

SOLAR 4" MOTOR RANGE

4DC BRUSH-LESS



TRACER PUMPS

LEADING IN MOTION

DC Brush-less Motor

4DC

The 4DC Brush-less motor is designed to work with a TGP Hybrid solar inverter, which is an off-grid solar inverter that supports both AC and DC input. This technology is more efficient at lower voltages and requires fewer PV Panels to operate.

Technical Data:

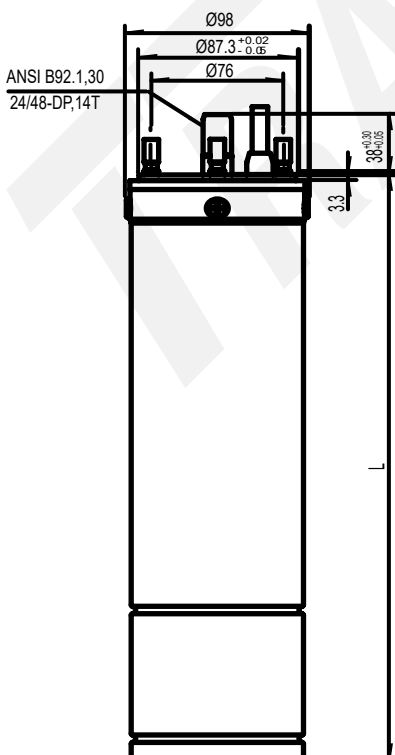
- Power Rating - 0.75kW up to 2.2kW
- Voltage - 110V up to 300V
- Max Submersion Depth - 70m
- Operating Speed - 500 - 3000 rpm
- Isolation - Class B
- Material of Construction - 304 Stainless Steel
- Flange Connection - Nema Standard

Working Conditions:

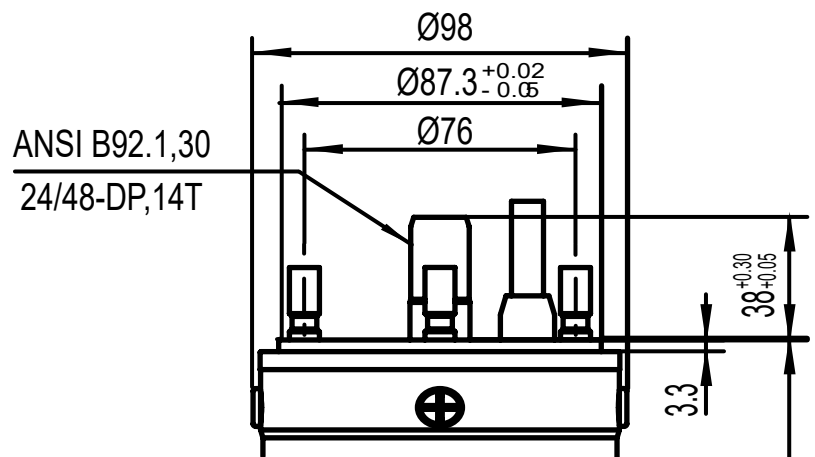
- Max control box ambient temperature: 35°C

	4DC110/0.75kW	4DC150/1.1kW	4DC200/1.5kW	4DC300/2.2kW
Voltage	110V	150V	200V	300V
Max Amps	12A	12A	12A	12A
Weight	5.8kg	5.8kg	5.8kg	7kg
Required Input Watt	1100W	1500W	2200W	3000W

Dimensions:

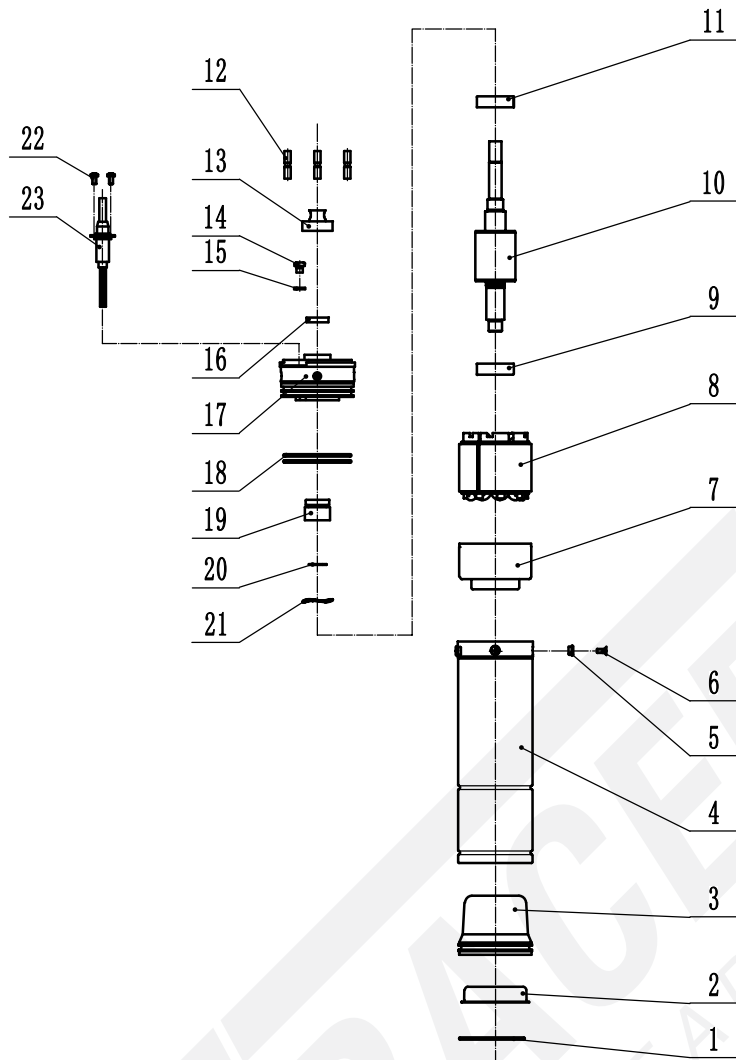


Model	L : Dimension (mm)
4DC110/0.75kW	260
4DC150/1.1kW	260
4DC200/1.5kW	260
4DC300/2.2kW	270



DC Brush-less Motor 4DC

Exploded View:



No	Description	QTY
1	Retaining Ring	1
2	Baseplate	1
3	Diaphragm	1
4	Casing	1
5	Gasket	4
6	Screw	4
7	Bearing Seat	1
8	Stator	1
9	Bearing	1
10	Rotor	1
11	Bearing	1
12	Screw	4
13	Protection Cap	1
14	Screw	1
15	Rubber Washer	1
16	Frame Seal	1
17	Oil Cylinder	1
18	O Ring	2
19	Mechanical Seal	1
20	Retaining Ring	1
21	Wave Spring	1
22	Screw	2
23	Cable Entry	1

DC Brush-less Motor

MINIMUM INVERTER VOLTAGE

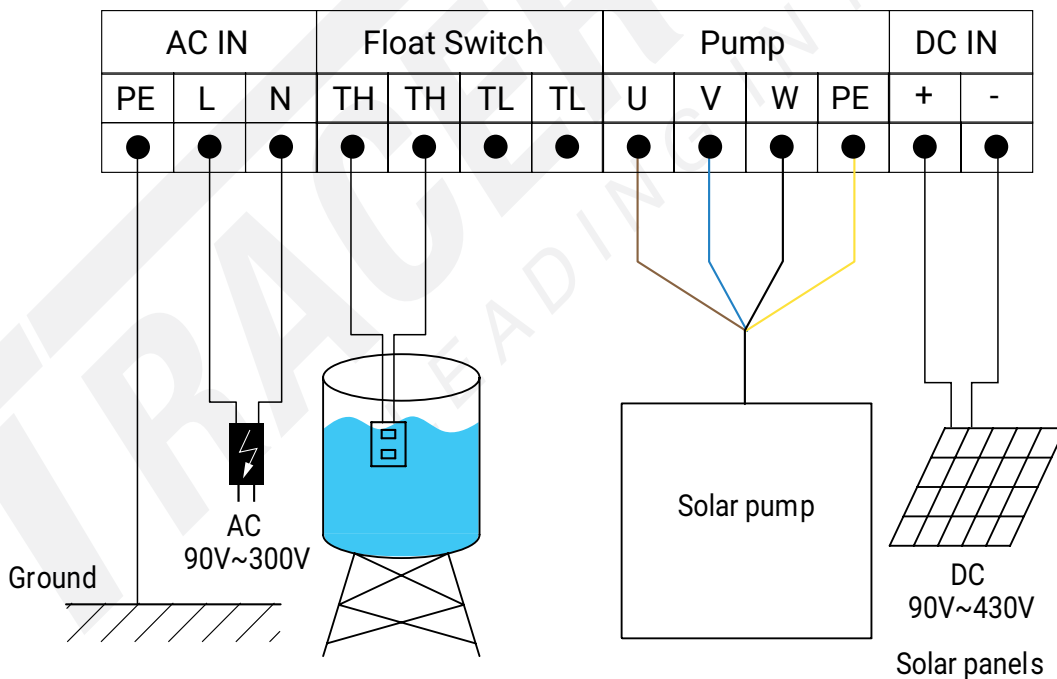
HYBRID/AUTO Mode

Motor Type	Motor Input Voltage	Inverter kW:	Max DC VOC	Max DC Isc	Minimum DC VMPP	Minimum IMPP
DC Brush-less	110	0.75	430	17	340	10
DC Brush-less	150	1.1	430	17	340	10
DC Brush-less	200	1.5	430	17	340	10
DC Brush-less	300	2.2	430	17	340	10

