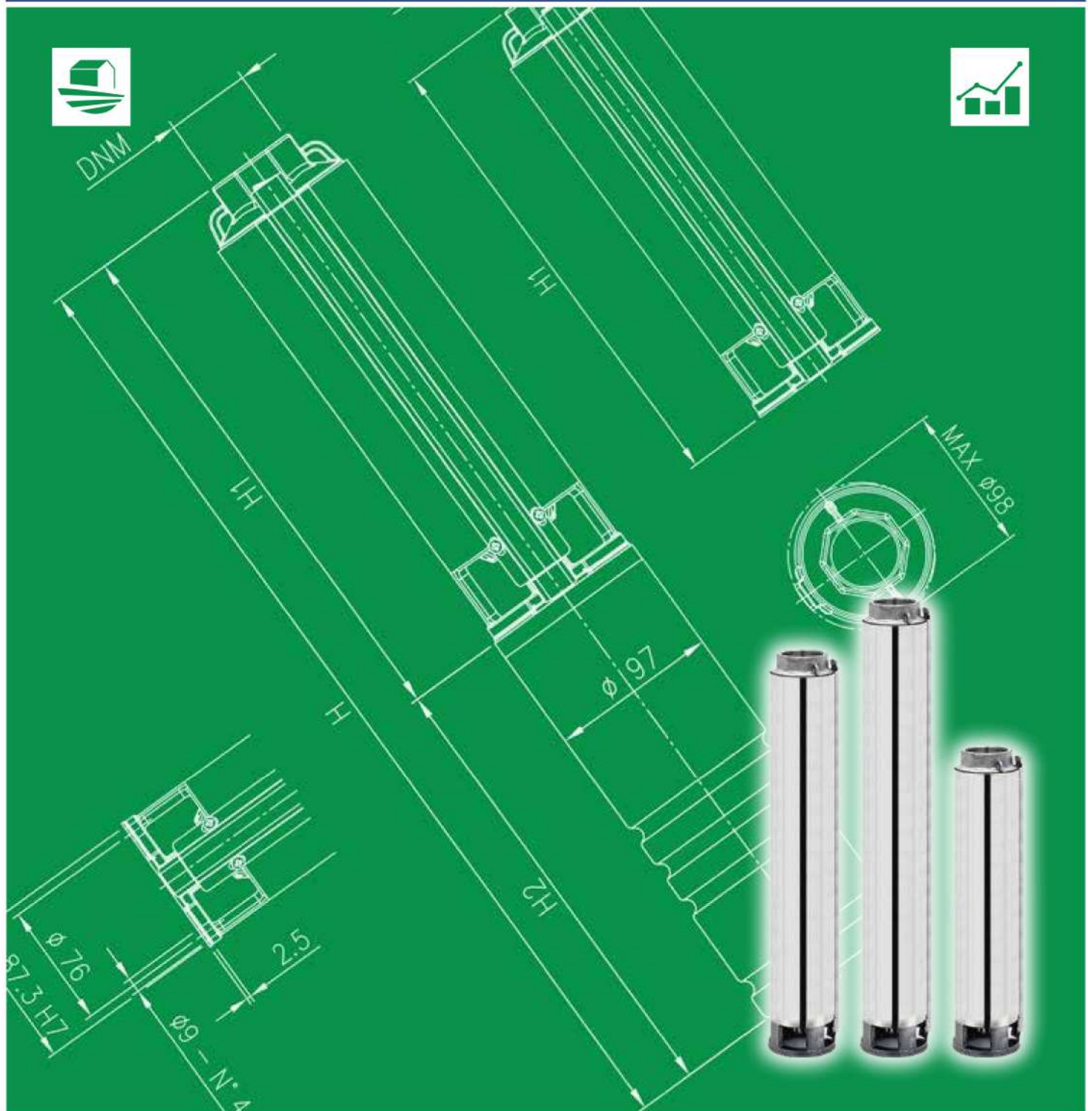




Japanese Technology since 1912

WINNER 4N

Data Book 50Hz



SELECTION CHART

50Hz

Rev. H

Pump type	Power		Q=Capacity										
			l/min	0	10	15	20	25	30	35	45	55	75
	[kW]	[HP]	m ³ /h	0	0.6	0.9	1.2	1.5	1.8	2.1	2.7	3.3	4.5
H=Total Head													
4N1- 12	0.37	0.5	66.5	63.5	59.5	53.5	45.5	36	25.2	-	-	-	-
4N1- 18	0.55	0.7	100	95.5	89.5	80.5	68.5	54	37.8	-	-	-	-
4N1- 24	0.75	1.0	133	127	119	107	91	72	50.5	-	-	-	-
4N1- 34	1.10	1.5	189	180	169	152	129	102	71.5	-	-	-	-
4N1- 48	1.50	2.0	266	254	238	214	182	144	101	-	-	-	-
4N1- 68	2.20	3.0	377	360	337	303	258	204	142	-	-	-	-
4N2- 7	0.37	0.5	48.5	-	46	44.5	42.5	39.6	36.1	26.2	13.3	-	-
4N2- 10	0.55	0.7	69.3	-	65.5	63.5	60.5	56.5	51.5	37.5	19	-	-
4N2- 14	0.75	1.0	97	-	91.5	89	84.5	79	72	52.5	26.6	-	-
4N2- 20	1.10	1.5	139	-	131	127	121	113	103	75	38	-	-
4N2- 28	1.50	2.0	194	-	183	178	169	158	144	105	53	-	-
4N2- 40	2.20	3.0	277	-	262	254	242	226	206	150	76	-	-
4N2- 56	3.00	4.0	388	-	367	355	338	317	289	210	106	-	-
4N4- 4	0.37	0.5	27.8	-	-	-	-	25.4	24.8	23.2	21.4	15.5	7.2
4N4- 7	0.55	0.7	48.7	-	-	-	-	44.45	43.33	40.6	37.38	27.23	12.6
4N4- 9	0.75	1.0	62.6	-	-	-	-	57	55.5	52	48	35	16.2
4N4- 13	1.10	1.5	90.4	-	-	-	-	82.5	80.5	75.5	69.5	50.5	23.4
4N4- 18	1.50	2.0	125	-	-	-	-	114	111	104	96	70	32.4
4N4- 27	2.20	3.0	188	-	-	-	-	171	167	157	144	105	48.5
4N4- 36	3.00	4.0	250	-	-	-	-	229	223	209	192	140	65
4N4- 48	4.00	5.5	334	-	-	-	-	305	297	278	256	187	86.5

