

brushless EC motor, external rotor (integr. electr.) with planetary gearhead Performax 63

VDC-3-49.15-B00-K4 - Performax 63



Characteristics of the drive solution

Typ	Unit	Value
Order number	-	VG.VDC4915BK4.P63.2.30
Output power	W	81.0
Output torque	Nm	5.8
Output speed	rpm	133.0

Motor

Typ	Unit	Value
Type of motor	-	brushless EC motor, external rotor (integr. electr.)
Motor designation	-	VDC-3-49.15-B00-K4
Voltage	V	24
Output speed	rpm	4000
Nominal power	W	100.0
Rated current	A	5.2
Torque	Ncm	23.9
weight of Motor	kg	0.59

Gearbox

Typ	Unit	Value
Type of gear	-	planetary gearhead
name of gearbox	-	Performax 63

No of reduction stages	-	2
Untersetzung	-	30.0
Max. nominal torque	Nm	17.0
Efficiency	-	81%
Output shaft bearing	-	combined sliding / ball bearing
Lubrication	-	maint. free-grease lubricated for life
Gearhead play	-	about 0.7° to 1.2°