DC only Mode

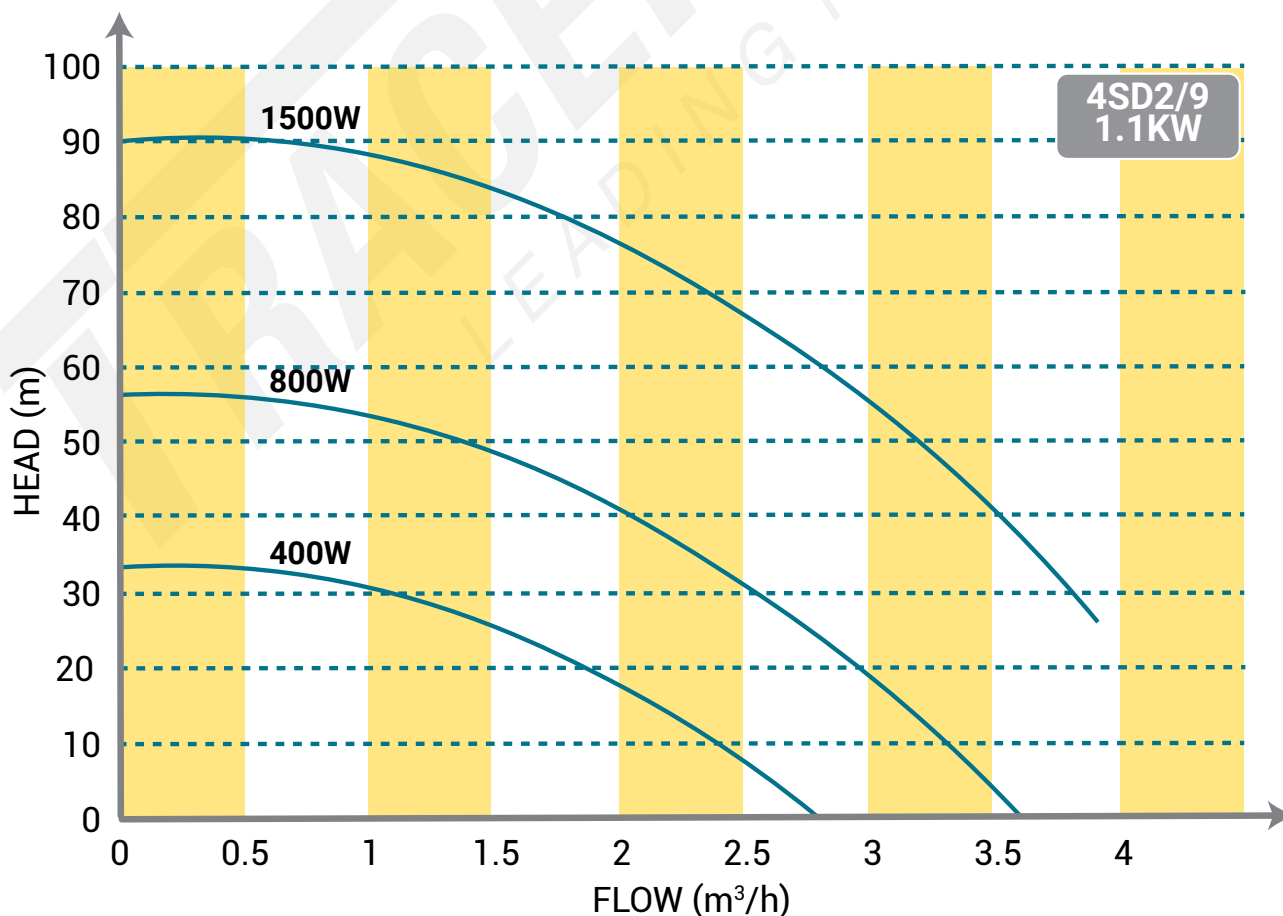
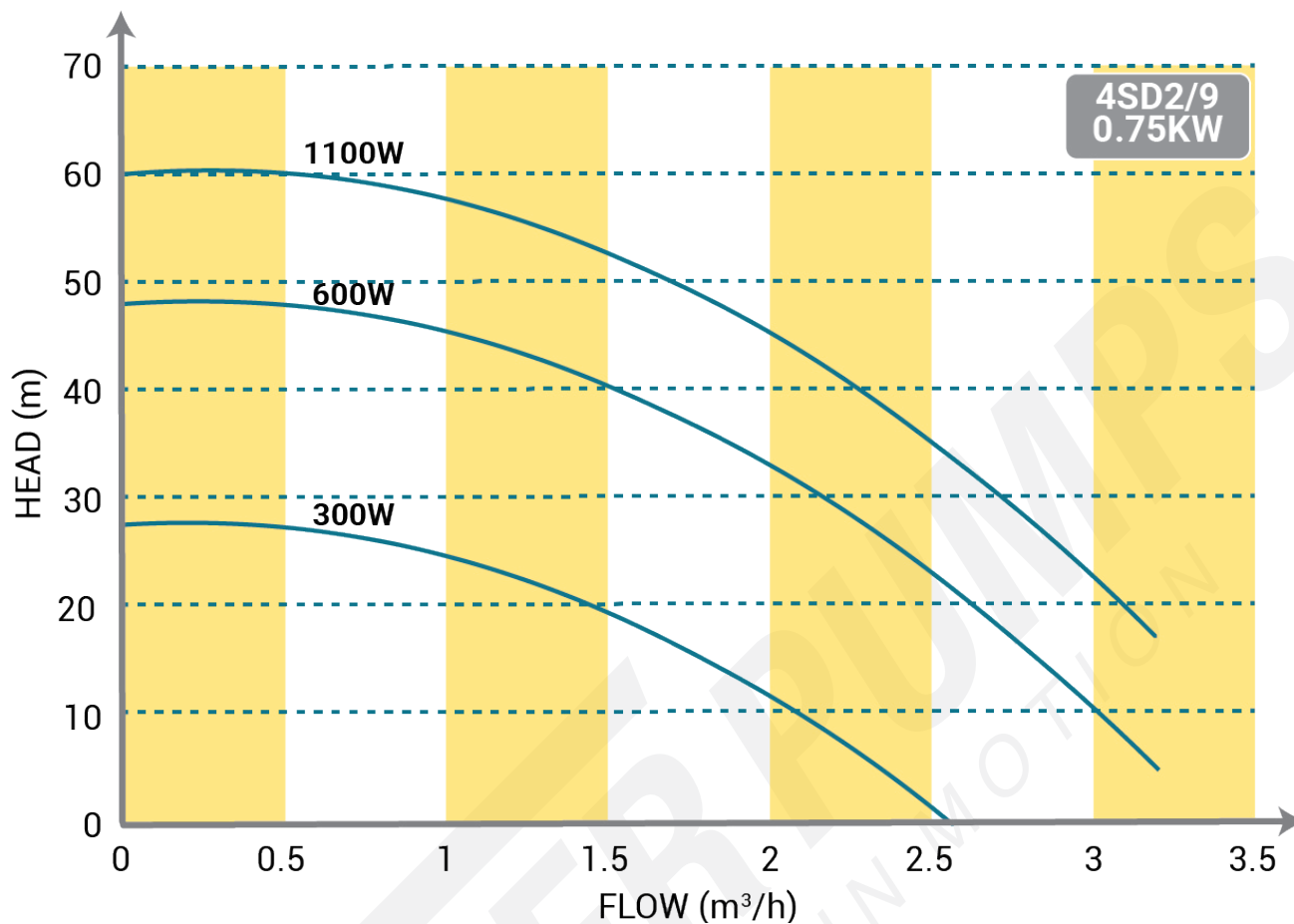
Motor Type	Motor Input Voltage	Inverter kW:	Max DC VOC	Max DC Isc	Minimum DC VMPP	Minimum IMPP
DC Brush-less	110	0.75	430	17	110	10
DC Brush-less	150	1.1	430	17	150	10
DC Brush-less	200	1.5	430	17	200	10
DC Brush-less	300	2.2	430	17	300	10

BLDC PUMP WIRING



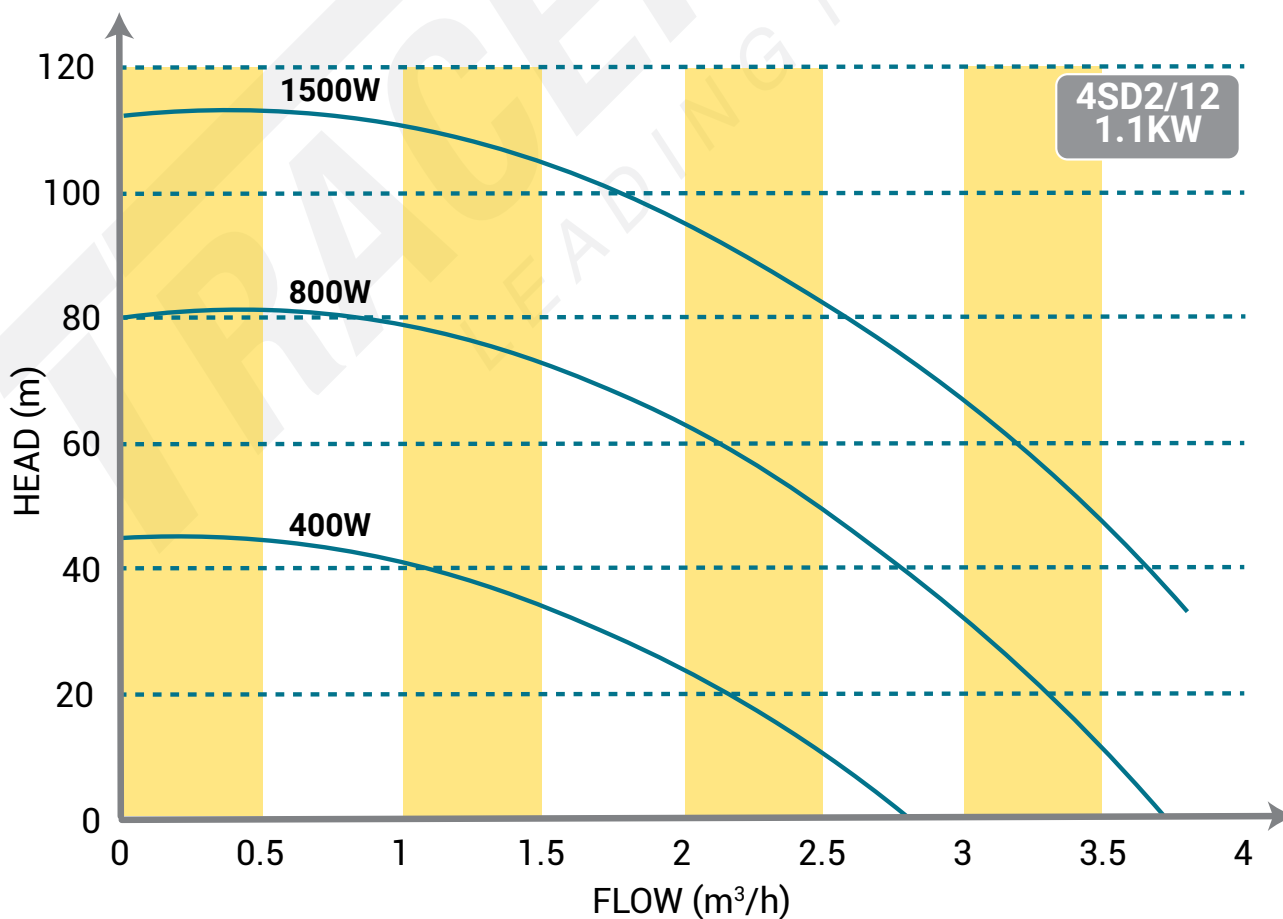
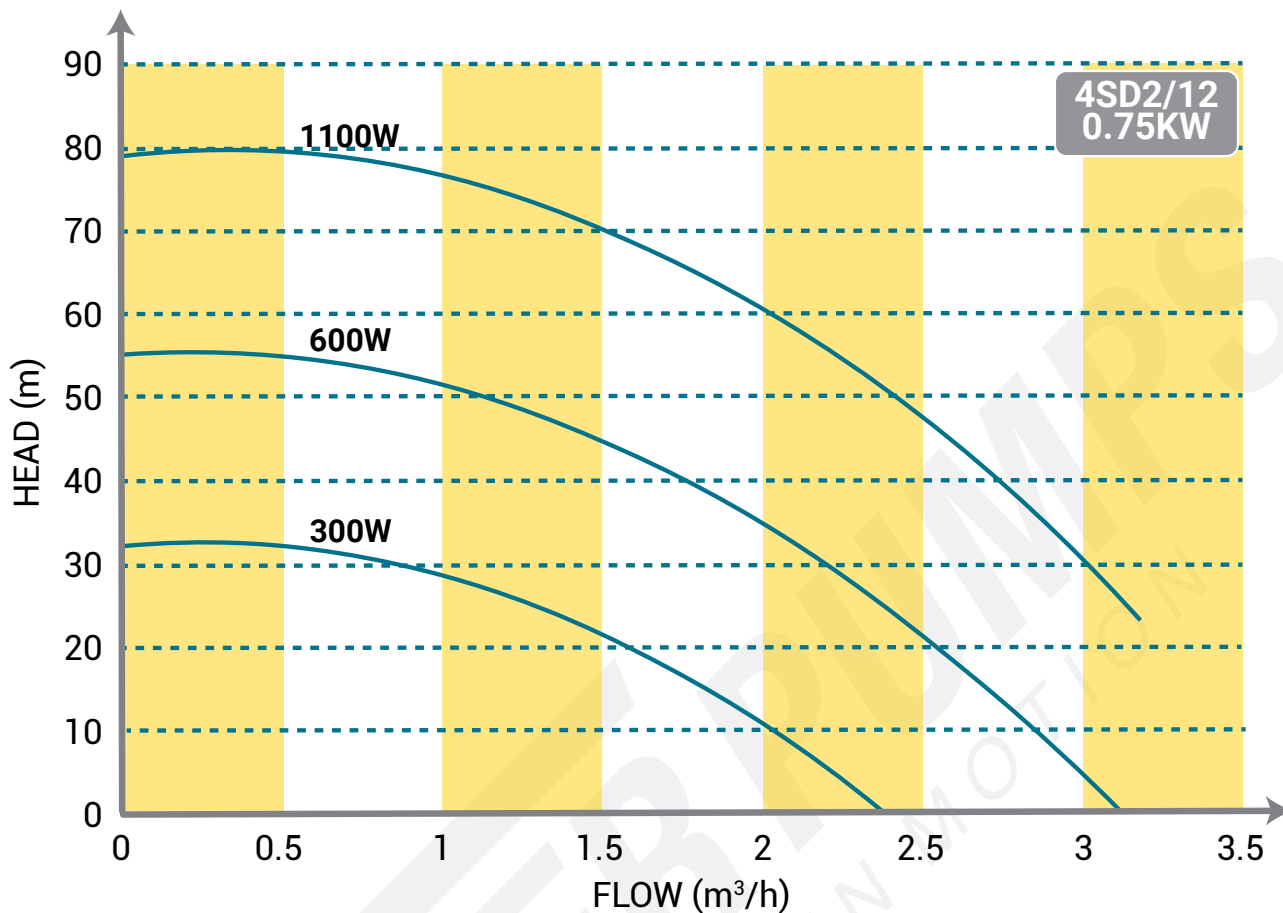
Compatible Wet Ends

