

CY Series



Model Numbers:

CY70-75/A
CY70-90/A
CY70-110/A



ROBUST & COMPACT, ALL STAINLESS STEEL CENTRIFUGAL PUMP

APPLICATION

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

FEATURES & BENEFITS

- **Pump is manufactured from all stainless steel components** to handle high water temperatures (80°C) making it ideal for dairy washdown
- **TEFC motor is corrosion resistant** and excludes dust and dirt
- **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 neck ring
- 304 stainless steel casing
- Mechanical shaft seal
- O-ring casing seal

MOTOR

- 2 pole, 50Hz (220-240V) or 60Hz (110V or 220V).
- 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

Transfer Pumps

ELECTRICAL DATA

Model	CY70-75/A	CY70-90/A	CY70-110/A
Nominal rpm	2900		
Volts / hertz / phase	220-240 / 50 / 1		
IP rating / insulation	55 / Class F		
Amps	4.5	5.4	7.4
kW (P ₁) / (P ₂)	1.10 / 0.75	1.30 / 0.90	1.40 / 1.10
Nominal hp (P ₁) / (P ₂)	1.50 / 1.00	1.75 / 1.20	1.90 / 1.50
Power lead	1.8m lead with 3 pin AS plug		

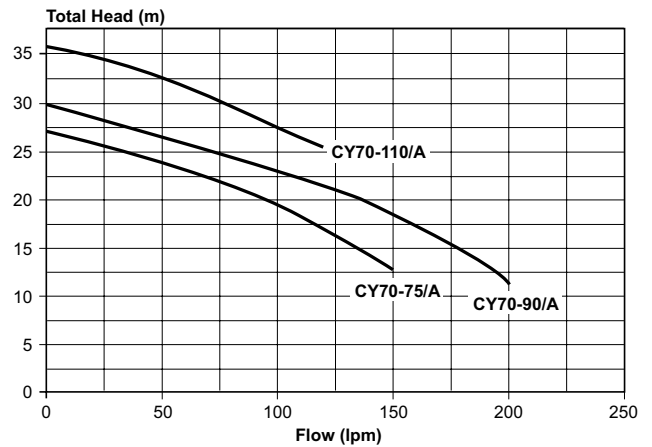
MATERIALS OF CONSTRUCTION

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

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.

HYDRAULIC PERFORMANCE



OPERATING LIMITS

Model	CY70/A	CY70-90/A	CY70-110/A
Flow capacities to	150 lpm	200 lpm	120 lpm
Maximum total head	27m	30m	36m
Maximum suction lift	7m		
Max. water temperature continuous	+80°C		
Minimum water temperature	-15°C		
Maximum ambient temperature	55°C		
Inlet size	1 1/4" BSP(F)		
Outlet size	1" BSP(F)		
Maximum pump casing pressure	800kPa		

DIMENSIONS (MM)

Model	Weight (kg)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
CY70-75/A	10.0	232	343	135	92	52	1"	1 1/4"	124	108	213	52	39	9	120	158
CY70-90/A	11.0	232	343	135	92	52	1"	1 1/4"	124	108	213	52	39	9	120	158
CY70-110/A	14.5	260	410	176	97	51	1"	1 1/4"	139	121	240	60	39	9	140	180

