

SUMBERSIBLE RANGE

WQF



TRACER PUMPS
LEADING IN MOTION

2023 V2

WQF CHEMICAL SLUDGE PUMP

PERFORMANCE RANGE

Maximum Head:	17m
Maximum Flow:	70m ³ /h
Power:	3kW

OPERATING CONDITIONS

Liquid temperature:	up to 60°C
Liquid SG:	1.2kg/l
pH:	2-10
Maximum solids ratio:	10%
Viscosity:	3-6cPs
Maximum immersion depth	5m

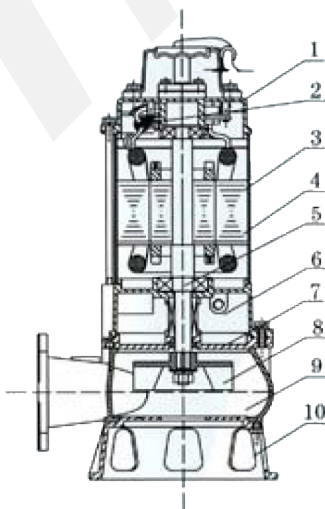
MATERIALS OF CONSTRUCTION

316L Stainless steel pump construction.
316L Stainless steel impeller construction, open type single channel.
Separate cutter plate located on pump inlet.
Double mechanical shaft seal
(silicon carbide-silicon carbide/carbon graphite-ceramic).
Viton Elastomer's (including cable shroud).

MAINTENANCE

Replace oil after 500 hours of operation.
Pressure test at 0.2mPa for 5 minutes.