4SD2



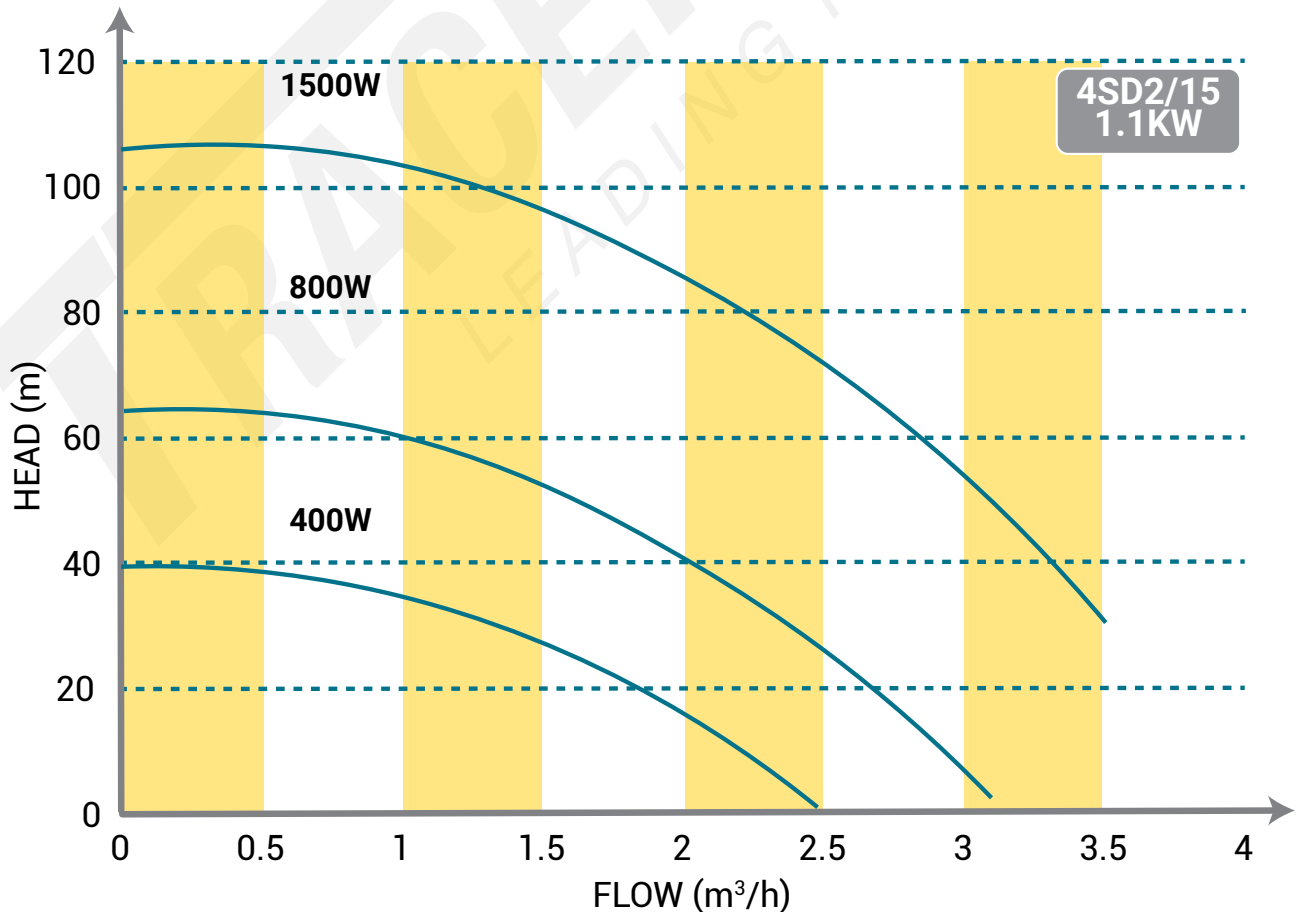
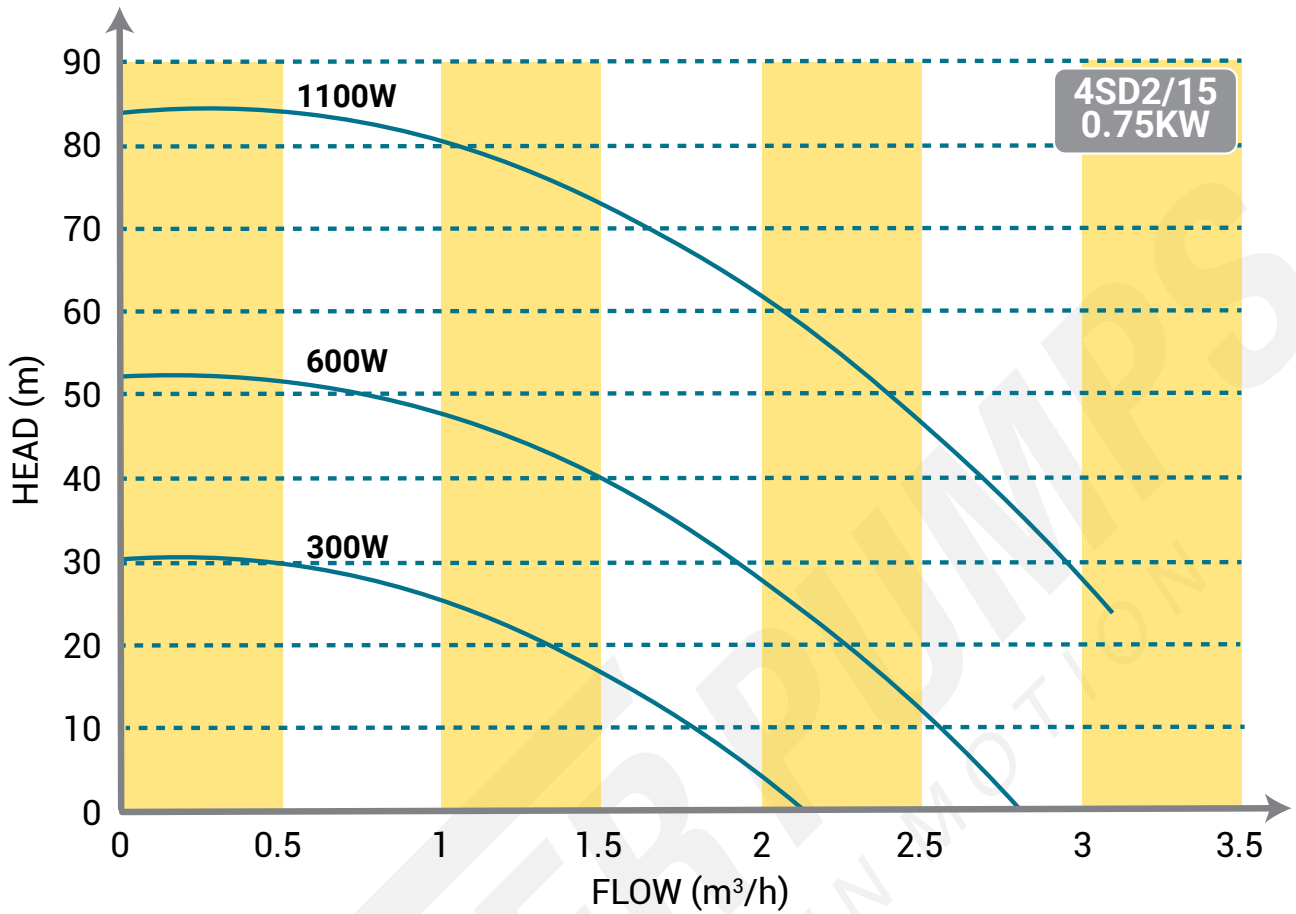
Compatible Wet Ends

4SD2



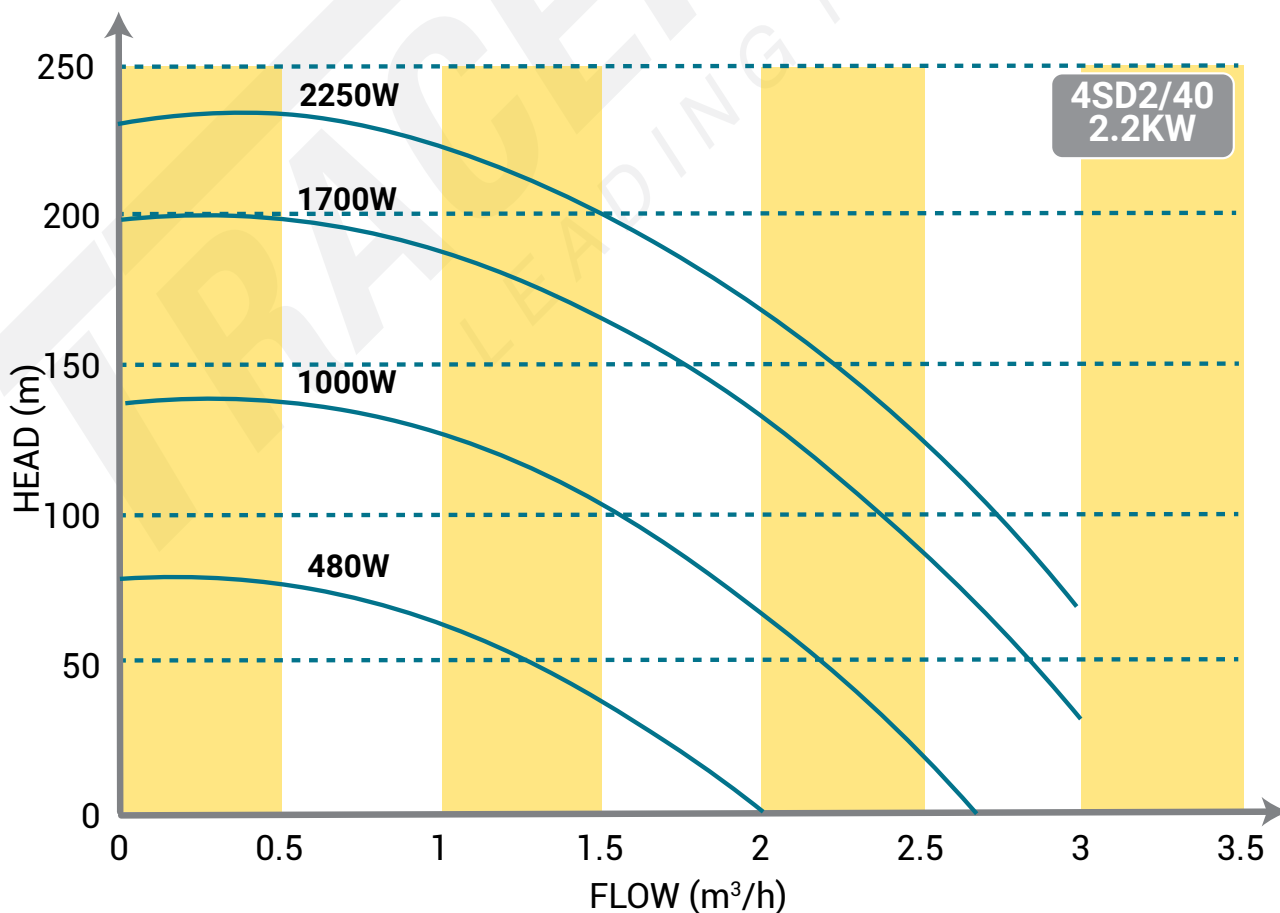
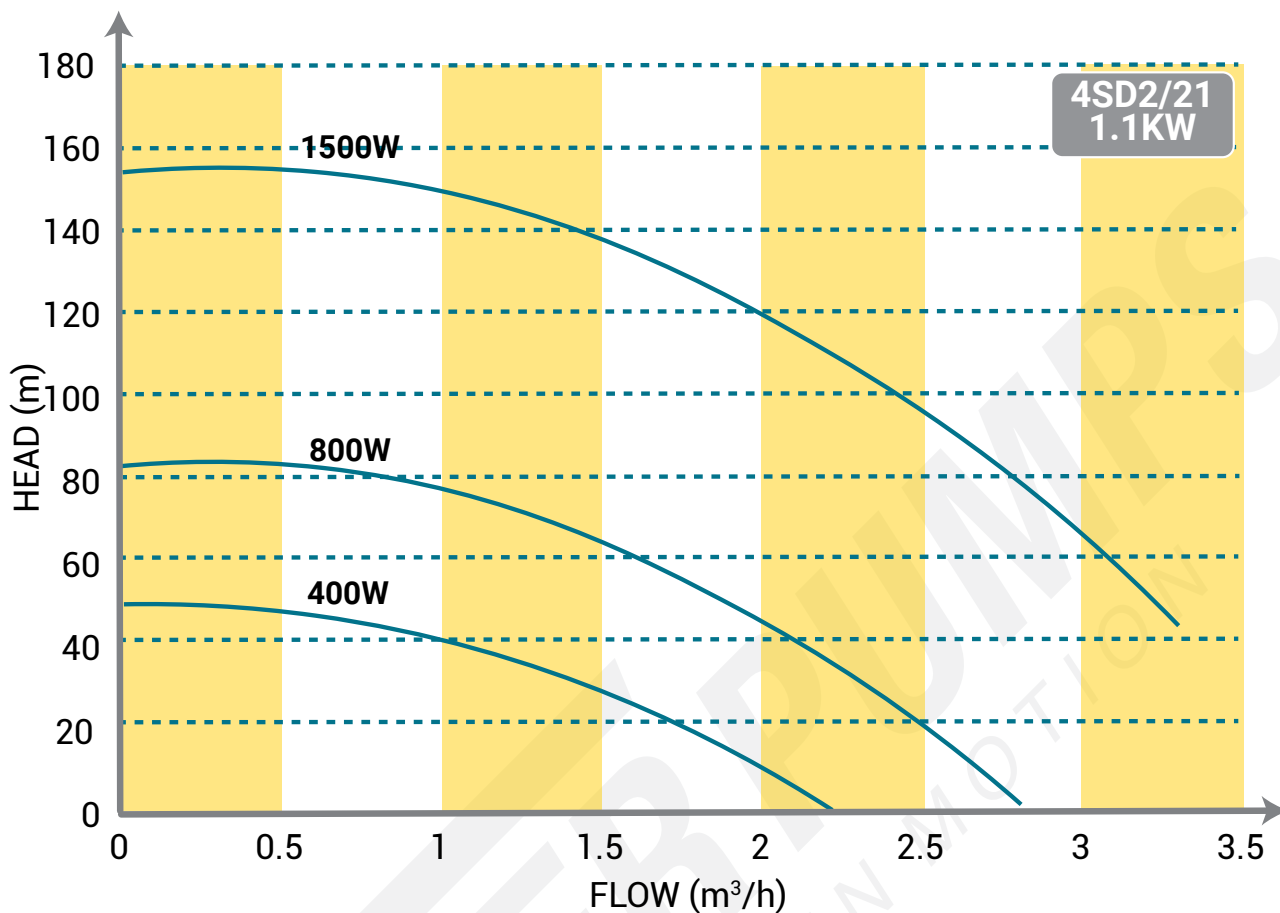
Compatible Wet Ends

