

## CP-0010, CP-0020

Applications: CP-0010 and CP-0020 sump pumps are designed with the performance and durability which make them ideal for removing water from trenches, ditches, manholes, industrial sumps and excavations. Will pump down to within 7/8" from base.

### Features – All Models

- Single-stage centrifugal units driven by powerful vane motors
- Double seals protect bearings and motor from water and mud
- Integral oiler provides continuous lubrication
- Integral strainer, air inlet valve
- Bronze impeller
- Cast-iron housing



CP-0010



CP-0020

### Caution:

**CP-0010 and CP-0020 pumps are not to be used for pumping flammable fluids.**

Motor Horsepower: CP-0010, 3 hp; CP-0020, 4 hp.

Catalog Number	Part. Number	Min. Water Depth mm (in.)	Overall Height mm (in.)	Height w/o Valve mm (in.)	Water Discharge (NPT)	Net Weight kg (lb.)	Min. Opening Pump Will Enter mm (in.)	Air Inlet Thread Size (NPT)	Recom. Hose Size mm (in.)	Pump Performance Discharge (GPM)
SUMP										
CP-0010	T022224	22 (7/8)	445 (17 1/2)	336 (13 3/4)	50mm (2")	15 (33)	210 x 229 (8 1/4 x 9)	20mm (3/4")	19 (3/4)	Table A
CP-0020	T022185	22 (7/8)	406 (16)	298 (11 3/4)	62.5mm (2 1/2")	26 (58)	229 x 298.5 (9 x 11 3/4)	25mm (1")	25.4 (1)	Table B

### TABLE A - CP-0010 PUMP PERFORMANCE, AIR CONSUMPTION. 100 CFM AT 90 PSI

CP-0010 sump Pump Performance Discharge (Gallons per Minute)

Total Head		40 psi		60 psi		80 psi		90 psi		100 psi	
meters	ft.	liters	gal.	liters	gal.	liters	gal.	liters	gal.	liters	gal.
3.05	10	605.6	160	832.7	220	908.4	240	927.3	245	965.2	255
6.10	20	529.9	140	775.9	205	870.6	230	908.4	240	946.3	250
9.14	30	454.2	120	700.2	185	813.8	215	870.6	230	927.3	245
12.2	40	340.7	90	605.6	160	757.0	200	813.8	215	870.6	230
15.2	50	227.1	60	511.0	135	662.4	175	738.1	195	794.9	210
18.2	60	37.9	10	397.4	105	586.7	155	662.4	175	738.1	195
21.3	70	-	-	302.8	80	492.1	130	567.8	150	643.5	170
24.3	80	-	-	226.5	60	360.0	95	473.1	125	586.7	155
27.4	90	-	-	-	-	283.8	75	397.4	105	473.1	125
30.5	100	-	-	-	-	208.2	55	283.8	75	259.6	95

### TABLE B - CP-0020 PUMP PERFORMANCE, AIR CONSUMPTION: 110 CFM AT 90 PSI

CP-0020 Sump Pump Performance Discharge (Gallons per Minute)

Total Head		40 psi		60 psi		80 psi		100 psi	
meters	ft.	liters	gal.	liters	gal.	liters	gal.	liters	gal.
3.05	10	870.6	230	1078.7	285	1230.1	325	1286.9	340
6.10	20	738.1	195	1003.0	265	1192.3	315	1249.0	330
9.14	30	567.8	150	927.3	245	1135.5	300	1211.2	320
12.2	40	492.1	130	832.7	220	1059.8	280	1154.4	305
15.2	50	378.5	100	719.2	190	984.1	260	1059.8	280
18.2	60	246.0	65	624.5	165	870.6	230	984.1	260
21.3	70	-	-	473.1	125	757.0	200	851.6	225
24.3	80	-	-	302.8	80	605.6	160	719.2	190
27.4	90	-	-	-	-	-	-	586.7	155

**Standard Equipment:** all models with air inlet valve. CP-0020 has exhaust pipe 1 1/4" NPTF x 18" long, C086080; and exhaust pipe 1 1/4" BSP x 18" long, R137580. CP-0010 has exhaust pipe 1" NPTF x 16" long, S038723, and exhaust pipe 1" BSP x 16" long, R137578.

Accessories listed on page 28.

## CP-0077

Applications: CP-0077 sludge pumps easily handle water containing 15% solids and particles up to 1" in size. They are suitable for pumping seawater and certain corrosive chemicals.

### Features

- Operates on venturi/ejector principle – no motor or diaphragm to wear out
- Exhaust muffler – reduces sound level

### Caution

CP-0077 pumps are not intended for pumping flammable fluids.



**CP-0077**

Air consumption at 90 psi: CP-0077 85 cfm.

Catalog Number	Part Number	Max. Suction Lift* m (ft.)	Max. Head m (ft.)	Discharge Outlet (NPT)	Net Weight kg (lb.)	Air Inlet Thread Size (NPT)	Recom. Hose Size mm (in.)	Pump Performance Discharge
CP-0077	T024005	6.10 (20**)	53 (175**)	62.5mm (2 1/2")	69 (152)	20mm (3/4")	25.4 (1)	Table B

\* 90 psi air    \*\* Includes friction head from hose.

**Table B – CP-0077 pump performance**

CP-0077 Sludge Pump Performance (at 90 psi air pressure and zero suction head)				
Total Head*		Liters Per Minute		
meters	ft.	liters	gal	
7.6	25	341	90	
15.2	50	295	78	
55.9	75	257	68	
30.4	100	227	60	
45.7	150	182	48	
53.3	175	136	36	

## Accessories

### For CP Sump Pumps

Title	Part Number	Description
Pipe Thread Reducing Bushings	C037468	Has 3" male and 2 1/2" female pipe thread.
Fire Hose Adapter	C078992	Has 2 1/2" male pipe thread once end and male thread for 2 1/2" National Standard fire hose coupling at other end.
Inlet Hose Nipple (CP-0077)	F027762	3", unthreaded x 2 1/2" BSP
Outlet Nipples (CP-0077)	R146384	2 1/2" BSP x 2 1/2" NPT
	R146385	2 1/2" NPT (both ends)
	R146383	2 1/2" NPT street elbow