

Shakespeare was inspired.

We think you will be too.

DRAGFLOW

Considering it's from the region of Italy that inspired Shakespeare, Dragflow admittedly doesn't have the flashiest name. But it more than makes up for that in toughness.

Established in the 1980s, Dragflow immediately found its spot in the limelight – heavy duty submersible agitator pumps for handling slurries with high abrasive solids. For marine, mining and the energy sector it's difficult to find better.

The Dragflow team constantly works on technological solutions that improve performance and help meet the end users' needs:

Optimising sustainable operations by achieving energy savings, and reducing environmental impacts and overall costs.

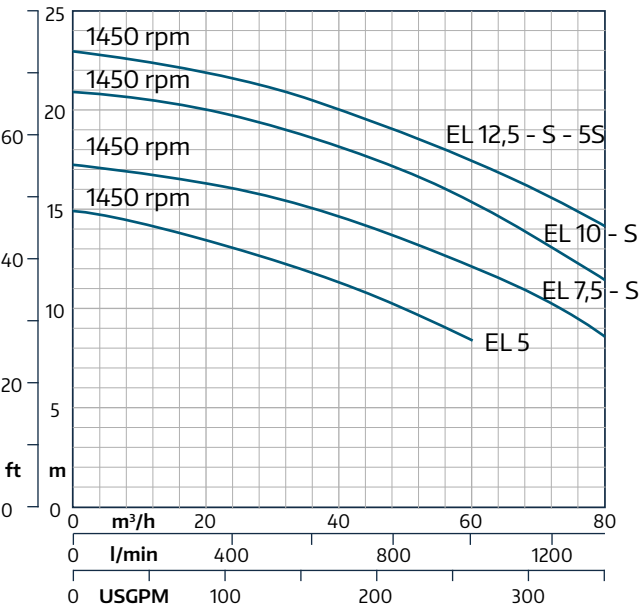
Dragflow: Take a bow.

Heavy Duty Electric Pumps

EL5 - EL12,5

Features:

- High efficiency agitator to lift settled solids
- High chrome wear parts for resistance to abrasion
- Capable of handling up to 70% solids by weight
- Low RPM to reduce wear



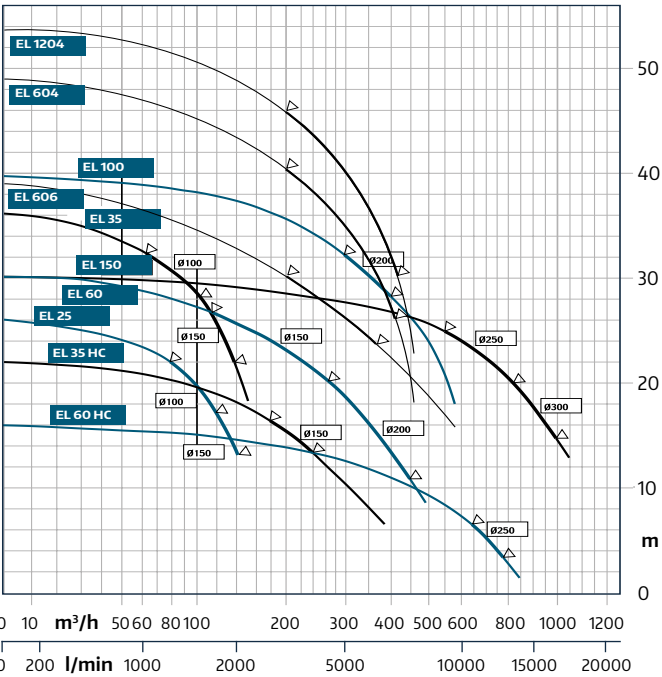
Pump	Delivery		Capacity	Head	Power	Speed	Solid Handling		Weight
Model	mm	Inch	m³/h	m	HP/kW	R.P.M.	mm	Inch	kg
EL5	80	3	30	12	5 / 3.7	1450 / 1750	20	0.8	200
EL7,5	100	4	60	12	7.5 / 5.5	1450 / 1750	25	1	250
EL7,5S	100	4	60	12	10 / 7.5	1450 / 1750	25	1	260
EL10	100	4	60	15	10 / 7.5	1450 / 1750	25	1	260
EL10S	100	4	60	15	12.5 / 9	1450 / 1750	25	1	270
EL12,5	100	4	60	18	12.5 / 9	1450 / 1750	25	1	270
EL12,5S	100	4	60	18	15 / 11	1450 / 1750	25	1	270

