

DAVIS

4" submersible pump with peripheral impeller

-  Clean water
-  Domestic use
-  Agricultural use



PERFORMANCE RANGE

- Flow rate up to **50 l/min** (3.0 m³/h)
- Head up to **75 m**

INSTALLATION AND USE

Ready-to-install cost-effective submersible pump, equipped with an integrated capacitor and thermal over-load protector.

Designed to transfer clean water free from abrasive particles and liquids that will not damage the pump's components.

Compact and cost-effective, it is suitable for domestic applications. It works seamlessly with small-sized pressure tanks, offering an ideal setup for all irrigation requirements.

APPLICATION LIMITS

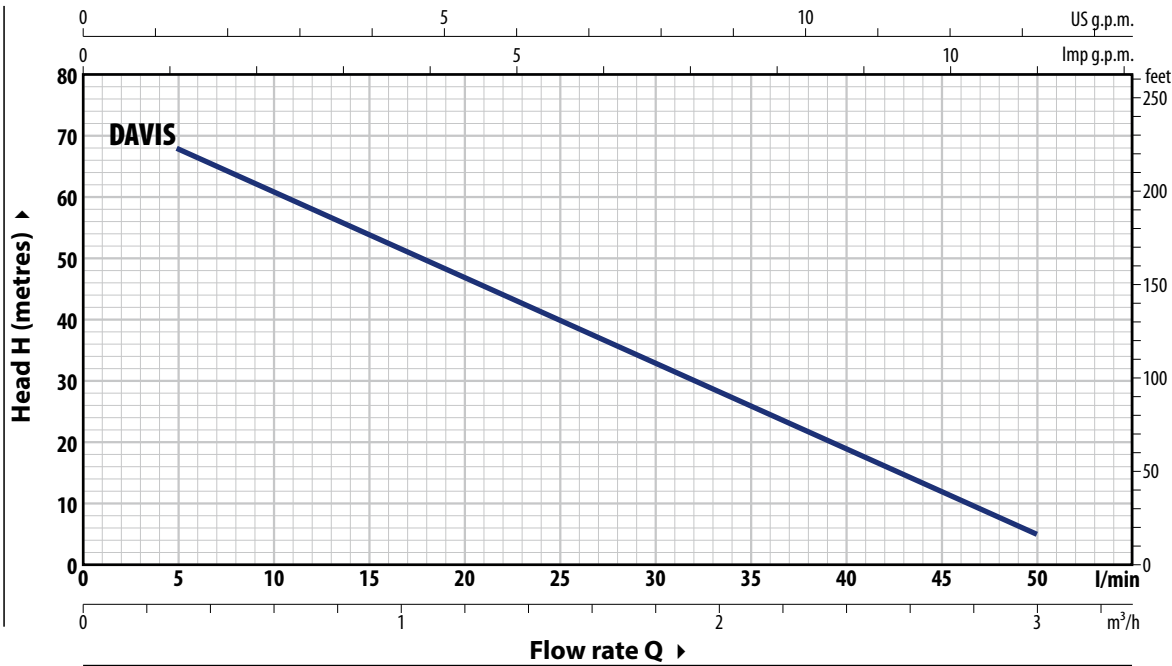
- Liquid temperature up to **+40 °C**
- Depth of use up to **40 m** below water level (with an appropriately sized power cable)
- Vertical and horizontal operation

AVAILABLE UPON REQUEST

- ✂ **30 metres** long power cable
- ✂ Different voltage requirements 60 Hz frequency

CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz



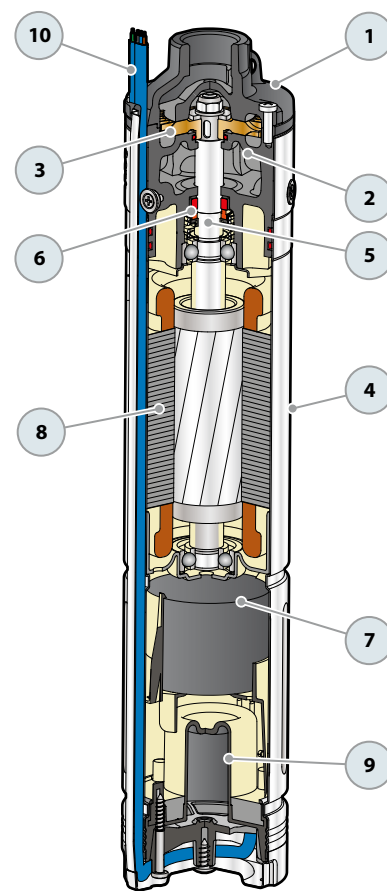
TYPE	POWER (P ₂)		Q											
	kW	HP		m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0
Single-phase				l/min	0	5	10	15	20	25	30	35	40	50
DAVIS®	0.75	1	H metres		75	68	61	54	47	40	33	26	19	5

Q = Flow rate H = Total manometric head

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

MATERIALS AND COMPONENTS

1	Delivery port	Cast iron with cathaphoresis treatment with ISO 228/1 threaded port	
2	Sealing cover	Cast iron with cathaphoresis treatment	
3	Impeller	Brass, radial peripheral vane type	
4	Motor sleeve	Stainless steel AISI 304	
5	Motor shaft	Stainless steel AISI 431	
6	Mechanical seal		
	Type	Shaft	Materials
	ST4-16	Ø 16 mm	Ceramic / Graphite / NBR
7	Capacitor		
8	Electric motor	– Specifically sized, rewindable motor in oil bath (non-toxic, food-safe oil), designed for continuous running duty – Single-phase 220 - 60 Hz – Built-in motor capacitor – Thermal motor protection incorporated in the winding – Continuous running duty S1 – Insulation: Class F – Protection rating: IP X8	
9	Compensating diaphragm		
10	※ Power cord	➡ DRINCABLE® HRC certified for use with drinking water meant for human consumption by the ACS according to XP P 41-250, approval no. 18 MAT NY 156 Standard length 20 metres	



ABSORPTION

TYPE	VOLTAGE	
Single-phase	220 V	110 V
DAVIS®	8.0 A	16.0 A

DIMENSIONS AND WEIGHT

TYPE	PORT	DIMENSIONS mm		kg
Single-phase	DN	Ø	h	
DAVIS®	1"	101	500	13.6

PALLET CAPACITY

TYPE	GROUPAGE	CONTAINER
Single-phase	n. pumps	n. pumps
DAVIS®	60	60

