Equipment and solutions

JRV Submersible Pump

Product technical datasheet

JRV pumps with vortex impeller for wastewater handling.



FT-P011 · Rev. 1

The JRV submersible pumps feature a vortex impeller designed for wastewater containing suspended solids. Durable and easy to maintain, they deliver high performance and protection in demanding environments.

Applications

- Pumping of wastewater with suspended solids up to 38mm.
- Drainage of rainwater and industrial effluents.
- Sewage systems and dirty water drainage.
- Applications in civil construction and sanitation.
- Fountains and other applications for pumping liquids with solids.

Operating conditions

- Confirm the installation conditions, power supply and duty point before commissioning.

Engineering note	Confirm the installation conditions, power supply and duty point before commissioning.
Complementary equipment	Contact JOVAL for compatible accessories and equipment.
Resources and support	Pump selection guide · JOVAL technical support
Contact	+351 253 490 740 · joval@joval.pt

Technical specifications

Impeller

Vortex for wastewater with suspended solids up to 38mm

Pump shaft and screws

Stainless Steel AISI 304 (1.4301)

Motor jacket

Stainless Steel AISI 304 (1.4301)

Pump body and impeller

Cast iron

Max Temperature

40°C

Maximum immersion depth

10m

Electric cable

H07 RN-F (10m)

Protection

IP 68

Insulation

Class F

Discharge

2"

Three-phase versions

Float switch option.

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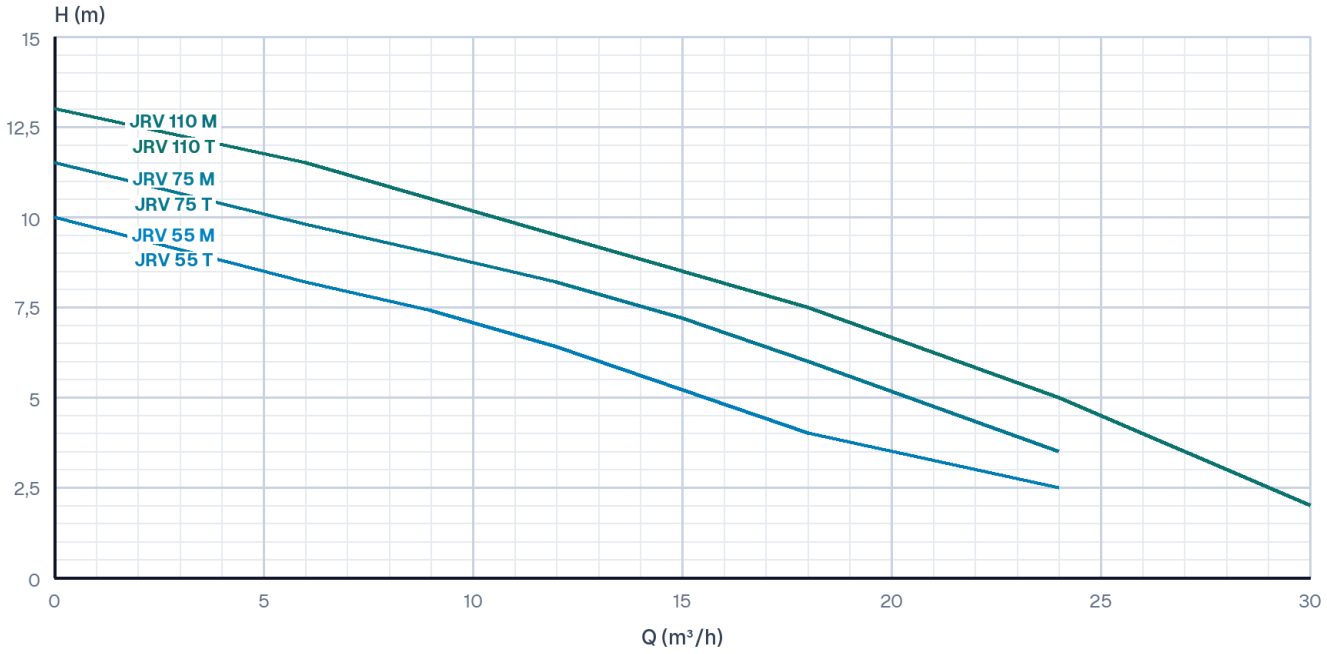
Operating conditions

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Performance

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
JRV 55 M	0,55	0,75	3,6
JRV 55 T	0,55	0,75	1,7
JRV 75 M	0,75	1	5,9

Model	kW	HP	A (400 V)
JRV 75 T	0,75	1	2,2
JRV 110 M	1,1	1,5	7,5
JRV 110 T	1,1	1,5	3,2

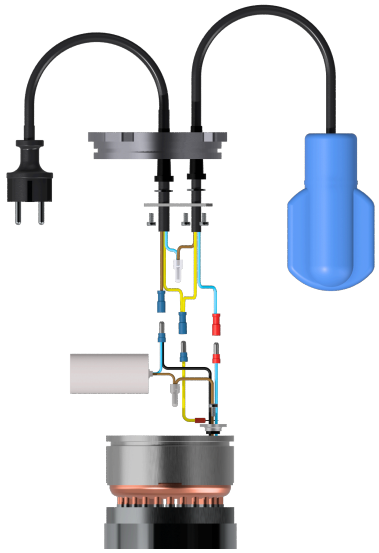
Hydraulic performance

	Q · Flow (m³/h)							
Model	0	6	9	12	15	18	24	30
JRV 55 M	10	8,2	7,4	6,4	5,2	4	2,5	—
JRV 55 T	10	8,2	7,4	6,4	5,2	4	2,5	—
JRV 75 M	11,5	9,8	9	8,2	7,2	6	3,5	—
JRV 75 T	11,5	9,8	9	8,2	7,2	6	3,5	—
JRV 110 M	13	11,5	10,5	9,5	8,5	7,5	5	2
JRV 110 T	13	11,5	10,5	9,5	8,5	7,5	5	2

Select the duty point at the intersection of Q and H.

Dimensions and models

Dimensions and models



Model	Voltage	kW	HP	uF	Weight (kg)	DN
JRV 55 M	230V	0.55	0.75	20	22	2"
JRV 55 T	400V	0.55	0.75	-	21	2"
JRV 75 M	230V	0.75	1.0	30	23	2"
JRV 75 T	400V	0.75	1.0	-	22	2"
JRV 110 M	230V	1.1	1.5	40	24	2"
JRV 110 T	400V	1.1	1.5	-	23	2"