

60 Hz
n ≈ 3450 rpm



Construction

Submersible borehole pumps for 6" wells (DN 150).
Sized for connection to the motor according to NEMA Standards.
Delivery casing with built-in non-return valve. Delivery port G 3.

Impellers - radial impellers (RI-14, RI-19, RI-25)
- mixed flow impellers (RI-35, RI-40, RI-50)

Performance

Capacity up to 78 m³/h.
Head up to 375 m.
Rated motor power output up to 37 kW.
Rotation speed 3450 r.p.m. (motor frequency 60 Hz).

Applications

For clean water, non-aggressive. For water supply. For irrigation.
For civil and industrial applications. For fire fighting applications.

Operating conditions

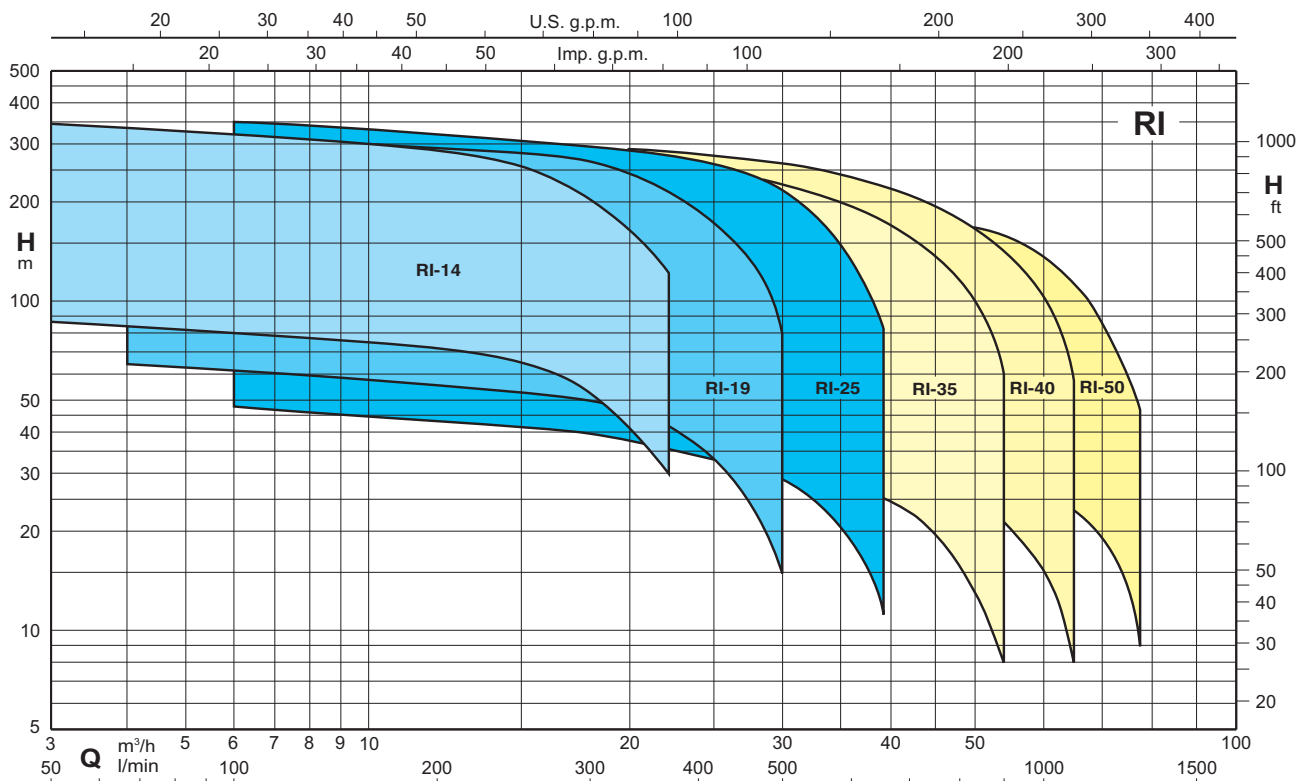
Water temperature up to 35 °C.
Max. sand quantity into the water: 100 g/m³.
Continuous duty.

Direction of rotation: clockwise as seen the pump from the coupling side.