Pump type	Power		Q=Capacity										
			l/min	0	50	70	100	130	160	200	240	280	320
	[kW]	[HP]	m ³ /h	0	3.0	4.2	6.0	7.8	9.6	12.0	14.4	16.8	19.2
H=Total Head													
4N7- 4	0.55	0.7	24.8	22.2	20.8	18.1	14	7.5	-	-	-	-	-
4N7- 6	0.75	1.0	37.2	33.3	31.2	27.1	21	11.3	-	-	-	-	-
4N7- 8	1.10	1.5	49.5	44.5	41.5	36.2	28	15	-	-	-	-	-
4N7- 12	1.50	2.0	74.5	66.5	62.5	54.5	42	22.6	-	-	-	-	-
4N7- 17	2.20	3.0	105	94.5	88.5	77	59.5	32	-	-	-	-	-
4N7- 23	3.00	4.0	143	128	120	104	80.5	43.5	-	-	-	-	-
4N7- 30	4.00	5.5	186	166	156	136	105	56.5	-	-	-	-	-
4N7- 42	5.50	7.5	260	233	219	190	147	79	-	-	-	-	-
4N10- 4	0.75	1.0	25.7	-	23.1	21.2	18.8	16	11.5	6.2	-	-	-
4N10- 6	1.10	1.5	38.6	-	34.6	31.8	28.2	24	17.3	9.4	-	-	-
4N10- 8	1.50	2.0	51.5	-	46.2	42.5	37.7	32	23.1	12.5	-	-	-
4N10- 13	2.20	3.0	83.5	-	75	69	61	52	37.5	20.3	-	-	-
4N10- 17	3.00	4.0	109	-	98	90	80	68	49	26.5	-	-	-
4N10- 23	4.00	5.5	148	-	133	122	108	92	66.5	35.8	-	-	-
4N10- 32	5.50	7.5	206	-	185	170	151	128	92	50	-	-	-
4N10- 44	7.50	10.0	283	-	254	233	207	176	127	68.5	-	-	-
4N15- 4	1.10	1.5	25.5	-	-	23.5	22.4	21	18.9	16.3	13.3	9.8	7
4N15- 6	1.50	2.0	38.3	-	-	35.3	33.6	31.5	28.3	24.4	19.9	14.7	10.5
4N15- 8	2.20	3.0	51.1	-	-	47	45	42	37.7	32.5	26.5	19.6	14
4N15- 11	3.00	4.0	72.2	-	-	67.5	65	61.5	56	49.5	41.9	33.2	25.9
4N15- 14	4.00	5.5	91.9	-	-	86	82.5	78	71.5	63	53.5	42	33
4N15- 20	5.50	7.5	131	-	-	123	118	112	102	90	76	60.5	47
4N15- 27	7.50	10.0	177	-	-	166	159	151	137	121	103	81.5	63.5