



# HCP PUMP

We make the reliable pumps

## PROFESSIONAL MANUFACTURERS OF SUBMERSIBLE PUMPS

50Hz GENERAL CATALOGUE

ISO 9001 CE DQS UL TÜV



sewage pump, waste water pump, stainless pump, grinder pump, dewatering pump, construction drainage pump,  
large volume pump, axial pump, ejector, deep well pump.

### HCP PUMP MANUFACTURER.,CO.LTD.

# IC SUBMERSIBLE DEWATERING PUMPS



## FEATURE

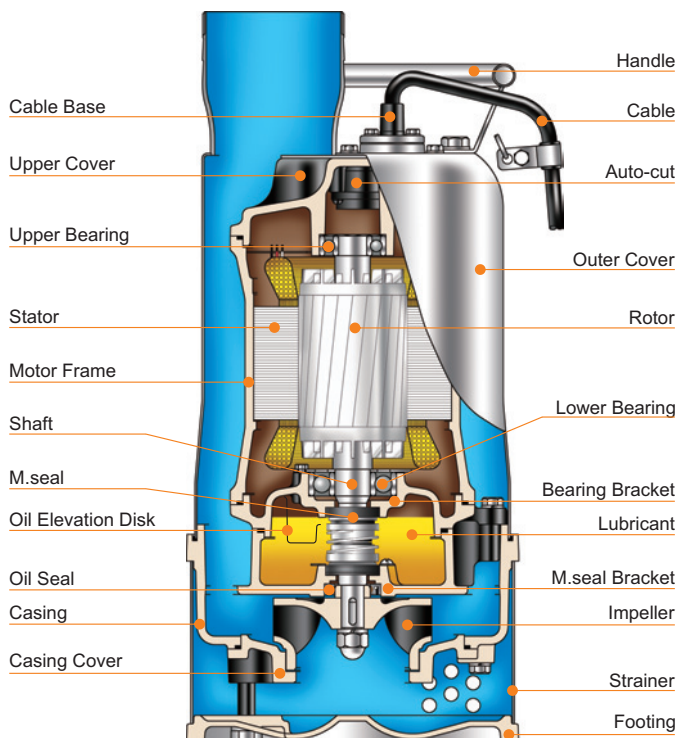
- The internal die casting is treated with high solid painting, which can double the duration of anti-rusting, and extend the lifetime of the product.
- Standard design, incorporating a dry motor with thermal auto-cut that prevents the motor from over heating, and a cast iron motor frame for a faster heat dissipation. As well as an abrasion resistant double mechanical seal and an additional oil seal.
- Water cooled motor to ensure a long life in continuous and intermittent operation, with high efficiency and energy savings.
- An exceptional High-lift and suction impeller design, which allow for dewatering of underground or circulating water applications.
- For above or below surface water applications; the IC pump strainer can be easily removed and replaced with a check valve, which allows for dewatering up to max. 8m deep of underground water and water circulation applications. (W-Well Type)
- New casing cover, with metric thread bolt hole that is easier for valve and adapter connection.
- The Chrome Steel impeller has adopted for IC-32B~610, with Hardness of HRC 25~30, better anti-corrosion, and extend the product lifetime.



IC-43B  
W Type

## APPLICATIONS

- Aquiculture water supply and drainage.
- Water supply for agricultural irrigation systems and underground water pumping.
- Landscape, water feature and horticulture irrigation.
- Extraction of water from rivers, lakes and reservoirs.