Materials

Components	Materials
Suction casing	Bronze
Delivery casing - Non-return valve	Brass
Impellers	NORYL GFN2
Diffusers	
Shell - Diffuser sleeve	Steel AISI 304
Wear rings - Screws	
Coupling	Steel AISI 420
Shaft	Steel AISI 430F
Bushing	Sintered steel AISI 316
Filter and Cable sheat	Steel AISI 4302B

Coverage chart



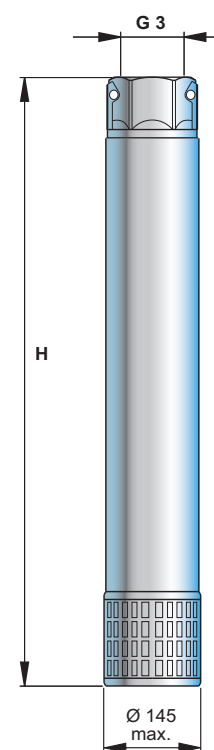
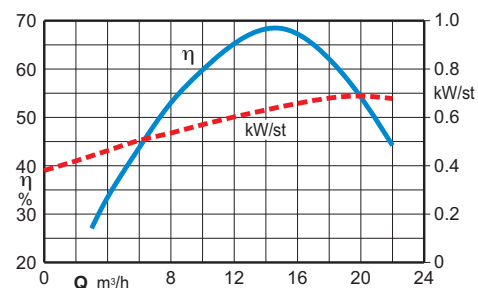
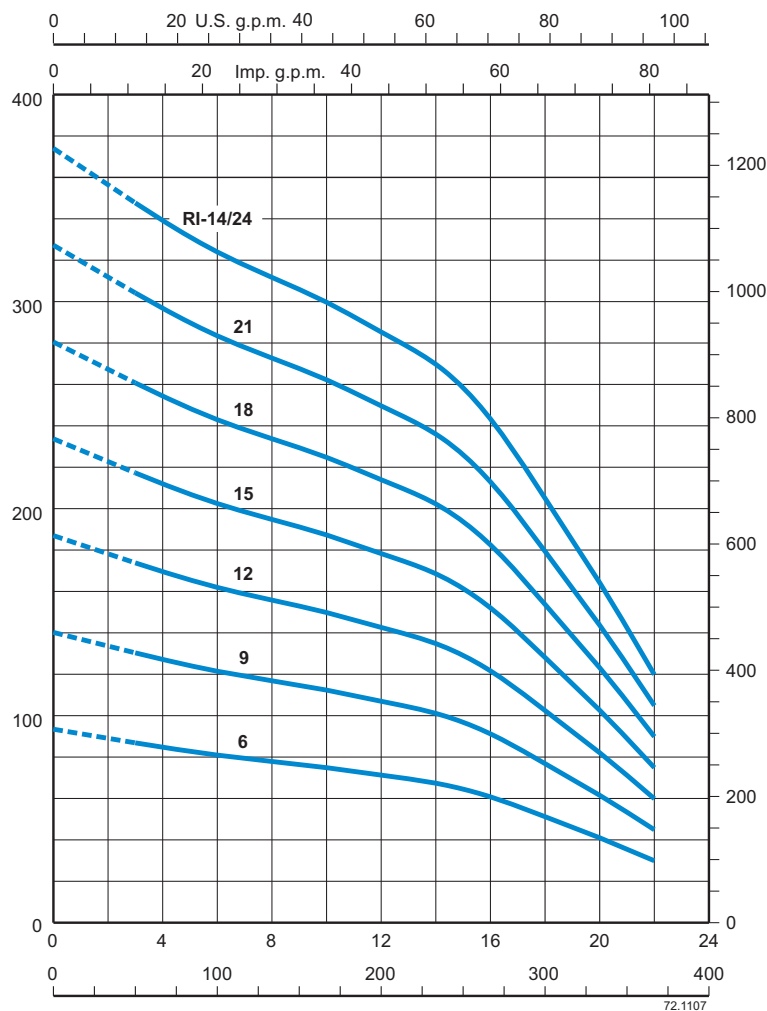
Tolerances according to ISO 9906-A

