

ROTOR

SUBMERSIBLE PUMP QXN

Hydraulic part under the motor and motor cooled by the pumped water for safe operation also with the pump only partially immersed.
Double shaft seal with interposed oil chamber.



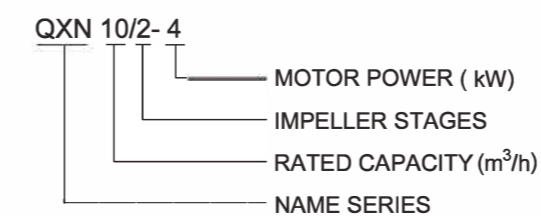
Application

- For mining, building, factory and industrial applications.
- For water supply from wells, tanks or reservoirs.
- For garden use and agricultural irrigation.

Specification

- Water temperature: up to 40°C
- PH: 6.5-8.5
- Power supply: three phase, 380V±10%, 50Hz
380V±10%, 60Hz
- Power: 2.2 kW ~ 25kW
- Insulation class: B
- Protection class: IP68
- Capacity: up to 100m³ /h
- Head: up to 204 m
- Maximum immersion depth: 20 m
- Cable length: 15m

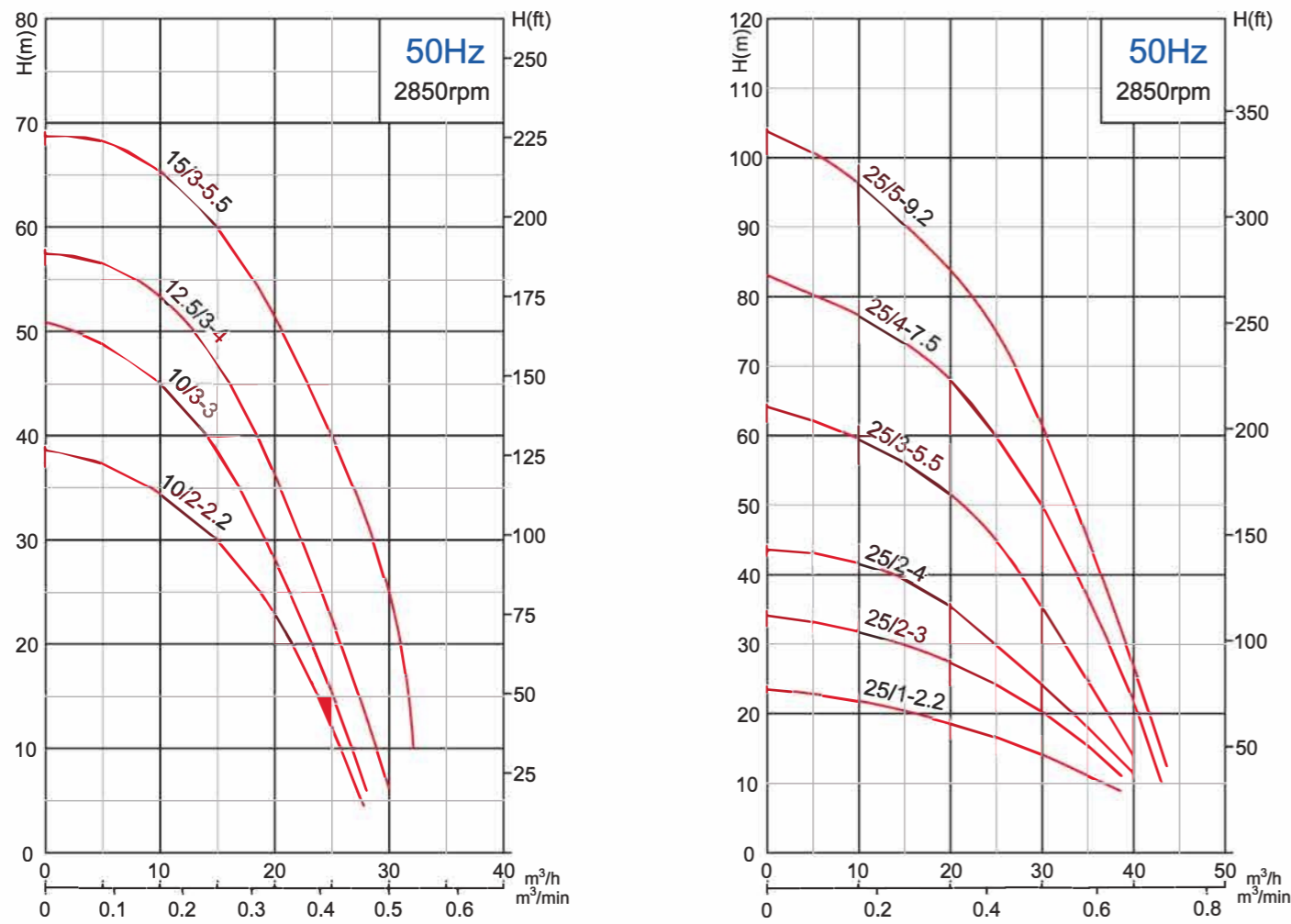
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Special features on request