Super Duty Electric

Dragflow has developed a unique range of pumps for extreme heavy duty applications. Pumps in this range are designed with oversized motors and exceptional structural quality to work in applications where all other pumps fail.

Features:

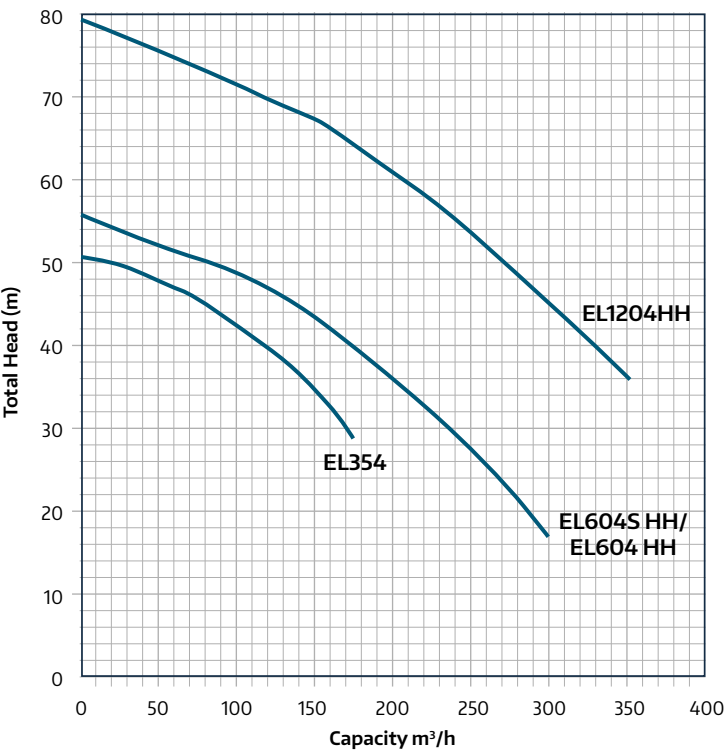
- Slurries up to 1.7 ton/m3.
- Low operating RPM to reduce wear effect.
- Unique lip seal system with front deflector to prevent fine material from penetrating seals.



Pump	Delivery		Capacity	Head	Power	Speed	Solid Handling		Weight
Model	mm	Inch	m³/h	m	HP/kW	R.P.M.	mm	Inch	kg
EL25A	100	4	100	20	18	980	35	1.4	680
EL25B	150	6	140	14	18	980	35	1.4	690
EL35A	100	4	90	30	26	980	35	1.4	750
EL35B	150	6	140	22	26	98	35	1.4	760
EL35HC	150	6	210	15	26	980	35	1.4	750
EL60A	150	6	200	22	44	980	60	2.4	1040
EL60B	200	8	350	18	44	980	60	2.4	1070
EL60HC	250	10	720	5	44	980	90	3.5	1300
EL604A	150	6	200	41	75	1450	60	2.4	1070
EL604B	200	8	470	26	75	1450	60	2.4	1085
EL1204A	150	6	200	46	90	1450	60	2.4	1085
EL1204B	200	8	400	31	90	1450	60	2.4	1095
EL1204HC	250	10	720	16	90	1450	90	3.5	1310

High Head Heavy Duty Electric

High Head pumps are the ultimate innovation in heavy duty pumps. These pumps are designed to handle everything, from dirty water to the heaviest slurries, to a higher level than before.



