Equipment and solutions

JRD Submersible Pump

Product technical datasheet

JRD pumps for drainage of clean or slightly dirty water.



FT-P012 · Rev. 1

The JRD submersible pumps are designed for drainage of clean or slightly dirty water (groundwater drainage, underground car parks, civil construction, rainwater, fountains and watercourses). Built with stainless steel and cast iron components, they deliver high performance and.

Applications

- Drainage of clean or slightly dirty water.
- Drainage of underground parks.
- Civil construction.
- Rainwater.
- Fountains and water courses.

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

Type

Drainage of clean or slightly dirty water.

Maximum solid passage

10 mm

Max Temperature

40°C

Max. immersion depth

10 m

Electric cable

H07 RN-F (10 m)

Protection degree

IP 68

Insulation class

Class F

Three-phase versions

Three-phase versions with float switch option.

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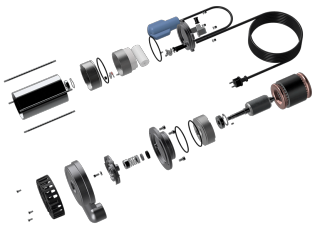
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List of materials

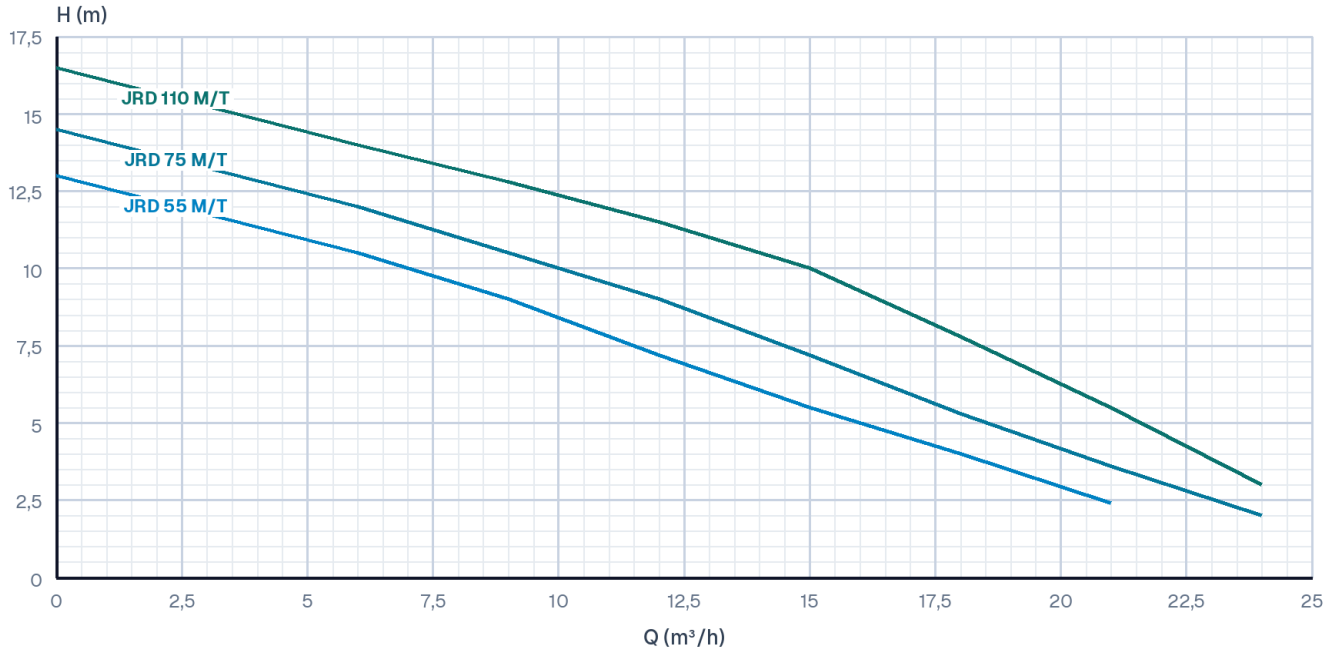
Materials



Pos.	Description	Material (Standard)
1	Stainless steel shaft	AISI 304
2	Stainless steel screws	AISI 304
3	Stainless steel outer jacket	AISI 304
4	Cast iron suction body	Cast iron
5	Cast iron impeller	Cast iron

Performance

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
JRD 55 M/T	0,55	0,75	20 / 450
JRD 75 M/T	0,75	1	30 / 450
JRD 110 M/T	1,1	1,5	40 / 450

Hydraulic performance

	Q · Flow (m³/h)							
Model	0	6	9	12	15	18	21	24
JRD 55 M/T	13	10,5	9	7,2	5,5	4	2,4	—
JRD 75 M/T	14,5	12	10,5	9	7,2	5,3	3,6	2
JRD 110 M/T	16,5	14	12,8	11,5	10	7,8	5,5	3

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

Dimensions and models

Dimensions and models



Model	Voltage	Power	Outlet	Weight
JRD 55M	230V	0.75 HP	1" 1/2	21 kg
JRD 55T	400V	0.75 HP	1" 1/2	20 kg
JRD 75M	230V	1.0 HP	1" 1/2	22 kg
JRD 75T	400V	1.0 HP	1" 1/2	21 kg
JRD 110M	230V	1.5 HP	1" 1/2	23 kg
JRD 110T	400V	1.5 HP	1" 1/2	21 kg