

Palm mini PLUS type



■Specification

Model on motor		plain shaft type	FY6S6-D3	FY8S15-D3	FY8S25-D3	FY9S40-D3				
		Pinion shaft type	FY6PF6N-D3	FY8PF15N-D3	FY8PF25N-D3	FY9PF40N-D3				
Model on driver		plain shaft type	FYD66PD3	FYD815PD3	FYD825PD3	FYD940PD3				
		Pinion shaft type								
Rated voltage	V(DC)		24	24	24	24				
Rated output	W		6	15	25	40				
Speed control range	r/min		200~2500	200~2500	200~2300	200~2000				
Rated torque	mN • m		39	98	160	250				
	oz • in		5.6	14	22	36				
MAX. instantaneous torque 5sec	mN • m		59(1500r/min MAX.)	150(1500r/min MAX.)	200(1500r/min MAX.)	300(600r/min MAX.)				
	oz • in		8.3(1500r/min MAX.)	21(1500r/min MAX.)	28(1500r/min MAX.)	43(600r/min MAX.)				
Rated speed	r/min		1500	1500	1500	1500				
Speed setting method		①Speed setting by external speed setter(Sold separately : model code Q-R10KB) ②Speed setting by external voltage supply 0~10V								
Speed setting	(r/min)/V	300±5%								
Speed variation		Against load	±1%	0~rated torque at rated voltage and speed						
		Against voltage	±1%	DC24V±10% at rated speed, no load						
		Against temperature	±3%	20±20°C at rated voltage and speed, no load						
Input and output signal		Input	RUN, BRAKE, F/R IN H : Open collector L : GND(0~0.8V)							
		Output	ALARM, SPEED OUT(PULSE OUTPUT), F/R OUT H : Open collector DC30V MAX. L : 0~0.8V 10mA MAX.							
Speed pulse	Pulse/Rotation		30	30	30	30				
Current	Rated (Ave.)	A	0.7 MAX.	1.4 MAX.	2.3 MAX.	3.4 MAX.				
	MAX. (Peak)		4.2 MAX.	6.6 MAX.	10 MAX.	10 MAX.				
Protection		Over load protection When an exceeding torque than rated is applied to motor for more than about 5sec. Stop motor and output "L" from "ALARM".In disconnect power supply for more than 1min, In case of alarm releas.								
Others		Operation temperature 0~40°C(no condensation) continuous duty. The motor flange surfase temp must be 80°C MAX. (Ambient temperature 40°C without heat sink) Motor dielectric strength Withstad for 1min. under AC500V 50Hz (Between case and coil) Motor insulation resistance 10MΩMIN. (Between case and coil DC500V tester)								
Gear ratio	Speed(r/min)		Applicable MAX. Torque for gearheads							
	at 200r/min	at 2500r/min	6H□FBN		8H□FBN		8H□FBN		9H□FBN	
			mN • m	oz • in	mN • m	oz • in	mN • m	oz • in	mN • m	oz • in
5	40	500	160	22	390	56	590	83	980	140
15	13	167	470	67	1200	170	1900	260	3000	430
25	8	100	720	100	1800	250	2800	400	4600	650
30	6.7	83	850	120	2100	290	3400	490	5500	780
50	4	50	1400	190	3100	440	5100	720	8300	1200

- □: rotation of gear head output shaft becomes reverse direction of motor's.
- Other gear ratios than the above table, are also available.