- Other voltages
- The length of cable is optional

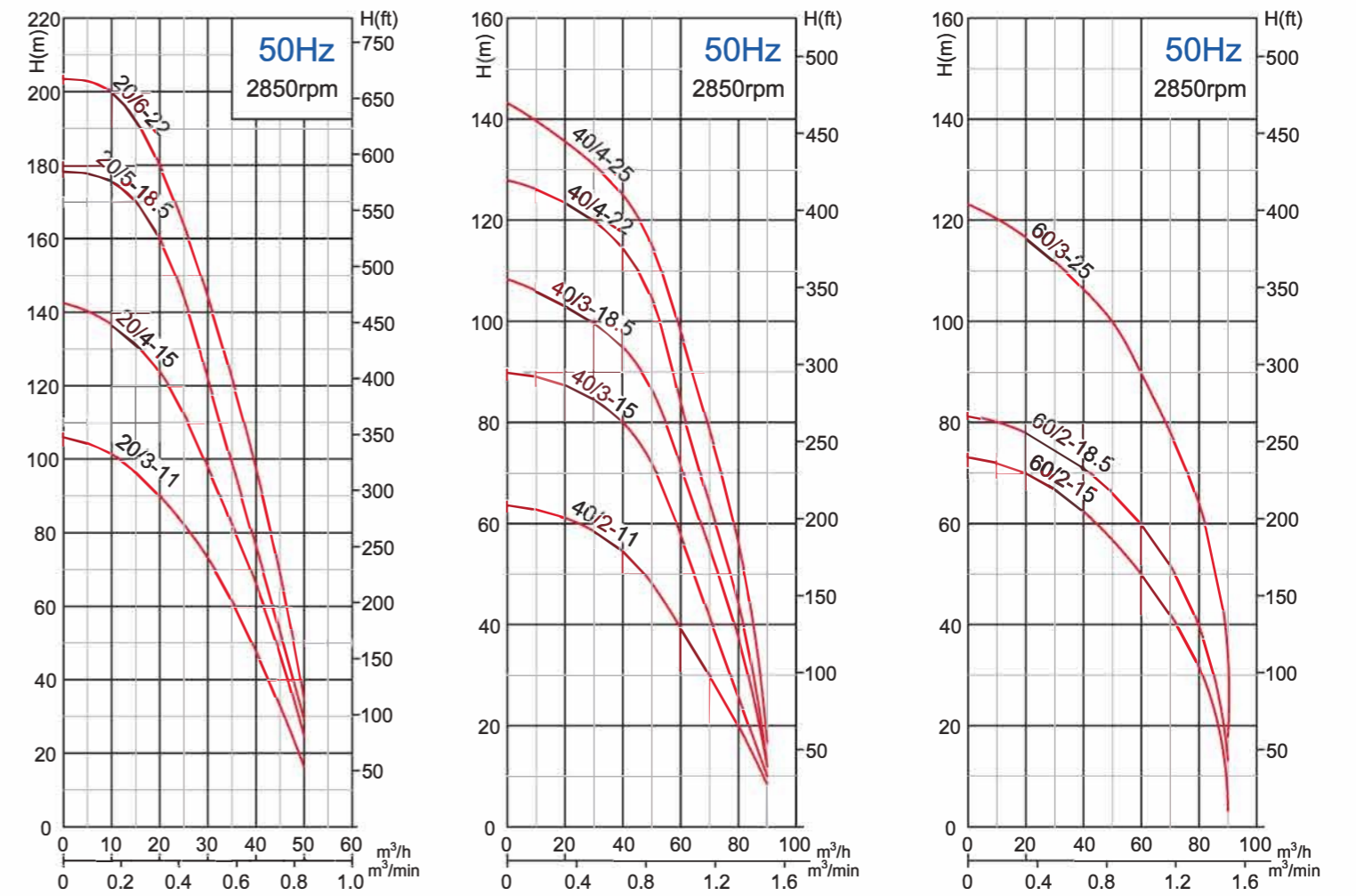
Performance curves



Performance table

Model (50Hz)	Motor power		Rated current (380V) A	Motor protector	Outlet mm	Rated capacity m³/h	Rated head m	Max capacity m³/h	Max Head m	Impeller Passage mm
	kW	HP								
QXN10/2-2.2	2.2	3	5.4	Built-in	50	10	34	28	38	6
QXN25/1-2.2	2.2	3	5.4	Built-in	65	25	17	37	23	6
QXN10/3-3	3	4	7.2	Built-in	50	10	45	28	51	6
QXN25/2-3	3	4	7.2	Built-in	65	25	25	37	33	6
QXN12.5/3-4	4	5.5	8.8	Built-in	50	12.5	50	30	57	6
QXN25/2-4	4	5.5	8.8	Built-in	65	25	30	40	43	6
QXN15/3-5.5	5.5	7.5	11.7	Built-in	50	15	60	32	67	6
QXN25/3-5.5	5.5	7.5	11.7	Built-in	65	25	45	40	64	6
QXN25/4-7.5	7.5	10	15.7	Built-in	65	25	60	42	84	6
QXN25/5-9.2	9.2	12.5	19.1	-	65	25	75	44	104	6