72.1114

RI-14

6" SUBMERSIBLE PUMPS
WITH STAINLESS STEEL CASING

60 Hz - $n \approx 3450$ rpm



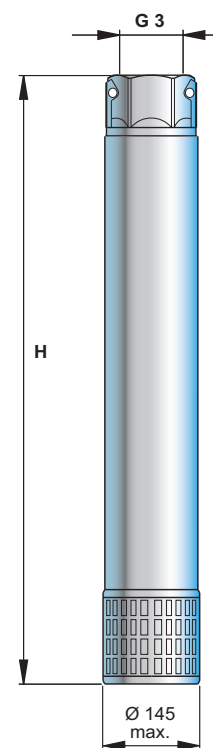
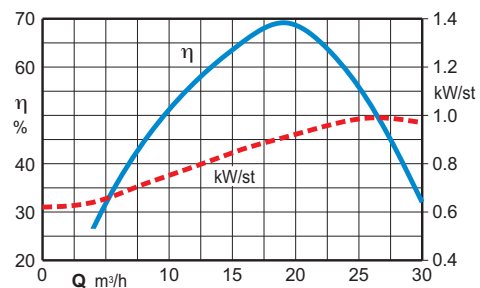
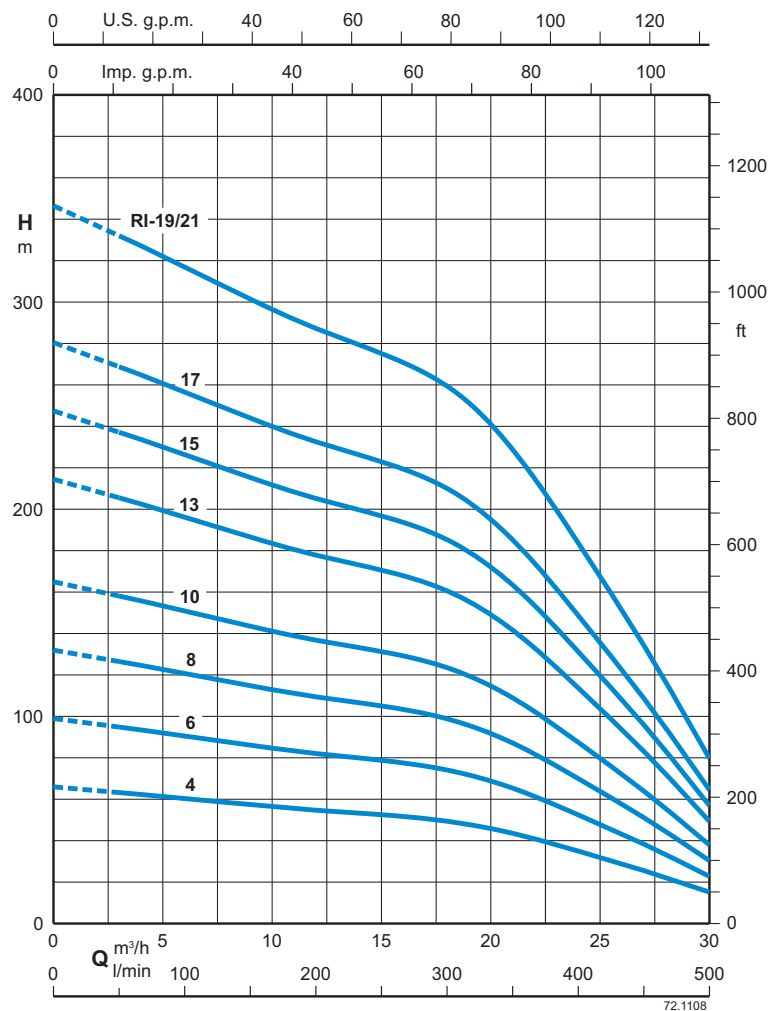
TYPE	MOTOR		Q m^3/h l/min	DELIVERY												H mm	kg
				0	3	6	8	10	12	14	15	16	18	20	22		
	kW	HP		0	50	100	133,3	166,6	200	233	250	266	300	333	366		
RI-14/6	4	5,5	H m HEAD	93,4	87	81	78	75	71,5	67,5	64,5	60	51,5	41	30	560	12,8
RI-14/9	5,5	7,5		140	131	122	117	113	107	101	96,8	91	77	61,5	45	677	14,5
RI-14/12	7,5	10		187	174	162	156	150	143	135	129	122	103	82	60	793	16,2
RI-14/15	9,2	12,5		234	218	203	195	188	179	169	161	152	128	103	75	908	17,9
RI-14/18	11	15		280	261	243	234	225	214	203	194	183	154	123	90	1025	19,6
RI-14/21	13	17,5		327	305	284	273	263	250	236	225	213	180	144	105	1141	21,3
RI-14/24	15	20		374	348	324	312	300	286	270	258	244	205	165	120	1320	23

