

# XF Series



Model Numbers:

XF111SS, XF111SS/P, XF111SS/Y,  
XF211SS, XF211SS/P, XF211SS/Y,  
XF311SS, XF311SS/P & XF311SS/Y



## ROBUST & COMPACT - SINGLE STAGE STAINLESS STEEL CENTRIFUGAL PUMP

### APPLICATION

Ideal for pumping clean, non-volatile liquids without fibres or solids in such applications as domestic water supply, irrigation, water transfer, washing systems and pressure boosting.

### FEATURES & BENEFITS

- **Australian made, robust and compact, single-stage stainless steel centrifugal pump**, driven by a powder coated, TEFC motor
- **Designed for total head duties to 36m and flows to 200 lpm**
- **Manufactured from quality corrosion resistant materials**
- **Motor and pump designed for frequent starts**
- **Quick and easy installation**
- **Low maintenance**
- **Easy to service if required**

#### PUMP

- Single impeller design
- Closed vane 304 stainless steel impellers
- Replaceable floating neckring
- 316 stainless steel pump shaft

- 304 stainless steel casing
- Mechanical shaft seal
- O-ring casing seal

#### MOTOR

- 2 pole, 50Hz (220-240V) or 60Hz (110V or 220V). 380V 3 phase models available on request.
- TEFC motor for high corrosion resistance and to prevent dust and dirt ingress
- Environmentally friendly manufacturing process as powder coatings emit near zero volatile organic compounds and produces less hazardous waste than conventional paint coatings
- Class F insulation
- Permanently split P2 'fail safe' capacitor design
- Protected against both high operating temperature and high current by a built-in automatically resetting thermal overload

# XF Pumps

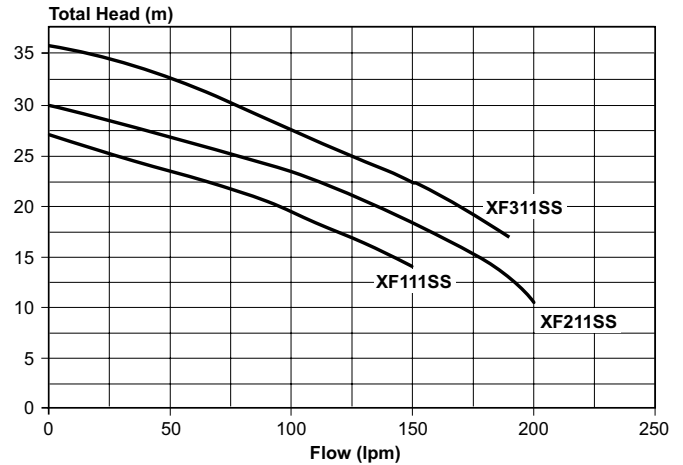
## OPERATING LIMITS

Model	XF111SS	XF211SS	XF311SS
Part No.	CY70-75	CY70-90	CY70-110
Flow capacities to	150 lpm	200 lpm	190 lpm
Maximum total head	27m	30m	36m
Maximum suction head	7m		
Max. water temperature continuous	80°C		
Minimum water temperature	-15°C		
Maximum ambient temperature	55°C		
Inlet size BSP	1 1/4"		
Outlet size BSP	1"		
Maximum pump casing pressure	800kPa		

## MATERIALS OF CONSTRUCTION

PART	MATERIAL
Impellers	304 stainless steel
Lock nut	304 stainless steel
Pump casing	304 stainless steel
Pump shaft	316 stainless steel
Seal ring (stationary)	Silicon carbide
Seal ring (rotating)	Carbon
Seal spring	304 stainless steel
Bellows	EPDM
O-rings & seal bellows	EPDM
Diffuser	304 stainless steel
Neckring	Teflon
Motor shell	Aluminium
Shell finish	Polyester

## HYDRAULIC PERFORMANCE



## INSTALLATION AND PRIMING

- Installations with suction lift require a good quality foot valve to avoid loss of prime.
- To prime, fill pump body and suction line through priming plug hole located above suction inlet and replace plug.

## ELECTRICAL DATA

Model	XF111SS	XF211SS	XF311SS	XF111SS/P	XF211SS/P	XF311SS/P	XF111SS/Y	XF211SS/Y	XF311SS/Y
Part No.	CY70-75	CY70-90	CY70-110	CY70-75P	CY70-90P	CY70-110P	CY70-75Y	CY70-90Y	CY70-110Y
Nominal RPM	2900			3500					
Volts / hertz / phase	220-240/50/1			220/60/1			110/60/1		
IP rating / insulation	55/Class F								
Amps	4.5A	5.4A	7.3A	4.6A	5.9A	6.7A	10.1A	10.8A	13.6A
kW (P <sub>1</sub> )/(P <sub>2</sub> )	1.10/0.75	1.30/0.90	1.40/1.10	1.10/0.75	1.30/0.90	1.50/1.10	1.10/0.75	1.30/0.90	1.90/1.50
Nominal hp (P <sub>1</sub> )/(P <sub>2</sub> )	1.50/1.00	1.75/1.20	1.90/1.50	1.50/1.00	1.75/1.20	2.00/1.5	1.50/1.00	1.75/1.20	2.00/1.5

## DIMENSIONS (mm)

Model	Part No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Net Weight (kg)
XF111SS	CY70-75	232	343	135	92	52	1"	1-1/4"	124	108	213	52	39	9	120	158	10.0
XF211SS	CY70-90	232	343	135	92	52	1"	1-1/4"	124	108	213	52	39	9	120	158	11.0
XF311SS	CY70-110	260	410	176	97	51	1"	1-1/4"	139	121	240	60	39	9	140	180	14.5

