Barmesa® Pumps

SUBMERSIBLE SEWAGE PUMP W/ CUTTER PLATE

Series: ***Roto-Blade***
(CUT753 & CUT754)
7.5 HP / 1750 RPM
Discharge: 4"

DISCHARGE
4", 125 lb, flange horizontal.

LIQUID TEMPERATURE
104 °F (40 °C) continuous.

VOLUTE
Cast iron ASTM A-48 class 30.

MOTOR HOUSING
Cast iron ASTM A-48 class 30.

IMPELLER
Cast iron ASTM A-48 class 30. Unique tungsten carbide tipped impeller and high chrome serrated cutter plate for slicing of solids.

SUCTION PLATE
Ductile iron.

SHAFT
AISI 410 series stainless steel.

HARDWARE
Stainless steel.

O-RINGS
Buna-N.

PAINT
Air dry enamel, water based.

SEAL
Design: double mechanical, oil lubricated.
Material: silicon carbide outboard, carbon ceramic inboard seal, with stainless steel hardware.

CORD ENTRY
40 ft of neoprene cord STOW, sealed against moisture.

BEARINGS
Ball, single row and oil lubricated.

MOTOR
Three phase, 230 & 460 V, 1750 RPM, 60 Hz. Air-filled watertight, built-in overload, IP68 protection and class B insulation.

ACCESSORIES
Includes discharge elbow.

OPTIONAL EQUIPMENT
Slide rail coupling (QDC-4).

SPECIFICATIONS

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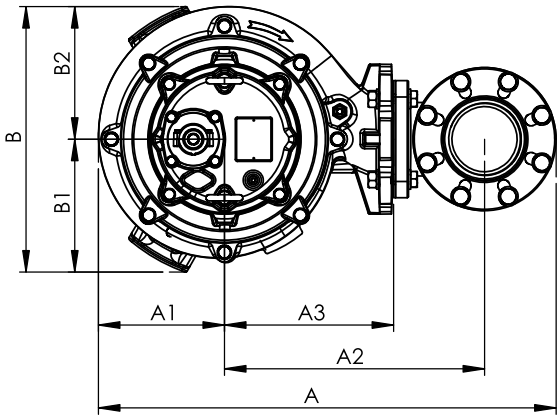

