Equipment and solutions

QXN – Submersible Drainage Pump

Product technical datasheet

Submersible drainage pump for domestic and industrial wastewater.

FT-P002 · Rev. 1

Built-in submersible electric pump, QXN series. Cast iron impeller. Hydraulic section located below the motor, which is water-cooled. Double shaft seal with intermediate oil chamber. Effective cooling of motor and bearings. The upper section of the pump can operate above water.

Applications

- Drainage of domestic and industrial wastewater.

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

Max Temperature

40 °C

Maximum solid passage

6-10 mm

Maximum immersion depth

20 m

Electric cable length

15 m

Impeller

Cast iron

Cooling

Cooled by surrounding liquid

Seal

Double mechanical seal in silicon carbide

Applications

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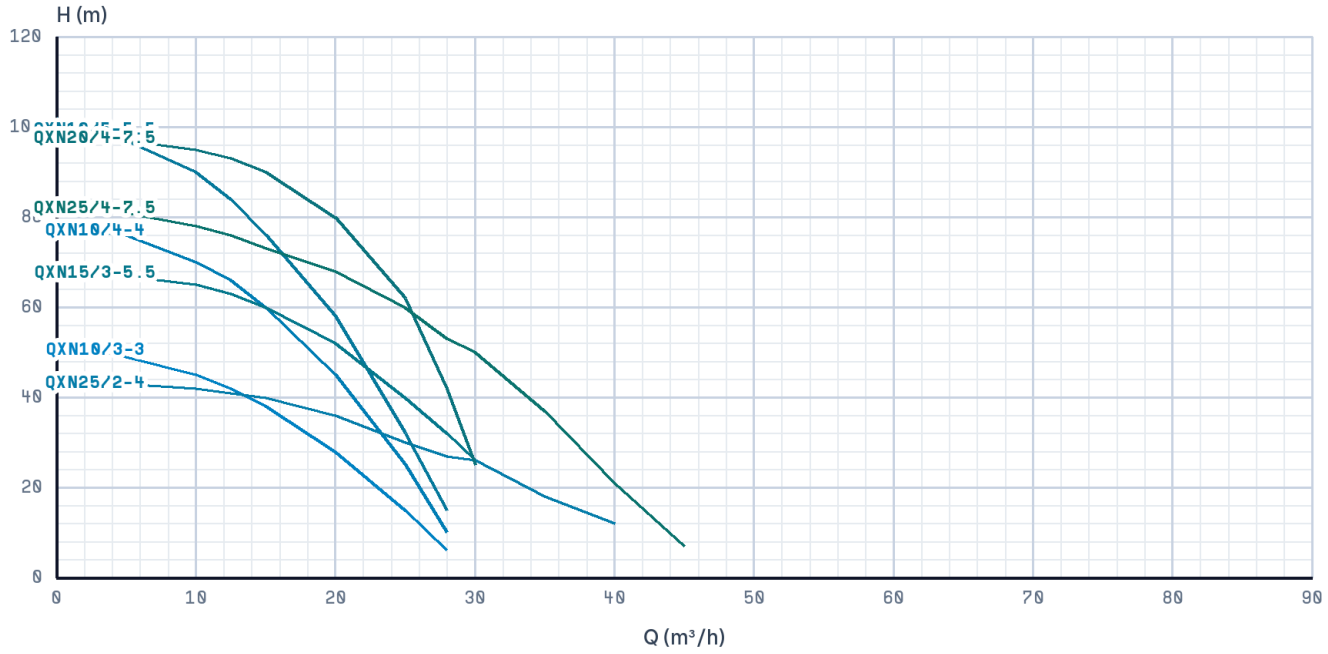
Performance

Performance curves



Electrical data

Rated values at 400 V

Model	kW	HP	A (400 V)
QXN10/3-3	3	4	7,2
QXN10/4-4	4	5,5	8,8
QXN25/2-4	4	5,5	8,8
QXN10/5-5.5	5,5	7,5	11,7

Model	kW	HP	A (400 V)
QXN15/3-5.5	5,5	7,5	11,7
QXN20/4-7.5	7,5	10	15,7
QXN25/4-7.5	7,5	10	15,7

Performance

Hydraulic performance

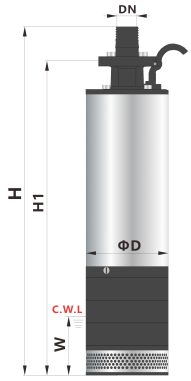
Total head H in metres

Model	Q · Flow (m³/h)																
	0	5	10	12,5	15	20	25	28	30	35	40	45	50	60	70	80	90
QXN10/3-3	52	49	45	42	38	28	15	6	–	–	–	–	–	–	–	–	–
QXN10/4-4	78	76	70	66	60	45	25	10	–	–	–	–	–	–	–	–	–
QXN25/2-4	43	43	42	41	40	36	30	27	26	18	12	–	–	–	–	–	–
QXN10/5-5.5	102	97	90	84	76	58	32	15	–	–	–	–	–	–	–	–	–
QXN15/3-5.5	68	67	65	63	60	52	40	32	26	–	–	–	–	–	–	–	–
QXN20/4-7.5	98	97	95	93	90	80	62	42	25	–	–	–	–	–	–	–	–
QXN25/4-7.5	83	81	78	76	73	68	60	53	50	37	21	7	–	–	–	–	–

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

Dimensions and models

Dimensions and models



Model	DN (mm)	kW	HP	Amp (380V)	dia. (mm)	W (mm)	D (mm)	H1 (mm)	H (mm)	Weight (kg)
QXN10/3-3	50	3	4	7.2	6	80	196	630	715	62
QXN10/4-4	50	4	5.5	8.8	6	80	196	705	760	71
QXN25/2-4	65	4	5.5	8.8	6	80	196	600	715	64
QXN10/5-5.5	50	5.5	7.5	11.7	6	80	196	705	760	71
QXN15/3-5.5	50	5.5	7.5	11.7	6	80	196	680	795	75
QXN20/4-7.5	50	7.5	10	15.7	6	80	196	825	940	92
QXN25/4-7.5	65	7.5	10	15.7	6	80	196	825	940	92