The encumbered dimensions and weight are indicative.

RI-19

6" SUBMERSIBLE PUMPS
WITH STAINLESS STEEL CASING

60 Hz - $n \approx 3450$ rpm



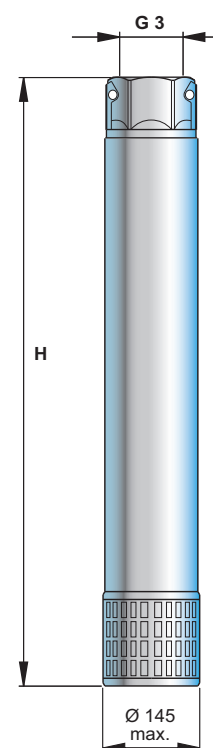
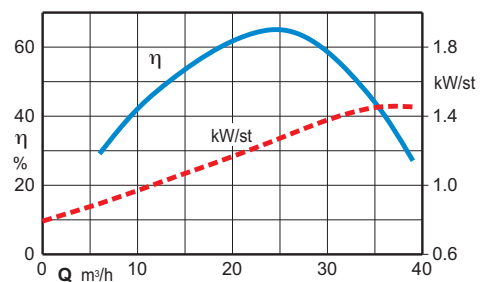
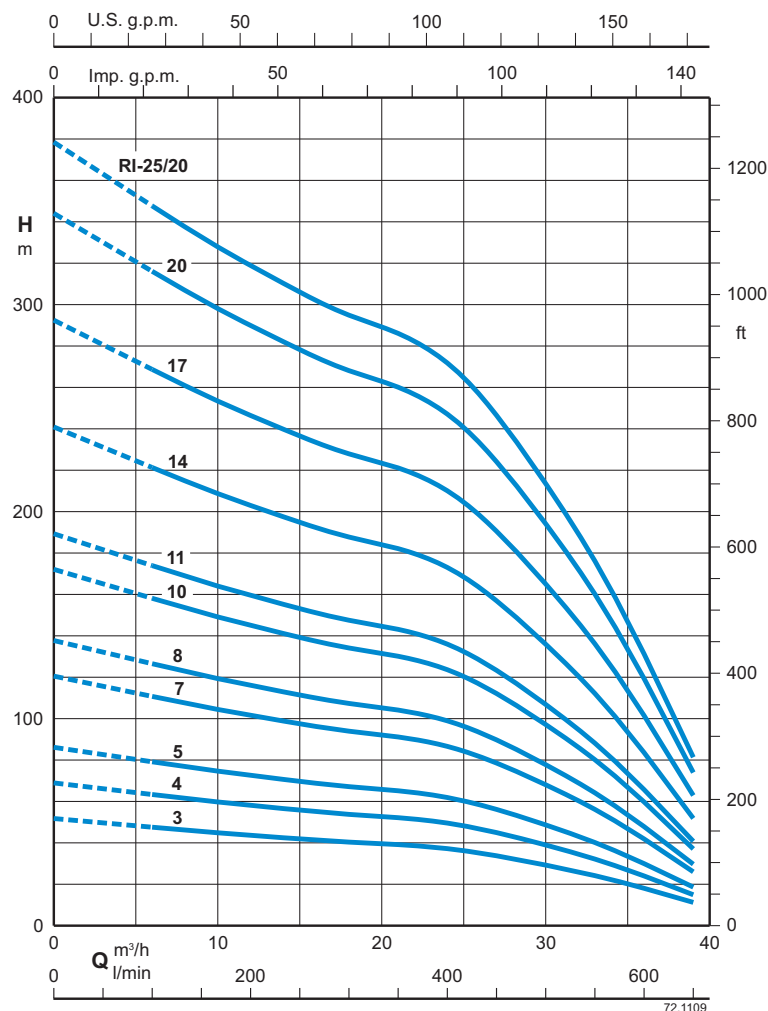
TYPE	MOTOR		Q m³/h l/min	DELIVERY												H mm	kg
				0	4	8	12	15	18	19,5	21	22,5	24	27	30		
	kW	HP		0	66,6	133,3	200	250	300	325	350	375	400	450	500		
RI-19/4	4	5,5	H m HEAD	66	62,5	58,5	54,7	52	50	46,8	43,5	39,5	35	25,5	15	484	12,5
RI-19/6	5,5	7,5		99	93,5	87,5	82	78	75	70,2	65,5	59,3	52,5	38,5	23	561	13,5
RI-19/8	7,5	10		132	125	117	109	104	100	93,6	87	79,1	70	51	30,5	638	14,5
RI-19/10	9,2	12,5		165	156	146	137	130	125	117	109	98,9	87,5	64	38	715	15,5
RI-19/13	11	15		214	203	190	178	169	163	152	142	129	114	83	49,5	830	17
RI-19/15	13	17,5		247	234	219	205	195	188	176	164	148	131	96	57	907	18
RI-19/17	15	20		280	265	248	233	221	213	199	185	168	149	109	64,5	985	19
RI-19/21	18,5	25		346	327	307	287	273	263	246	229	208	184	134	80	1139	21,5

