



# IC SUBMERSIBLE DEWATERING PUMPS



## ■ FEATURE

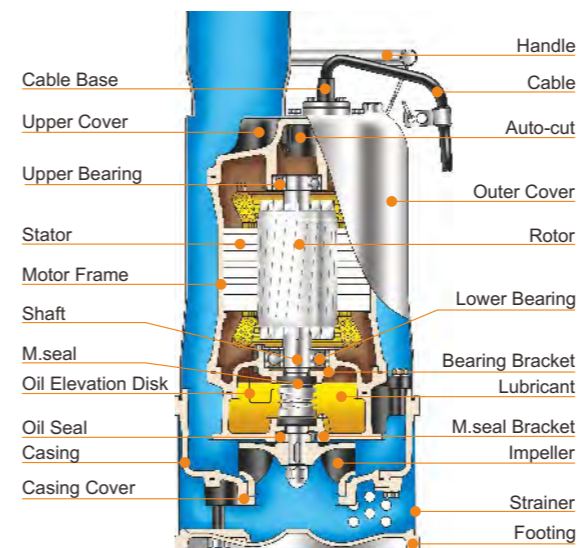
- The internal casting is treated with high solids epoxy coating; which can improve the anti-corrosion and extend the product life.
- Standard design that incorporates a dry motor with a thermal auto-cut, that prevents the motor from over heating. Equipped with a cast iron motor frame for a faster heat 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 allows 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 been adopted for IC-32B~610, with hardness of HRC 25~30; better anti-corrosion, and extended product lifetime.
- High solids epoxy coating, prolongs metals from corroding and oxidization.

## ■ 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.

## ■ PRODUCT NOMENCLATURE

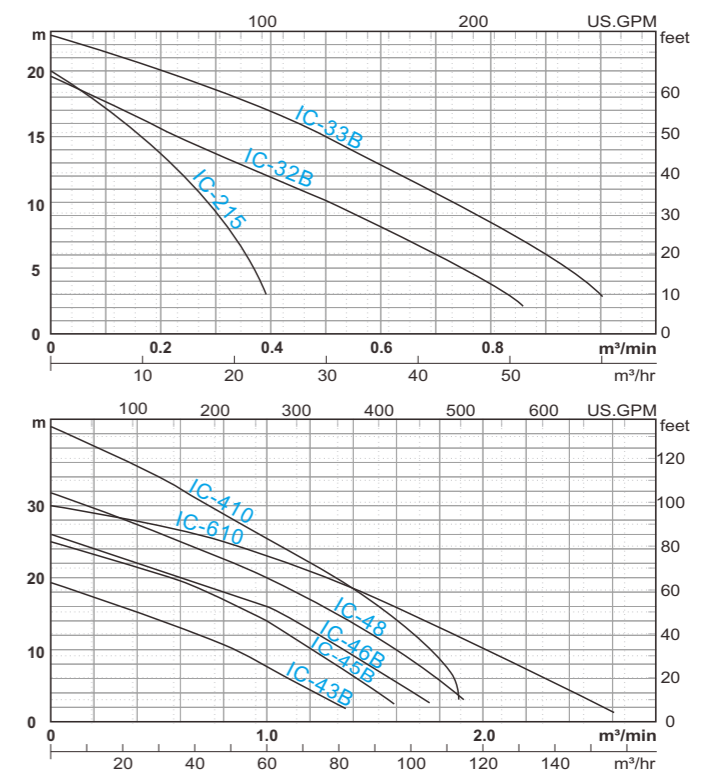
IC - 3 2 B  
Type Discharge inch HP Style



## ■ 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	60Hz
	Motor	2P (3600RPM) • Dry Motor
	Insulation	Class B(1.5~3HP) • Class F(5~10HP)
	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 CURVES



## ■ PERFORMANCE SPEC.

Model	HP(kW)	Discharge Inch(mm)	Phase	Start Method	Standard		Solid Passage mm(inch)	Weight kg(lb)		Dimension (mm)				
					m - m³/min	ft - GPM		1Ø	3Ø	A	B		C	
IC-215	1½ (1.1)	2" (50)	1	Capacitor	13.5 - 0.2	45 - 52	3.5 (¼")	28 (62)	24 (53)	210	482	423	370	429
IC-32B	2 (1.5)	3" (80)	1	Capacitor	10 - 0.5	32 - 132	10 (½")	40 (88)	36 (79)	235	548	503	511	466
IC-33B	3 (2.2)	3" (80)	3	Direct	15 - 0.5	50 - 132	10 (½")	44 (97)	39 (86)	235	578	503	541	466
IC-43B	3 (2.2)	3½" (90) 4" (100)	1	Capacitor	10.5 - 0.8	35 - 212	10 (½")	44 (97)	39 (86)	235	593	518	556	481
IC-45B	5 (3.7)	3½" (90) 4" (100)	3	Direct	13.5 - 1	45 - 265	10 (½")	-	44 (97)	235	-	548	-	511
IC-46B	6 (4.5)	3½" (90) 4" (100)	3	Direct	15.5 - 1	51 - 265	10 (½")	-	44 (97)	235	-	548	-	511
IC-48	7½ (5.5)	4" (100)	3	Direct	20 - 1	65 - 265	10 (½")	-	71 (157)	286	-	550	-	610
IC-410	10 (7.5)	4" (100)	3	Direct	26 - 1	85 - 265	10 (½")	-	79 (174)	286	-	550	-	610
IC-610	10 (7.5)	6" (150)	3	Direct	17 - 1.5	55 - 396	10 (½")	-	81 (179)	286	-	550	-	610

Note: Weight Without Cable & Outlet, \*3" (80mm) & \*3½" (90mm) optional by request

