

# FY Series

Exceptional designed model for collection / transferring  
Seaweed, Fibrous material without raw material damage



Model FY80 (pump unit)



Model FP50 with electromagnetic clutch

### Pump specification (pump unit only)

Model	FP50-B6RC-00N1	FA65-B6RC-00N4	FY80-B6GC-00N3
Port size	Rc 2"	Rc 2-1/2"	Rc 3"
Casing material	Bronze (CAC406)		
Impeller (for details, see below)	RC		RC (sprit off blades)
Shaft seal	Oil seal	Mechanical seal	Oil seal
Q x H (L/min x m)	see estimated performance curve		
Self priming (m)	2 ~ 4 m (clean water at ambient temp. / 1200 min <sup>-1</sup> )		
Performance	see the below estimated performance curve		
Weight (dry) (kg)	10.5	25	17

### Pump specification (with electromagnetic clutch)

Model	FP50-B6RC-K2N1	FP50-B6RC-K4N1	FA65-B6RC-K2N4	FA65-B6RC-K4N4	FY80-B6GC-K2N3	FY80-B6GC-K4N3	
Electromagnetic clutch	Exiting voltage	DC 12V	DC 24V	DC 12V	DC 24V	DC 12V	DC 24V
	V-Pulley	Type B, 2 grooves, Φ130					
	static friction torque	44.2 / 69Nm (initial/after shakedown)		78.5 / 128 Nm (initial/after shakedown)		44.2 / 69 Nm (initial/after shakedown)	
	Capacity	33W		45W		33W	
	Rotation direction	Both directions available					
Weight (dry) (kg)	18		33		23		

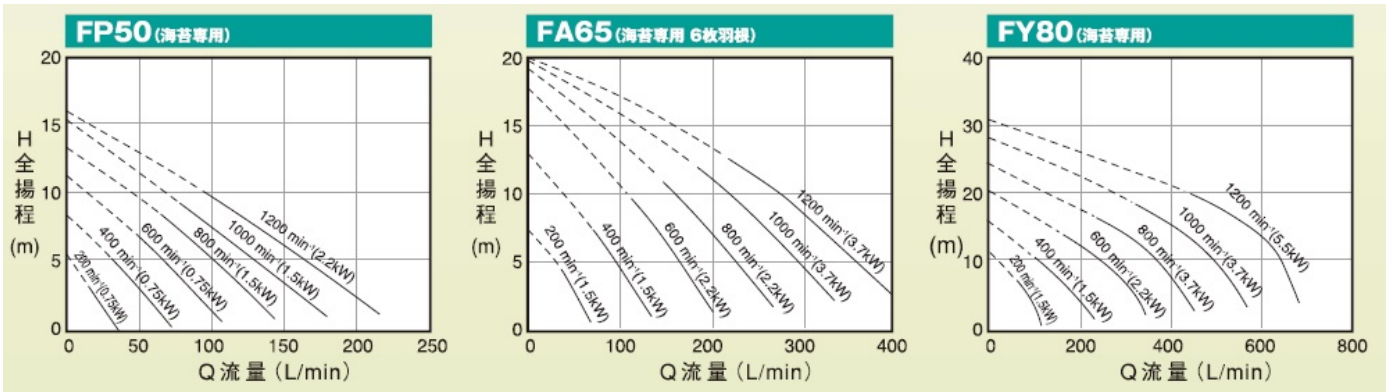
Impeller RC Chloroprene Rubber



sprit off blades type



## Estimated performance curve



### NOTE

- The estimated performance curves are based on pure water (Sp. Gr 1.0, Viscosity 1.0 Cp) at ambient temperature. If the actual liquid condition is different from water(\*), the performance curves does not match with the above data.  
(\* ) For example, Slurry (particle contained liquid), High viscous liquid, Gas-mixture liquid and so on.
- The recommendable operating range is on the solid line. If the pump is operated outside of the solid line, the performance degradation, premature wear of consumable parts and so on may occur.