

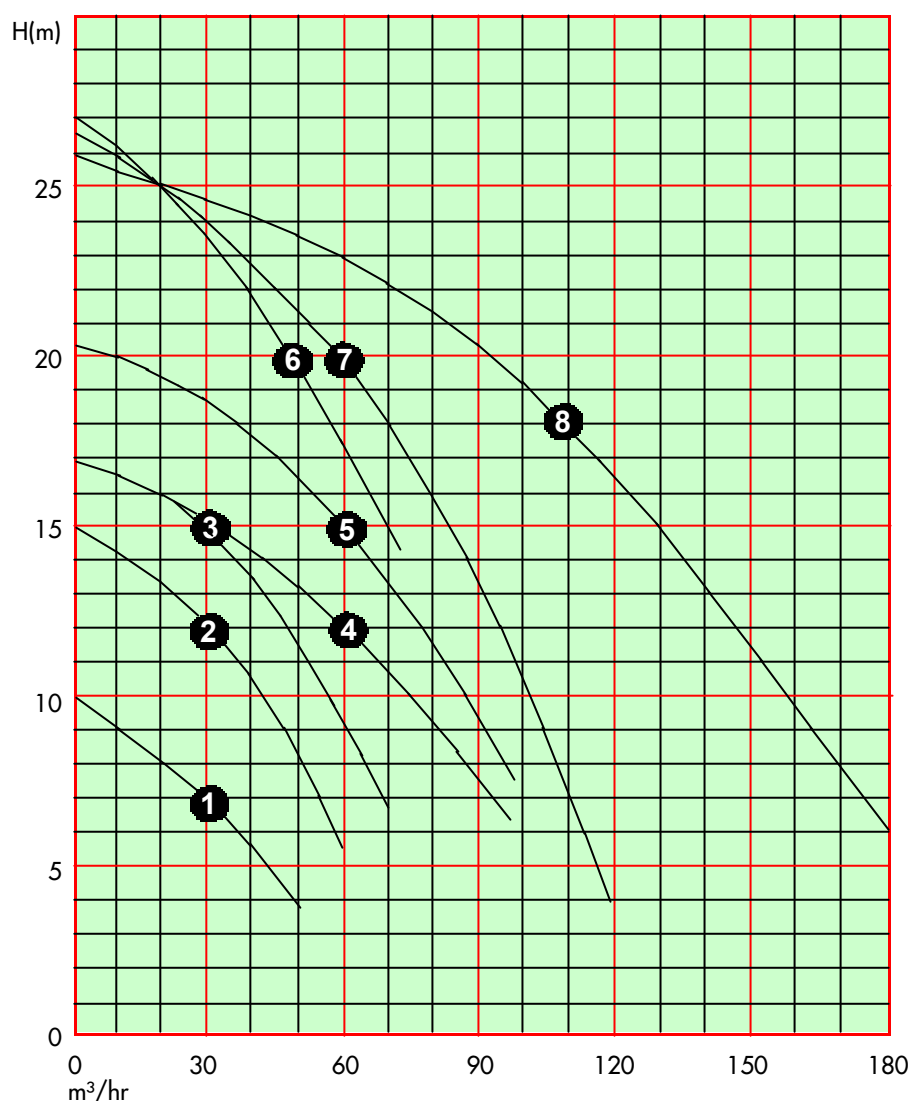
# TOYO ET SUBMERSIBLE AGITATOR PUMPS

Toyo ET submersible agitator pumps have been designed for stirring up and mixing into suspension abrasive components such as sand, gravel, stones and similar debris and then transferring it over considerable distances. They are ideal for a wide range of dredging, mineral extraction and industrial cleaning operations.

All wearing parts such as agitator, impeller and adjustable wear plates are manufactured from special high chrome steel, for long service life.



**Performance Curves**



No.	Model	Outlet		Capacity m <sup>3</sup> /hr	Manom. Head m	Grain Size mm	Power kW	RPM 50Hz	Current (A) 380V	Electric Cable	Weight kg
		inch	mm								
1	ET3	3	80	30	7	20	2.2	1430	5.4	4x10mm <sup>2</sup>	145
2	ET5	3	80	30	12	20	3.7	1430	9.0	4x10mm <sup>2</sup>	155
3	ET7.5	3	80	30	15	25	5.5	1445	12.7	4x10mm <sup>2</sup>	195
4	ET7.5B	4	100	60	12	25	5.5	1445	12.7	4x10mm <sup>2</sup>	195
5	ET10	4	100	60	15	25	7.5	1445	17.6	4x10mm <sup>2</sup>	215
6	ET10H	4	100	48	20	14	7.5	1445	17.6	4x10mm <sup>2</sup>	225
7	ET20	4	100	60	20	30	15	1445	30	4x10mm <sup>2</sup>	320
8	ET20B	6	150	108	18	30	15	1445	30	4x10mm <sup>2</sup>	320

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## GENERAL DETAILS

### Maintaining Peak Performance

The pump's lower suction cover is adjustable, which allows the clearance between the wear plate and the impeller to be maintained for optimum performance and long service life.

