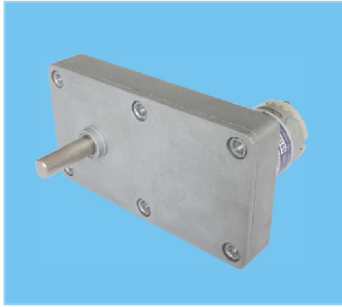


# DS-102SS385 DC GEAR MOTOR Series DongShun

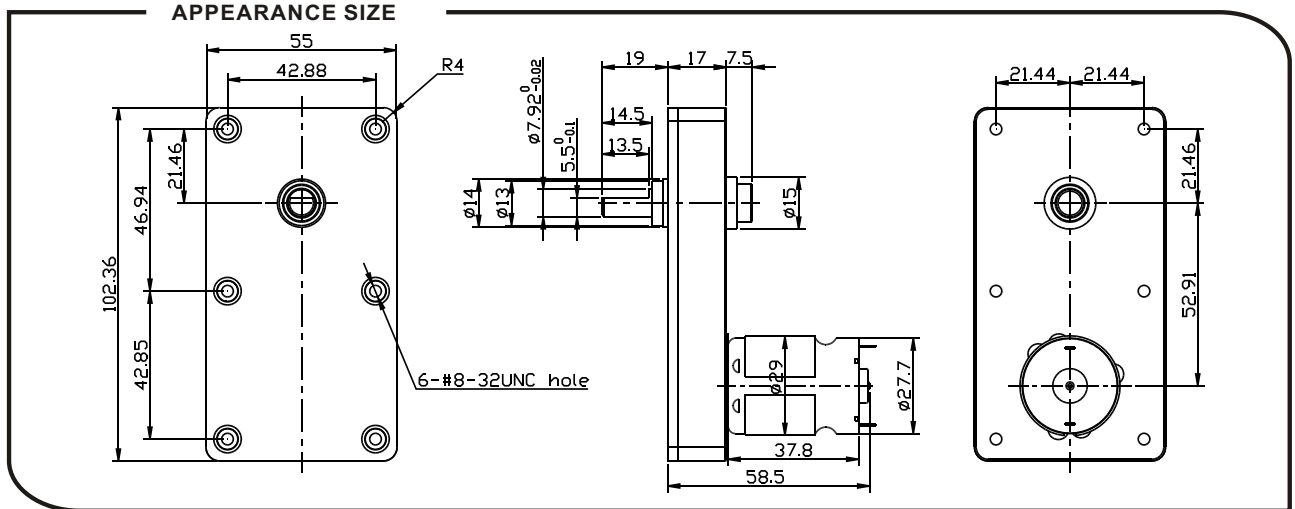


**Main voltage:** 3VDC, 6VDC, 9VDC, 12VDC, 24VDC, 36VDC

**Typical applications:** Auto shutter, Money detector, Binding machine, Automatic TV rack, Packing bank note machine, Towel dispensers, Tissue machine, Office equipment, Household appliances, Automatic actuator.

**Weight:** 280~320g/pcs (approx)

**Packing details:** CTN size: 55X35XH18cm 24pcs/CTN G.W.9Kgs



## Gearbox data:

Number of stages	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	36, 66, 94	149, 196, 211, 277, 394	624, 830, 1166
Max. Running torque	5Kgf · cm	20Kgf · cm	50Kgf · cm
Max. Gear breaking torque	15Kgf · cm	60Kgf · cm	150Kgf · cm
Max. Gearing efficiency	73%	65%	59%

Other reduction ratio please telephone or e-mail to our engineering department.

## Motor data:

Motor name	Rated Volt. V	No load		Load torque				Stall torque	
		Current	Speed	Current	Speed	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf · cm	W	gf · cm	mA
RS-385123000	12	≤45	3000	≤150	2200	35	0.8	140	450
RS-385124500	12	≤70	4500	≤300	3300	55	1.8	220	1200
RS-385126000	12	≤100	6000	≤600	4500	80	3.6	320	1900
RS-385243000	24	≤25	3000	≤70	2200	35	0.8	140	230
RS-385244500	24	≤40	4500	≤150	3300	55	1.8	220	600
RS-385246000	24	≤50	6000	≤300	4500	80	3.6	320	1000

1. This table lists some motors parameters, others please refer to specific parameters of Page 143.

2. After connecting motor and gearbox which is named gearmotor the output torque: motor torque X reduction ratio X gearing efficiency; output speed: motor speed / reduction ratio.

## NOTE:

1. Gearmotor named methods: e.g. DS-102SS385123000-94K Motor please refer to the motor data RS-385123000. Gearbox please refer to gearbox data reduction ratio 94. Related to gearmotor output speed and torque please refer to motor data.
2. Motor can be installed with magnetic encoder, encoder parameters please refer to Page 139.
3. Gearbox shell material: zinc alloy.
4. Gearbox gear materials: The first stage gear: plastic gear. The final stage gear: 45# steel Heat-treatment gear. Other stages gear: powder metallurgy gear.
5. Standard output shaft after reducing: 8.0mm. other sizes of the output shaft can make as client request.
6. Chart only for reference, products shall prevail the entity