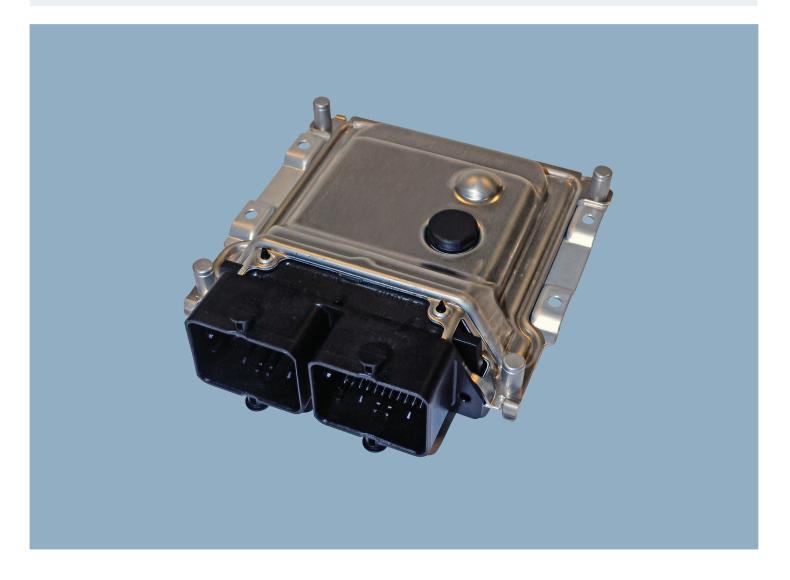


AFC45 Fan Control Software for the RC4-5 Controller





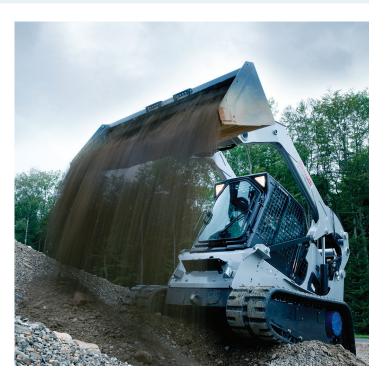
Rexroth hydrostatic fan drives bring a breath of fresh air to every industry

Advantages at a glance

- Simple configuration without programming
- Up to two cooling circuits (each with a separate pumpmotor combination)
- Up to six temperature signals per cooling circuit (analog/J1939)
- Up to three input signals (digital/analog) per cooling circuit for changing characteristics of fan drive control, e.g. reversing or standstill functions

Applications

- Agriculture
- Municipal
- Construction
- Forestry











RC4-5 / 30 Controller

Specifications

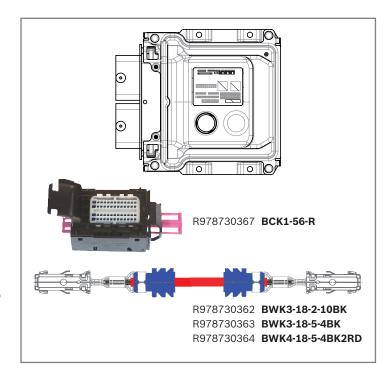
▶ 32 Bit TriCore Processor

Technical data

- Microcontroller TC1724
- Clock Frequency 80 MHz
- ► Supply voltage 8 32 VDC
- ► EMC 200 VRMS/m
- Operating Temperature (-40 to +85 °C)
- IP66 Protection

Connector Kits / Wire Kits

New connector kits (BCK), and wire kits (BWK) come with everything you need to quickly create and assemble a wire harness for your new RC4-5 controller. The wire kits come with pre-crimped pins, alleviating the need to purchase crimp tools. Wire kits can be ordered in various lengths, as well as black or red colored wire.

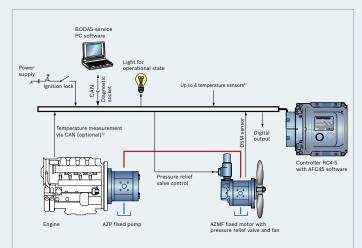


> A10VO...ED variable pump

1) Up to four temperature variables can be assigned either CAN or sensor values.

