

## BLAZEMASTER SERIES

### YANMAR ENGINE DRIVE PUMPS

#### SINGLE & TWIN IMPELLER PUMPS



BM70Y



#### FEATURES

Lightweight high grade corrosion resistant materials.

Large pump casing with raised suction port and inbuilt non-return valve for better priming capabilities.

Computational Fluid Dynamics designed hydraulic components for higher performance and efficiency.

Strong and durable construction.

Max. head - 102m.

Max. flow - 590lpm.

#### APPLICATIONS

- Fire fighting.
- Tank filling.
- Water transfer.
- Irrigation and spraying.

#### PUMP INFORMATION

Horizontal, single-stage or twin-stage, surface mounted centrifugal pump with closed impeller/s for pumping debris free water coupled to a Yanmar 4.7HP (L48N), 6.7HP (L70N) or 10HP (L100N) engine.

#### OPERATING CONDITIONS

Suitable for pumping clean non-aggressive liquids without solids or fibres in suspension.

Fluid:	Water.*
Maximum water temperature:	55°C.
Minimum water temperature:	1°C.
Maximum ambient temperature:	40°C.**
Maximum casing pressure:	1300kPa.

\*For liquids outside of this range please consult your local Onga office for product suitability.  
Viton seal kit available as replacement service part.

\*\*Engine performance greatly reduced with increased ambient temperature and/or altitude, clarify with Engine Manufacturer.

## ENGINE DATA

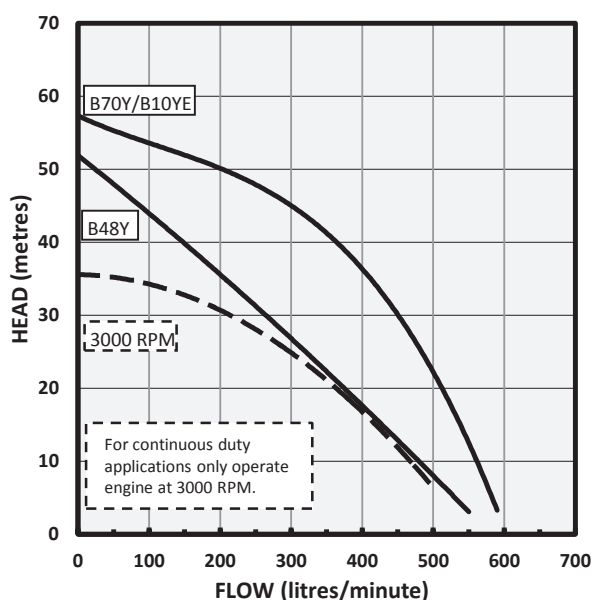
Type	Engine	Model	Nominal HP	Displacement	Continuous duty	Fuel tank capacity	Fuel	Recommended oil type	Oil capacity
<b>B48Y</b>	Yanmar	L48N	4.7	0.219 litres	3000 RPM	1.9 litres	Diesel	Refer to manual	0.8 litres
<b>B70Y</b>	Yanmar	L70N	6.7	0.320 litres	3000 RPM	2.7 litres	Diesel	Refer to manual	1.05 litres
<b>B10YE</b>	Yanmar	L100N	10	0.435 litres	3000 RPM	4.7 litres	Diesel	Refer to manual	1.6 litres
<b>BM70Y</b>	Yanmar	L70N	6.7	0.320 litres	3000 RPM	2.7 litres	Diesel	Refer to manual	1.05 litres
<b>BM10YE</b>	Yanmar	L100N	10	0.435 litres	3000 RPM	4.7 litres	Diesel	Refer to manual	1.6 litres

## PERFORMANCE

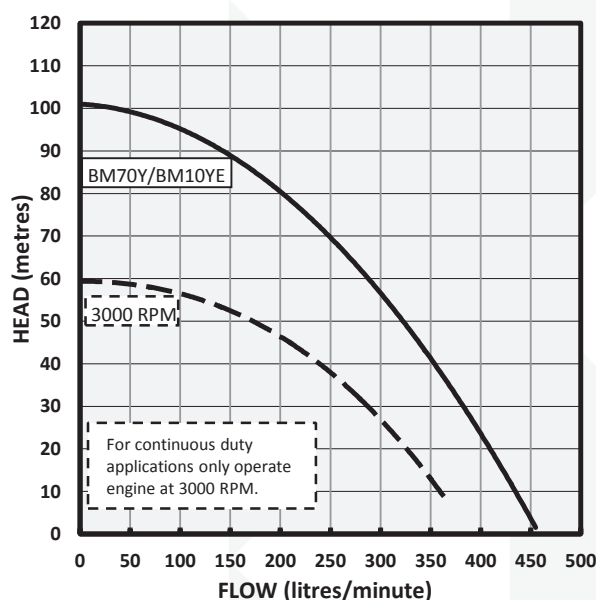
Type	P/No	Delivery head H [m]	10	20	30	40	50	60	70	80	90	100
<b>B48Y</b>	<b>B48Y</b>	Capacity [litres per minute]	480	371	265	145	27	-	-	-	-	-
<b>B70Y</b>	<b>B70Y</b>		561	512	452	365	206	-	-	-	-	-
<b>B10YE</b>	<b>B10YE</b>		561	512	452	365	206	-	-	-	-	-
<b>BM70Y</b>	<b>BM70Y</b>		434	410	382	353	322	288	247	203	144	38
<b>BM10YE</b>	<b>BM10YE</b>		434	410	382	353	322	288	247	203	144	38

