FUTURE JET·ST®

The self-priming pump of the future!

Clean water

Domestic use

Civil use

※ **Reduction of energy consumption by up to 50%**

From an evolution of the classic JET pump concept, a SUPER JET was born.

※ **Stainless steel pump body and impeller**

※ **Better consumption/performance ratio**

※ **High hydraulic efficiency**

※ **Noise reduction**

PERFORMANCE RANGE

- Flow rate up to **120 l/min** (7.2 m³/h)
- Head up to **59 m**

FUTURE JET-ST

Developed by our innovative research and development team, this pump revolutionizes the classic self-priming design.
With an international registered patent, the **FUTURE JET-ST** not only matches the pressure of a traditional JET pump, it surpasses it. Moreover, it doubles the flow rate while reducing energy consumption by up to 50%.

INSTALLATION AND USE

FUTURE JET-ST self-priming pumps are designed to draw water and liquids that contain air.

They are reliable and easy to operate. They are a favorite for domestic use, particularly effective for water distribution with small to medium-sized pressure tanks and suitable for irrigation.

APPLICATION LIMITS

- Manometric suction head up to **9 m** (HS)
- Liquid temperature between **-10 °C** and **+40 °C**
- Ambient temperature up to **+40 °C**
- Maximum working pressure **6 bar**

AVAILABLE UPON REQUEST

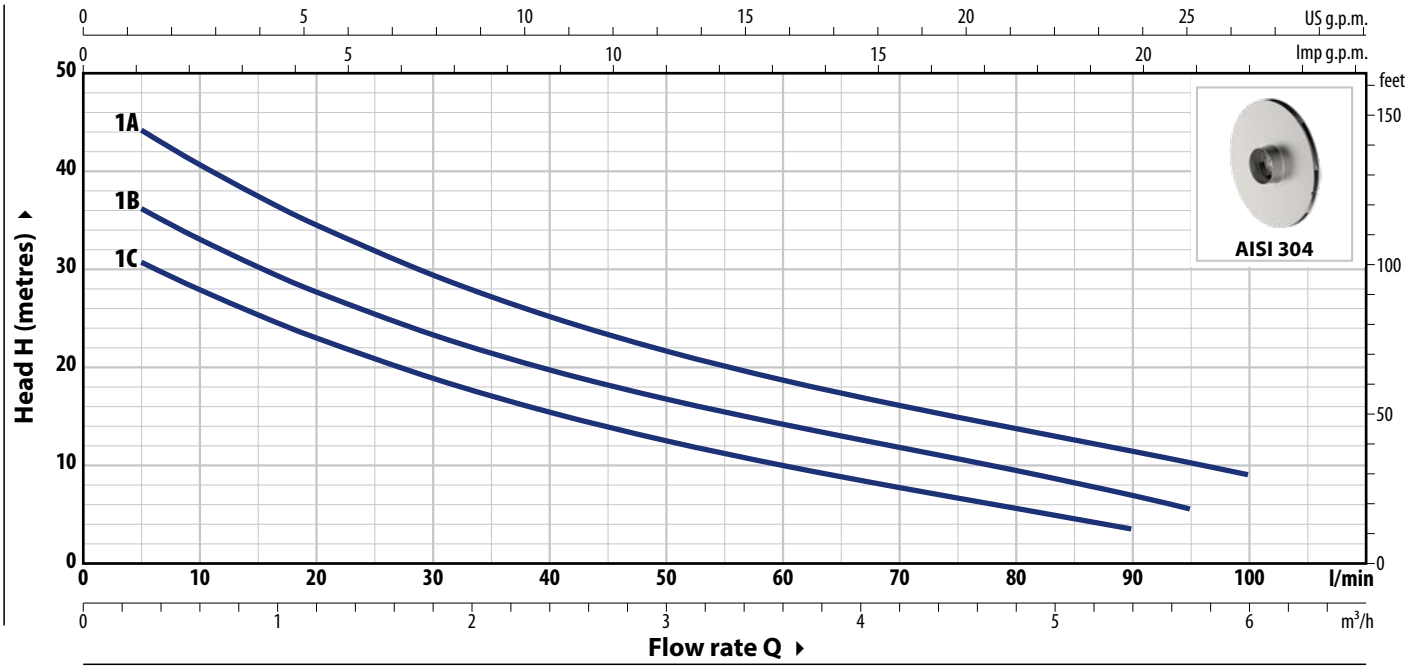
※ Technopolymer impeller (cost-effective version)
※ Different voltage requirements 60 Hz frequency

