

大型車向け可変流量制御(V.F.C)ポンプ

Variable Flow Control (V.F.C) Pump for Full-size Vehicles

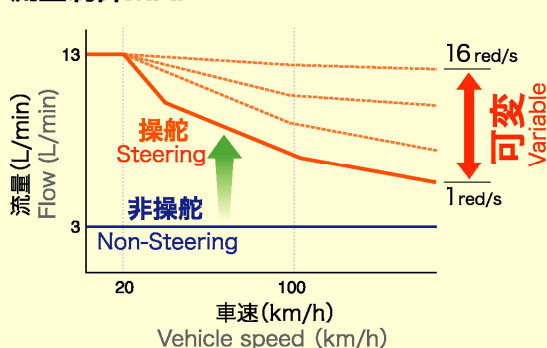
流量制御により省エネに貢献

Contribution to energy saving by flow control

ポンプ主要諸元 Major specifications of pump

理論吐出量 (cm ³ /rev) Theoretical discharge (cm ³ /rev)	6.5 8 9.6	11 13 15
制御流量 (L/min) Controlled flow (L/min)	3~13 (Δmax=8)	
レリーフ圧力 (Mpa) Relief pressure (Mpa)	Max.12	Max.11
回転速度 (min ⁻¹) Rotational rate (min ⁻¹)	Max.9000	Max.8000

流量制御MAP Flow control MAP



● 非操舵時：吐出流量制限によるポンプ駆動トルク損失低減

Non-steering : Less pump driving torque by discharge control
(energy saving performance improved)

● 操舵時：車速や操舵状況に適した流量制御により操舵感を向上

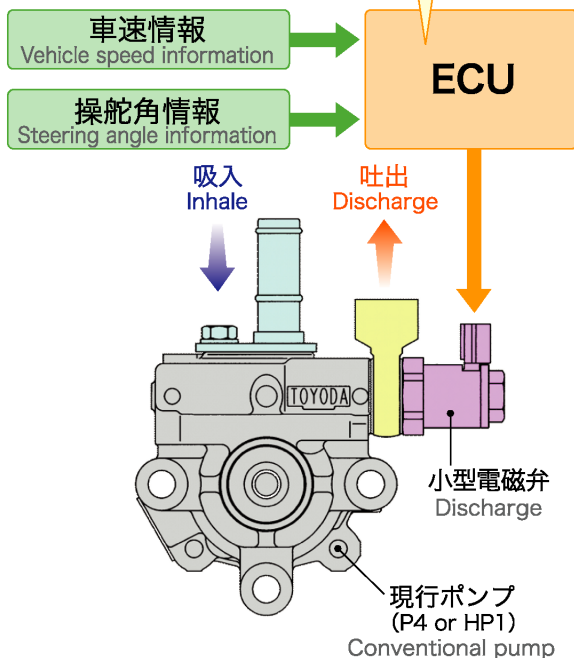
Steering : Better steering feel by flow control responding to vehicle speed and steering conditions.

特長 Features

現行ポンプに小型電磁弁を装着し、(車速・操舵角)情報に応じて吐出流量を制御

A small magnetic valve assembled to the conventional pump controls discharge according to information (vehicle speed, steering angle).

効果 Effect



省エネ性

Energy saving performance

