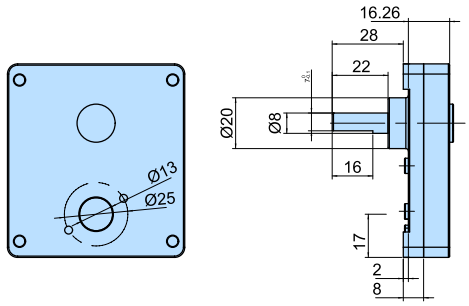
VF

11 ratios · 3 motor interfaces





Shown: VFL1S000-5. All dimension drawings are on Sheet 2. Dimensions in mm.

RATIO SELECTION & PERFORMANCE

Model	Ratio :1	Gear stages	Length L mm	Max. cont. torque kgf.cm	Breaking torque kgf.cm	Efficiency %	Reference weight g
VF-36K	36	3	76.2	10	30	73	270
VF-66K	66	3	76.2	10	30	73	270
VF-94K	94	3	76.2	10	30	73	270
VF-139K	139	4	76.2	20	60	65	279
VF-155K	155	4	76.2	20	60	65	279
VF-196K	196	4	76.2	20	60	65	279
VF-219K	219	4	76.2	30	90	65	279
VF-277K	277	4	76.2	30	90	65	279
VF-392K	392	5	76.2	30	90	59	285
VF-555K	555	5	76.2	30	90	59	285
VF-833K	833	5	76.2	30	90	59	285

Reference weights are based on one measured gear ratio per stage configuration.
Actual weight may vary with the selected gear ratio.

MECHANICAL, MATERIALS & OPERATION

Housing L × W × H	76.2 × 69.8 × 18 mm	Operating temperature	-30 ~ 65 °C
Output shaft diameter	8 mm	Housing material	Zinc Alloy (Die casting)
Pinion hole diameter	φ 3.17 / φ 5 mm	Gear material	Powder Metallurgy (Fe) / Plastics / Steel
Axial play	0.35 mm	Gear design	Helical Gear / Spur Gear
Radial play	0.1 mm	Output shaft bearing	Sleeve Bearing
Backlash	3°	Lubricant	FUMIO
Gear module	0.4 / 0.5 / 0.6 / 0.8		

CONFIGURATION | COMPATIBLE MOTORS

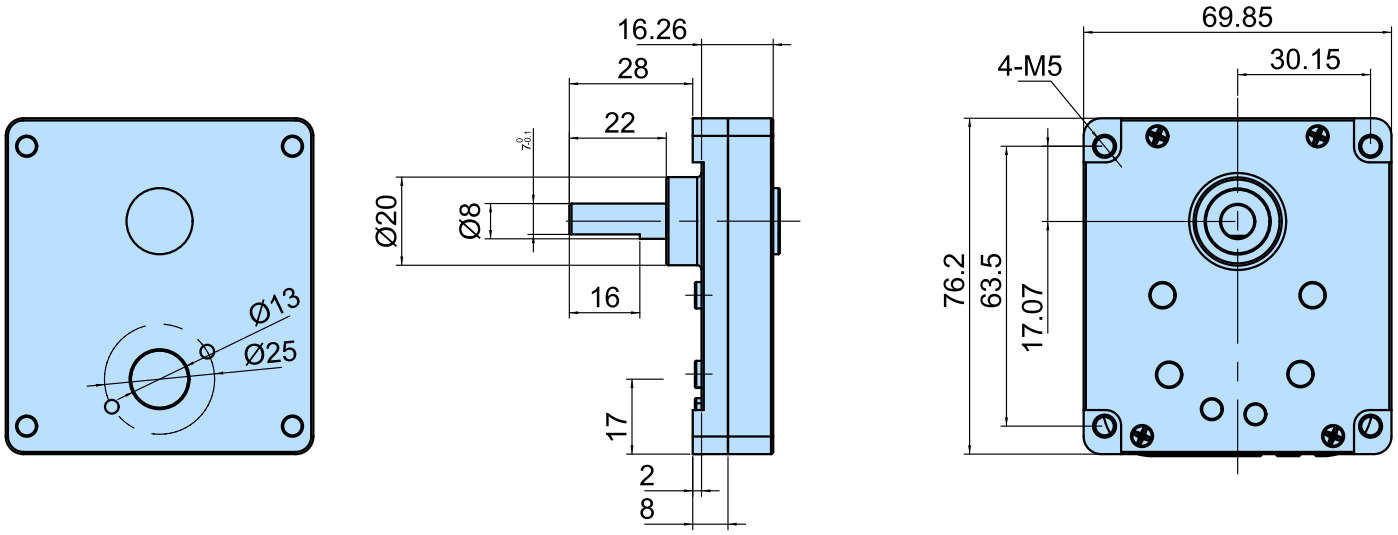
Mounting pattern	Compatible motor models	Motor type
-5	DC555 / BL36 / BLX39	Brushed / Brushless DC
-7	DC775 / BL42 / BLX48	Brushed / Brushless DC
-YJ61	AC-YJ61	AC shaded-pole motor

