



Scroll Compressor

LG offers an extensive product selection of scroll compressors for fixed speed, two stage modulating and variable speed with optimized inverter driver, to fully support your various business needs and applications

Fixed Speed



Gen2



Large Capacity



Refrigeration



Two-Stage



R1 Compressor™



High Side Shell



Low Side Shell

LG SCROLL COMPRESSOR

Gen2

Strong product line-up, optimized for US unitary market



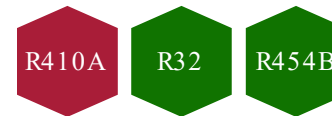
TYPE

Fixed Speed / Low Side Shell

Capacity Range (Ton)

1.5–5

Refrigerant



Feature

Internal Bypass Valve System
Improved scroll wrap and seal design

Application

14+ SEER
Air conditioning and Heatpump

LG SCROLL COMPRESSOR

Light Commercial

Efficient product to meet a various applications' needs



TYPE

Fixed Speed / Low Side Shell

Capacity Range (Ton)

6-10

Refrigerant



Feature

Internal Bypass Valve System
Improved scroll wrap and seal design

Application

Commercial
Air Conditioning and Heatpump

LG SCROLL COMPRESSOR

Two-Stage Modulating

Flexible capacity operation and simple structure



TYPE

Two Stage / Low Side Shell

Capacity Range (Ton)

2-5

Refrigerant

R410A

Feature

Simple Modulation Mechanism
Easy Install and Repair with
External Solenoid Valve

Application

Mid-High SEER /
Residential and light commercial
Air Conditioning and Heatpump,
Water-source Heatpump

LG SCROLL COMPRESSOR

R1 Compressor™

The new type of compressor that combines the high-efficiency of a scroll and simple structure of a rotary



TYPE

Variable Speed

Capacity Range (Ton)

2-5

Refrigerant



Feature

Shaft-through Structure
Groundbreaking Design
Simplified Structure

Application

High to Ultra High SEER
Air conditioning and Heatpump

LG SCROLL COMPRESSOR

High Side Shell

Patented structure and oil management system with reliable operation in a variety of conditions



| TYPE

Variable Speed

| Capacity Range (Ton)

2-5

| Refrigerant



| Feature

Wide Operating Range (up to 150Hz)
Patented Bearing Structure

| Application

Mini Ductless, VRF System

LG SCROLL COMPRESSOR

Refrigeration

For solid and reliable refrigeration system



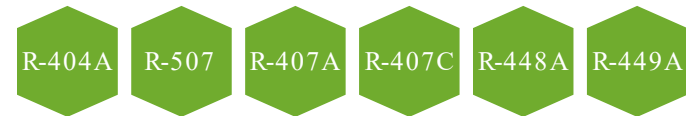
TYPE

Fixed Speed / Low Side Shell

Capacity Range (HP)

1-6

Refrigerant



Feature

Internal Bypass Valve System

Optimized Deep Vacuum Protector

Application

Medium to extended Medium Temperature Refrigeration Applications as walk-in, Reach-in, Soft ice cream/yogurt machine, Frozen beverage, various cooler types.