4SD2



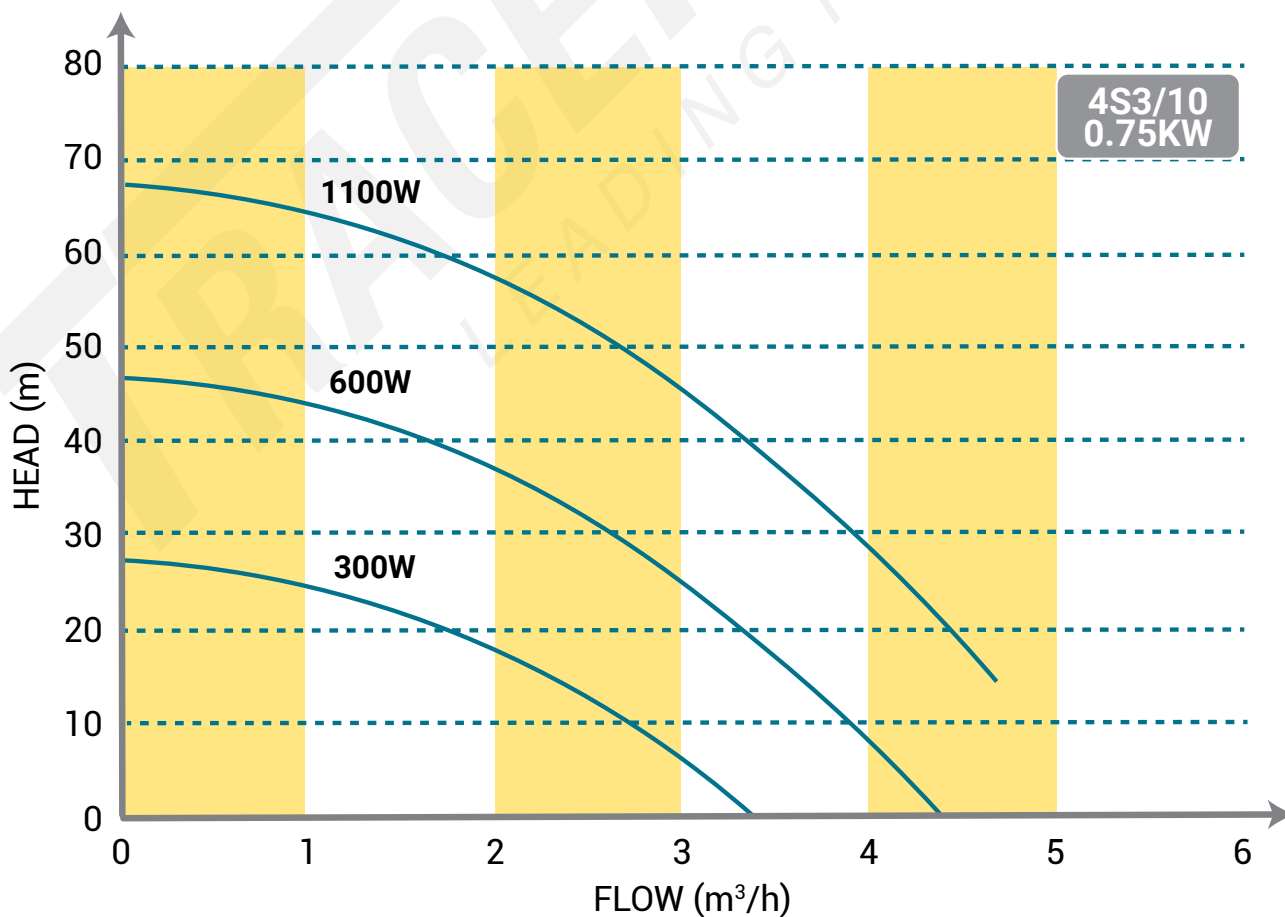
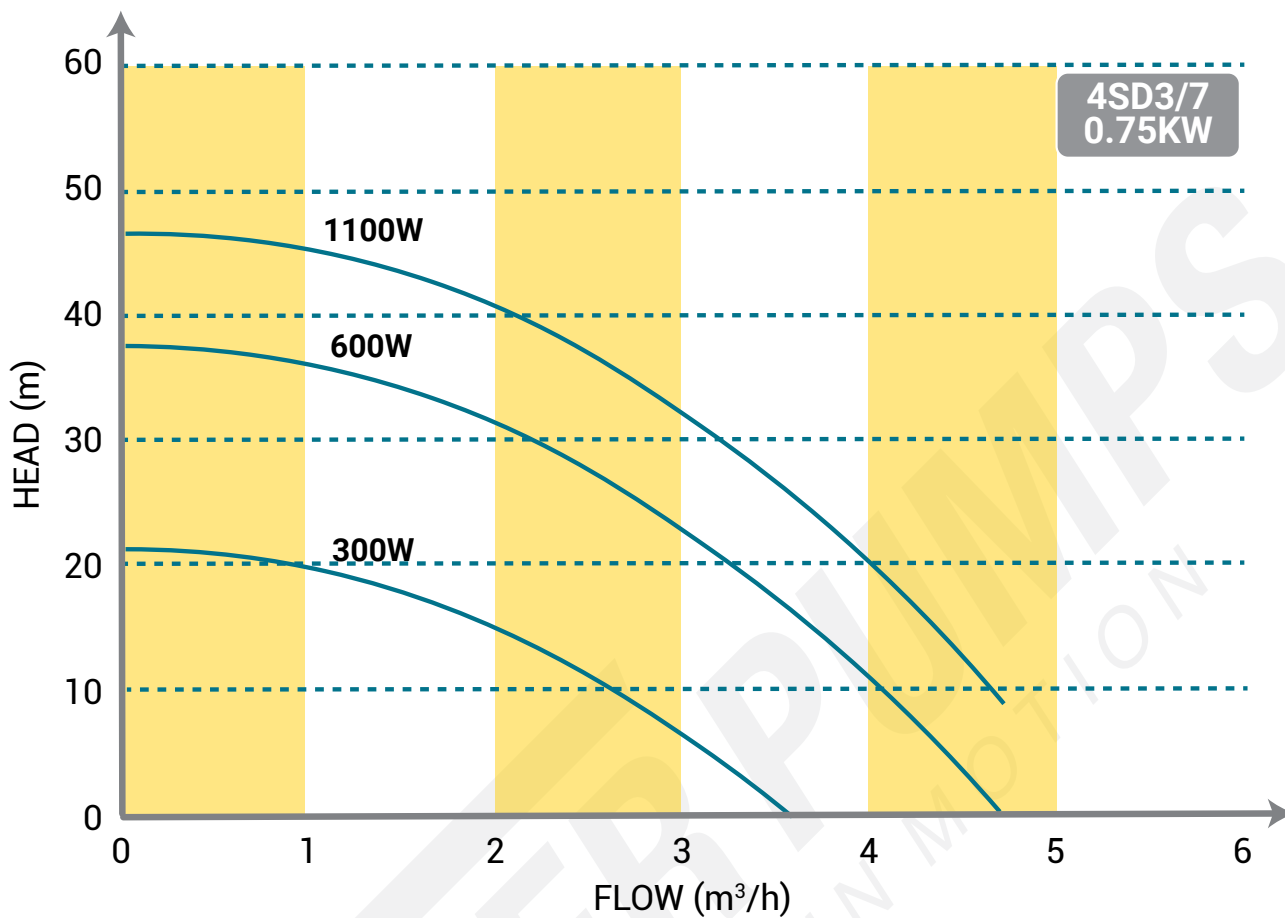
Compatible Wet Ends

