

# 2-Stage Compressor

## 2 Stages. 1 Efficient Compressor.

LG compressors are built under precise quality standards and exacting durability requirements for the global marketplace. By operating at 2 capacities, the LG 2-stage scroll compressor can function in savings mode in moderate environments and in power mode in high demand situations. By modulating between 2 stages, it runs longer and more efficiently than its single stage counterpart.

### External Solenoid Valve

Designed for easy troubleshooting and solenoid coil replacement

### Optimized Motor

Motor starting torque offers optimized motor starts in both first stage and second stage

### Optimized Ratios

The 2-stage scroll compressor's wrap design optimizes volume ratio, and its bypass ports optimize compression ratios by opening and closing depending on stage

### Future Refrigerants

We are developing 2-stage compressors that will be compatible with low GWP refrigerants like R32 and R454B



**LG**  
**APM030KAA**  
 THERMALLY PROTECTED  
 Protection Thermique

APL01T  
 R410A

1 PH 60 Hz Z08 - 230V ~ LRA 78.1, MCC 22.1

OIL	WEIGHT	RUN CAP.
POE(25.0 oz)	54.2 lb	40 MFD/370 VAC

P/N : Not Fixed    MADE IN KOREA  
 LG Electronics Inc. 

MODEL - APM030KAA  
 S/N : 05CL02E90001

**WARNING**  
 Service should be performed by trained personnel only.  
**ELECTRIC SHOCK HAZARD**  
 - Ground the equipment securely.  
 - Turn off the power before servicing.  
 - Retain terminal cover in position whenever power is applied to this compressor.  
 - Do not operate after repair.

**BURN HAZARD**  
 - Do not touch the Compressor with bare hands  
 - Do not touch the Compressor after stopping instantly.

**EXPLOSION OR FIRE**  
 - Wear safety goggles and pants in system.  
 - Do not connect and experiment under pressure.  
 - Do not connect and lubricants besides.  
 - Do not use refrigerant and lubricants besides.  
 - Make sure to connect right way with valves.

**AVERTISSEMENT**  
 L'entretien doit être réalisé par du personnel qualifié uniquement.  
**DANGER D'ELECTROCUTION**  
 - Mettre le matériel à la terre en toute sécurité.  
 - Mettre le matériel hors tension avant de procéder à son entretien.  
 - Garder la couverture de bornier en position dès que du courant est envoyé à ce compresseur.

**DANGER DE BRULURE**  
 - Ne pas toucher le compresseur en réalité sans attendre qu'il fonctionne ou immédiatement après son arrêt.

**EXPLOSION OU INCENDIE**  
 - Porter des lunettes et un équipement de sécurité : en effet, le système contient des fluides et des composants sous pression.  
 - Ne pas connecter l'équipement ou de lubrifiants autres que ceux qui ont été indiqués.  
 - S'assurer de reconstituer correctement l'appareil aux valves.