Mounting pattern and motor interface must match the selected assembly.

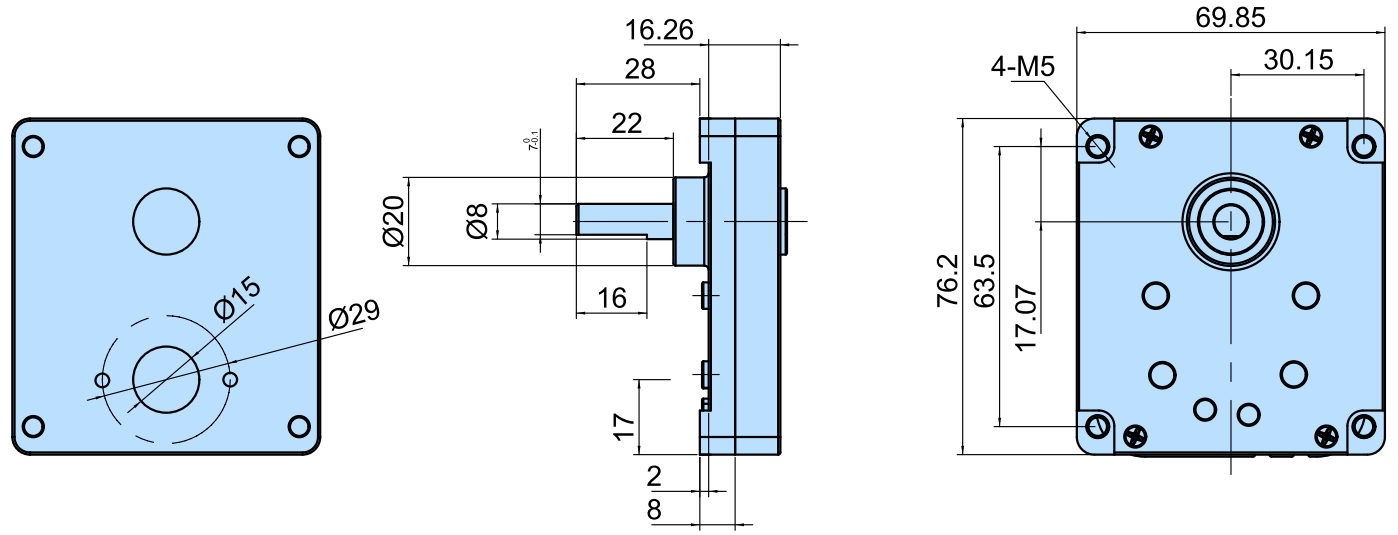
VF | DIMENSIONS & MOUNTING

Dimensions in mm · Do not scale · Select the mounting variant to suit the motor interface

VFL1S000-5 Mounting pattern -5 | DC555 / BL36 / BLX39



VFL1S000-7 Mounting pattern -7 | DC775 / BL42 / BLX48



VFL1S000-YJ61 Mounting pattern -YJ61 | AC-YJ61