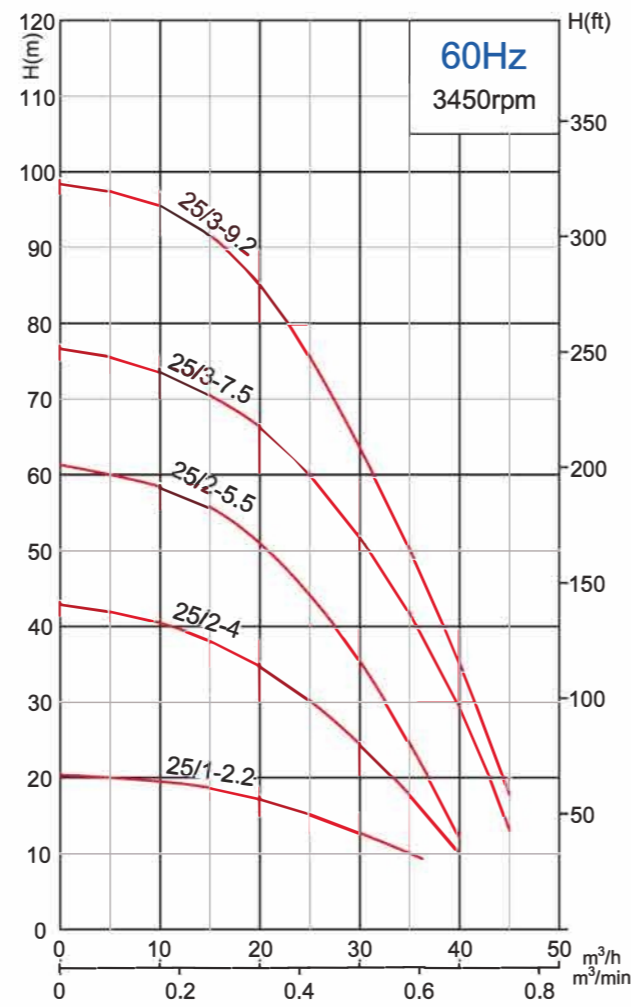
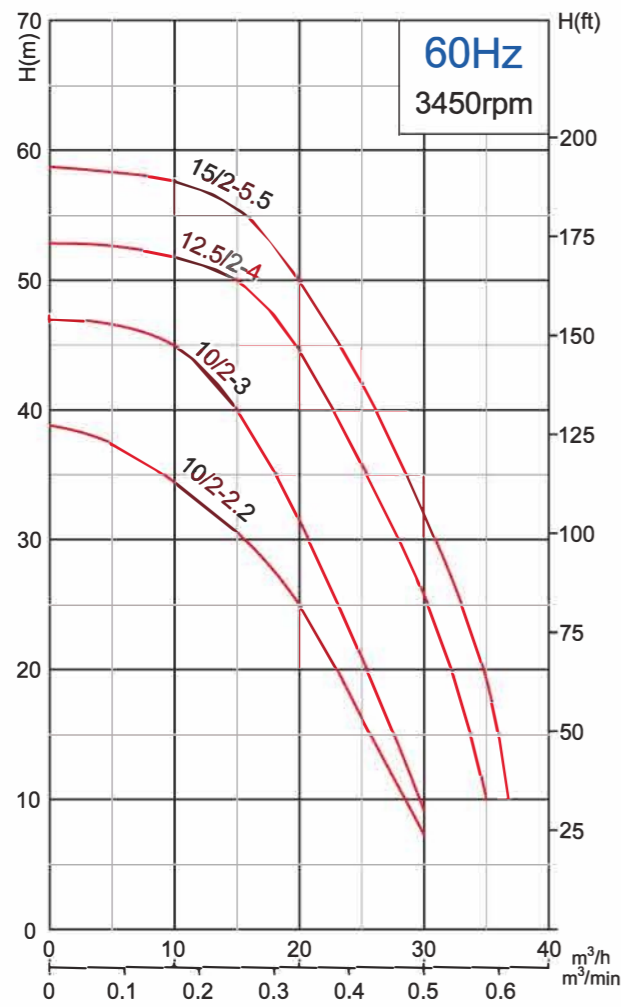
Performance curves



Performance table

Model (50Hz)	Motor power		Rated current (380V) A	Outlet mm	Rated capacity m³/h	Rated Head m	Max capacity m³/h	Max Head m	Impeller Passage mm
	kW	HP							
QXN20/3-11	11	15	22	65	20	90	50	106	6
QXN40/2-11	11	15	22	80	40	55	90	63	8
QXN20/4-15	15	20	31	65	20	125	50	142	6
QXN40/3-15	15	20	31	80	40	80	90	90	8
QXN60/2-15	15	20	31	100	60	50	90	73	10
QXN20/5-18.5	18.5	25	37.2	65	20	160	50	178	6
QXN40/3-18.5	18.5	25	37.2	80	40	95	90	108	8
QXN60/2-18.5	18.5	25	37.2	100	60	60	90	81	10
QXN20/6-22	22	30	45	65	20	180	50	204	6
QXN40/4-22	22	30	45	80	40	115	90	127	8
QXN40/4-25	25	34	51	80	40	125	90	144	8
QXN60/3-25	25	34	51	100	60	90	90	123	10

