

JAP Series Deep Well

The Davies Pumps JAP series are a self-priming deep well style pump with separate jet & venturi assembly to allow operation when water source is up to 50m below the pump or a long distance away. Ideal for pumping from water sources such as bores, well or rivers with flood risk or remote power supplies. They use a rugged cast iron casing close coupled to air cooled electric motor for simple installation and a long service life. The 1.0 hp model has a single impeller design for a cost effective solution best suited to tank filling and the larger models use twin impellers to allow higher pressures and flows.

Pump Features

- Separate Deep Well Jet and Venturi Housing
- Cast Iron Housings
- Robust and reliable
- Suction depths of more than 8m
- Maximum liquid temperature 60 degrees



JAP SERIES

DAVIES JB SERIES					
Model	HP	KW (P2)	Volts	Phase	Amps
JAP102M	1.0	0.74	230	1	4.1
JAP151M	1.5	1.1	230	1	7.9
JAP151T	1.5	1.1	400	3	3.5
JAP201M	2.0	1.5	230	1	10.3

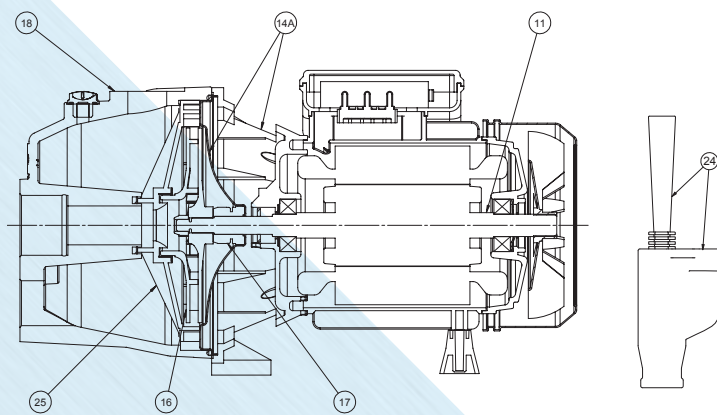
Construction Material:

- Pump body: Cast iron G20 with anti-corrosive coating.
- Motor bracket: In die casting aluminium UNI 5076 and stainless steel Aisi 304 (cast iron for Jap 150-200).
- Ejector: Cast iron G20 with anti-corrosive coating.
- Diffuser, Nozzle & Venturi tube: GE Noryl® GFN2.
- Impellers, GE Noryl GFNZ (stamped brass UNI-EN 12165 standard for model 151-201).
- Pump shaft: Stainless steel Aisi 420A.
- Mechanical seal: Carbon-ceramic.

Installation:

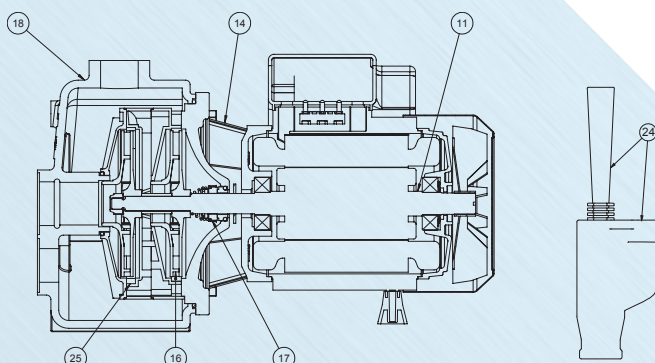
- Before installing the pump, verify that all the pipes are clean inside to avoid any obstruction in the ejector nozzle.
- A foot valve must be installed at the foot of the ejector.
- After the pump is installed, fill pipes with clean water.
- To preserve an efficient priming a specific pressure in the circuit is necessary – a gate valve on the discharge can achieve this.
- Note: Minimum pump operating heads must be observed.

