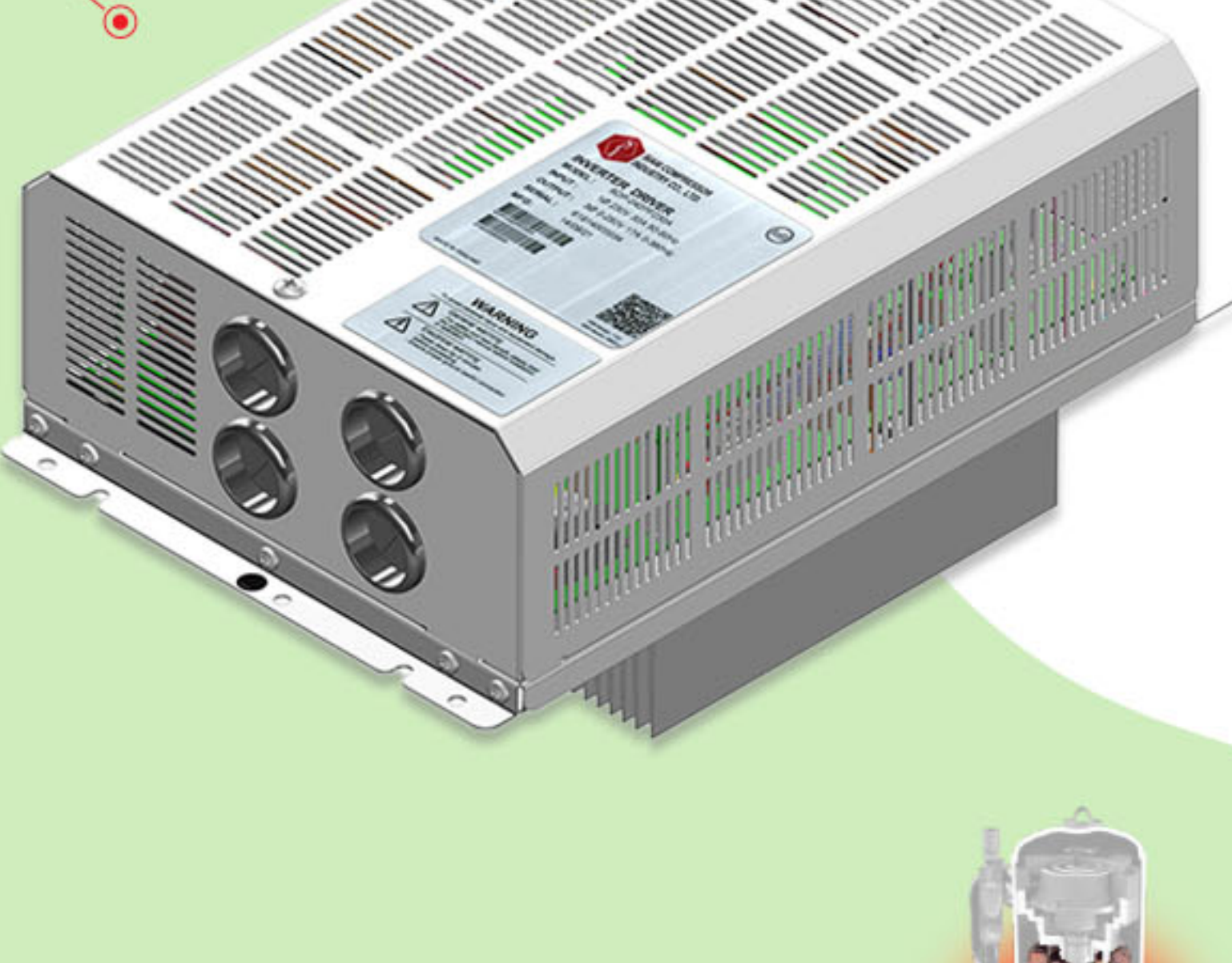
DRIVER 4.2 kW

NEW INVERTER DRIVE



INTELLIGENT RS485 PROTOCOL

It can be programmed to match with user controller and there is no need for new software development



PERFECTLY MATCHING WITH SCI COMPRESSOR



OIL RECOVERY AID FUNCTION



DIRECT HEAT MOTOR COMPRESSOR



WORLDWIDE SAFETY STANDARD



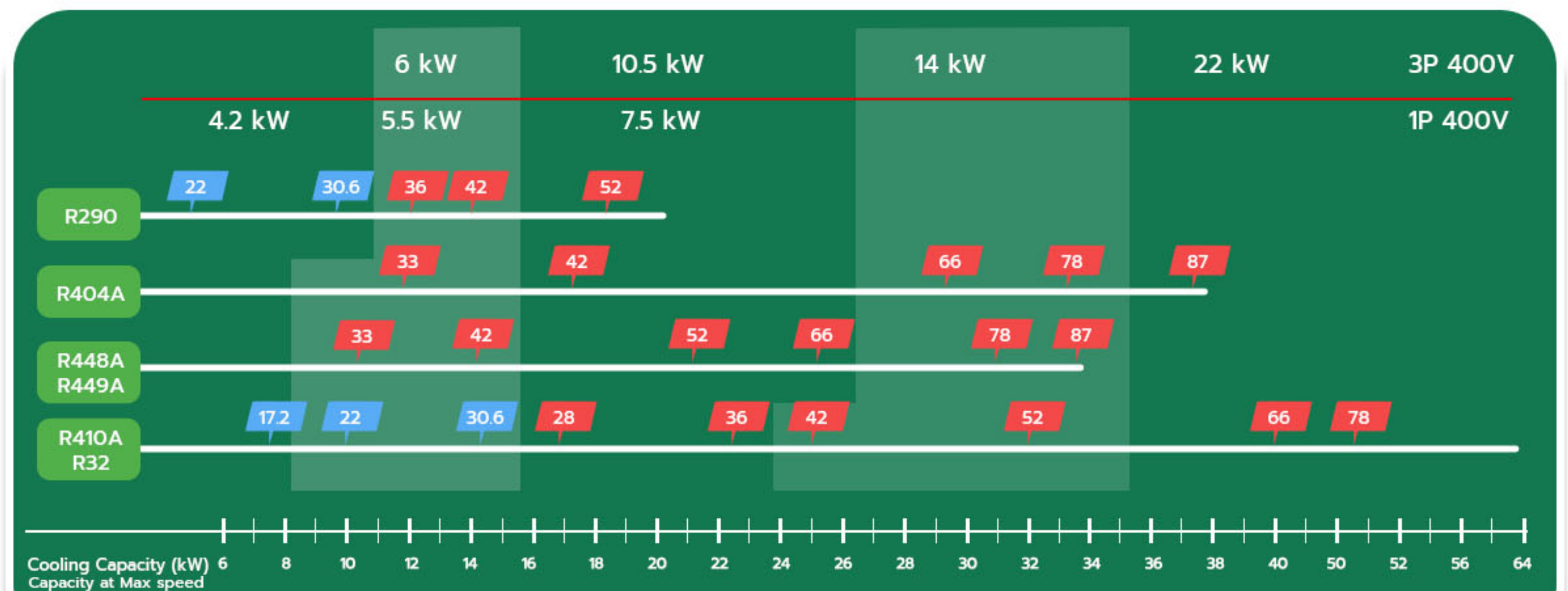
HIGH RELIABILITY



HIGH EFFICIENCY > 95%

SCI INVERTER DRIVE LINE-UP

Number : Stroke Volume (cm³) ● Rotary ● Scroll



Testing condition: ARI