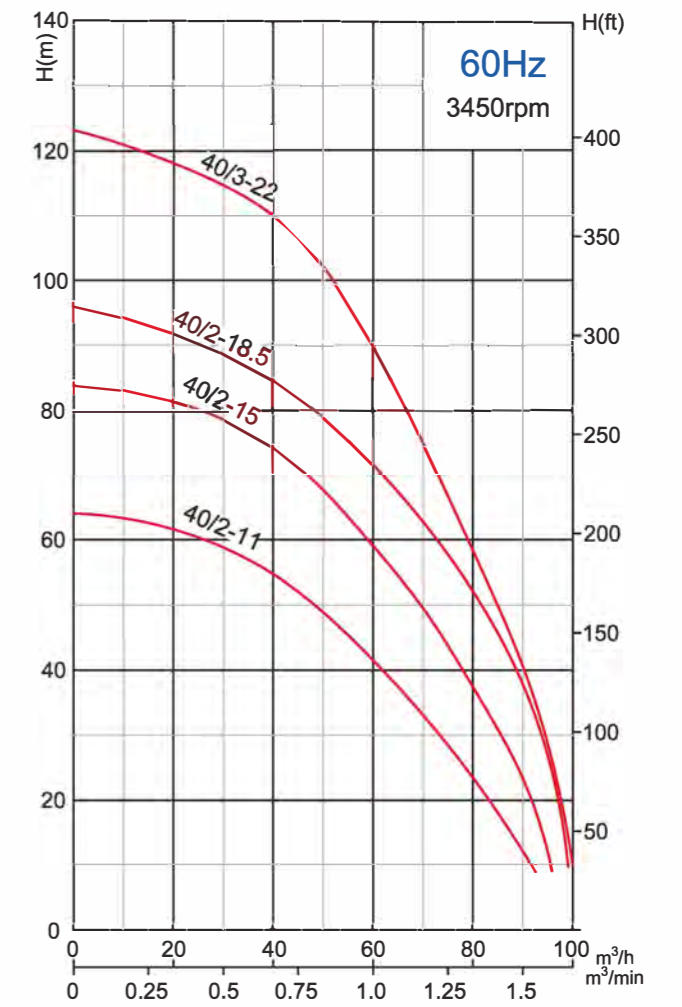
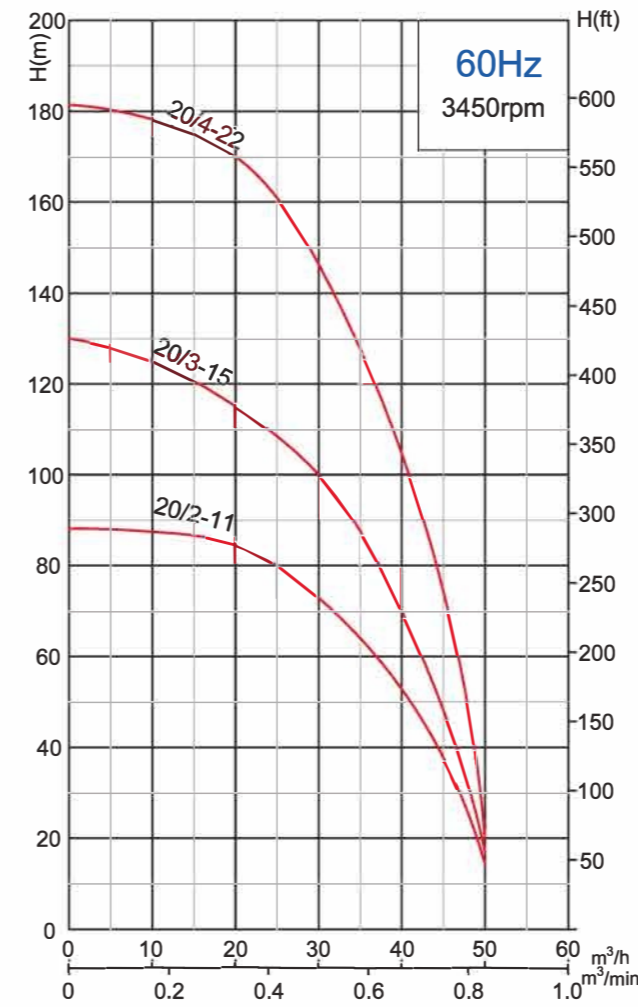
Performance curves