4SD2



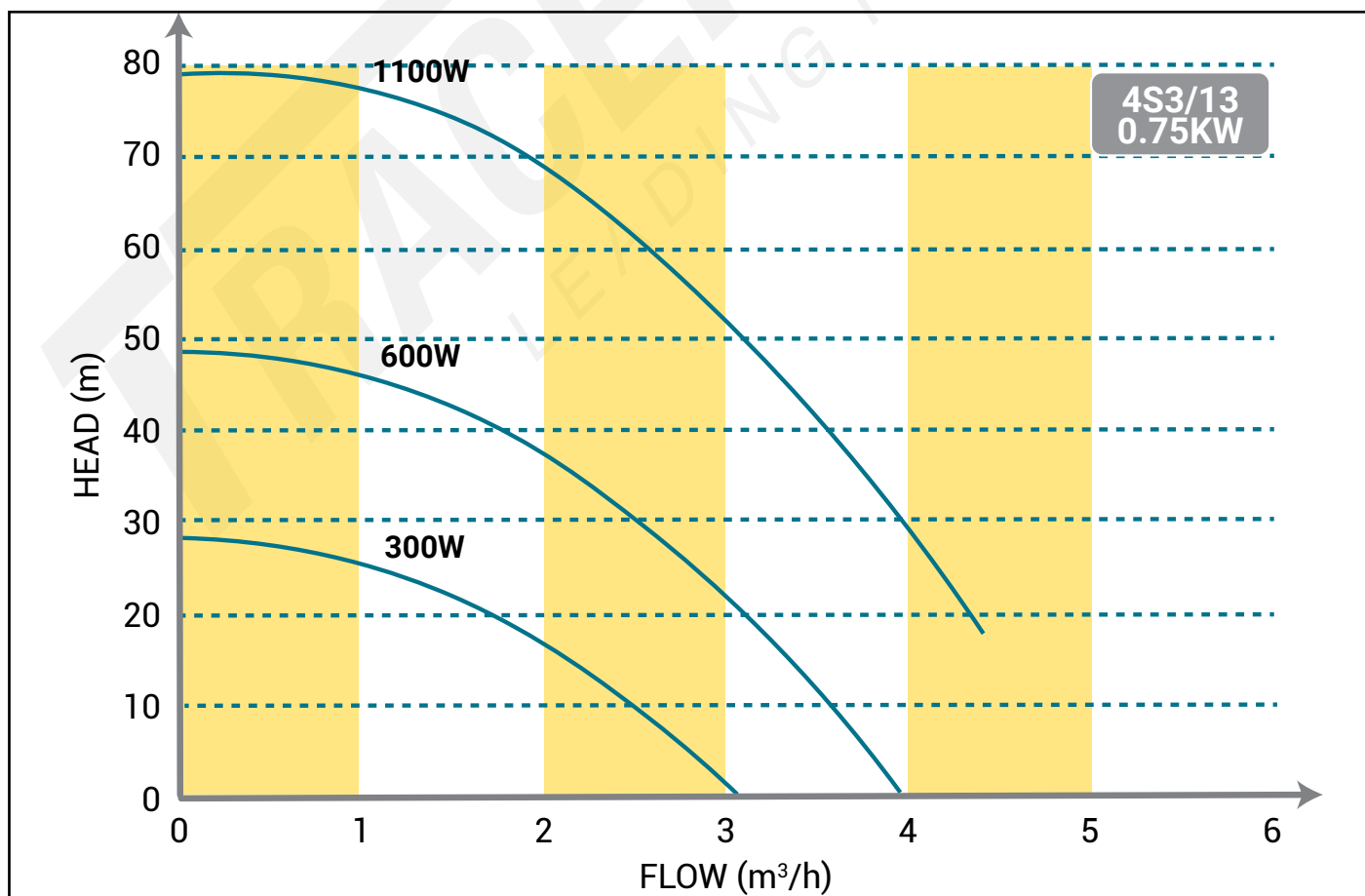
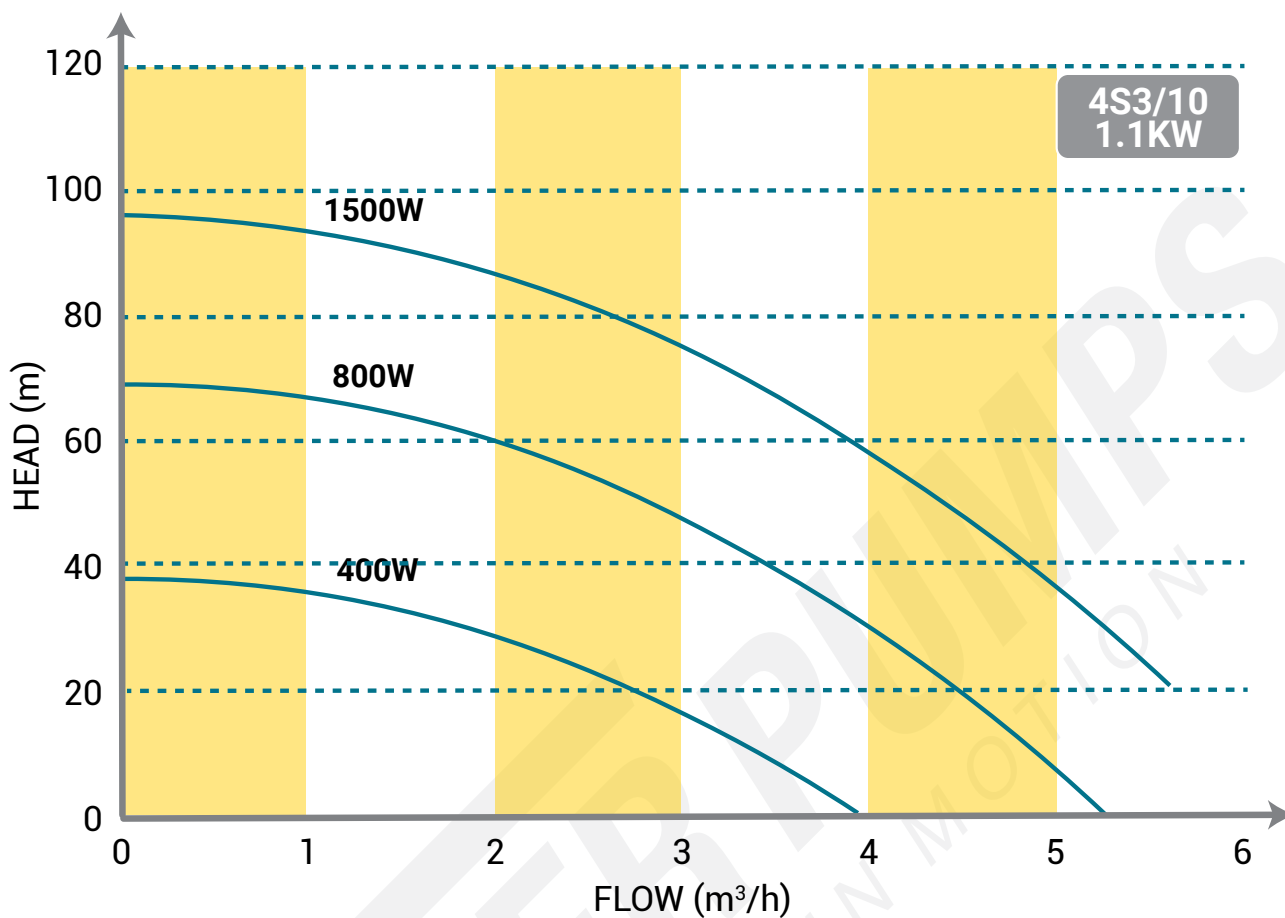
Compatible Wet Ends

4SD3



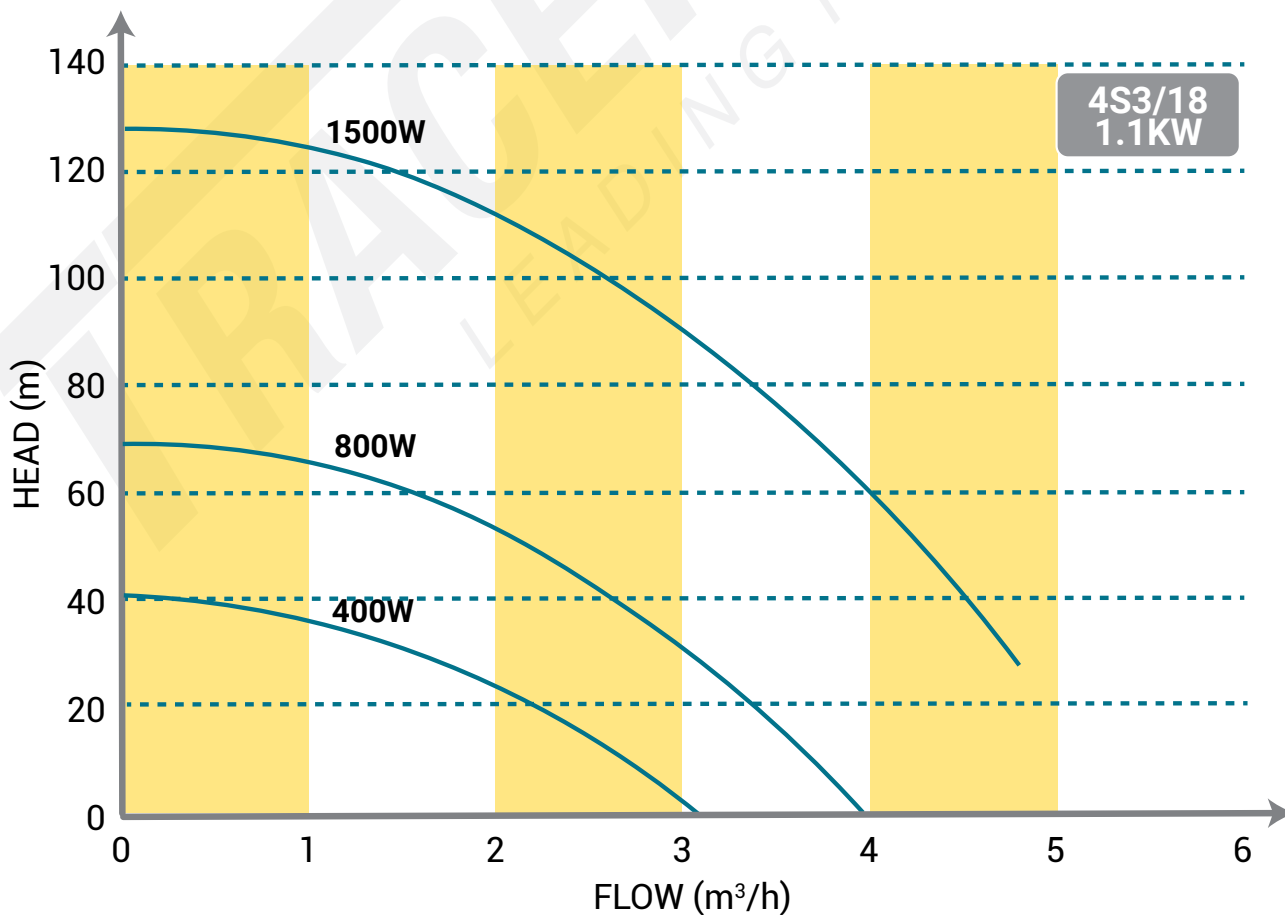
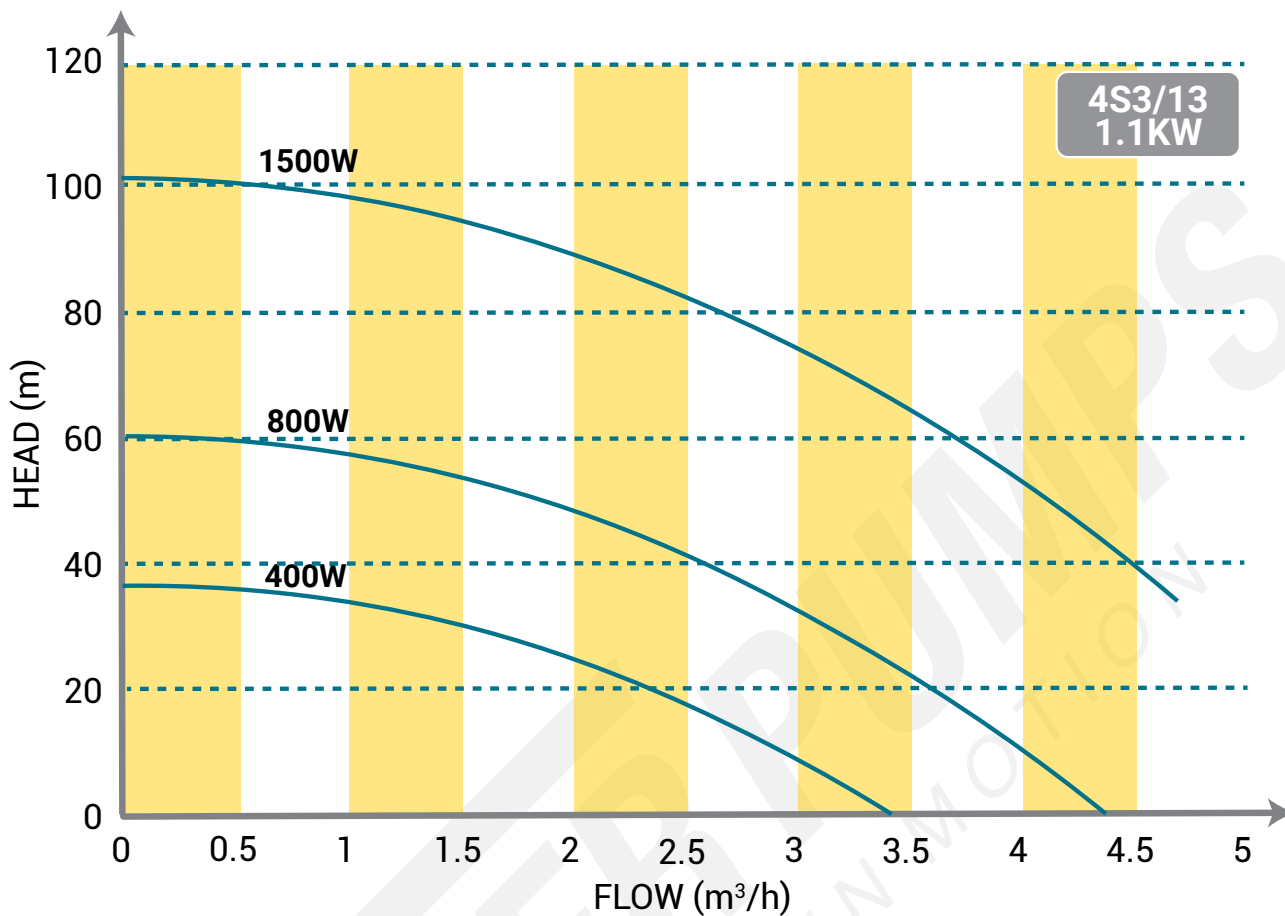
Compatible Wet Ends