Pump	Delivery		Capacity	Head	Power	Speed	Solid Handling		Weight
Model	mm	Inch	m³/h	m	HP/kW	R.P.M.	mm	Inch	kg
EL354A	100	4	60	46	50 / 37	1450 / 1750	35	1.4	750
EL354B	150	6	120	39	50 / 37	1450 / 1750	35	1.4	765
EL604HH-A	100	4	100	50	100 / 75	1450 / 1750	60	2.4	1070
EL604HH-B	150	6	190	38	100 / 75	1450 / 1750	60	2.4	1070
EL604HH-C	200	8	250	28	100 / 75	1450 / 1750	60	2.4	1070
EL604S HH-A	100	4	100	50	120 / 90	1450 / 1750	60	2.4	1085
EL604S HH-B	150	6	190	38	120 / 90	1450 / 1750	60	2.4	1085
EL604S HH-C	200	8	250	28	120 / 90	1450 / 1750	60	2.4	1085
EL1204HH-A	100	4	100	72	120 / 90	1450 / 1750	60	2.4	1095
EL1204HH-B	150	6	200	68	120 / 90	1450 / 1750	60	2.4	1095
EL1204HH-C	200	8	300	62	120 / 90	1450 / 1750	60	2.4	1095

Advanced control panels

Dragflow panels have a smart-phone style touch screen with intuitive navigation, storage of main equipment's parameters to inspect working history, wireless modules to allow remote connection to the control panel software, and remote control of the equipment.

Dragflow advanced control panel allows you to:

- Monitor your pumps and dredges directly from your office.
- Inspect how pump has been used during rental project.
- Monitor efficiency of your operators at the end of the work-shift.
- Save on trips, time and warranty issues.



Model	Power (kW)	Type	Current (A)
Model	m³/h	m	HP/kW
DCP18	18	Reactor / Soft Start	5 – 40
DCP26	26	Reactor / Soft Start	5 – 60
DCP37	37	Reactor / Soft Start	20 – 80
DCP44	44	Soft Start	40 – 90
DCP60	60	Soft Start	50 – 130
DCP75	75	Soft Start	70 – 150
DCP90	90	Soft Start	95 – 196
DCP110	110	Soft Start	105 – 231

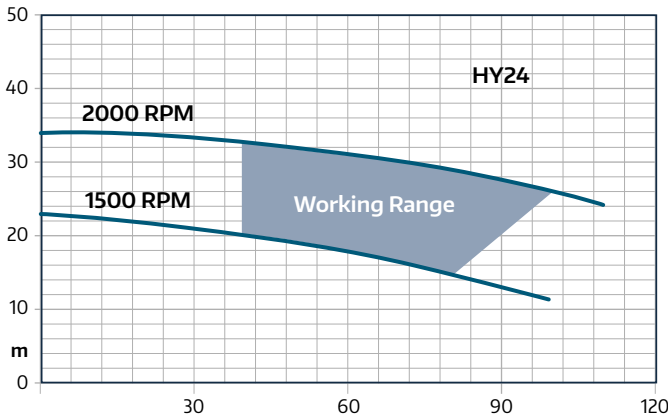
Hydraulic Dredge Pumps

Submersible heavy duty agitator pumps.
Hydraulically driven with variable RPM.