Performance table

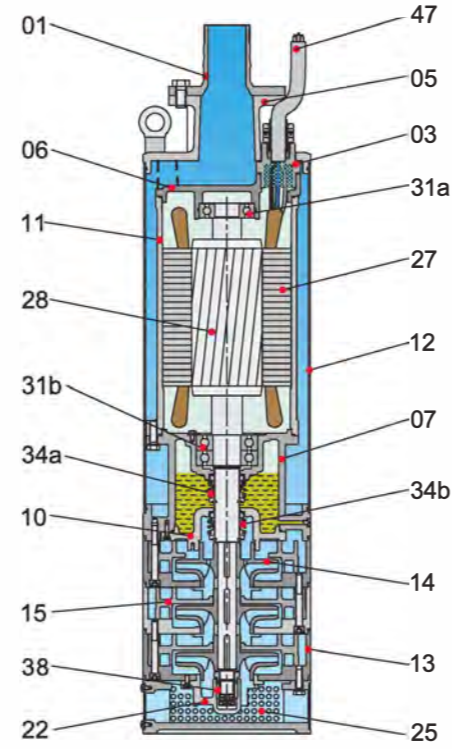
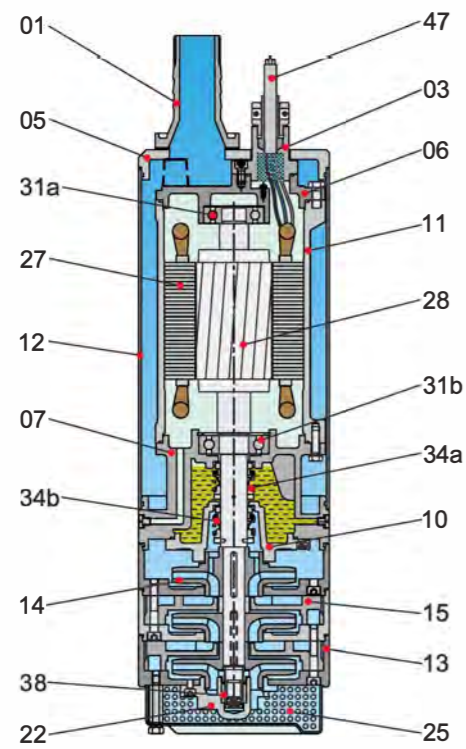
Model (60Hz)	Motor power		Rated current (380V) A	Motor protector	Outlet mm	Rated capacity m³/h	Rated Head m	Max capacity m³/h	Max Head m	Impeller Passage mm
	kW	HP								
QXN10/2-2.2	2.2	3	5.4	Built-in	50	10	34	30	38	6
QXN25/1-2.2	2.2	3	5.4	Built-in	65	25	17	35	21	6
QXN10/2-3	3	4	7.2	Built-in	50	10	45	30	47	6
QXN12.5/2-4	4	5.5	8.8	Built-in	50	12.5	50	37	53	6
QXN25/2-4	4	5.5	8.8	Built-in	65	25	30	40	43	6
QXN15/2-5.5	5.5	7.5	11.7	Built-in	50	15	57	35	59	6
QXN25/2-5.5	5.5	7.5	11.7	Built-in	65	25	45	40	62	6
QXN25/3-7.5	7.5	10	15.7	Built-in	65	25	60	45	76	6
QXN25/3-9.2	9.2	12.5	19.1	-	65	25	75	45	96	6