Single impeller 1.0hp model



- 11. Pump shaft + rotor
- 14A. Motor bracket kit
- 16. Impeller
- 17. Mechanical seal
- 18. Pump body
- 24. Complete ejector
- 25. Diffuser

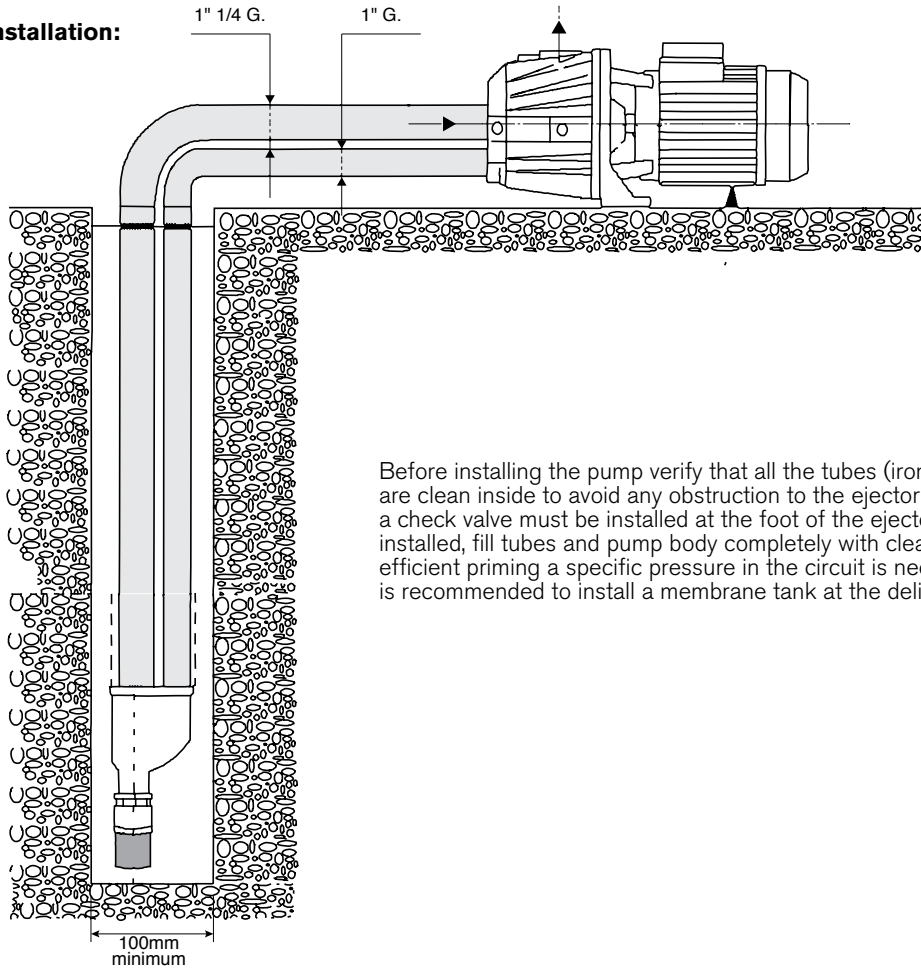
Twin impeller 1.5hp and 2.0hp models



- 11. Pump shaft + rotor
- 14. Outlet bracket
- 16. Impeller
- 17. Mechanical seal
- 18. Pump body
- 24. Complete ejector
- 25. Diffuser

INSTALLATION & PERFORMANCE

Installation:



Before installing the pump verify that all the tubes (iron, plastic or rubber) are clean inside to avoid any obstruction to the ejector nozzle. A foot valve or a check valve must be installed at the foot of the ejector. After the pump is installed, fill tubes and pump body completely with clean water. To preserve an efficient priming a specific pressure in the circuit is necessary, therefore it is recommended to install a membrane tank at the delivery of the pump.