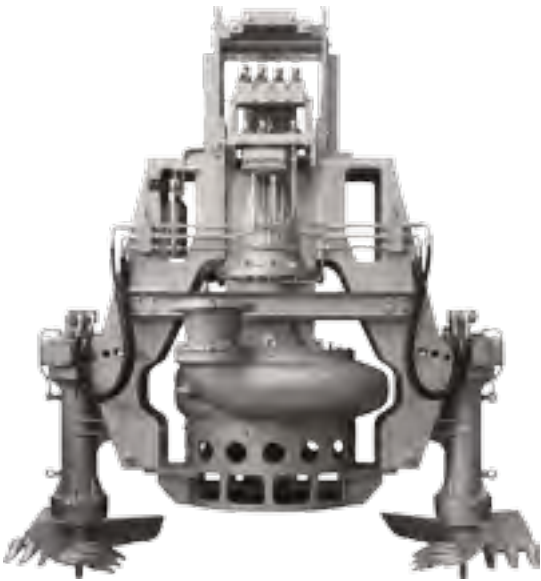
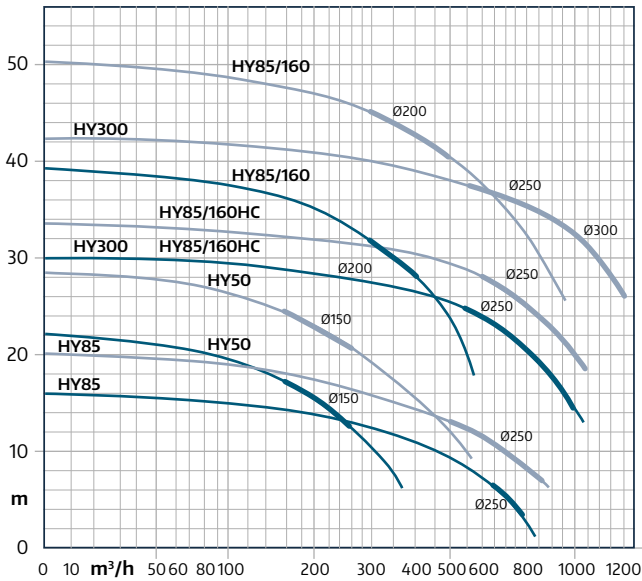
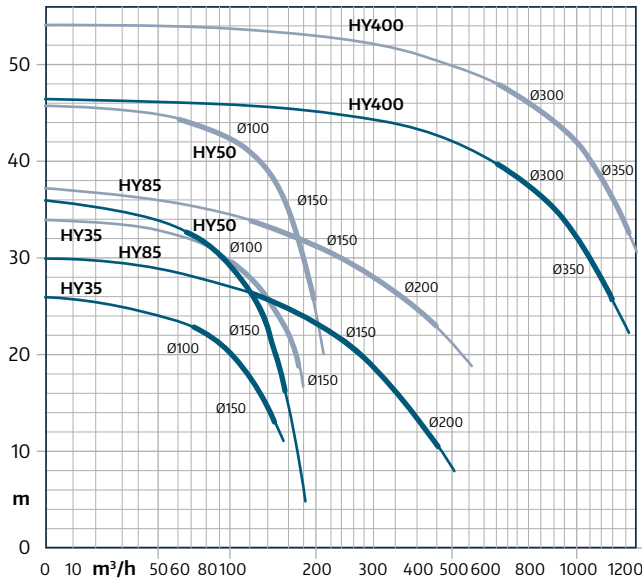
Main features:

- All Pumps have standard high efficiency agitator to lift settled solids.
- High abrasion resistance with high chrome wear parts.
- Low rotation speed to reduce wear.
- Able to handle up to 70% solids by weight.
- Easy installation on the boom of hydraulic excavators



Pump	Delivery		Capacity	Head	Power	Speed	Solid Handling		Weight
Model	mm	Inch	m³/h	m	HP/kW	R.P.M.	mm	Inch	kg
HY24	100	4	80	28	10 / 19	1450 / 1750	22	1	200
HY35A	100	4	120	28	18 / 25	980 / 1180	35	1.4	500
HY35B	150	6	170	20	18 / 25	980 / 1180	35	1.4	510
HY50A	100	4	110	42	25 / 37	980 / 1180	35	1.4	600
HY50B	150	6	170	32	25 / 37	980 / 1180	35	1.4	610
HY50HC	150	6	250	21	25 / 37	980 / 1180	60	2.4	700
HY50/108A	100	4	140	65	44 / 62	1180 / 1450	35	1.4	600
HY50/108B	150	6	210	58	44 / 62	1180 / 1450	35	1.4	620
HY85A	150	6	240	30	44/62	980/1180	60	2.4	700
HY85B	200	8	350	23	44 / 62	980 / 1180	60	2.4	730
HY85HC	250	10	720	7	44 / 62	980 / 1180	90	3.5	1000
HY85/160A	200	8	370	50	88 / 115	1180 / 1450	60	2.4	820
HY85/160B	250	10	500	36	88 / 115	1180 / 1450	60	2.4	840
HY85/160HC	250/300	10/12	900	23	88 / 115	1180 / 1450	90	3.5	1100