The encumbered dimensions and weight are indicative.

RI-25

6" SUBMERSIBLE PUMPS
WITH STAINLESS STEEL CASING

60 Hz - $n \approx 3450$ rpm



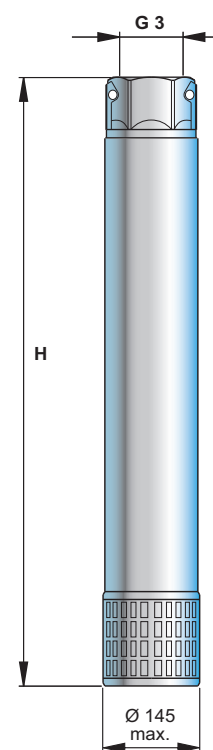
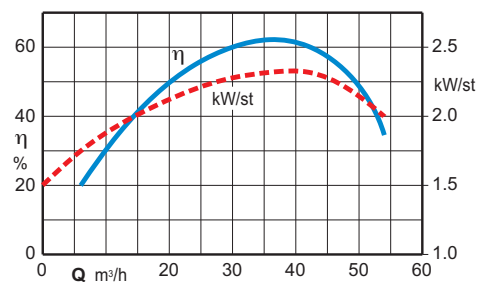
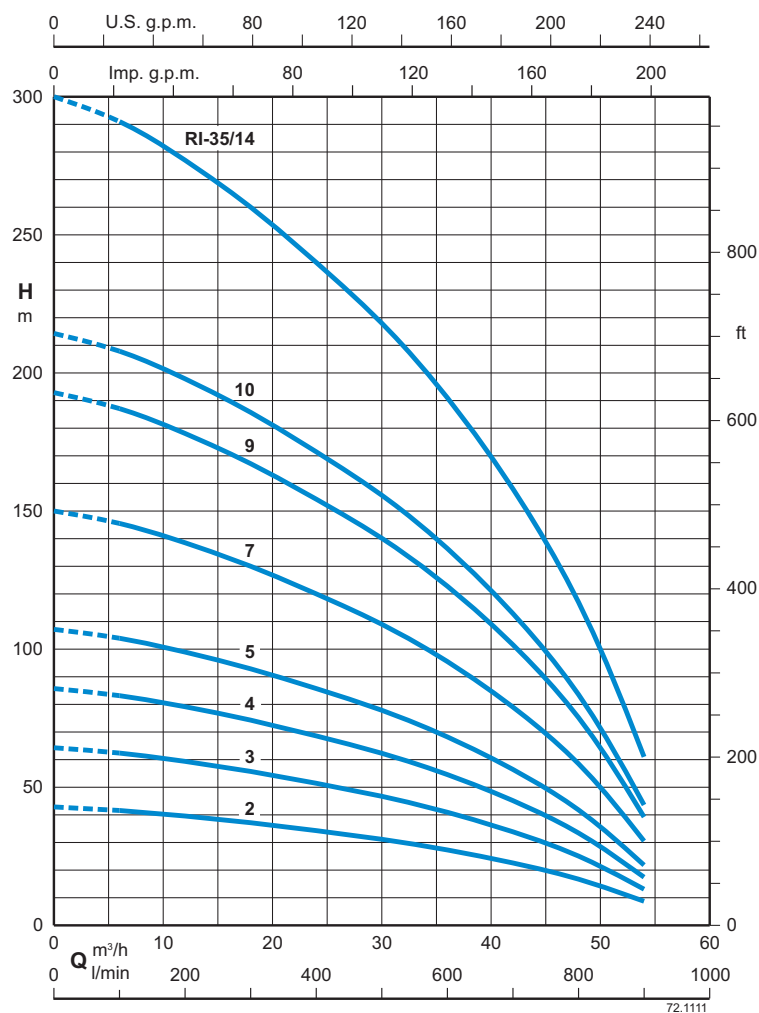
TYPE	MOTOR		Q m³/h l/min	DELIVERY												H mm	kg
	kW	HP		0	6	10	14	18	21	24	27	30	33	36	39		
RI-25/3	4	5,5	H m HEAD	51,5	47,5	44,5	42,5	40	39	37	33,5	29	24	18	11	470	12,1
RI-25/4	5,5	7,5		68,7	63	59,5	56,5	53,5	52	49,5	45	39	32	24	15	517	12,7
RI-25/5	7,5	10		85,9	79	74,5	70,5	67	65	62	56	48,5	40	30	18,5	565	13,3
RI-25/7	9,2	12,5		120	111	104	98,5	94	91	86,5	78,5	68	56	42	26	660	14,5
RI-25/8	11	15		137	126	119	113	107	104	99	89,5	77,5	64	47,5	29,5	707	15,1
RI-25/10	13	17,5		172	158	149	141	134	130	124	112	97	80	59,5	37	802	16,3
RI-25/11	15	20		189	174	164	155	147	143	136	123	107	88	65,5	40,5	850	16,9
RI-25/14	18,5	25		240	221	209	197	188	182	173	157	136	112	83,5	51,5	992	18,7
RI-25/17	22	30		292	269	253	240	228	221	210	190	165	136	101	62,5	1135	20,5
RI-25/20	26	35		344	316	298	282	268	260	247	224	194	160	119	74	12771	22,3
RI-25/22	30	40		378	348	328	310	295	286	272	246	213	176	131	81	1420	23,5

The encumbered dimensions and weight are indicative.

