

D.C. miniature gear-motors



**micro
motors** s.r.l.



t e c h n o l o g y i n m o t i o n





general guide

gear - motors



TYPE		1271	B138F BS138F	B138F.4/12 BS138F.4/12	HL149	HV155	1308	E192	P205
Voltage	V	4-6-12	6-12	12	12-24	12-24	12-24	12-24	12-24
Reduction		10 ÷ 392	12 ÷ 1470	12 ÷ 608	10 ÷ 90	10 ÷ 90	30 ÷ 630	3 ÷ 625	4 ÷ 625
Max Torque	Ncm	20	50	50	15	25	100	300	900
Speed (no load)	RPM	255 ÷ 6	220 ÷ 1.8	320 ÷ 6.5	315 ÷ 37	660 ÷ 75	110 ÷ 5	1100 ÷ 6.4	1024 ÷ 6.7
Speed (max Torque)	RPM	165 ÷ 4	155 ÷ 1.6	250 ÷ 5.3	220 ÷ 30	460 ÷ 62	70 ÷ 4.5	770 ÷ 6	640 ÷ 6.3
Dimensions	mm	Ø 27	Ø 34	Ø 34	Ø 30	Ø 30	Ø 39.6	Ø 40.5	42 x 42

NOTE:

It is recommended to avoid the use of the motor's internal inductance in PWM drive applications. It is advisable to use an external series inductance.



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planetary



PS150
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brushless planetary



BL192
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Series PS150



Planetary gear-motor.
 Motor interference suppression by VDR
 Outgoing shaft supported by two ball bearings.
 Maximum radial shaft load: 200N
 (10 mm from the fixing flange).
 Maximum axial shaft load: 50N
 Direction of rotation depending on polarity
 Can be mounted in any position
 Temperature range: -20°C/60°C
 Approx weight: 150/220g.

Typical values at ambient temperature +20°
Tolerance +/- 10%

TYPE	NOMINAL VOLTAGE	L	RATIO TO :1	NOMINAL TORQUE	SPEED		CURRENT		INPUT POWER AT NOMINAL TORQUE
					NO LOAD	AT NOMINAL TORQUE	NO LOAD	AT NOMINAL TORQUE	
					rpm		mA		
	V	mm		Ncm					
PS 150 • 12/24 • 3	12	63	3,4	3	2000	1130	<200	820	9,8
	24				2040	1340	<150	430	10,3
PS 150 • 12/24 • 5	12	63	5	5	1365	650	<200	900	10,8
	24				1360	780	<150	460	11,0
PS 150 • 12/24 • 12	12	71,2	11,56	10	570	300	<200	900	10,8
	24				575	340	<150	440	10,6
PS 150 • 12/24 • 17	12	71,2	17	15	380	205	<200	850	10,2
	24				380	245	<150	440	10,6
PS 150 • 12/24 • 25	12	71,2	25	20	260	163	<200	770	9,2
	24				272	180	<150	400	9,6
PS 150 • 12/24 • 39	12	79,4	39,3	30	162	100	<200	830	10,0
	24				163	103	<150	460	11,0
PS 150 • 12/24 • 58	12	79,4	57,8	50	111	57	<200	940	11,3
	24				115	65	<150	470	11,3
PS 150 • 12/24 • 85	12	79,4	85	75	75	38	<200	950	11,4
	24				77	45	<150	450	10,8
PS 150 • 12/24 • 125	12	79,4	125	100	54	26	<200	900	10,8
	24				54	34	<150	440	10,6
PS 150 • 12/24 • 196	12	87,7	196,52	140	33	19	<200	950	11,4
	24				34	21	<150	430	10,3
PS 150 • 12/24 • 289	12	87,7	289	180	23	14	<200	800	9,6
	24				23	17	<150	400	9,6
PS 150 • 12/24 • 425	12	87,7	425	250	15	10	<200	800	9,6
	24				16	11	<150	360	8,6
PS 150 • 12/24 • 625	12	87,7	625	250	11	8,5	<200	530	6,4
	24				11	8,5	<150	280	6,7