## PERFORMANCE CURVE

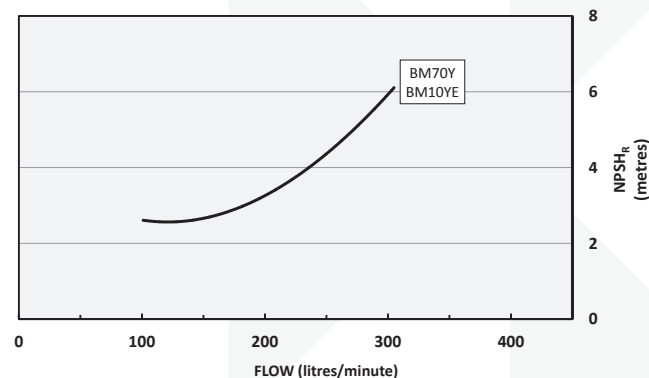
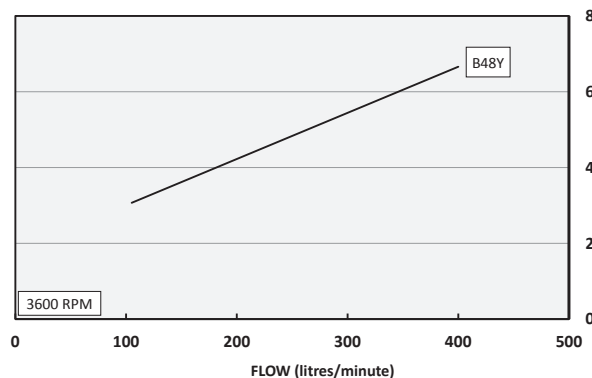
Single impeller



Twin impeller



## NPSHR



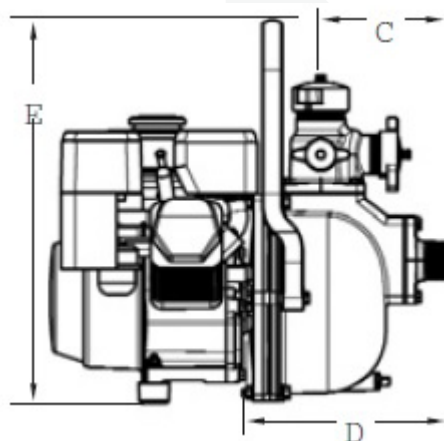
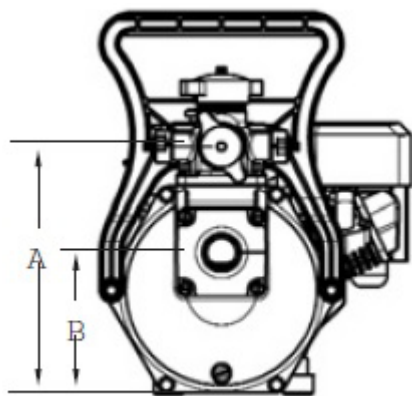
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## PUMP CONSTRUCTION MATERIALS

Component	Material
Pump casing	Powder coated Aluminium
Impeller/s	30% Glass Filled Nylon
Diffuser	Aluminium
Priming/discharge caps	Glass Filled Nylon
Seal flexible bellows	Nitrile
Seal stationary face	Ceramic
Seal rotating face	Carbon
Seal spring	Stainless Steel
Motor shaft	Mild Steel
O'Rings	Nitrile

## DIMENSIONS

Type	Weight approx.	Inlet	Outlets	Carton L x W x H	Packed weight
<b>B48Y</b>	31.2kg	1½" BSP (male)	1", 1", 1½" BSP (male)	620 x 460 x 560 mm	39 kg
<b>B70Y</b>	38.2kg	2" BSP (male)	1", 1", 2" BSP (male)	-	-
<b>B70YE</b>	45.2kg	2" BSP (male)	1", 1", 2" BSP (male)	-	-
<b>B10YE</b>	60.2kg	2" BSP (male)	1", 1", 2" BSP (male)	-	-
<b>BM70Y</b>	41.1kg	2" BSP (male)	1", 1", 2" BSP (male)	-	-
<b>BM70YE</b>	46.1kg	2" BSP (male)	1", 1", 2" BSP (male)	-	-
<b>BM10YE</b>	61.1kg	2" BSP (male)	1", 1", 2" BSP (male)	640 x 560 x 560 mm	74 kg



Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
<b>B48Y</b>	320	185	166	271	480
<b>B70Y</b>	327	193	166	271	495
<b>B70YE</b>	327	193	166	271	495
<b>BM70Y</b>	327	193	166	271	495
<b>BM70YE</b>	327	193	166	271	495
<b>BM10YE</b>	337	203	166	271	505



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