



## Service Information

File In/With: —

Supersedes SI0416 (220)

SI0416

REV

820

**Equipment Affected:** YLAA, YLUA, YCWL and YCRL Chillers using Bitzer GSD6 type compressors

Bitzer DV1 Model Scroll Compressor  
Replacement After Failure

### BACKGROUND

This Service Information Letter applies to YLAA/YLUA/YCWL/YCRL chillers in which Bitzer GSD6 type scroll compressors are used.

In order to improve quality and reliability, the scroll compressor vendor has upgraded the GSD6 type compressor from model DV1 to model DV2.

The DV1 model is no longer available. The DV2 model is a drop in replacement and requires no piping modifications. In the event of a compressor failure it is **not** required to change all compressors on a dual or trio compressor configuration as previously stated hence it is not necessary to identify the difference in compressor model numbers. Reference the table below for the DV2 part numbers and oil charge.

Another difference between the DV1 and DV2 compressors are their compressor type number. At the eleventh digit in the DV1 compressor type number, the “B” means 91 oz of oil is charged. At the eleventh digit of the DV2 compressor type, a “D” means 108 oz of oil is charged (an extra 17 oz (0.5 L) of oil).

The DV1 part number is different from the DV2 part number.

**NOTE:** The DV2 part number must be ordered through [Navigator](#) due to design and capability of compressor. Check the table below to find the correct part number.

Voltage	R-410A					
	DV1			DV2		
	Compressor Type	Oil Charge	P/N	Compressor Type	Oil Charge	P/N
208	GSD60154VAB211	91 oz	015-04561-102	GSD60154VAD212	108 oz	015-05117-102
230	GSD60154VAB211		015-04561-102	GSD60154VAD212		015-05117-102
380	GSD60154VAB311		015-04561-103	GSD60154VAD312		015-05117-103
460	GSD60154VAB411		015-04561-104	GSD60154VAD412		015-05117-104
400	GSD60154VAB411		015-04561-104	GSD60154VAD412		015-05117-104
575	GSD60154VAB511		015-04561-105	GSD60154VAD512		015-05117-105
208	GSD60182VAB211	91 oz	015-04560-102	GSD60182VAD212	108 oz	015-05114-102
230	GSD60182VAB211		015-04560-102	GSD60182VAD212		015-05114-102
380	GSD60182VAB311		015-04560-103	GSD60182VAD312		015-05114-103
460	GSD60182VAB411		015-04560-104	GSD60182VAD412		015-05114-104
400	GSD60182VAB411		015-04560-104	GSD60182VAD412		015-05114-104
575	GSD60182VAB511		015-04560-105	GSD60182VAD512		015-05114-105

Work on this equipment should only be done by properly trained personnel who are qualified to work on this type of equipment. Failure to comply with this requirement could expose the worker, the equipment and the building and its inhabitants to the risk of injury or property damage.

The instructions on this service information letter are written assuming the individual who will perform this work is a fully trained HVAC & R journeyman or equivalent, certified in refrigerant handling and recovery techniques, and knowledgeable with regard to electrical lock out/tag out procedures. The individual performing this work should be aware of and comply with all Johnson Controls, national, state and local safety and environmental regulations while carrying out this work. Before attempting to work on any equipment, the individual should be thoroughly familiar with the equipment by reading and understanding the associated service literature applicable to the equipment. If you do not have this literature, you may obtain it by contacting a Johnson Controls Service Office.

Should there be any question concerning any aspect of the tasks outlined in this bulletin, please consult a Johnson Controls Service Office prior to attempting the work. Please be aware that this information may be time sensitive and that Johnson Controls reserves the right to revise this information at any time. Be certain you are working with the latest information.

Product Technical Support