RI-35

6" SUBMERSIBLE PUMPS
WITH STAINLESS STEEL CASING

60 Hz - $n \approx 3450$ rpm



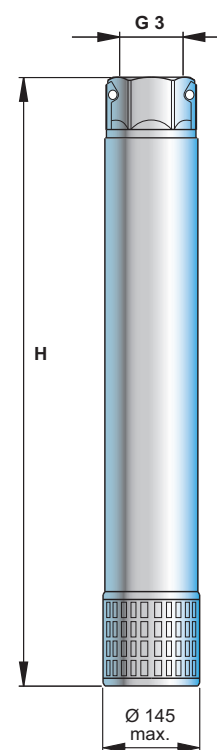
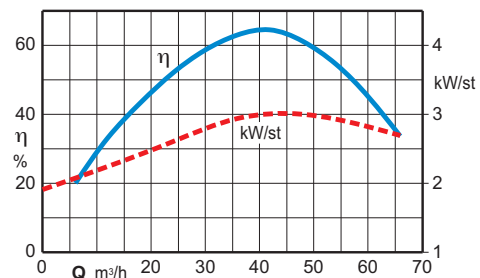
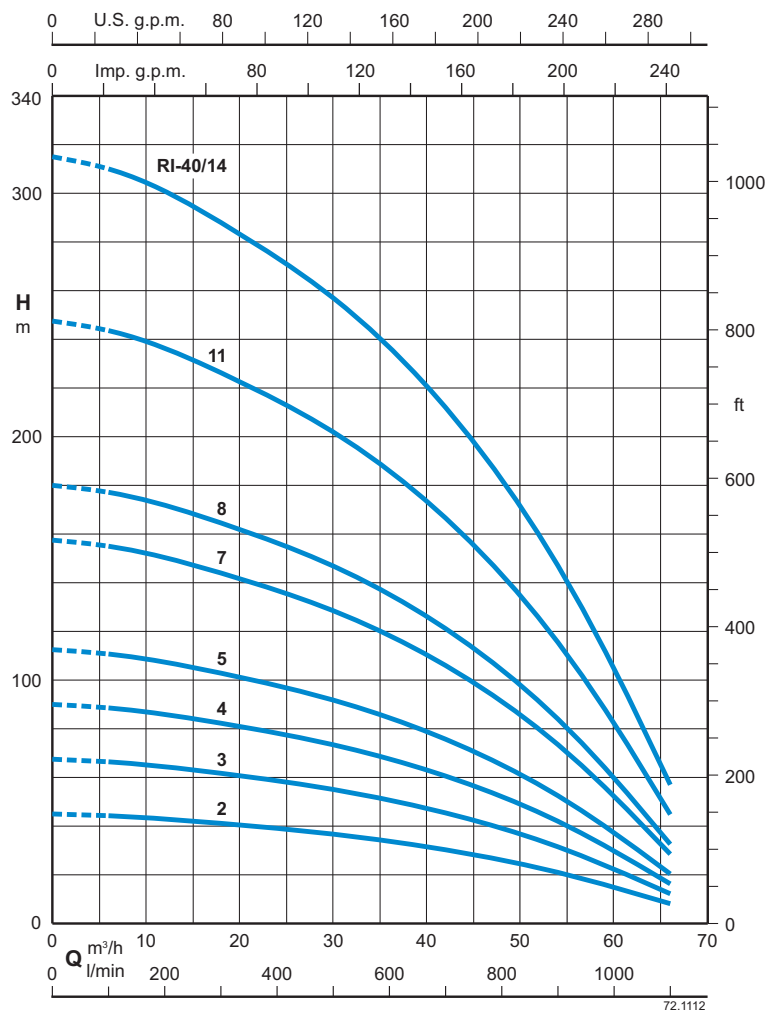
TYPE	MOTOR		Q m³/h	DELIVERY												H mm	kg
				0	6	12	18	24	30	33	36	39	42	48	54		
	kW	HP	l/min	0	100	200	300	400	500	550	600	650	700	800	900		
RI-35/2	5,5	7,5	H m HEAD	43	42	40	39	35	33	30	29	25	23	16	8	495	17
RI-35/3	7,5	10		65	63	60	57	52	47	45	41	37	33	23	13	605	20
RI-35/4	9,2	12,5		87	83	79	74	69	62	60	55	50	45	33	17	715	22
RI-35/5	11	15		109	105	100	94	87	79	75	68	62	56	40	21	825	24
RI-35/7	15	20		152	147	140	131	121	109	105	95	87	78	57	30	1040	28,5
RI-35/9	18,5	25		196	188	179	167	153	137	135	118	112	95	69	39	1260	33,5
RI-35/10	22	30		218	210	200	186	173	156	150	136	125	112	83	43	1370	35,5
RI-35/14	30	40		305	291	277	260	240	218	210	191	175	158	117	61	1800	43,5

The encumbered dimensions and weight are indicative.