Clearance should be set 0.5 - 1.0mm

### Explosion Proof Models

Models ET3/5/7.5B and 10 are available certified explosion proof.

EEx d IIBT5

Certificate No. 80.103.028

### Temperatures

Max. medium temperature: 40°C

Some models can operate up to 80°C

### Acid Resistance

Pumps can operate in media pH 4-9.5

### Working Depth

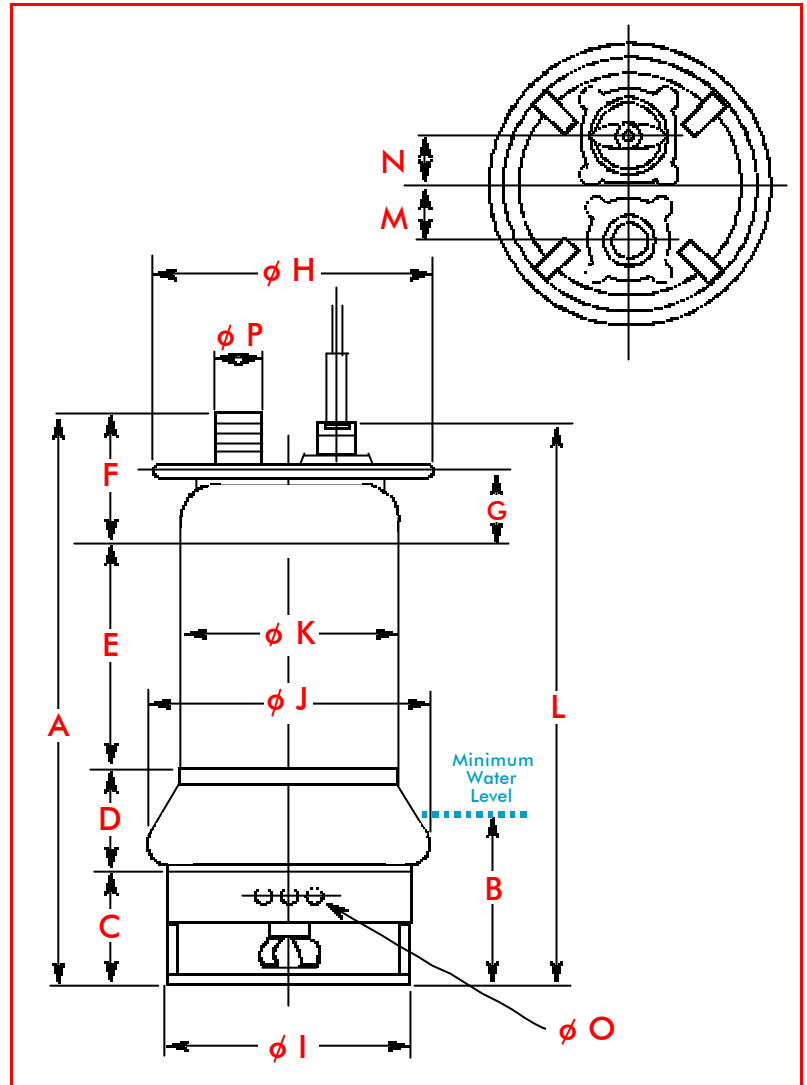
The maximum working depth is 20m.

Lower depths can be achieved with the use of pressure compensators.

### Starting Method

Models ET3/5/7.5/7.5B/10 and 10H can be started 'Direct on Line'.

Model ET20/20B requires Reactor Starter.



No.	Model	Dimensions															
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	ET3	789	245	145	170	280	203	111	360	320	360	300	785	80	55	20	80
2	ET5	818	245	145	170	300	203	111	360	320	360	300	805	80	55	20	80
3	ET7.5	863	265	165	170	320	208	119	440	380	440	340	850	85	70	25	80
4	ET7.5B	883	265	165	170	320	228	119	440	380	440	340	850	85	70	25	100
5	ET10	923	265	165	170	360	228	119	440	380	440	340	890	85	70	25	100
6	ET10H	923	265	165	170	360	228	119	440	440	450	340	890	85	70	14	100
7	ET20	1079	350	235	225	370	248	150	-	440	470	410	1065	100	100	30	100
8	ET20B	1108	350	235	225	370	278	150	-	440	470	410	1065	100	100	30	150

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