4SD3



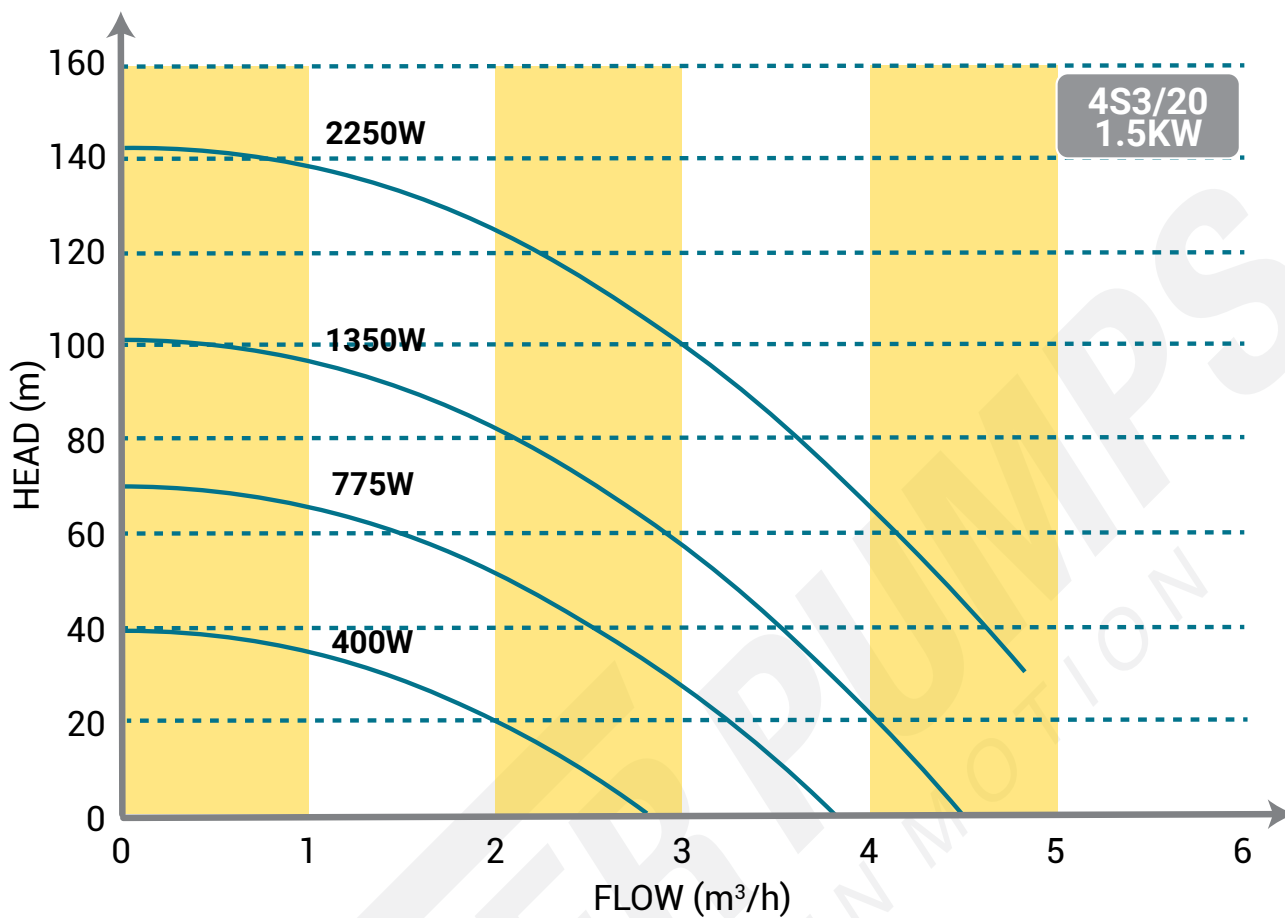
Compatible Wet Ends

4SD3



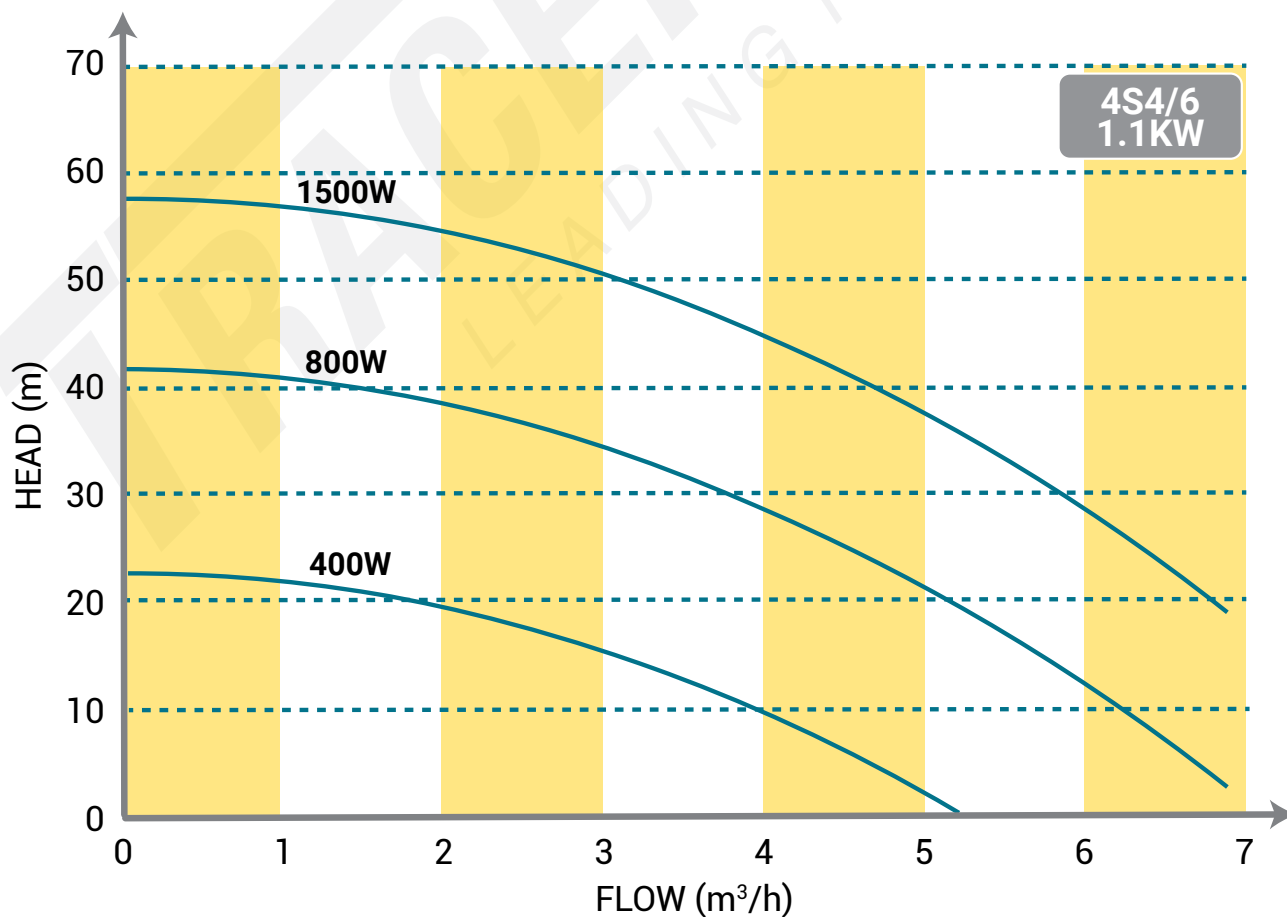
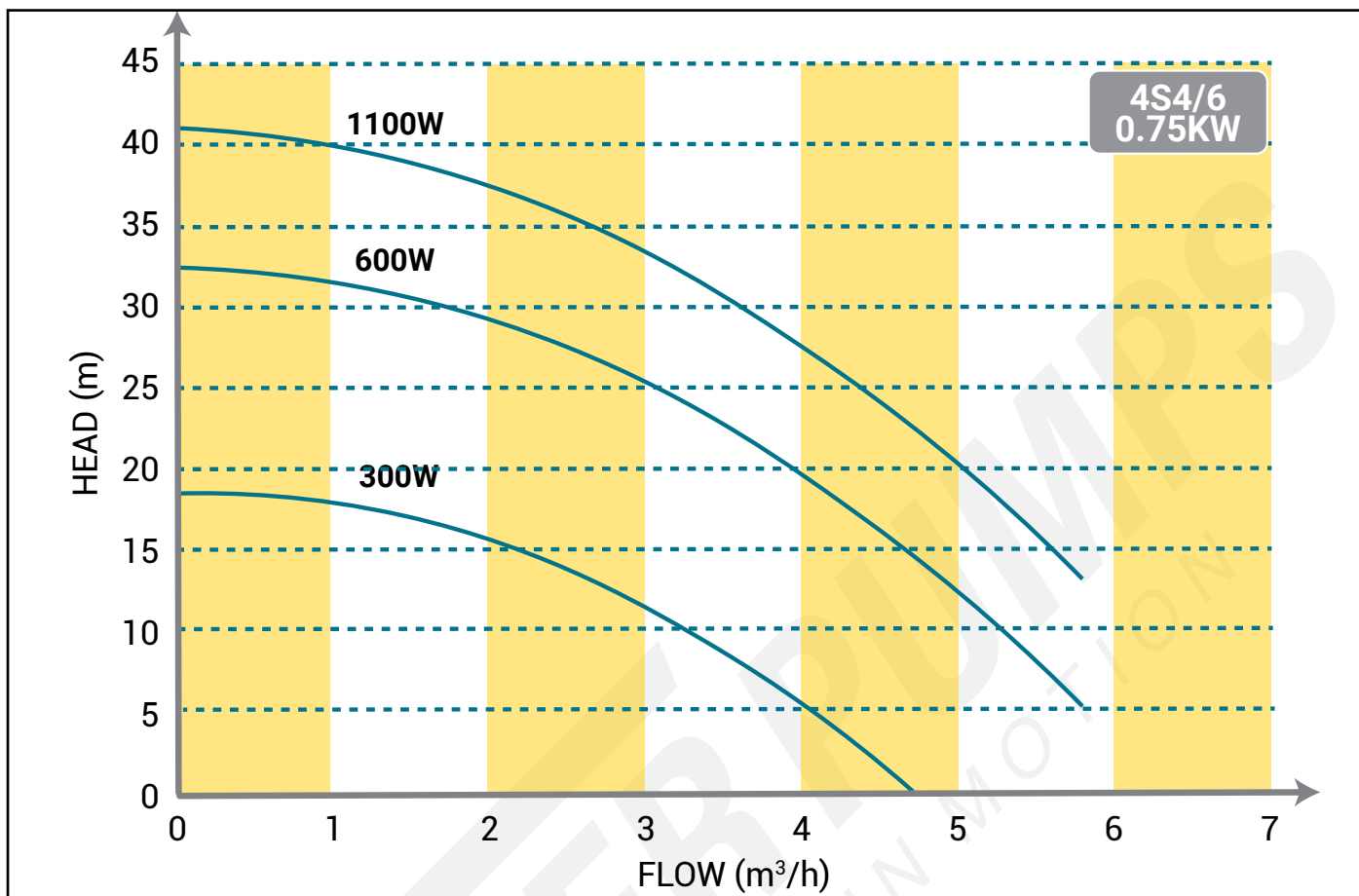
Compatible Wet Ends