AZM fixed motor with far

▼ AFC45 hydraulic concept B



¹⁾ Up to four temperature variables can be assigned either CAN or sensor values

▼ AFC45 hydraulic concept A

Engine

AFC45 Fan Control Software Highlights

- The AFC45 Fan Control Software supports diagnostic trouble messages (DM1/DM2 via J1939)
- Infinitely variable fan drive for regulating oil, water, charge air, and/or environmental temperatures
- Reduction of fuel consumption by cooling on demand
- Reduction of noise at idle speeds

allable ECUs		Parameter Rezroi Perameter vilues av displand and on be edded. Bosch Groc																				
- RC4-5/30	SN: 00000451 HwCede: 0003DA	Parameter Learning curves																				
DSD0_RC4-5	Falures: 4/3																					
Parameter		1 DSD Menu 1	_	_	_	_	_	_	_	_	_	_	_	_	_	_			-	_	_	
Processdata		1.1Ramps																				
I/O Status view		120ments	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_		_
Custon view Error messages		1.2 Currents	_	_	_	_	_	_	_	_	_	_	_	_	_	_				_		
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		1.2.28 Maximum Current	5				• •		• •	- , ,	• •					•	1		• •	3,500	1,500 📩 mA	STD
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		1.2.48 Nudge Current	0		•			•								•				1000	500 👔 mA	STD
		1.2.5 A Threshold Current	5 '	J . .							• •				1.0	1	<u>, i</u>			3,500	150 📩 mA	STD
		1.2.6 8 Threshold Current	5 '	·							• •						1		• •	3,500	150 📩 mA	STD
		1.3 Times																				
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		2.4Frequency 2.05D Menu 2	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	-	_	_
Dagnosis		2.1 Joyetek	_	_	_	_	_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_
Plash Tool Configurator																						
4.60		Show only menues Show gro	ps Show	al paramete	111 (III)	te for filtering															Update interval	1,000

Available ECUs		Process Current values for analo	Death Car
RC4-5/30	SN: 00000451 HwCode: 0003DA	1.1050 Digital Insues	
DSD0_RC4-5	Failures: 4/3	1.2050 Analog Input	
 Parameter Processdata 			
1/0 Status view		1.3 System 1	
Custom view			
> Error messages		3.1 Battery Voltage	12.595 V
		3.2 Valage 191	12.519 v
		3.3 Voltage V551	4005 V
		3.4 Voltage VS52	4.999 V
		3.5 Valuese 1953	5.809 V
		3.6 Vidage 1554	8.395 V
		3.7 Igniton	ON
		3.6 Temperature 1	32 deg C
		1.4 System 2	
Degrosis	_		
Mash Tool	_		
Configurator			Update internal
		Show groups Show all process variables Write for filtering	Update interval

Bodas-service tool

With the BODAS-service software, the programs can be quickly and simply downloaded to the controller via the Flash module. Extensive service functions, such as diagnostics, parameter setting or display of process variables are available via the graphical Windows interface of BODAS-service. This enables simple parameter setting and diagnostics in order to place the machine in service quickly and safely.

Less emissions, lower cost. Hydrostatic fan drive systems from Rexroth.

Electronically controlled hydrostatic fan drive systems from Rexroth reliably keep combustion engines at their optimum operating temperature, even under the most difficult of application conditions. This enables mobile equipment, buses, and commercial vehicles to comply with strict emissions regulations for exhaust gas and noise. Rexroth system solutions with axial piston pumps, external gear motors, polymer and steel tanks, valve technology, sensors and mobile electronics provide exactly the cooling output needed, regardless of the speed of the combustion engine, and even reduce fuel consumption by up to 5%.









Bosch Rexroth Corporation

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Find your local contact person here:

www.boschrexroth-us.com/contactus

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