Heavy Duty | HY300 - HY400



Pump	Delivery		Capacity	Head	Power	Speed	Solid Handling		Weight
Model	mm	Inch	m³/h	m	HP/kW	R.P.M.	mm	Inch	kg
HY300A	250	10	900	34	110 / 214	60 / 750	120	4.7	3500
HY300B	300	12	1200	28	110 / 214	600 / 750	120	4.7	3550
HY400A	300	12	1000	42	239 / 295	750 / 850	120	4.7	3550
HY400B	350	14	1200	34	239 / 295	750 / 850	120	4.7	3600
HY400C	400	16	1350	32	239 / 295	750 / 850	120	4.7	3600

Dredge pump accessories

Hydraulic Excavator

The hydraulic excavators, normally mounted on the right and left hand sides of the pump casing, are used for hard compacted soil where a mechanical excavator would otherwise be required. Together with the action of the agitator mounted on the pump shaft, the resulting slurry is drawn into the pump suction and pumped out through the discharge line.

- Cutting head is designed to reduce cost of wear parts thanks to interchangeable hard teeth.
- Robust hydraulic motor guarantees strong torque and long life.
- Cutters are designed to work up to 250m working depth, handled by steel cable.



Hydraulic power packs

Hydraulic power packs are specifically designed for use with the HD series equipment. The power packs are based on diesel engines, that complies with latest emission requirements, or electric motors and are built with high quality components. The hydraulic system is based on close loop design therefore maximum oil flow can be controlled without varying diesel engine/electric motor speed.

Every Power Pack can be adapted to better fit customer needs with additional oil source to drive ancillary equipment (such a winches or water pumps).



Jet Ring

Breaks up the solids with the power of water. High pressure water jet ring system can be used in the presence of compact, very dry or clay materials. For electric pumps the jet system can be used as an alternative to hydraulic cutters. It consists of a jet ring frame mounted on the pump strainer & a high pressure centrifugal pump (available in electric and hydraulic versions).



Dredges

Easy and quick assembly: Dragflow dredges are specifically designed and manufactured for easy assembly, both on the ground or in the water, and in arduous conditions.

- Modular hulls permit easy transport with trucks or containers.
- Our dredges are designed to be handled by an operator with a minimum experience of naval equipment.
- High working depth with small floating dimensions (depth up to 100m)
- Our dredges have a limited draught, also suitable to work in shallow water conditions.
- Our dredges are built according to the RINA regulations.
- Standard delivery time is from 10 to 14 weeks.
- Dragflow technology allows high solids concentration, thus making their dredge one of the most economical to operate in the world market.



Remote Controlled Dredges

Remote controlled dredge is the ultimate technology in the dredging sector. Cleaning ponds or extracting sand and gravel from a basin has never been so easy and efficient: the new electric dredge is designed to fit in 20ft container, it is ready to use and allows to reach many objectives: it requires less man power which means lower costs, and it's safer because no humans are needed on the barge.

Instant view of working depth and pump load on the remote control unit allow an excellent management of dredging activities.

Dragflow's innovative automated dredge is perfect for high solid content, up to 70% concentration by weight, and it guarantees a production up to 1000m3 per hour. The new system can reach a max discharge distance of 1km from the dredging point and it's designed for a working depth up to 50 meters below the waterline, with a power from 5 to 150 HP.



Dragflow gives also the possibility to integrate the product with GPS, in order to keep track of working activities and with advanced control panel to register the history of dredge pump operations.

DRP Remote Controlled Series

Jetting Ring System

On barge high pressure water pump for jetting ring

Electric Hoist

To move pump up and down to specific depths

The Pump

Dredging pump specified and selected for your application

Electric Control Panel

- Complete control panel
- Soft start for pump
- Distributes power to all components on the dredge

Winches

Used for positioning the dredge

