Equipment and solutions

V Series Submersible Grinder Pump

Product technical datasheet

Heavy-duty grinder pumps for wastewater and sewage.

FT-P034 · Rev. 1

The V Series Submersible Grinder Pumps are designed to handle wastewater containing solids and fibres. Equipped with a grinding mechanism that shreds debris before discharge, they are suitable for domestic and industrial sewage systems. The cutting system prevents blockages and.

Applications

- Drainage of wastewater and sewage.
- Domestic and industrial applications.

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

Applications

Type

Submersible Grinder Pump

Application

Drainage of wastewater and sewage.

Impeller

Grinder System (Trituradora)

Discharge

2" - 3"

Max Head

12 m

Max Flow

24 m³/h

- Drainage of wastewater and sewage.
- Domestic and industrial applications.

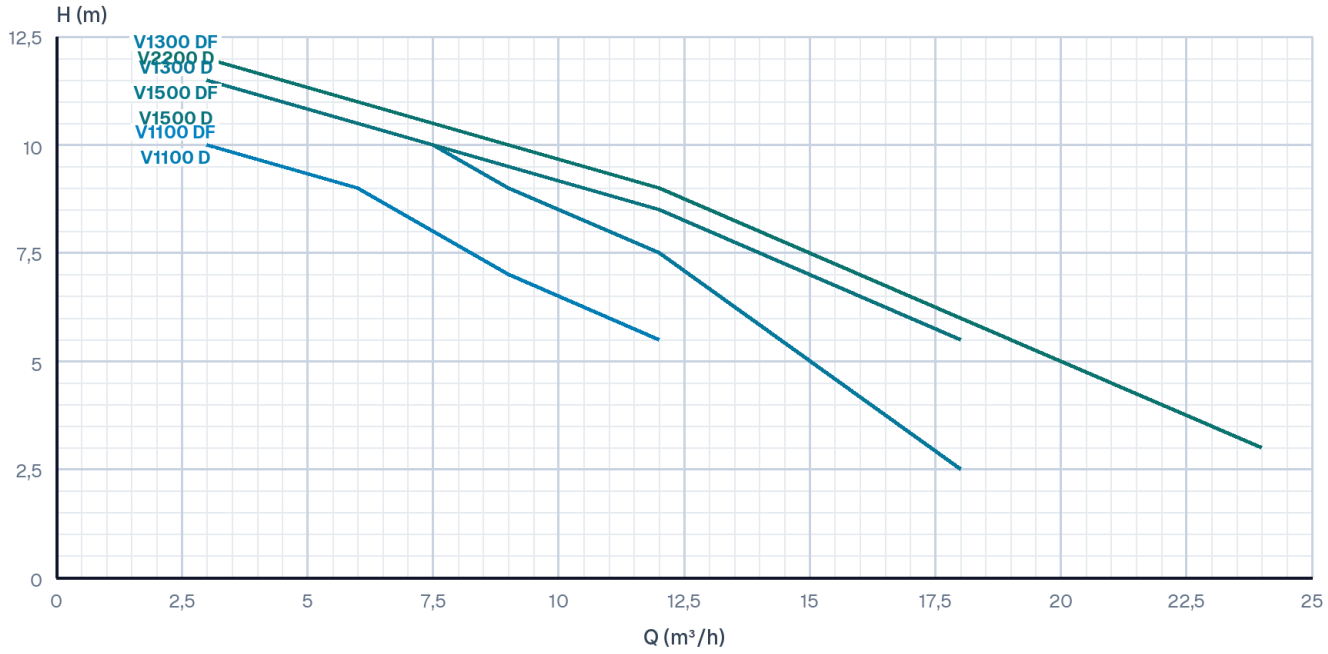
Operating conditions

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

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

Performance

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
V1100 DF	1,1	1,5	7,3
V1100 D	1,1	1,5	2,7
V1300 DF	1,3	1,7	9,4
V1300 D	1,3	1,7	3,2

Model	kW	HP	A (400 V)
V1500 DF	1,5	2	11
V1500 D	1,5	2	3,6
V2200 D	2,2	3	5,1

Performance

Hydraulic performance

Total head H in metres

Q · Flow (m³/h)

Model	3	6	7,5	9	12	18	24
V1100 DF	10	9	8	7	5,5	—	—
V1100 D	10	9	8	7	5,5	—	—
V1300 DF	11,5	10,5	10	9	7,5	2,5	—
V1300 D	11,5	10,5	10	9	7,5	2,5	—
V1500 DF	11,5	10,5	10	9,5	8,5	5,5	—
V1500 D	11,5	10,5	10	9,5	8,5	5,5	—
V2200 D	12	11	10,5	10	9	6	3

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

Dimensions and models

Dimensions and models

Model	HP	kW	230V (A)	400V (A)	Weight (kg)	DN
V1100	1.5	1.1	7.3	2.7	22.6	2"
V1300	1.7	1.3	9.4	3.2	25	2"
V1500	2.0	1.5	11	3.6	26	2"
V2200	3.0	2.2	-	5.1	32	3"

Additional information

- quadros-electricos-quadro-aguas-residuais