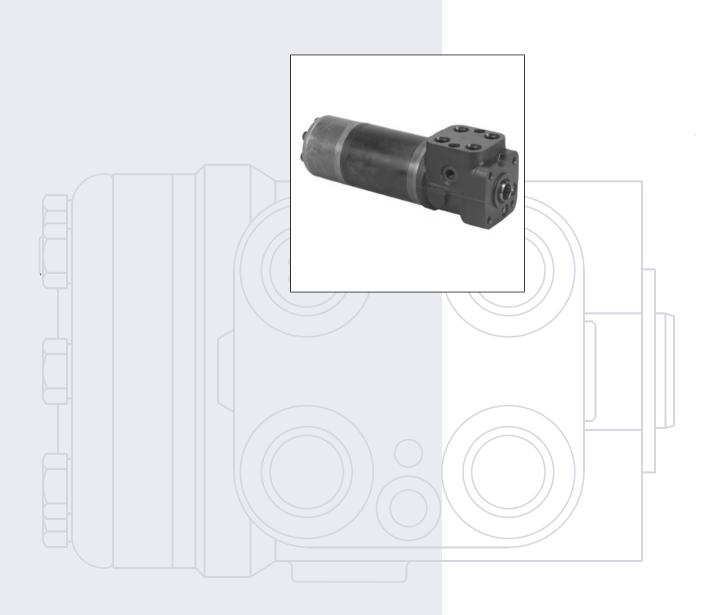


OSPL 1200 Load sensing steering unit

Tech Note





Load sensing steering unit type OSPL 1200

Contens

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Load sensing steering unit type OSPL 1200 Tech Note

Introduction and function

INTRODUCTION

In order to fullfill marked requirements regarding high steering capacity in compact design Sauer-Danfoss introduce a new size of steering unit: OSPL 1200 LS Load Sensing steering unit with extended displacement: 1200 cm³ [73.22 in³]

The pressure limit also has been extended to 240 bar [3481 psi] as maximum steering pressure (P-T).

Use and function

OSPL 1200 LS is a load sensing steering unit specially developed for large displacement in order to minimise flow loss. It is therefore extremely suitable for large vehicles.

Version

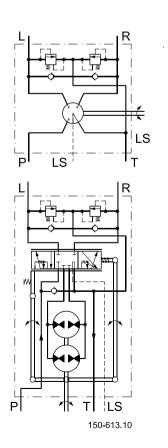
OSPL 1200 LS: Steering unit load sensing for high steering flow.

OSPL 1200 LS is available in the following version: LS Dynamic (non reaction)

OSPL LS

Load sensing dynamic non-reaction







Load sensing steering unit type OSPL 1200 Tech Note

Technical data, Code numbers and weights

TECHNICAL DATA

COMMON DATA: Look in sub catalogue: "General, steering components"

Displacement, flow and pressure: OSPL 1200 LS

Steering unit	Displacement cm³[in³]	Rated oil flow I/min [USgal/min]	Max. pressure on connections					
			P		Т		L, R	
			bar	[psi]	bar	[psi]	bar	[psi]
OSPL 1200 LS dynamic	1200 [73.22]	100 [26.42]	240	[3481]	40	[580]	320	[4641]

ORDERING

OSPL 1200 Load sensing dynamic non-reaction steering unit

OSPL 1200 LS Dynamic steering units in the table below has incorporated the following valve functions:

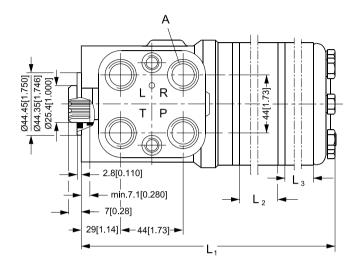
- Shock valves
- Suction valves

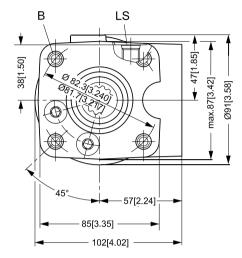
OSPL LS in the table below has soft neutral setting springs

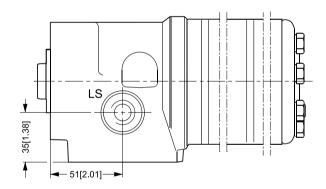
	Code Numbers		
Steering unit	Connections US version for OLS 3/4-16UNF-O*	Weight	
_	⁷ / ₁₆ - 20UNF - O*+S**	kg [lb]	
OSPL 1200	Please contact the Sauer-Danfoss organization	11 [24.25]	

O*: O - ring chamfer on port connections S**: spot face around port connection

DIMENSIONS









150-612.10

A: ³/₄-16 UNF O-ring boss, 15 mm [0.59 in] deep B: M10 x 1.5, 16 mm [0.63 in] deep

LS: ⁷/₁₆-20 UNF O-ring boss 11.5 mm [0.45 in] deep

Steering unit	L1	L2	L3
OSPL 1200 LS	288 mm	104 mm	52 mm
	[11.34 in]	[4.09 in]	[2.05 in]



SAUER Load sensing steering unit type OSPL 1200 Tech Note Notes



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