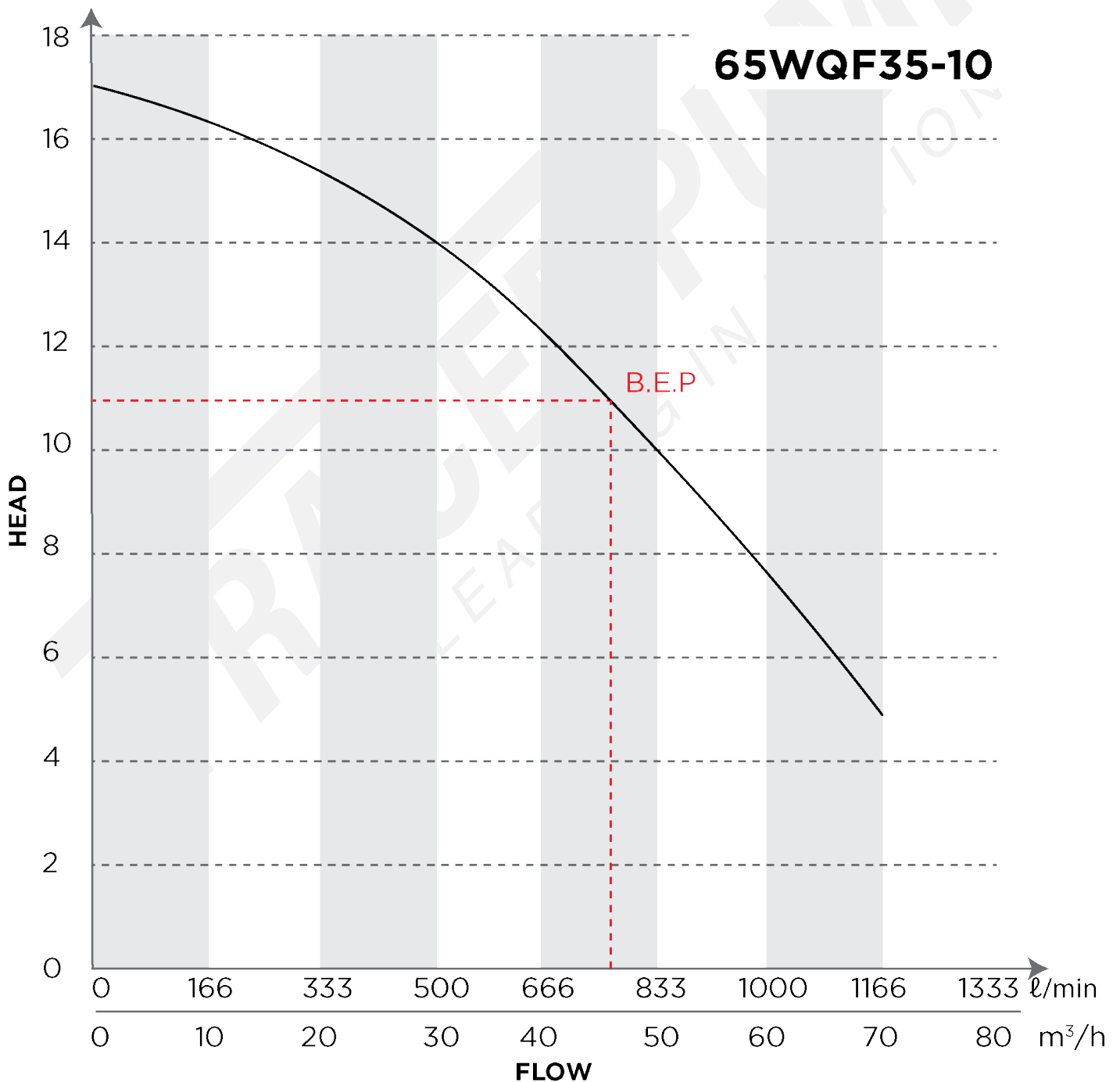
PUMP PARTS



NO.	PART NAME	MATERIAL
1	Cover	Stainless Steel 316L
2	Thermal protector	
3	Pump body	Stainless Steel 316L
4	Motor stator	
5	Rotor	Stainless Steel 316L
6	Oil room	Stainless Steel 316L
7	Impeller cover	Stainless Steel 316L
8	Impeller	Stainless Steel 316L
9	Pump casing	Stainless Steel 316L
10	Pump base	Stainless Steel 316L

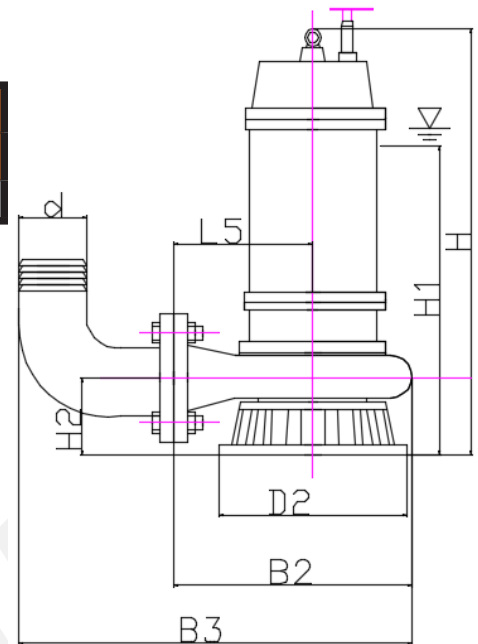
MODEL	MOTOR				PUMP			WEIGHT (kg)
	POWER	VOLTAGE	SPEED	HERTZ	FLOW	HEAD	OUTLET	
	(kW)	(V)	(rpm)	(Hz)	(m ³ /h)	(m)	(mm)	
65WQF35-10-3T3	3	380	2860	50	35	12	65	48
65WQF35-10-3T5	3	525	2860	50	35	12	65	48

PERFORMANCE CURVE



DIMENSIONS

MODEL	H	H1	H2	D2	B2	B3	I5	d
	(mm)							
65WQF35-10-3	520	420	98	225	270	375	158	65



GUIDELINES

1. Ensure that pump has not been damaged during transportation or installation.
2. Check for coolant leakage.
3. Ensure that the impeller rotates normally.
4. Make sure that the power source, voltage and frequency are providing the correct inputs (Voltage 380 & 525 \pm 5%, Frequency 50Hz \pm 1%).
5. Check that the cable, connector box and cable inlet seal are intact and take measurements immediately should any leakage be detected.
6. Do not lift the pump by its cable so as to avoid damaging it.
7. Use a 500V megohm meter to test the resistance of the ground motor windings. If this value is not greater than 2M Ω , there is a leak in the stator's insulation or moisture in the windings. The pump must be assessed and repaired.
8. Do not pump flammable or explosive liquids, or strong chemicals with this pump.
9. Ensure that the pump's rotating direction is counter clockwise when seen from the inlet side. If you find that the pump is rotating in the opposite direction, exchange any two wires in the cable.
10. Once the pump has been operating for a year, it is recommended that it be examined and the oil in the oil chamber, mechanical seal, bearing lubricant and any other necessary parts be replaced. It is not necessary to replace the grease in the enclosed bearings during the pump's service life.
11. Adjust the impeller gap to ensure constant capacity and efficiency should the seal ring (between the impeller and pump housing) become worn.
12. If the pump is idle for several months, it is recommended that it be removed from the water in order to prevent the dampening of its windings and extend its service life.
13. When removing or installing the pump, ensure that it is handled with care.