4SD3



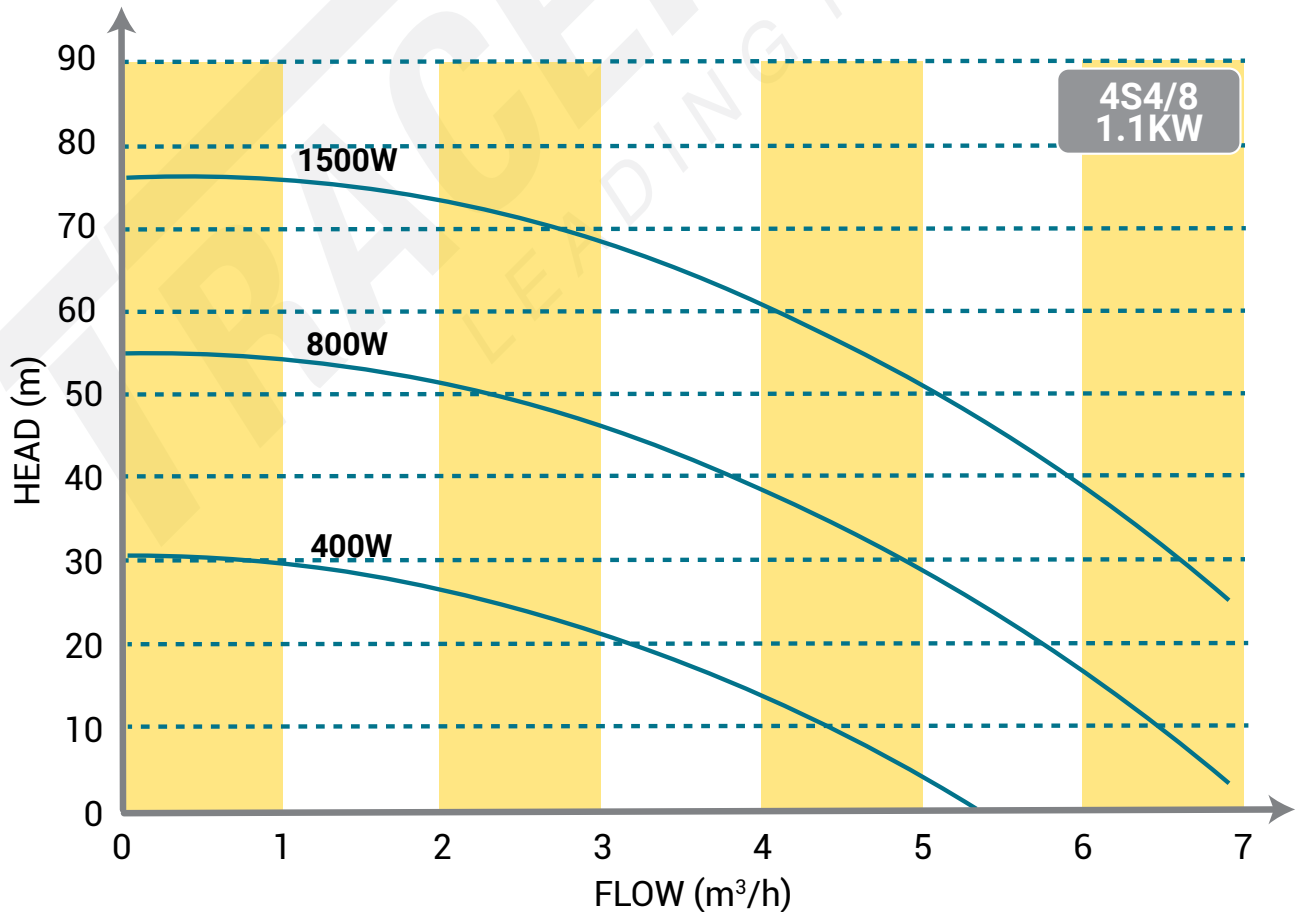
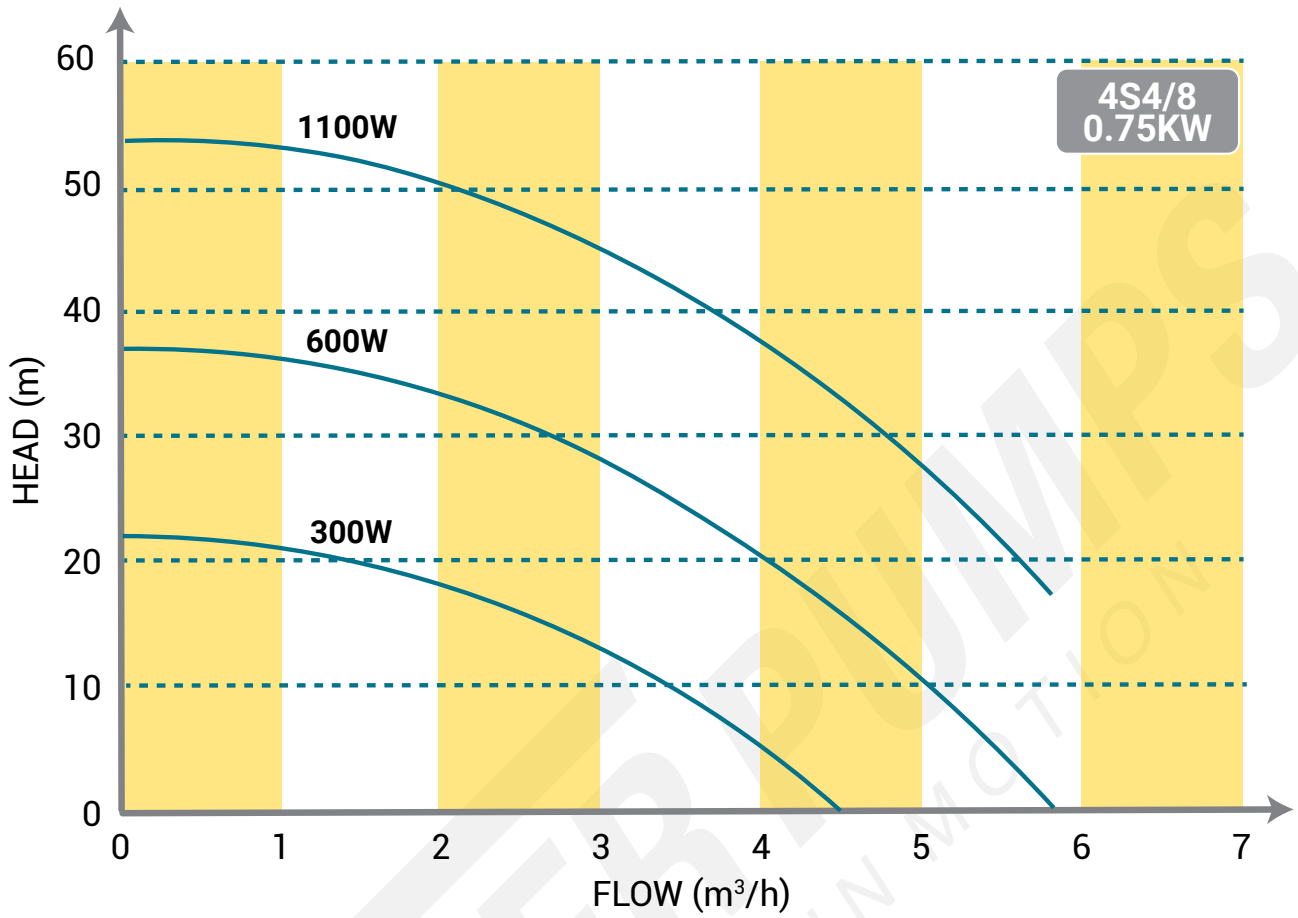
Compatible Wet Ends