PATENTS - TRADE MARKS - MODELS

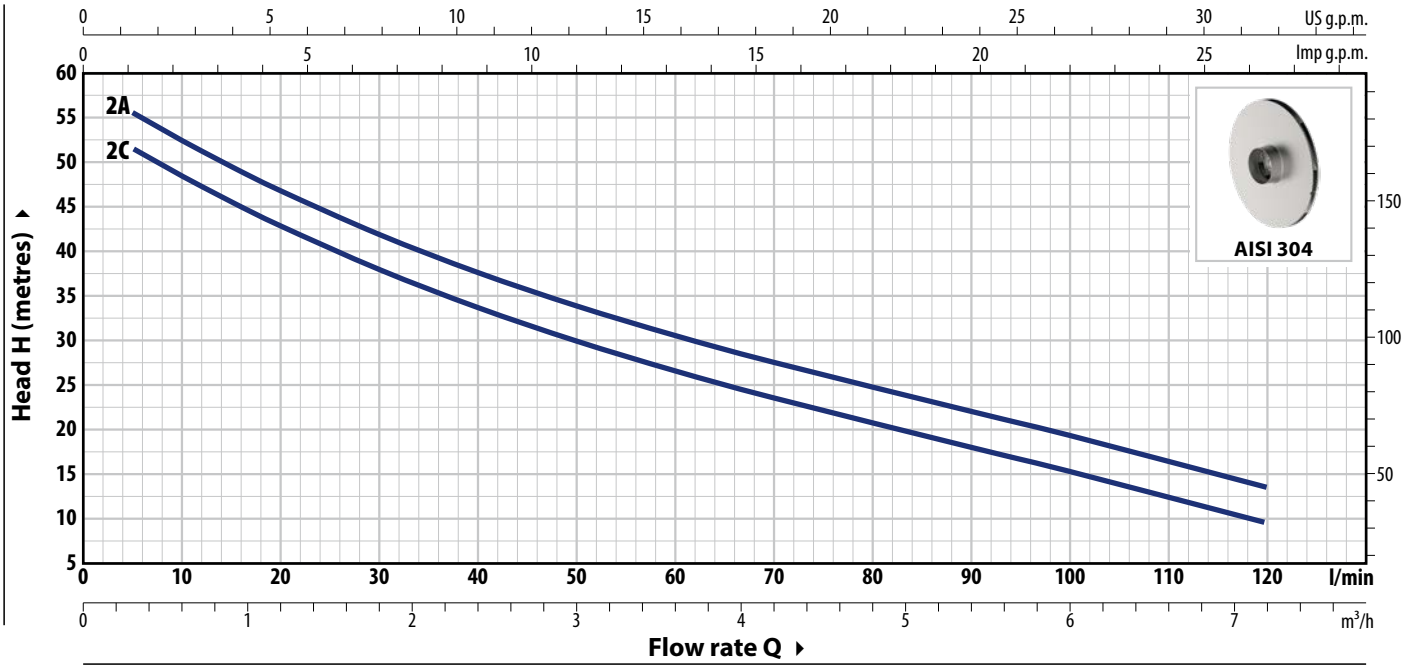
- FUTURE JET® Registered Trade mark No. 018198453
- European Patent No. 1 510 696
- Patent No. PCT/IT2019/050168

CURVES AND PERFORMANCE DATA – HS=0 m

50 Hz



TYPE		POWER (P2)				Q	m³/h	0	0.3	0.6	1.2	2.4	3.6	4.8	5.4	5.7	6.0
Single-phase	**Three-phase**	**kW**	**HP**	**1~**	**3~**		l/min	**0**	**5**	**10**	**20**	**40**	**60**	**80**	**90**	**95**	**100**
FUTURE JETm 1C-ST	**FUTURE JET 1C-ST**	0.37	0.50					33.5	30.5	28	23	15.4	10	6	3.5		
FUTURE JETm 1B-ST	**FUTURE JET 1B-ST**	0.48	0.65	**IE2**	**IE3**	**H**	metres	40	36	33	27.6	19.7	14.2	9.5	7	5.5	
FUTURE JETm 1A-ST	**FUTURE JET 1A-ST**	0.55	0.75					48	44	40.6	34.5	25.2	18.7	13.7	11.4	10.2	9



