Series 45 Open Circuit Pumps

Power and control for all your work function needs





Series 45 efficient, reliable, compact, quiet









Frame K/L

Frame J

Frame F

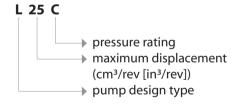
Frame E

Key features and benefits:

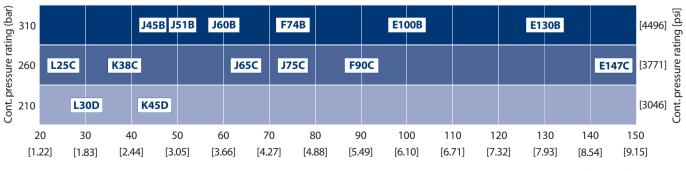
- High efficiency
- High reliability
- Variety of control system options
- Simple, compact design
- Low noise level
- Through-drives capability for multi-circuit systems
- Range of mounting flanges, shafts and porting options for ease of installation

Series 45 today covers 5 frames (L, K, J, E and F) with a total of 14 displacements from 25 cm³/rev to 147 cm³/rev [from 1.53 in³/rev to 8.97 in³/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



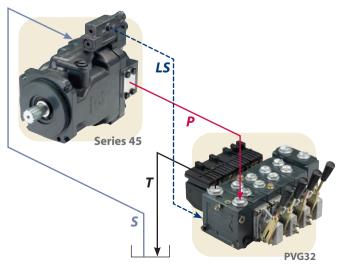
Displacement

cm³/rev [in³/rev]

System features:

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



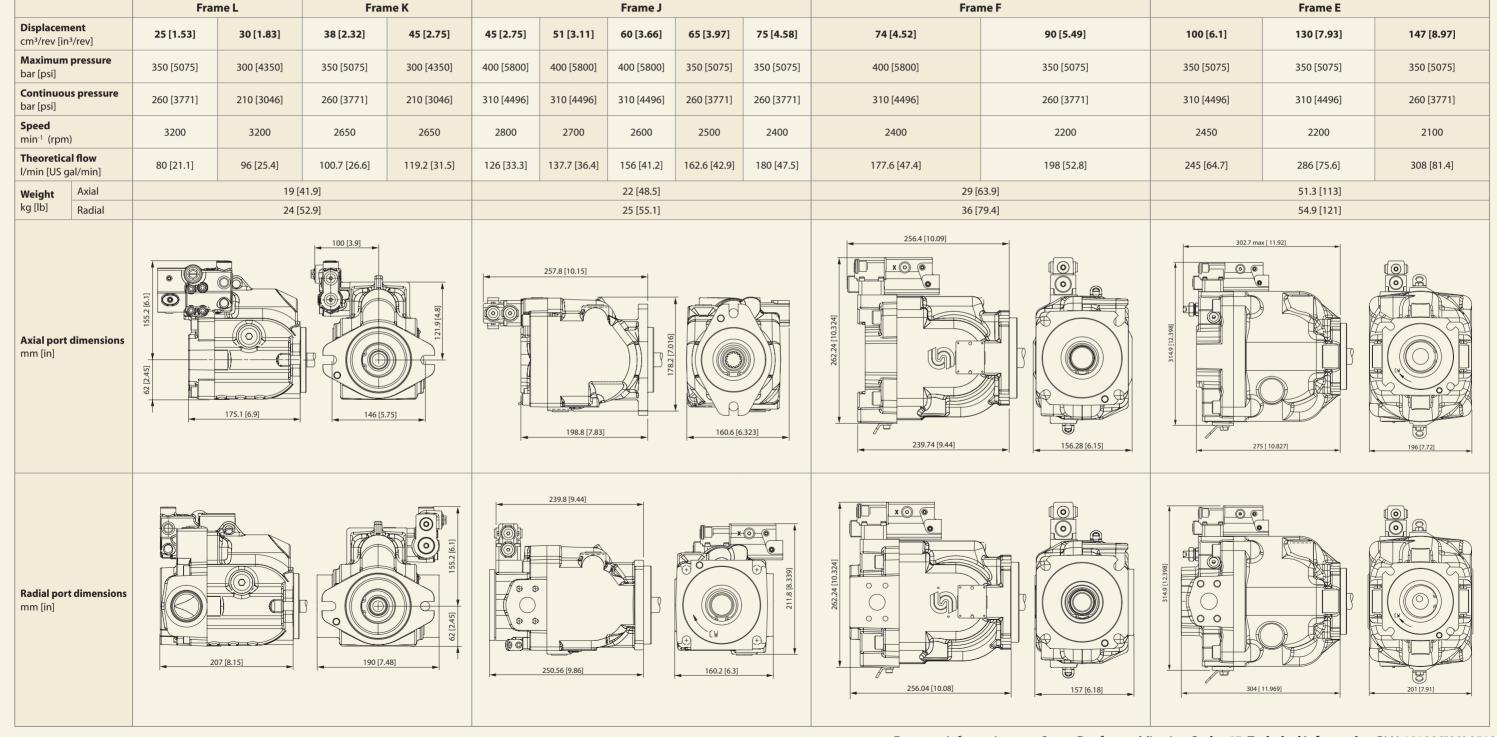


Load sensing hydraulic system

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.

Technical data



Sauer-Danfoss is a comprehensive supplier providing complete systems to the global mobile market. We offer our customers optimum solutions for their needs and develop new products and systems in close cooperation and partnership with them. Sauer-Danfoss specializes in integrating a full range of system components to provide vehicle designers with the most advanced total system design.

- · Hydrostatic transmissions
- · Hydraulic power steering
- Electric power steering
- Electrohydraulic power steering
- Closed and open circuit axial piston pumps and motors
- Gear pumps and motors
- · Bent axis motors
- Orbital motors
- Transit mixer drives
- Planetary compact gears
- Proportional valves

- Directional spool valves
- Cartridge valves
- · Hydraulic integrated circuits
- Hydrostatic transaxles
- · Integrated systems
- · Fan drive systems
- Electrohydraulics
- Microcontrollers and software
- Electric motors and inverters
- Joysticks and control handles
- Displays
- Sensors

Sauer-Danfoss provides comprehensive worldwide service for its products through an extensive network of Authorized Service Centers strategically located in all parts of the world.

Please contact the Sauer-Danfoss representative nearest you.

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