Performance:

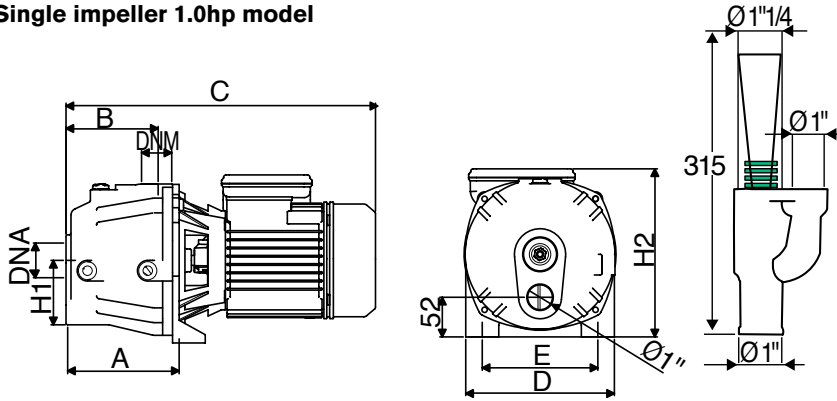
TYPE		Nominal power		Input power [W]		Capacitor 450 V max	Input current [A]			Ejector	Suction depth [m]	Capacity																					
Single-phase	Three-phase	kW	HP	a	b	[µF]	1-230V	3-230V	3-400V			Q [m ³ /h]	0.18	0.36	0.6	0.9	1.2	1.5	1.8	2.1	3	6	9										
a	b											Q [l/s]	3	6	10	15	20	25	30	35	50	60	Total head (m W.C.)										
JAP 102 M	JAP 102 T	0.74	1	930	970	16	4.1	3.1	1.8	E20	15	31	28	25	22	19	17	15															
											20	28	25	22	15																		
											25	30	27	18	8																		
											30	28	20	13																			
											35	40	38	36	31	28	24	20															
JAP 151 M	JAP 151 T	1.1	1.5	1800	1910	30	7.9	6.1	3.5	E20	15	38	36	32	26	21	17																
											20			40	32	15																	
											25			38	30																		
											35			33	20																		
											50																40	37	32	25	17		
JAP 201 M	JAP 201 T	1.47	2	2340	2100	40	10.3	6.6	3.8	E20	15																						
											20			52	41	20																	
											25			43	30																		
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											50																		43	35	23		
																			40	31	24	17											

a) - Monofase 230 V

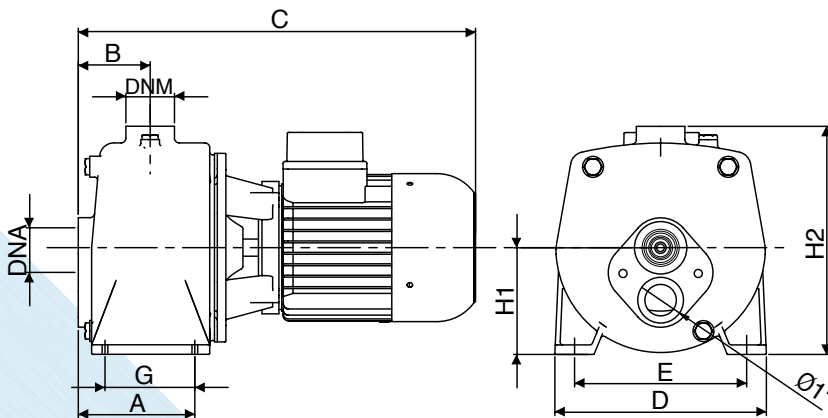
b) - Trifase 230/400 V

DIMENSIONS

Single impeller 1.0hp model



Twin impeller 1.5hp and 2.0hp models



DIMENSIONS AND SPECIFICATIONS

Model	A	B	C	D	E	G	H1	H2	DNA	DNM	Hg
JAP 101	160	85	370	180	140	-	100	188	1 ¹ / ₄ "	1"	14.3
JAP 151	125	74	415	226	174	104	120	248	1 ¹ / ₄ "	1"	27.3
JAP 201	125	74	415	226	174	104	120	248	1 ¹ / ₄ "	1"	28.9

For your nearest dealer please contact Argon Distributors: 0508 634 341