

## BS138F DC-motor with gearbox



### Motor data

Motor order number	Type	Nominal voltage (V)	Current at max. torque (mA)	Ratio	Maximum torque (mNm)	Speed at no load (rpm)	Speed at max. torque (rpm)	Diameter (mm)	Length (mm)
130-07-06-0012	BS138F-6-12	6	100	12:1	15	220	155	35/32	40
130-07-06-0021	BS138F-6-21	6	100	21:1	25	125	85	35/32	40
130-07-06-0036	BS138F-6-36	6	95	36:1	40	73	53	35/32	40
130-07-06-0072	BS138F-6-72	6	95	72:1	70	37	28	35/32	40
130-07-06-0149	BS138F-6-149	6	95	149:1	140	18	13	35/32	40
130-07-06-0208	BS138F-6-208	6	95	208:1	200	13	9	35/32	40
130-07-06-0608	BS138F-6-608	6	90	608:1	500	4,3	3,3	35/32	40
130-07-06-1470	BS138F-6-1470	6	58	1470:1	500	1,8	1,6	35/32	40
130-07-12-0012	BS138F-12-12	12	55	12:1	15	220	155	35/32	40
130-07-12-0021	BS138F-12-21	12	55	21:1	25	125	85	35/32	40
130-07-12-0036	BS138F-12-36	12	50	36:1	40	73	53	35/32	40
130-07-12-0072	BS138F-12-72	12	50	72:1	70	37	28	35/32	40
130-07-12-0149	BS138F-12-149	12	50	149:1	140	18	13	35/32	40
130-07-12-0208	BS138F-12-208	12	50	208:1	200	13	9	35/32	40
130-07-12-0608	BS138F-12-608	12	48	608:1	500	4,3	3,3	35/32	40
130-07-12-1470	BS138F-12-1470	12	30	1470:1	500	1,8	1,6	35/32	40
130-08-12-0012	BS138F-4/12-12	12	80	12:1	15	320	250	35/32	40
130-08-12-0021	BS138F-4/12-21	12	80	21:1	25	190	150	35/32	40
130-08-12-0036	BS138F-4/12-36	12	80	36:1	42	108	86	35/32	40
130-08-12-0072	BS138F-4/12-72	12	80	72:1	82	54	43	35/32	40
130-08-12-0149	BS138F-4/12-149	12	80	149:1	150	27	20	35/32	40
130-08-12-0208	BS138F-4/12-208	12	80	208:1	200	19	14	35/32	40
130-08-12-0608	BS138F-4/12-608	12	75	608:1	500	6,5	5,3	35/32	40

### General data

Spark suppression	VDR
Maximum radial shaft load	20 N
Maximum axial shaft load	5 N
Mass of motor	90 grams
Temperature range	-20°C to +60°C

### Dimensional drawing

