

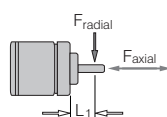
# VARIODRIVE Compact gearmotor

VDC-3-54.14-D



- 3-phase external rotor motor in EC technology for gear applications.
- Dynamically balanced rotor with 4-pole, plastic bonded ferrite magnet.
- Integrated operating electronics with powerful microcontroller.
- Excellent control response due to digital 4-Q PI controller.
- Analogue set value.
- Available in various reduction ratios.

Nominal data	Gear ratio	Gear stages	Nominal torque	Speed range	Mass	Order No.
Type	i		Nm	rpm	kg	
VDC-3-54.14 B00-D/11	11,3 : 1	2	1,2	27 to 354	0,9	947 5414 610
VDC-3-54.14 B00-D/16	15,9 : 1	2	1,7	19 to 252	0,9	947 5414 611
VDC-3-54.14 B00-D/26	26,4 : 1	2	2,8	11 to 152	0,9	947 5414 612
VDC-3-54.14 B00-D/39	38,6 : 1	2	4,1	8 to 104	0,9	947 5414 613



$F_{axial}$  50 N  
 $F_{radial}$  150 N  $L_1$  17 mm

Permissible shaft load at nominal speed and life expectancy  $L_{10}$  at 5 000 h (at  $T_U$  max. 40°C).

## Gear type D

Multi-stage spur gear in die-cast zinc body.  
 Grease lubrication for maintenance-free continuous operation.  
 Shaft output with combined sleeve / needle bearing.  
 Reversible direction of rotation.

