

# *Series 45 Open Circuit Pumps*

*Power and control for all your work function needs*



**SAUER  
DANFOSS**

*What really matters is inside®*

# Series 45

*efficient, reliable, compact, quiet*



Frame K/L



Frame J



Frame F



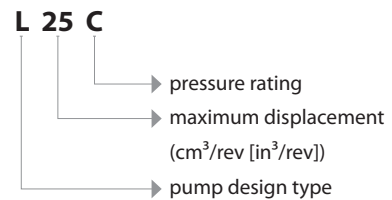
Frame E

## Key features and benefits:

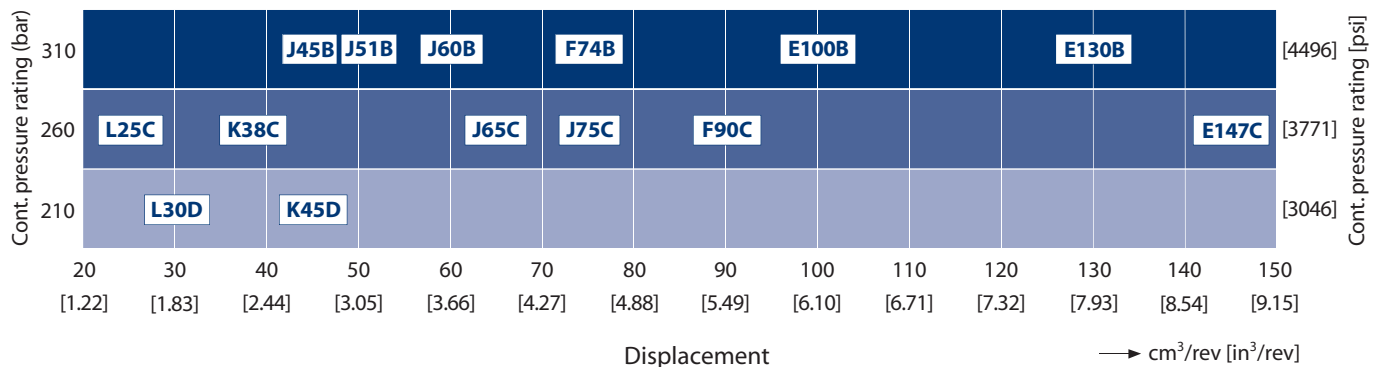
- High efficiency
- High reliability
- Variety of control system options
- Simple, compact design
- Low noise level
- Through-drives capability for multi-circuit systems
- Range of mounting flanges, shafts and porting options for ease of installation

**Series 45** today covers 5 frames (L, K, J, E and F) with a total of 14 displacements from 25 cm<sup>3</sup>/rev to 147 cm<sup>3</sup>/rev [from 1.53 in<sup>3</sup>/rev to 8.97 in<sup>3</sup>/rev]. Each single displacement is optimized for a continuous pressure rating.

Type code in the example below:

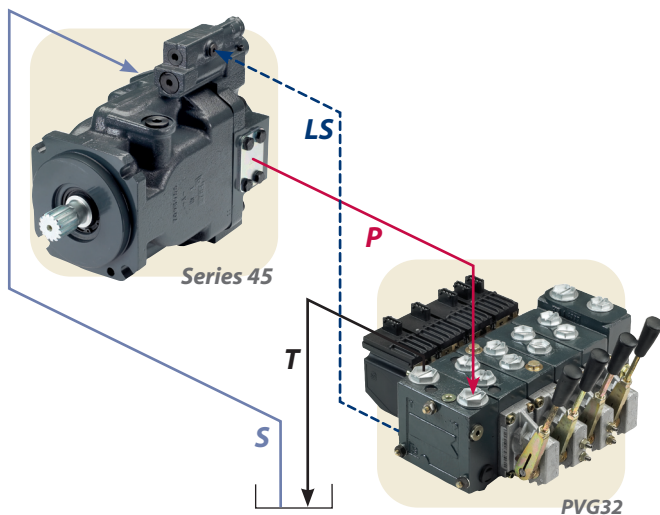


This chart shows how the displacements are arranged with respect to pressure rating



### **System features:**

- For open circuits
- Load sensing and pressure compensated flow controls
- Perfect combination with Sauer-Danfoss PVG valves
- Designed to lower installation costs



### **Load sensing hydraulic system**

Sauer-Danfoss Series 45 pumps and PVG proportional valves are a perfect combination for optimized, low noise, highly responsive hydraulic systems. Both products work together using the load sensing principle for maximum efficiency and conservation of energy.

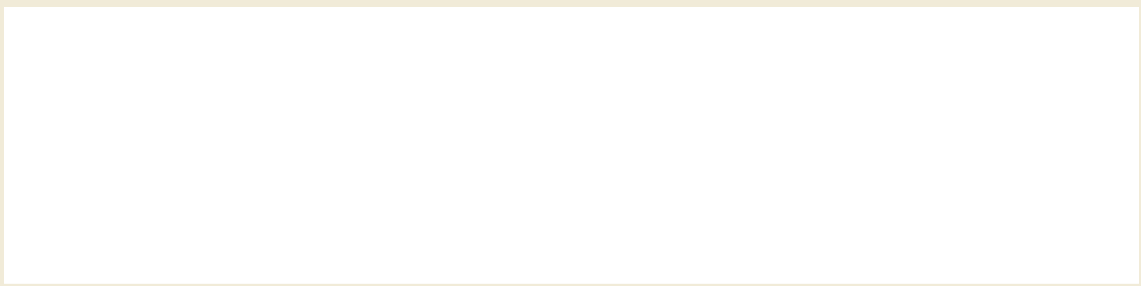
Load sensing controls match pump outlet flow with system demand. This increases efficiency and life over pressure compensated systems. State of the art machinery requires highly efficient hydraulics to reduce fuel consumption, engine emissions, and heat dissipation.

Sauer-Danfoss is a leading global manufacturer of engineered hydraulic systems, components, and electronics to off-highway OEMs in agriculture, construction, road building, materials handling, forestry, and turf care. We have become a preferred supplier by offering the best of what really matters: The hardware inside your vehicle application. Our products and services enable you to develop more cost-effective, higher performing vehicles. It is that simple.

We are able to redesign the complete electrical and hydraulic system architecture on existing machinery to find smarter solutions for tomorrow's advanced vehicle systems. It is all about openness and innovation, really. Open to new ideas and new ways of doing things, we will assist you through all the stages of a given machine development project.

Backed by an extensive manufacturing, distribution, and service network, we are able to provide you with the solution you need, where and when you need it. If you want individual, off-the-shelf components, rely on Sauer-Danfoss. If you want a complete vehicle system built from the ground up, rely on Sauer-Danfoss. If you want it fast, rely on Sauer-Danfoss. Our more than 25 sales companies worldwide, local engineering expertise on all continents, 200-plus distributors, and authorized service-centers around the globe make it happen.

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