Performance curves



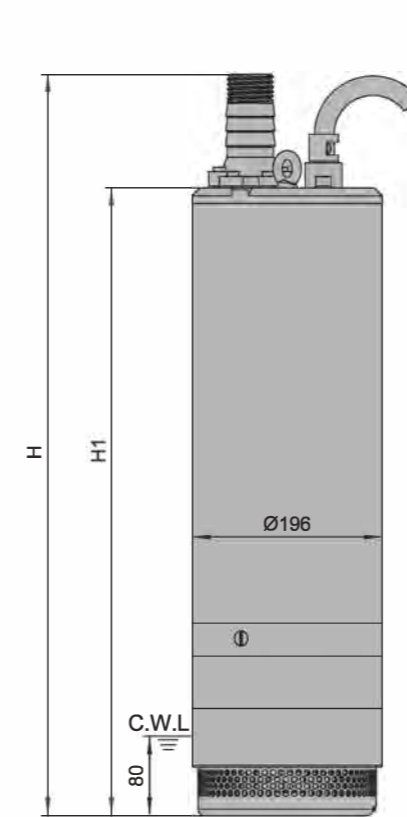
Performance table

Model (60Hz)	Motor power		Rated current (380V) A	Outlet mm	Rated capacity m³/h	Rated Head m	Max capacity m³/h	Max Head m	Impeller Passage mm
	kW	HP							
QXN20/2-11	11	15	22	65	20	85	50	87	6
QXN40/2-11	11	15	22	80	40	55	92	63	8
QXN20/3-15	15	20	31	65	20	115	50	130	6
QXN40/2-15	15	20	31	80	40	75	95	83	8
QXN40/2-18.5	18.5	25	37.2	80	40	85	98	96	8
QXN20/4-22	22	30	45	65	20	170	50	182	6
QXN40/3-22	22	30	45	80	40	110	100	123	8

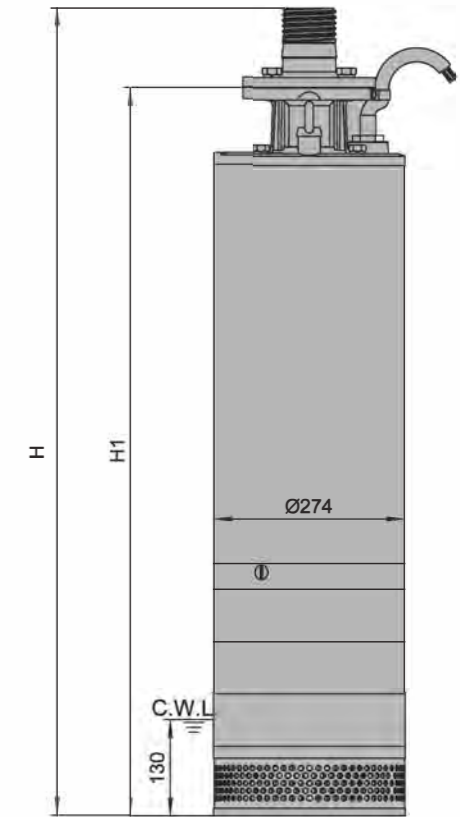


Item No.	Part name	Material	Item No.	Part name	Material
01	Hose coupling	Cast iron	22	Seat assembly	Cast iron
03	Terminal box	Cast iron	25	Strainer	Steel
05	Upper cover	Cast iron	27	Stator	
06	Up-Bearing house	Cast iron	28	Rotor	Shaft:Stainless steel
07	Bearing house	Cast iron	31a	Bearing	Ball bearing
10	Seal bracket	Cast iron	31b	Bearing	Ball bearing
11	Motor body	Cast iron	34a	Mechanical seal	SIC-SIC
12	Outer casing	AISI304SS	34b	Mechanical seal	Sic-Sic(< 9.2kW) TC-Sic(> 11kW)
13	Pump casing	Cast iron	38	Shaft sleeve	NBR & Steel
14	Impeller	Cast iron	47	Cable	
15	Diffuser	Cast iron			

Dimensions & weights



C.W.L.:Continuous running water level



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Dual purpose water outlet joint

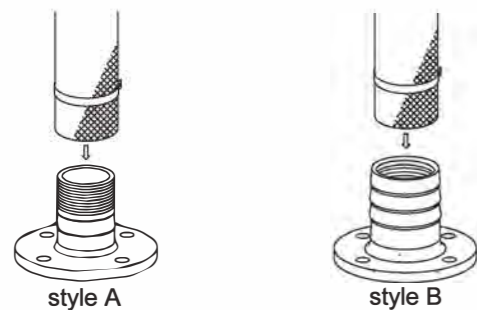


diagram of using hose

Outlet D	Style	Hose		Steel pipe	
		I.D.	G	Transition joint	Nominal pipe diameter
50	A	50	G1½"	G1½" → G2"	50
65	A	65	G2"	G2" → G2½"	65
80	A	80	G2½"	G2½" → G3"	80
100	B	100	G3"	G3" → G4"	100

