

# BLAZE - BLAZEMASTER

## SINGLE AND TWIN IMPELLER ENGINE DRIVEN PUMPS

The Onga engine driven pumps are particularly suitable where electrical power is not readily available and when a large quantity of water and pressure is required.

- HONDA ENGINE
- HIGH EFFICIENCY AND PERFORMANCE
- HIGH FLOW RATE AND PRESSURE
- HIGH PRIMING CAPACITY
- ADAPTABILITY TO PIPE CONFIGURATIONS

### Applications

- Fire Fighting
- Tank filling
- Water transfer
- Hydrants
- Irrigation

### Usage limitations

- Maximum operating pressure: 13 bar
- Water temperature range: 5° C – 40° C
- Free clearance of solids:
  - 3 mm (twin impellers)
  - 5 mm (single impeller)
- Environment temperature:
  - Max. 40° C

BY **onga**®



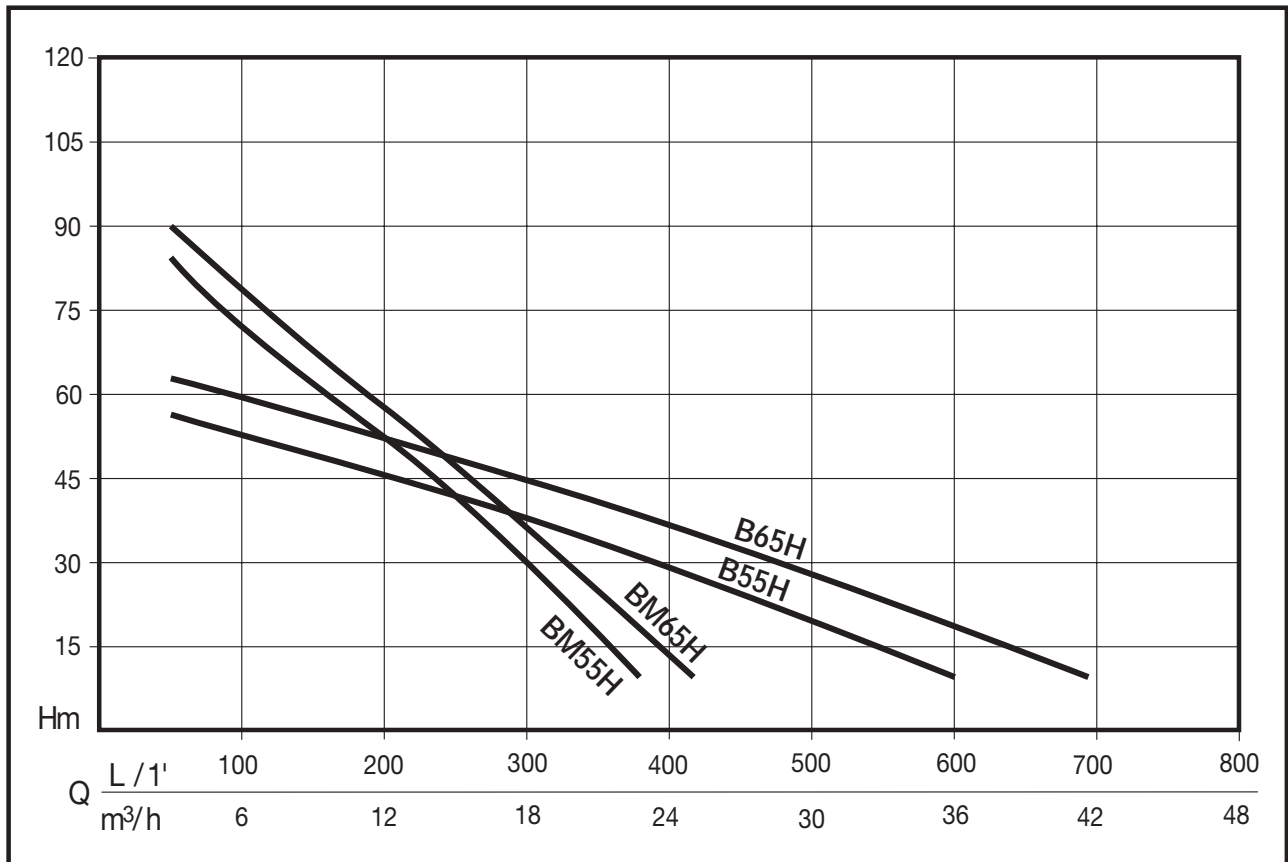
### MOTOR

	BLAZE	BLAZEMASTER
MOTOR	- Air cooled 4 stroke OHV petrol engine, 25° inclined cylinder, horizontal shaft.	
Cylinder type	Cast iron cylinder	
Bore stroke	68 x 45 mm	68 x 54 mm
Displacement	168 cm <sup>3</sup>	196 cm <sup>3</sup>
Max. power output	4,0 Kw (5,5 CV) / 3600 rpm	4,8 Kw (6,5 CV) / 3600 rpm
Starting system	Recoil	
Fuel tank capacity	3,6 lt	
Specific fuel consumption	313 g/kWh - 230 g/CVh	
