DC Carbon-brush motors

PG28 1:16

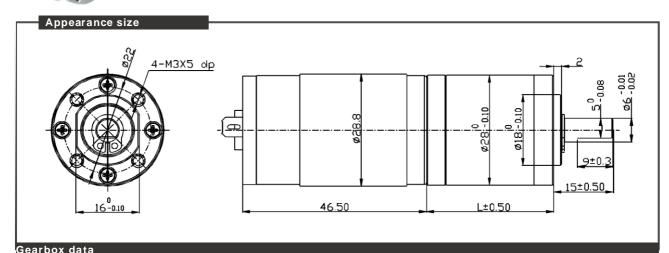
750Rpm



PG28M395 Geared Motor Series

Typica I appli catio ns:

Peristaltic pump,Micro CNC equipment,ATM bank auto matic system,Card conveyors,Auto shutter,Binding mac hine,Mimeograph,Office equipment,Household applian ces,Automatic actuator.



ocarbox data						
Number of stages	1 stages r eduction	2 stage s reduction	3 stage s reduction	4stag es reduction	5stag es reduction	
Reduction ratio	4 4.75	<u>16</u> 19 22.5	64, 76, 90, 107, 256, 304, 361, 428, 509,		1024, 1216, 14 , 1715, 2036, 2418,	
Gearbox length L mm	22	27.1	32.2	37.3	42.4	
Max. Running torque	2.0Kg f • cm	3.0Kg f • cm	4.0Kg f • cm	6.0Kg f • cm	10Kgf • cm	
Max. Gear breaking torque	6.0Kg f • cm	9.0Kg f • cm	12Kgf • cm	18Kgf ⋅ cm	30Kgf • cm	
Gearing efficiency	90%	81%	73%	65%	59%	

Motor data									
Motor name	Rated Volt.	No load		Load torque				Stall torque	
	V	Current	Snaad	Current	Snaad	Torque	Output power	Torque	Current
		mA	r/min	mA	r/min	gf cm	W	gf cm	mA
RS-395123000	12	60	3000	250	2200	65	1.4	260	800
RS-395124500	12	90	4500	430	3300	80		320	1400
RS-395126000	12	130	6000	750	4500	105		420	2600
RS-395243000	24	40	3000	120	2200	65	1.4	260	400
RS-395244500	24	50	4500	220	3300	80	2.6	320	700
RS-3952412000	24	70	12000	380	6000	150	4.7	820	1400

1 Please refer to motor RS-395 for the motor graph.
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.

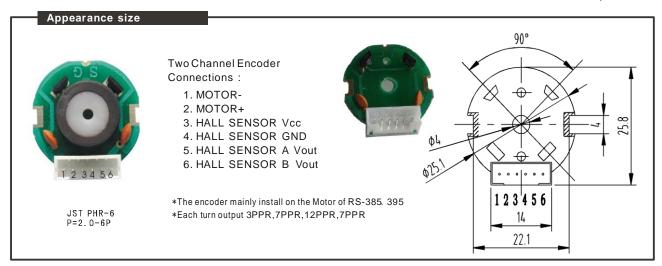
NOTE

- 1. Gearmotor named methods: e.g. PG28M395123000-90K Motor please refer to the motor data RS-395123000.Gearbox please refer to gearbox data reduction ratio 90.Related to gearmotor output speed and torque please refer to motor data.
- 2. Motor can be installed with magnetic encorder.
- 3. Standard output shaft after reducing:F8.0mm.other sizes of the output shaft can make as client request.
- 4. Chart only for reference, products shall prevail the entity.

ENCODERS MAGNETIC SERIES

- Two Channel HallEffect Encoder
- ★Operating relative humidity: 20%~85%RH
- ★Operating temperature range: -40°C~+85°C





μ

CHARACTERISTICS	SYMBOL	TEST CONDITIONS	MIN	REF	MAX	^{μ ¥} ỦNĬTS
Supply Voltage	Vcc		4.5		24	V
Supply Current	Ice			14	20	mA
Output Current	Ic	Vce=12V; Gauss<-170		€.1	20	mA
Output Leakage Current	Icex	Output open;25 [77°F]			10	A
Output Rise Time	Tr	RL=820 ; CL=20pF;25		0.5	1.5	S
Output Fall Time	Tf	RL=820 ; CL=20pF;25		0.2	1.5	S