

# PRODUCT DATA SHEET

DAB-DP151MP • 701509

## PRODUCT DETAILS

The DAB DP151MP pump is a rugged cast iron, twin impeller, self-priming, surface mounted jet pump. By using a separately supplied injector kit the pump can achieve a suction capability of up to 27m

## APPLICATIONS

- Situations where self priming operation is necessary
- Supplying water to domestic installations
- Ideal for use in small-scale agriculture or horticulture
- Pressure boosting, irrigation, wash down or other limited industrial services
- Designed for pumping from tanks, rivers and dams where air bubbles or small particles of sand are present
- Lateral Offset pumping

## FEATURES

- Self priming centrifugal pump with excellent suction capability
- 240V single phase TEFC motor with in-built auto reset thermal overload to prevent pump from damage
- Pressure switch with adjustable differential
- Pressure gauge
- Drive pipe 1" G Suction pipe 1 1/4" G

To protect the pump from excessive cycling and to isolate from the effects of water hammer, adding a pressure tank to the system is highly recommended



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## TECHNICAL DATA

<b>RATED POWER (P2)</b>	1.1kW (1.5hp)
<b>MAX. FLOW [LPM]</b>	58 LPM
<b>MAX. HEAD [M]</b>	60m
<b>MAX. PRESSURE RATING</b>	8 bar
<b>FLUID TEMP RANGE</b>	0 - 35 deg C
<b>MAX. AMBIENT TEMP</b>	40 deg C
<b>PUMP BODY</b>	GJL 200 Cast Iron
<b>IMPELLER</b>	Glass reinforced Noryl
<b>JET, VENTURI, DIFFUSER</b>	Glass reinforced Noryl
<b>MECHANICAL SEAL</b>	Carbon Ceramic Nitrile
<b>O RINGS</b>	Nitrile

<b>RATED VOLTAGE (V)</b>	1~ 220 - 240V 50 hz
<b>RATED CURRENT (A)</b>	7.0A
<b>RATED SPEED (RPM)</b>	2800 - 2 pole
<b>IP RATING</b>	I.P. 44
<b>SUCTION CONNECTION</b>	1 1/4" G (BSP)
<b>DISCHARGE CONNECTION</b>	1" G (BSP)
<b>AUTOMATIC OPERATION</b>	Yes via adjustable pressure switch
<b>MOTOR PROTECTION</b>	Auto re-setting thermal overload
<b>CAPACITOR</b>	31.5uF 450V +/- 5%
<b>CARTON DIMENSIONS</b>	427mm L x 248mm W x 307mm H
<b>GROSS WEIGHT (KG)</b>	28.5kg

## PERFORMANCE

HYDRAULIC DATA (n ≈ 2800 1/min.)															
TYPE PUMP	TYPE EJECTOR	DEEP SUCTION	Discharge pressure in bar												
			3	3.5	4	4.5	5	5.5	6	6.5	7				
Capacity table in l/h															
DP 151 M - T	E 20	9	3470	2890	2220	1500	750	-	-	-	-	-	-	-	-
		12	3110	2510	1850	1100	300	-	-	-	-	-	-	-	-
		15	2710	2100	1380	640	-	-	-	-	-	-	-	-	-
		18	2360	1700	950	-	-	-	-	-	-	-	-	-	-
	E 25	15	2800	2330	1830	1350	900	520	-	-	-	-	-	-	-
		18	2530	2050	1550	1090	680	300	-	-	-	-	-	-	-
		21	2280	1800	1300	860	470	-	-	-	-	-	-	-	-
	E 30	21	1820	1650	1410	1160	910	700	520	-	-	-	-	-	-
		24	1680	1520	1260	1020	780	580	420	-	-	-	-	-	-
		27	1550	1360	1110	880	680	490	330	-	-	-	-	-	-

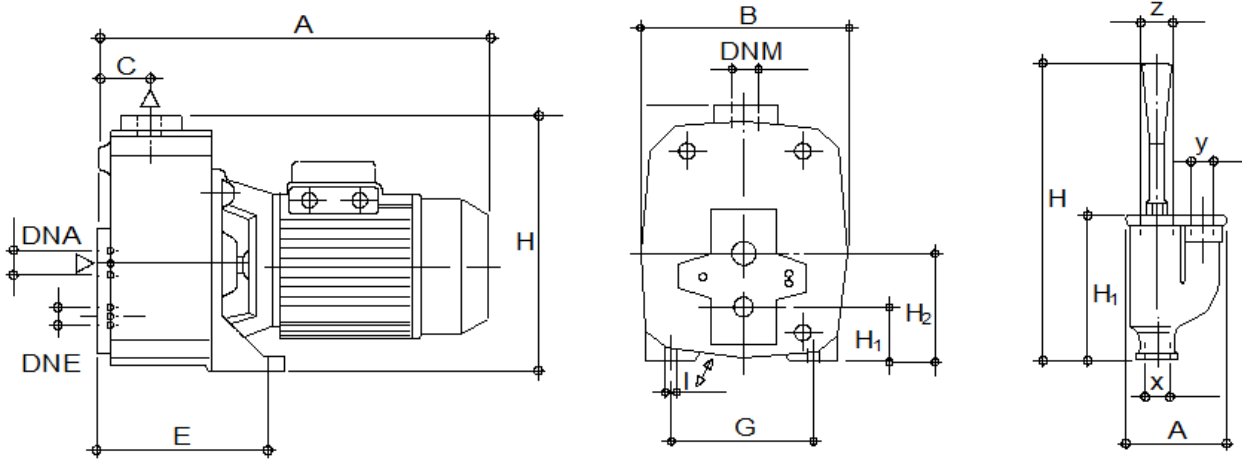
Calculating offset application suction side friction losses:

In offset applications friction losses in pipework between the water source and the pump need to be added to the depth to water to provide an 'apparent depth to water' value.

Add 6% of the suction side distance to the depth of water value and use the combined value to select the correct injector

As a general suggestion use 50mm suction and 40mm pressure 'drive' pipe sizes

## DIMENSIONS



MODEL	A	B	C	DNA GAS	DNE GAS	DNM GAS	E	G	H	H1	H2	I ∅	x	y	z
DAB-DP151MP	388	210	50	1" ¼	1"	1"	197	145	255	53	108	11	1"G	1"G	1"¼ G

## WARRANTY / CERTIFICATIONS