IC-215  
Bronze



IC-32B~610  
Chrome Steel



IC-215



IC-32B~45B



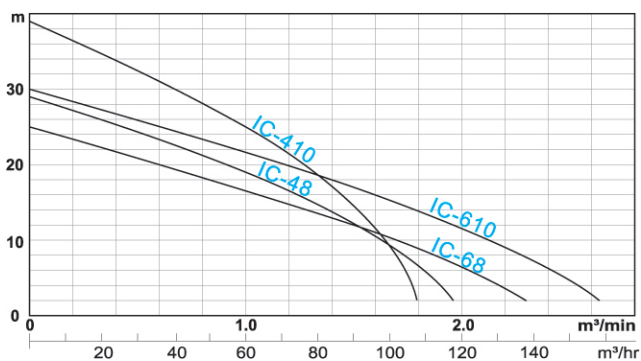
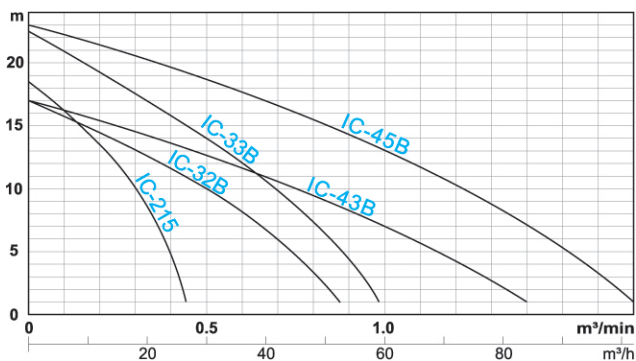
IC-48~610



## ■ PRODUCT NOMENCLATURE

$\frac{IC}{\text{Type}} - \frac{3}{\text{Discharge inch}} \frac{2}{\text{HP}} \frac{B}{\text{Style}}$

## ■ PERFORMANCE CURVES



## ■ SPECIFICATIONS

Discharge (mm)		50 • 80 • 100 • 150
Limits Of Use	Liquid Temp.	0~40°C (32~104°F)
	Applications	Agriculture irrigation Circulating water • Dewatering
	Submersion Depth	30m (100feet)
Type	Frequency	50Hz
	Motor	2P (3000RPM) • Dry Motor
	Insulation	Class F (1½~3HP: Class B)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball Type
	M.seal	Double M.seals
Material	Impeller	Enclosed-channel
	Outer Cover	SUS304
	Upper Cover	FC-200
	Motor Frame	SUS304(1.5HP) • FC-200 (2~10HP)
	Shaft End	SUS403(1.5~3HP) • SUS304(5~10HP)
	M.seal	Upper: Carbon/Ceramic • Lower: Silicon/Silicon
	Casing	FC-200
	Impeller	Chrome Steel(IC-32B-IC-610) • Bronze (IC-215)
Cable	VCT or H07RN-F or SJOW/SOW	
Optional	Pumps can be customized to fit specifications	

## ■ PERFORMANCE SPEC.

Model	HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Head (m)	Capacity		Solid Passage (mm)	Weight (kg)		Dimension (mm)				
						m³/min	m³/h		1Ø	3Ø	A	B	C	D	
IC-215	1½(1.1)	2" (50)	1	Capacitor	13.5	0.2	12	3.5	28	24	210	482	423	370	429
				Direct											
IC-32B	2 (1.5)	3" (80)	1	Capacitor	10	0.5	30	10	40	36	235	548	503	511	466
				Direct											
IC-33B	3 (2.2)	3" (80)	1	Capacitor	14	0.5	30	10	45	39	235	578	503	541	466
				Direct											
IC-43B	3 (2.2)	*3½" (90) 4" (100)	1	Capacitor	9.5	0.8	48	10	45	39	235	593	518	556	481
				Direct											
IC-45B	5 (3.7)	*3½" (90) 4" (100)	3	Direct	13	1	60	10	44	235	548	511	511	466	
IC-48	7½ (5.5)	4" (100)	3	Direct	19	1	60	10	75	286	550	610	610	466	
IC-410	10 (7.5)	4" (100)	3	Direct	25	1	60	10	80	286	550	610	610	466	
IC-68	7½ (5.5)	6" (150)	3	Direct	12	1.5	90	10	78	286	550	610	610	466	
IC-610	10 (7.5)	6" (150)	3	Direct	17	1.5	90	10	81	286	550	610	610	466	

Note: Weight Without Cable & Outlet, \* 3½" (90mm) optional by request