TYPE		POWER (P2)				Q	m³/h	0	0.3	0.6	1.2	2.4	3.6	4.8	5.4	5.7	6.0	7.2
Single-phase	**Three-phase**	**kW**	**HP**	**1~**	**3~**		l/min	**0**	**5**	**10**	**20**	**40**	**60**	**80**	**90**	**95**	**100**	**120**
FUTURE JETm 2C-ST	**FUTURE JET 2C-ST**	0.75	1					55	52	49	43	34	27	20.5	18.3	17	15.5	10
FUTURE JETm 2A-ST	**FUTURE JET 2A-ST**	0.90	1.25	**IE2**	**IE3**	**H**	metres	59	56	53	47	38	32	25	22.3	21	19.5	13.7

Q = Flow rate **H** = Total manometric head **HS** = Suction height

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

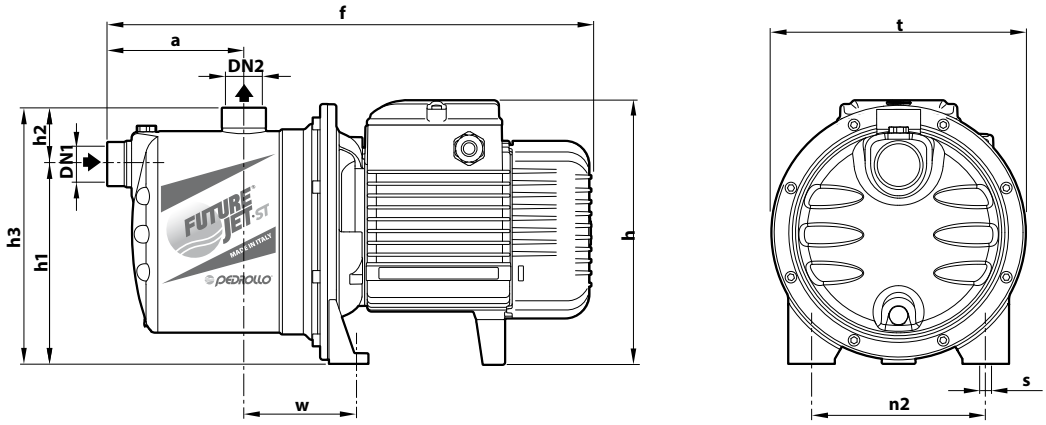
FUTURE JET-ST Technical data

ABSORPTION

TYPE	VOLTAGE
Single-phase	**230 V**
FUTURE JETm 1C-ST	2.6 A
FUTURE JETm 1B-ST	3.2 A
FUTURE JETm 1A-ST	4.0 A
FUTURE JETm 2C-ST	5.8 A
FUTURE JETm 2A-ST	6.6 A

TYPE	VOLTAGE	
Three-phase	**230 V - Δ**	**400 V - Y**
FUTURE JET 1C-ST	1.7 A	1.0 A
FUTURE JET 1B-ST	2.1 A	1.2 A
FUTURE JET 1A-ST	2.8 A	1.6 A
FUTURE JET 2C-ST	4.7 A	2.7 A
FUTURE JET 2A-ST	5.2 A	3.0 A

DIMENSIONS AND WEIGHT



TYPE		PORTS		DIMENSIONS mm										kg	
Single-phase	**Three-phase**	**DN1**	**DN2**	a	f	h	h1	h2	h3	t	n2	w	s	1~	3~
FUTURE JETm 1C-ST	**FUTURE JET 1C-ST**	**1"**	**1"**	113	367	183	132	51	183	182	120	87	9	7.1	7.1
FUTURE JETm 1B-ST	**FUTURE JET 1B-ST**													7.1	7.1
FUTURE JETm 1A-ST	**FUTURE JET 1A-ST**													7.8	7.1
FUTURE JETm 2C-ST	**FUTURE JET 2C-ST**	**1"**	**1"**	111	393	217 *	162	46	208	208	142	91	10	11.2	11.2
FUTURE JETm 2A-ST	**FUTURE JET 2A-ST**													12.0	11.2

