

ECT-BOT series 50Hz



ECT PUMP

Engineering / Construction Pump



Agitator

AC Protector

MATERIAL CONSTRUCTION

Item	Description	Structure	Materials
Pump	Impeller	-	SUS304 / HCR(4P)
	M. Seal	-	SIC / SIC
	Bearing	Ball type bearing	-
	Shaft	-	SUS410 / SUS304(2P&4P)
	Pump Housing	-	FC-20 / FCD-45(4P)
Motor	Pole	2P / 4P	-
	Motor type	Dry Motor	-
	Hz / Ph	50Hz / 3Ø	-
	Protector	F class 150°C	-
	Voltage	220~440V	-
	Main Shaft	Thermal / AC Protector	-
Liquid	Liquid temp	0~40°C	-
	Liquid nature	Sluge, Wastewater	-
	Max depth	30m	-

Special specifications will be accepted make-to-order

FEATURES

1. Dry-type model with overload protector is built-in to protect motor from overheat and overload.
2. Inner cable wires and cable base are upgraded by filling EPOXY to raise humidity-resistance.
3. Motor frame and casing are made of stainless steel and water-cooling jacket design increases efficiency of heat diffusion.
4. Stainless steel shaft is calibrated in dynamic balance test. Dual mechanical seal SIC/SIC are fitted and dual oil seals design raises effects of dust-proof.
5. Impeller and agitator are made of high chrome alloy steel (HCR, 2Hp above), high wear resistance, and calibrated by dynamic balance test.
6. Pump housing and stress eliminating plate are made of wear-resistant and malleable cast iron, and stress eliminating design is adopted between pump housing and mechanical seal lid to reduce flow stress.

APPLICATIONS

Drainage of construction site; drainage of subway / tunnel; wastewater treatment of ironworks; mobile use for drainage of public facilities; removal of sludge at harbor / river; any other wastewater treatment of industries...etc.

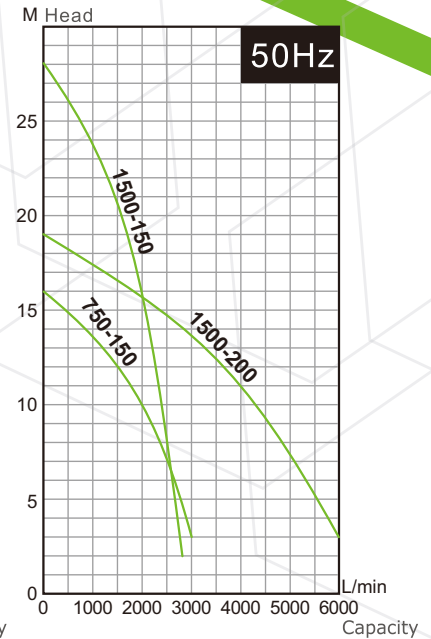
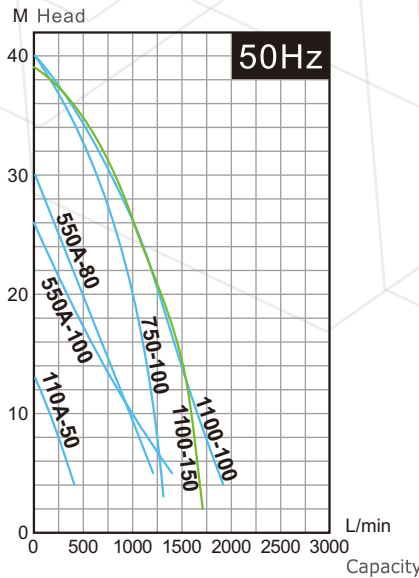
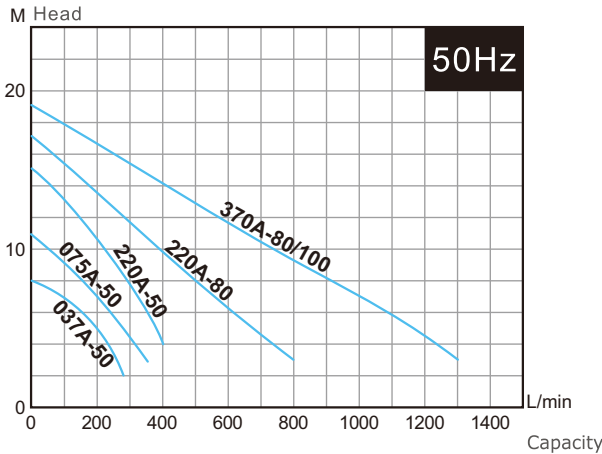


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PERFORMANCE CURVE



SPECIFICATION

4P-1500RPM / 2P-3000RPM

Model	Power HP(kW)	Discharge Inch(mm)	Phase PH	Pole P	Std. Head M	Std. Flow LPM	Free Passage mm	Max Diameter mm	Height mm	Weight KG
ECT-BOT-1037A-50	½ (0.37)	2"(50)	1Ø	2	5	200	7	180	410	18
ECT-BOT-3037A-50			3Ø							
ECT-BOT-1075A-50	1(0.75)	2"(50)	1Ø	2	7	200	7	180	475	25
ECT-BOT-3075A-50			3Ø							
ECT-BOT-1110A-50	1½(1.1)	2"(50)	1Ø (220V)	2	9	200	7	180	490	27
ECT-BOT-3110A-50			3Ø							
ECT-BOT-1220A-50	3(2.2)	2"(50)	1Ø (220V)	2	12	140	10	230	680	54
ECT-BOT-3220A-50			3Ø							
ECT-BOT-1220A-80	3(2.2)	3"(80)	1Ø (220V)	2	8	500	10	230	680	55
ECT-BOT-3220A-80			3Ø							
ECT-BOT-3370A-80/100	5(3.7)	3"4"(80/100)	3Ø	2	7	1000	10	230	720	60
ECT-BOT-3550A-80	7½(5.5)	3"(80)	3Ø	2	20	500	10	310	720	76
ECT-BOT-3550A-100	7½(5.5)	4"(100)	3Ø	2	10	1000	10	310	720	76
ECT-BOT-3750-100	10(7.5)	4"(100)	3Ø	2	20	1000	10	380	840	110
ECT-BOT-3750-150	10(7.5)	6"(150)	3Ø	4	10	2000	25	380	840	131
ECT-BOT-31100-100	15(11)	4"(100)	3Ø	2	26	1000	10	330	860	135
ECT-BOT-31100A-150	15(11)	6"(150)	3Ø	4	13	1600	25	380	860	120
ECT-BOT-31500-150	20(15)	6"(150)	3Ø (380V UP)	2	16	2000	15	380	970	135
ECT-BOT-31500-200	20(15)	8"(200)	3Ø	4	11	4000	25	430	1090	180

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