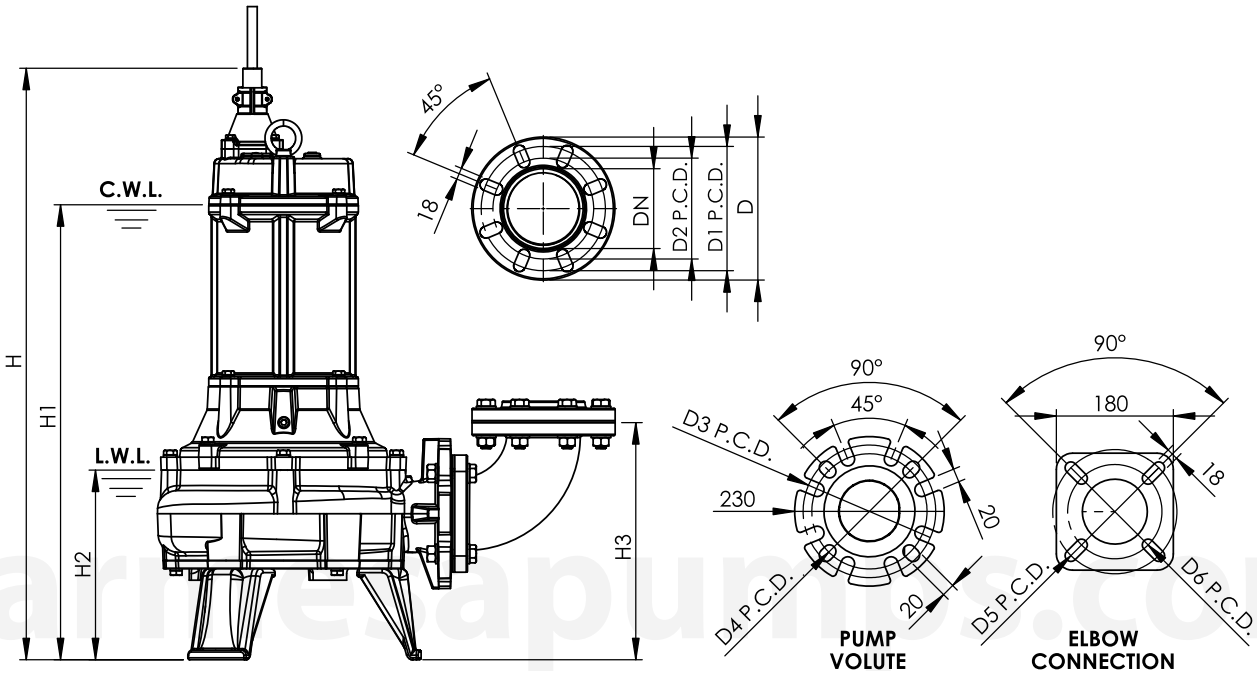

C.W.L.: Continuous Running Water Level
L.W.L.: Lowest Running Water Level
(Most effective motor heat dissipation when fully submerged)

PIPE CONECTION TYPE	
PT	NPT

A	A1	A2	A3	B	B1	B2	DN	D	D1
27.8	7.7	15.8	10.2	16.1	8.1	8.1	4	6.7	7.5

D2	D3	D4	D5	D6	H	H1	H2	H3	WT
6.1	7.5	6.9	8	5.7	35.8	27.6	11.5	14.4	308

- Dimensions in inches.
- Weight in pounds, without the cable.

IMPORTANT!

1. Never use this pump to handle explosive liquids.
2. This pump is not approved to be used in swimming pools, recreational installations or any application where human contact may be common.
3. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.

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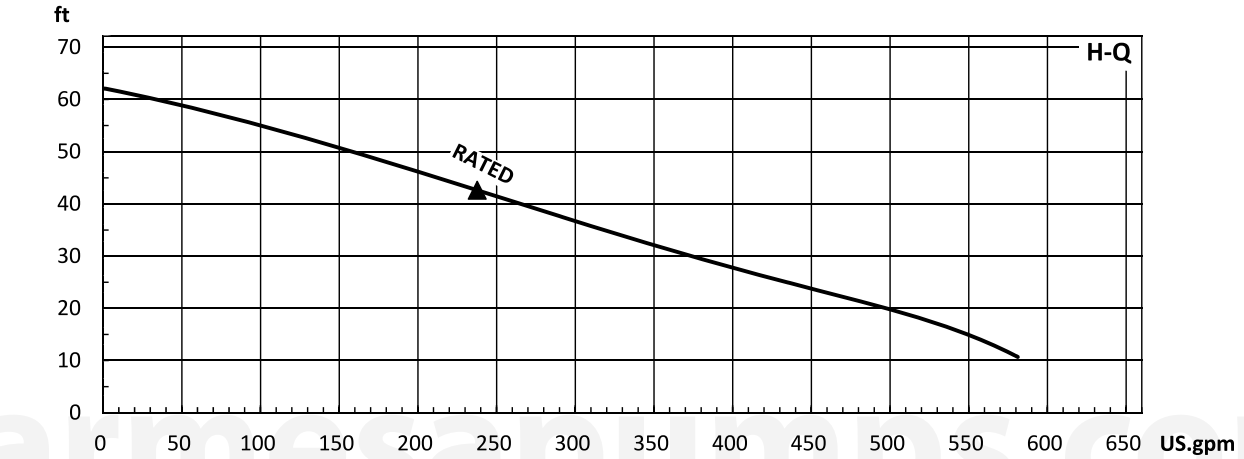
Barmesa® Pumps