(*) h=236 mm for single-phase 110 V versions

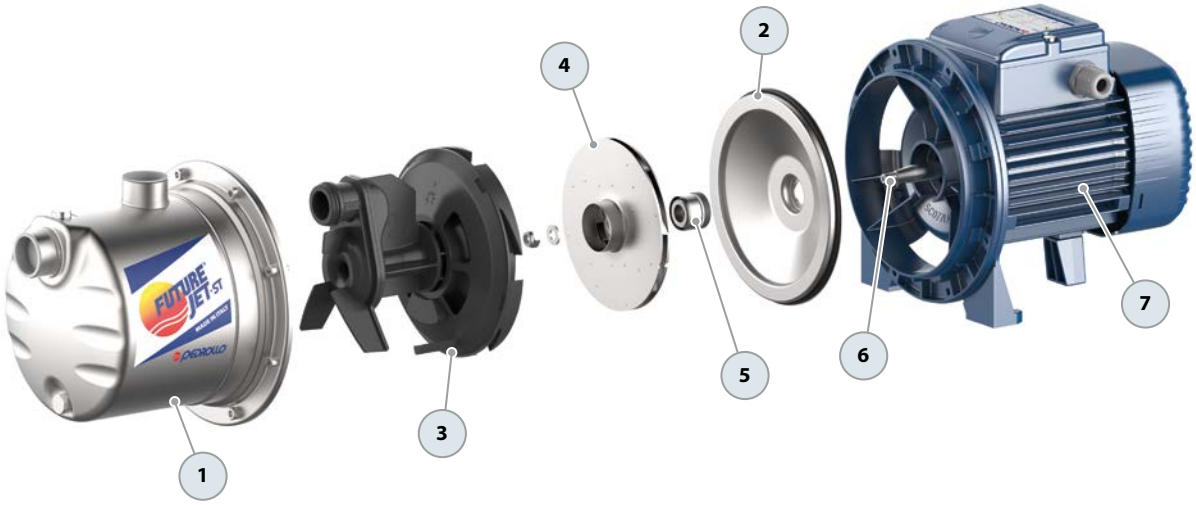
PALLET CAPACITY

TYPE		NO. OF PUMPS
Single-phase	**Three-phase**	
FUTURE JETm 1C-ST	**FUTURE JET 1C-ST**	84
FUTURE JETm 1B-ST	**FUTURE JET 1B-ST**	84
FUTURE JETm 1A-ST	**FUTURE JET 1A-ST**	84
FUTURE JETm 2C-ST	**FUTURE JET 2C-ST**	60
FUTURE JETm 2A-ST	**FUTURE JET 2A-ST**	60

MATERIALS AND COMPONENTS

1	**Pump body**	Stainless steel **AISI 304**,provided with ISO 228/1 threaded ports
2	**Cover**	Stainless steel **AISI 304**
3	**Ejector unit**	Noryl™
4	**Impeller**	Stainless steel **AISI 304**
5	**Mechanical seal**	
6	**Motor shaft**	Stainless steel **AISI 431**
7	**Electric motor**	**FUTURE JETm-ST**: single-phase 230 V - 50 Hz with winding integrated thermal motor protection **FUTURE JET-ST**: three-phase 230/400 V - 50 Hz ※ Pumps are equipped with high-efficiency motors (IEC 60034-30-1) class **IE2** for single-phase models class **IE3** for three-phase models – Continuous running duty **S1** – Insulation: CLASS F – Protection rating: IP X4

Water pump	Seal	Shaft	Materials
FUTURE JET 1-ST	**AR-12**	Ø 12 mm	Ceramic / Graphite / NBR
FUTURE JET 2-ST	**AR-14**	Ø 14 mm	Ceramic / Graphite / NBR



EXAMPLES OF INSTALLATION