4SD4



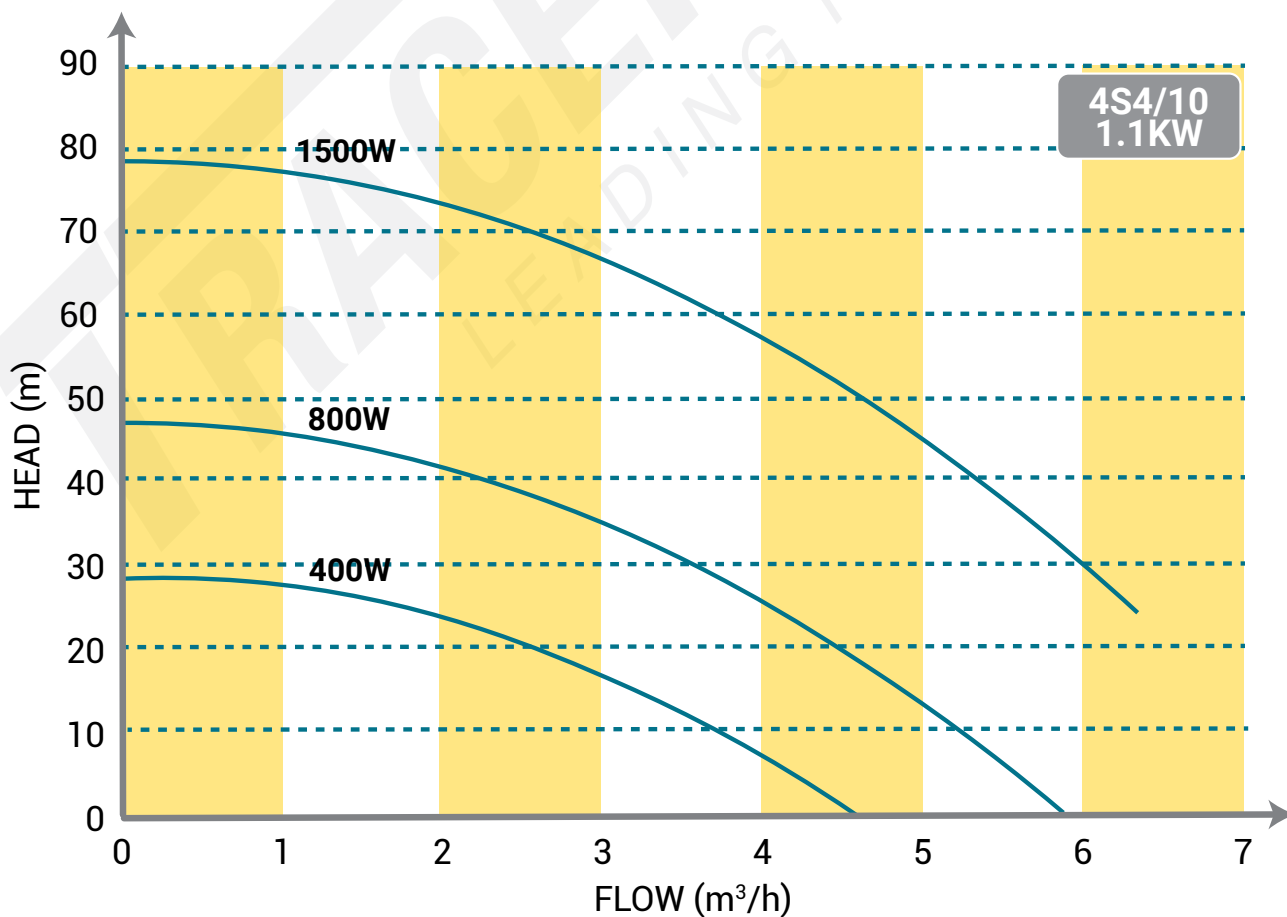
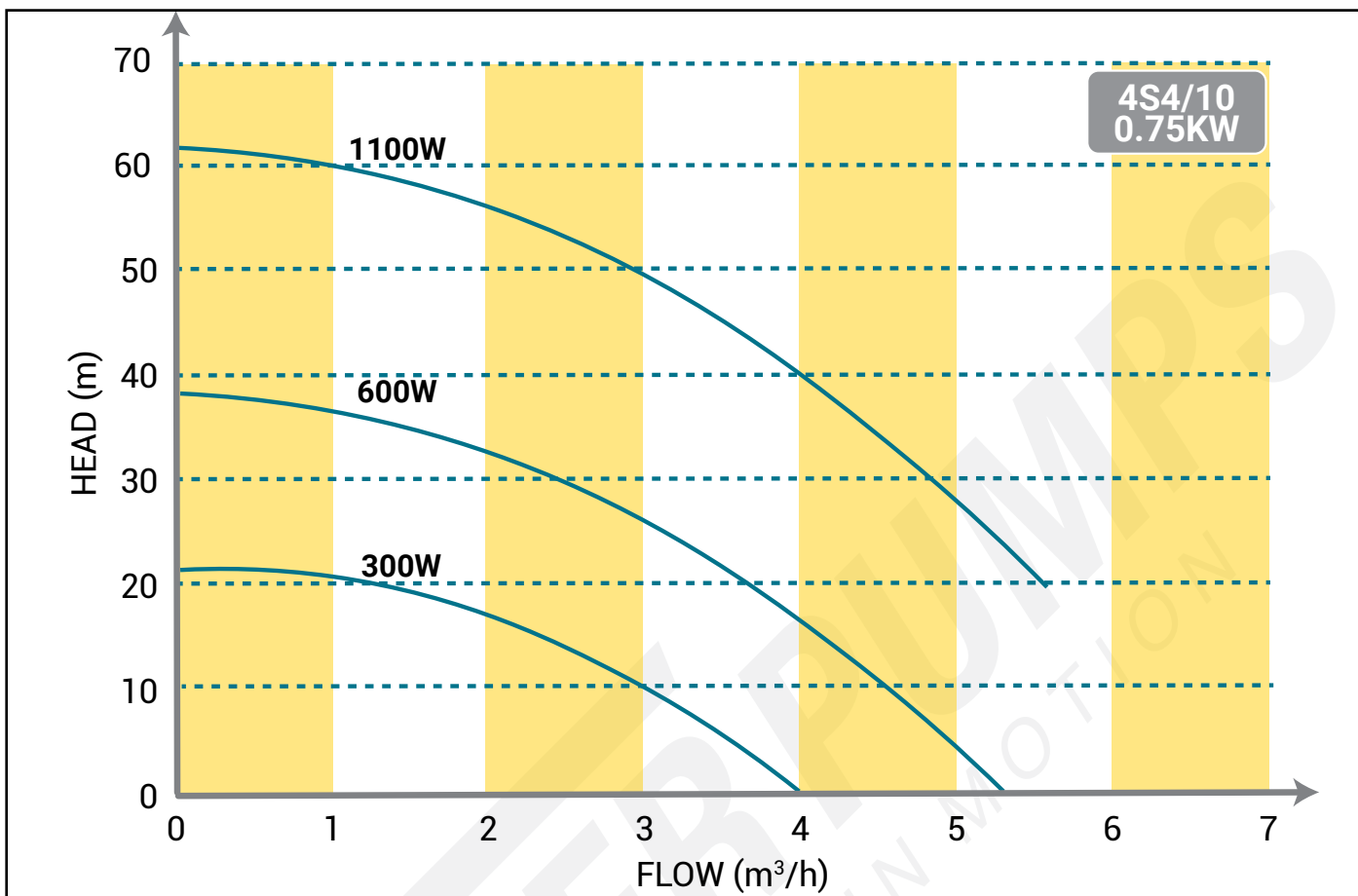
Compatible Wet Ends

4SD4



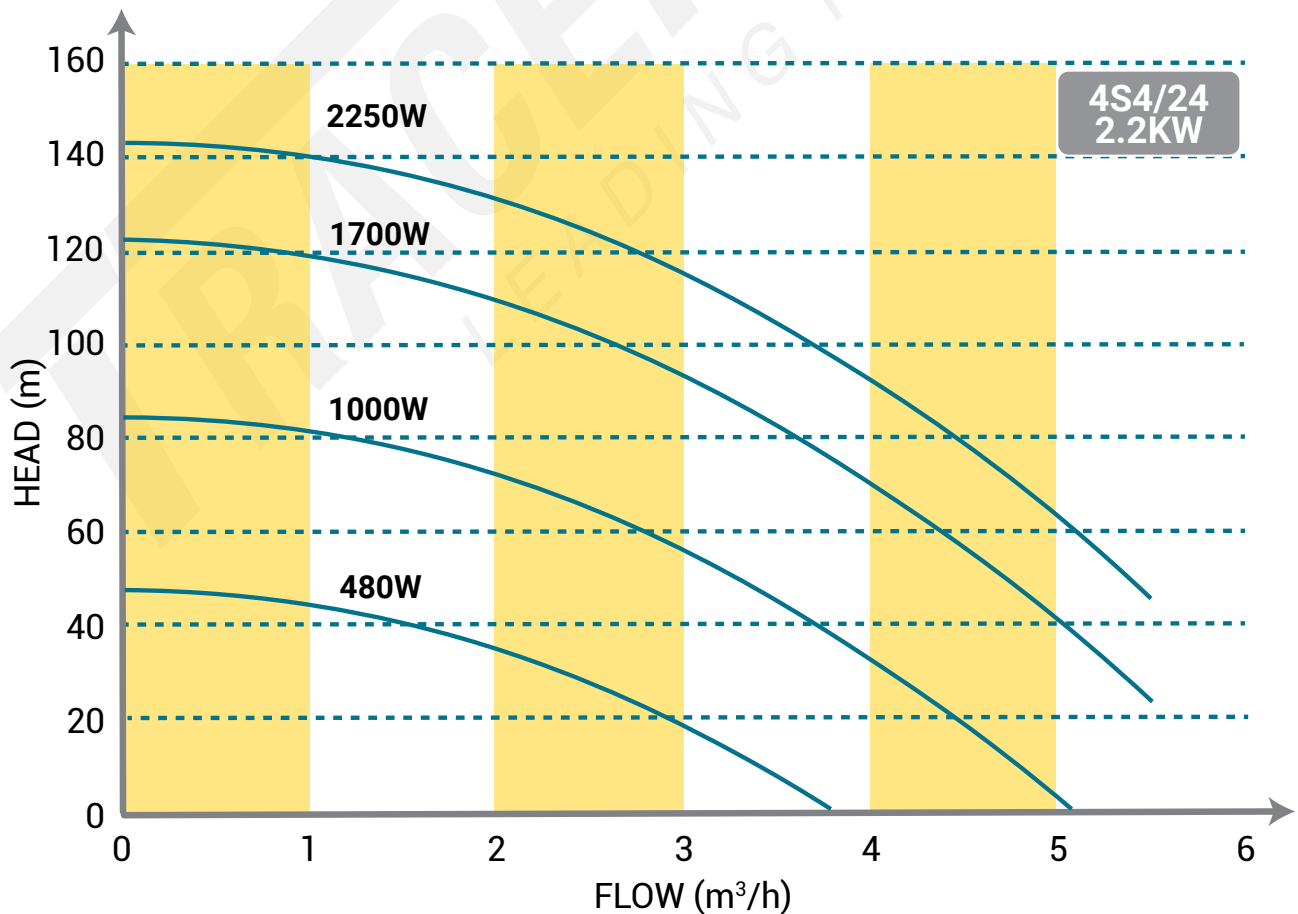
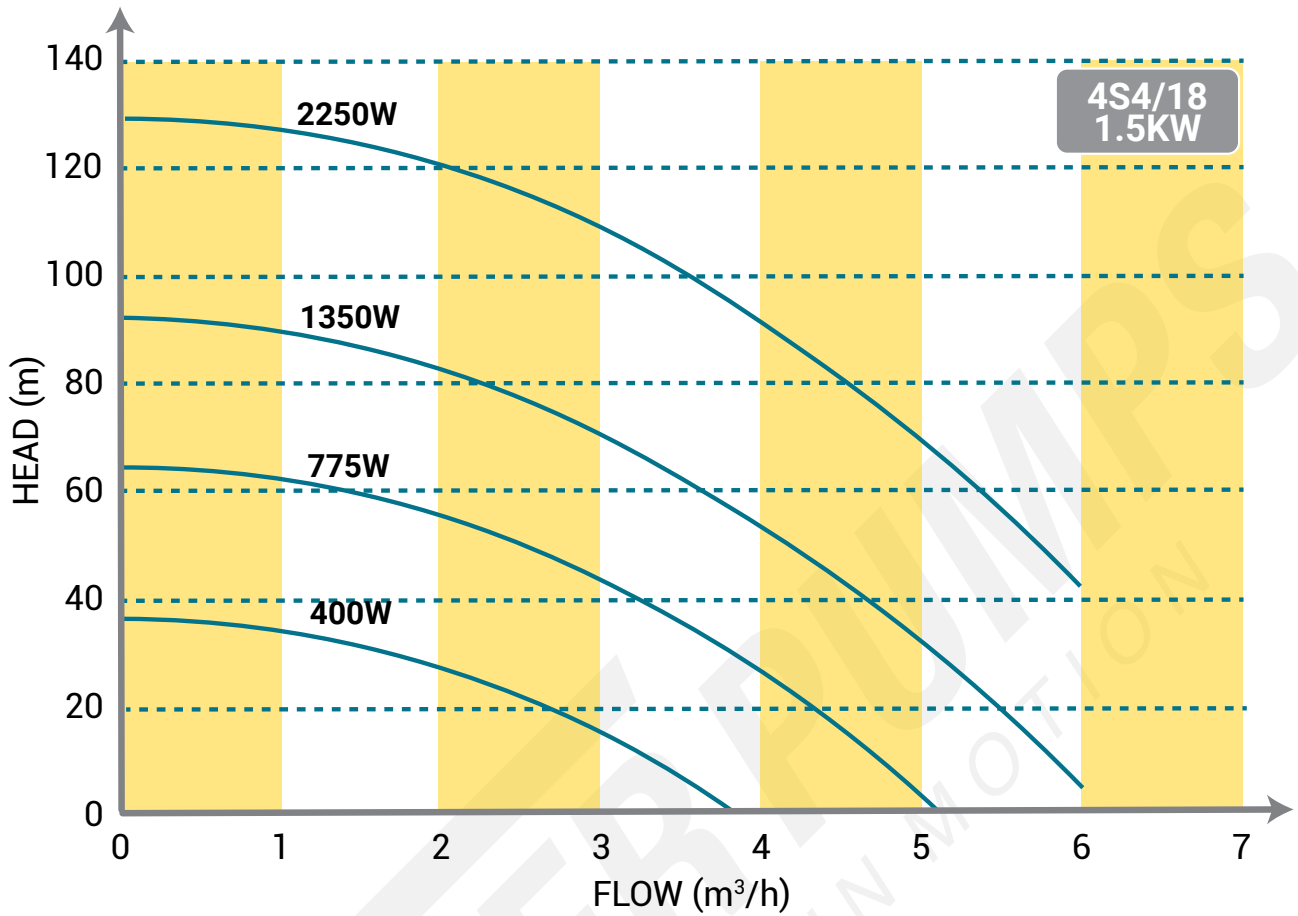
Compatible Wet Ends

4SD4



Compatible Wet Ends

4SD4



Compatible Wet Ends

4SD6