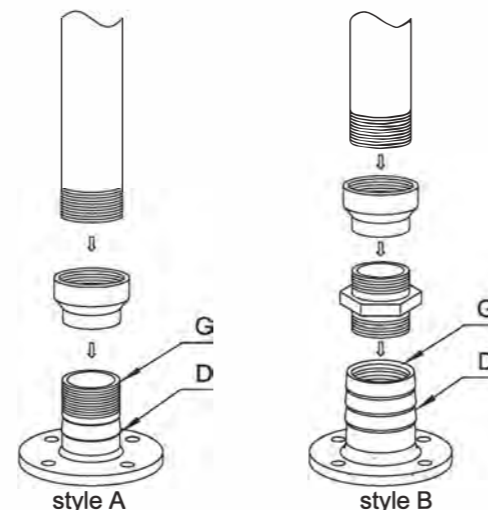


diagram of use steel pipe

50Hz	Dimension			Weight		Packing dimension
	Model	Ø	H1	H	N.W	
QXN10/2-2.2	Ø196	555	670	53	57	750×230×275
QXN25/1-2.2	Ø196	515	630	47	51	720×230×275
QXN10/3-3	Ø196	600	715	62	66	795×230×275
QXN25/2-3	Ø196	570	685	57	61	765×230×275
QXN12.5/3-4	Ø196	635	750	67	72	830×230×275
QXN25/2-4	Ø196	600	715	64	68	800×230×275
QXN15/3-5.5	Ø196	680	795	75	80	875×230×275
QXN25/3-5.5	Ø196	705	820	78	84	900×230×275
QXN25/4-7.5	Ø196	825	940	92	98	1020×230×275
QXN25/5-9.2	Ø196	910	1025	106	113	1105×230×275
QXN20/3-11	Ø274	895	1010	178	189	1095×305×385
QXN40/2-11	Ø274	901	1016	176	187	1105×305×385
QXN20/4-15	Ø274	992	1107	210	222	1205×305×385
QXN40/3-15	Ø274	1022	1137	206	218	1235×305×385
QXN60/2-15	Ø274	946	1061	189	201	1155×305×385
QXN20/5-18.5	Ø274	1066	1181	235	250	1275×305×385
QXN40/3-18.5	Ø274	1042	1157	225	237	1255×305×385
QXN60/2-18.5	Ø274	966	1081	204	216	1175×305×385
QXN20/6-22	Ø274	1193	1308	268	282	1415×305×385
QXN40/4-22	Ø274	1193	1308	227	241	1415×305×385
QXN40/4-25	Ø274	1193	1308	269	283	1415×305×385
QXN60/3-25	Ø274	1117	1232	263	277	1335×305×385

60Hz	Dimension			Weight		Packing dimension
	Model	Ø	H1	H	N.W	
QXN10/2-2.2	Ø196	555	670	53	57	750×230×275
QXN25/1-2.2	Ø196	515	630	47	51	720×230×275
QXN10/2-3	Ø196	553	668	56	60	750×230×275
QXN12.5/2-4	Ø196	588	703	61	65	785×230×275
QXN25/2-4	Ø196	600	715	64	68	800×230×275
QXN15/2-5.5	Ø196	633	748	69	74	830×230×275
QXN25/2-5.5	Ø196	650	765	72	77	845×230×275
QXN25/3-7.5	Ø196	770	885	87	93	965×230×275
QXN25/3-9.2	Ø196	800	915	94	100	995×230×275
QXN20/2-11	Ø274	841	956	164	174	1040×305×385
QXN40/2-11	Ø274	901	1016	176	187	1105×305×385
QXN20/3-15	Ø274	938	1053	196	207	1150×305×385
QXN40/2-15	Ø274	946	1061	187	199	1160×305×385
QXN40/2-18.5	Ø274	966	1081	206	218	1180×305×385
QXN20/4-22	Ø274	1085	1200	240	253	1305×305×385
QXN40/3-22	Ø274	1117	1232	208	222	1340×305×385