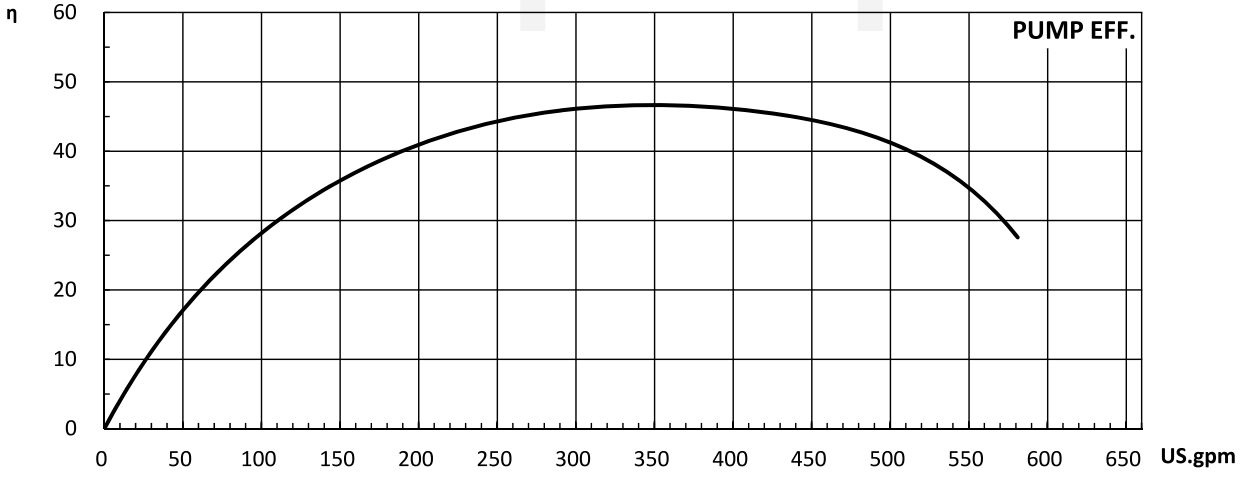
PERFORMANCE CURVE

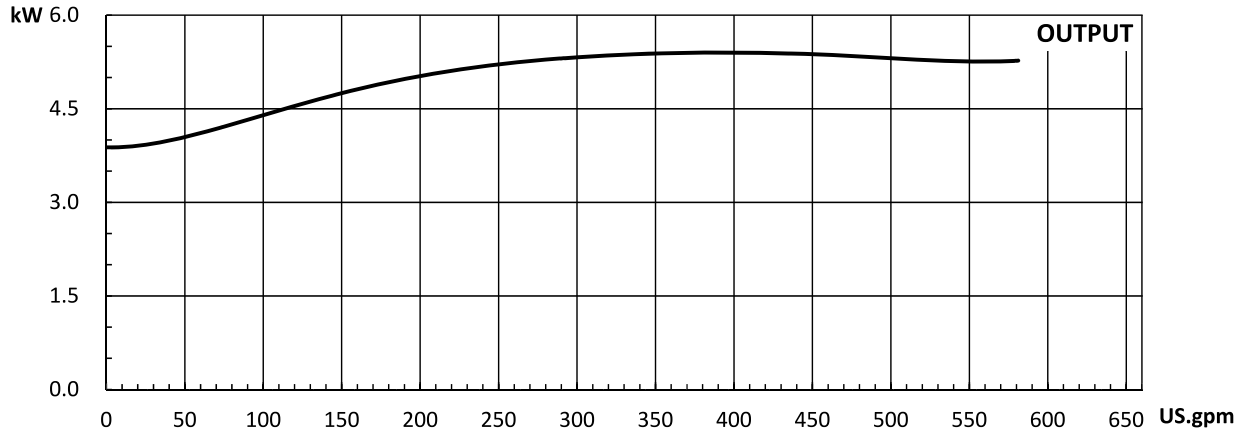
Submersible Sewage Pump with Cutter Plate

Series: ***Roto-Blade***

MODEL	CUT753 / CUT754										RATED	
FREQUENCY	60 Hz									HEAD	42.6 ft	13 m
DISCHARGE	4 INCHES / 100 mm									CAPACITY	235 GPM	900 LPM
OUTPUT	7.5 HP / 5.5 kW									POLE / RPM	4 P / 1750 RPM	
PHASE/VOLTAGE	3Ø	208 V	220 V	230 V	380 V	400 V	440 V	460 V	575 V	START METHOD	DIRECT ON LINE	
F.L.A.	A	21.5	21	20	10.6	10.4	10.2	10	9.5	INSULATION CLASS	CLASS B	







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