

Black Bruin

On-Demand
Drive System



An aerial photograph of a winding asphalt road that curves through a dense, green forested mountain. The road starts from the bottom left and winds its way towards the top right of the frame. The terrain is rugged with varying elevations and deep shadows within the forest canopy. The overall scene is serene and scenic.

On-Demand **Drive** System

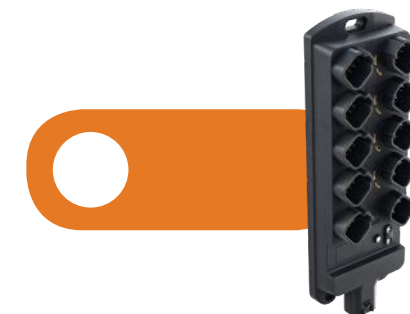
Fully integrated

Everything under control



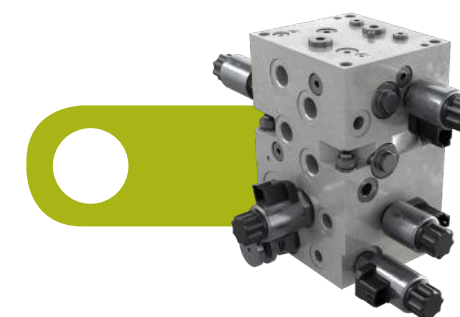
Display

The user controls the system functions and gains information on its operation via the display unit.



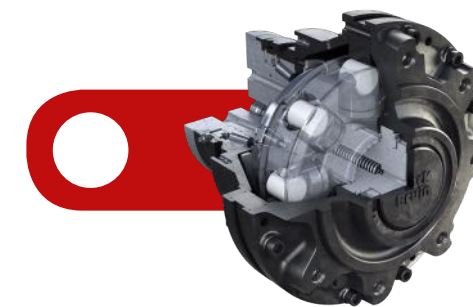
Control device

The control device contains the software for controlling the valve. It also includes automated functions.



Valve

The hydraulic valve includes all necessary functions for drive control. Valves are available for 2WD and 4WD configurations.



Hydraulic motor

Black Bruin wheel motor puts its tractive power just where it is most needed - under the load!

Smooth control

Enjoy your work

The Black Bruin On-Demand drive system is a complete transmission solution for tractor-driven trailers and working equipment. The system enables smooth operation of the equipment and is designed for agricultural, forestry and earth-moving applications which often require tractive power in harsh conditions and varying terrain.

The heart of the system is the Black Bruin wheel motor which generates tractive power always when needed and for road speeds, can be freewheeled without active hydraulics.

Black Bruin On-Demand drive system is suitable for various tractor/trailer configurations. A simple and reliable system is an easy solution for an equipment manufacturer due to less time spent on system integration.



Easy to use

The user-interface is easy to manage



ATC

Assisting traction control function



Safe and reliable

Automated functions and self-diagnostics ensure the correct operation of the system. System includes also protection against connection failures.



Smooth drive control

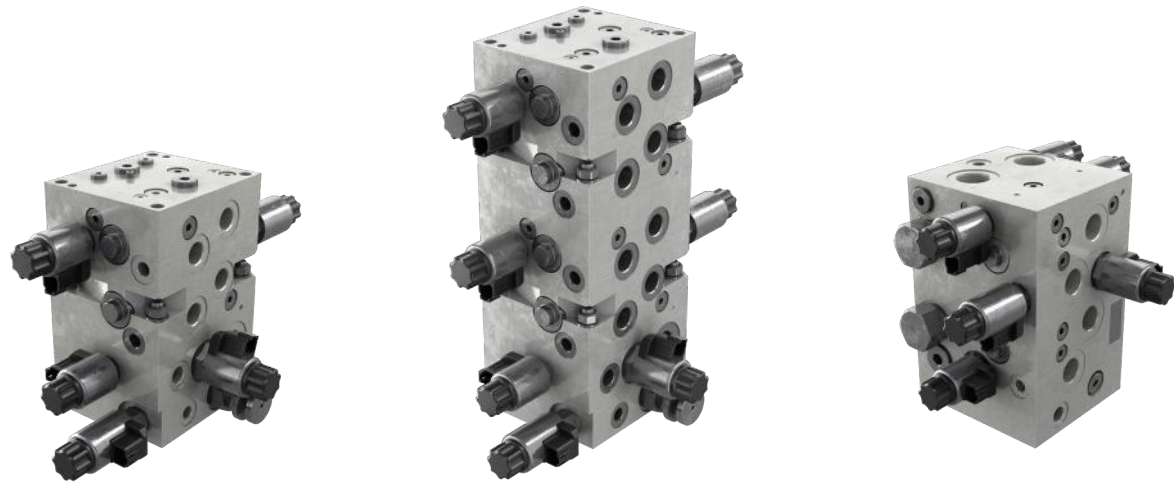
Whether you drive off-road or on-road, the On-Demand Drive System includes functions for various operating situations: Driving direction selection, tractive power adjustment, speed range control, freewheeling and assisting traction control (ATC).



Specifications

Display	
Type	2,8" colour display
Control type	Push-button
Protection class	IP 67 (installed) / IP 65 (not installed)
External dimensions [mm]	87,5x87,5x37,8
Operating temperature	-20...+70 C
Mounting type	Panel mount / Mounting arm

Control device	
Connector type	DEUTSCH / AMP
Operating voltage	12 V DC
Protection class	IP 65, connectors attached: IP 67
External dimensions [mm]	234,2x76x40,5
Operating temperature	-40...+85°C



Valve models	CVM120 / 2WD	CVM120 / 4WD	CVU200 / 2WD
Max. pressure level [bar]	350	350	350
Max. flow rate [l/min]	120	120	200
Operating voltage	12 V DC	12 V DC	12 V DC
Compatible pump	Load-sensing (LS) or fixed displacement	Load-sensing (LS) or fixed displacement	Load-sensing (LS)
Functions	Driving direction selection, tractive power adjustment, speed range control, freewheeling and assisting traction control (ATC)		

More technical specifications can be found on the product manual. Visit:

www.BLACKBRUIN.com

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