Fuel type	lead-free petrol	

### DESIGN FEATURES

Component	Material
- Pump casing	Aluminium
- Impeller	Nylon
- Mechanical seal	Ceramic
- Counterface	Graphite
- Shaft	Mild steel
- Diffusers	Aluminium
- O'ring	NBR

TABLE OF HYDRAULIC PERFORMANCE



PUMP PERFORMANCE

CODE	MODEL	Power		HONDA MOTOR	Q	Discharge head in meters													
		HP	kW			0	50	100	200	300	400	500	600	700					
B55HEU	BLAZE 5.5 HP 5/8in EU	5,5	4	GX 160	L/1' m³/h	0	3	6	12	18	24	30	36	42					
B65HEU	BLAZE 6.5 HP 5/8in EU	6,5	4,8	GX 200		61	55,5	50	47	37	30	20	12						
BM55HEU	BLAZEMASTER 5.5 HP 5/8in EU	5,5	4	GX 160		65	62,5	60	52	45	37	28	20	9,8					
BM65HEU	BLAZEMASTER 6.5 HP 5/8in EU	6,5	4,8	GX 200		101	85	72	50	29	2								
						101,5	91	79	58	35	15								

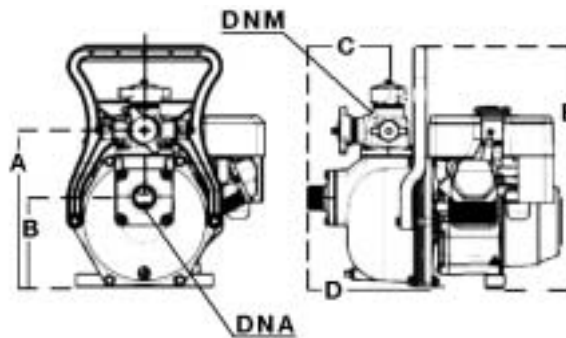


TABLE OF SIZES AND WEIGHTS

Model	Dimensions mm.							Weight
	A	B	C	D	E	DNA	4- DNM	kg
BLAZE 5.5 HP 5/8in EU	312	178	163	253	480	1" 1/2	1" - 1" - 1"1/2 - 1"1/2	22,2
BLAZE 6.5 HP 5/8in EU	312	178	166	253	480	1" 1/2	1" - 1" - 1"1/2 - 1"1/2	23,2
BLAZEMASTER 5.5 HP 5/8in EU	312	178	178	253	480	2"	1" - 1" - 2" - 2"	22,9
BLAZEMASTER 6.5 HP 5/8in EU	312	178	166	253	480	2"	1" - 1" - 2" - 2"	23,9