RI-40

6" SUBMERSIBLE PUMPS
WITH STAINLESS STEEL CASING

60 Hz - $n \approx 3450$ rpm



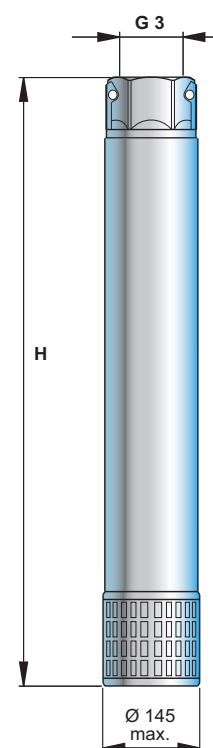
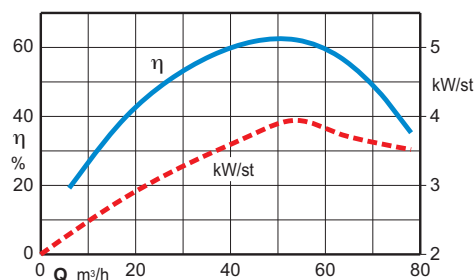
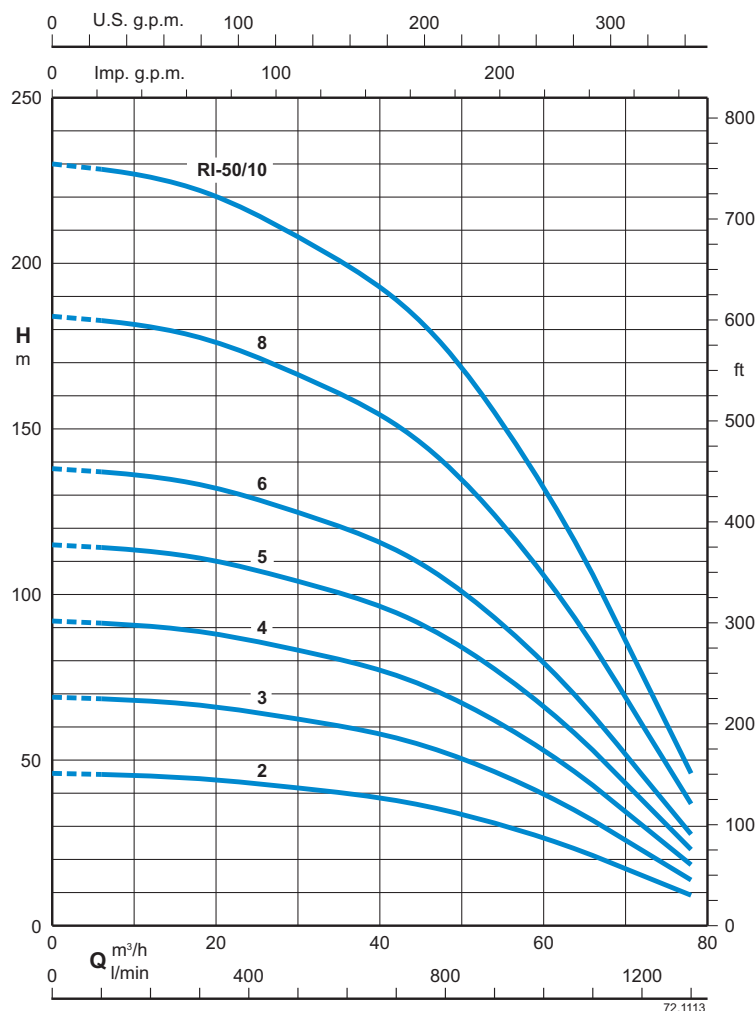
TYPE	MOTOR		Q m³/h l/min	DELIVERY												H mm	kg
				0	6	12	18	24	30	36	42	48	54	60	66		
	kW	HP		0	100	200	300	400	500	600	700	800	900	1000	1100		
RI-40/2	5,5	7,5	H m HEAD	45	44	43	41	39	37	34	31	27	21	15	8	495	17
RI-40/3	9,2	12,5		68	66	64	62	59	55	51	45	39	32	22	12	605	20
RI-40/4	11	15		91	88	86	82	79	74	68	61	51	41	29	16	715	22
RI-40/5	15	20		113	110	107	103	98	92	85	75	65	52	37	20	825	24
RI-40/7	18,5	25		159	153	149	144	137	129	119	106	91	73	51	28	1040	28,5
RI-40/8	22	30		181	177	172	165	157	148	135	121	104	83	60	32	1150	31
RI-40/11	30	40		249	244	237	228	216	203	187	166	142	115	82	45	1475	38,5
RI-40/14	37	50		317	310	300	288	275	257	237	212	183	147	104	57	1800	43,5

The encumbered dimensions and weight are indicative.

RI-50

6" SUBMERSIBLE PUMPS
WITH STAINLESS STEEL CASING

60 Hz - $n \approx 3450$ rpm

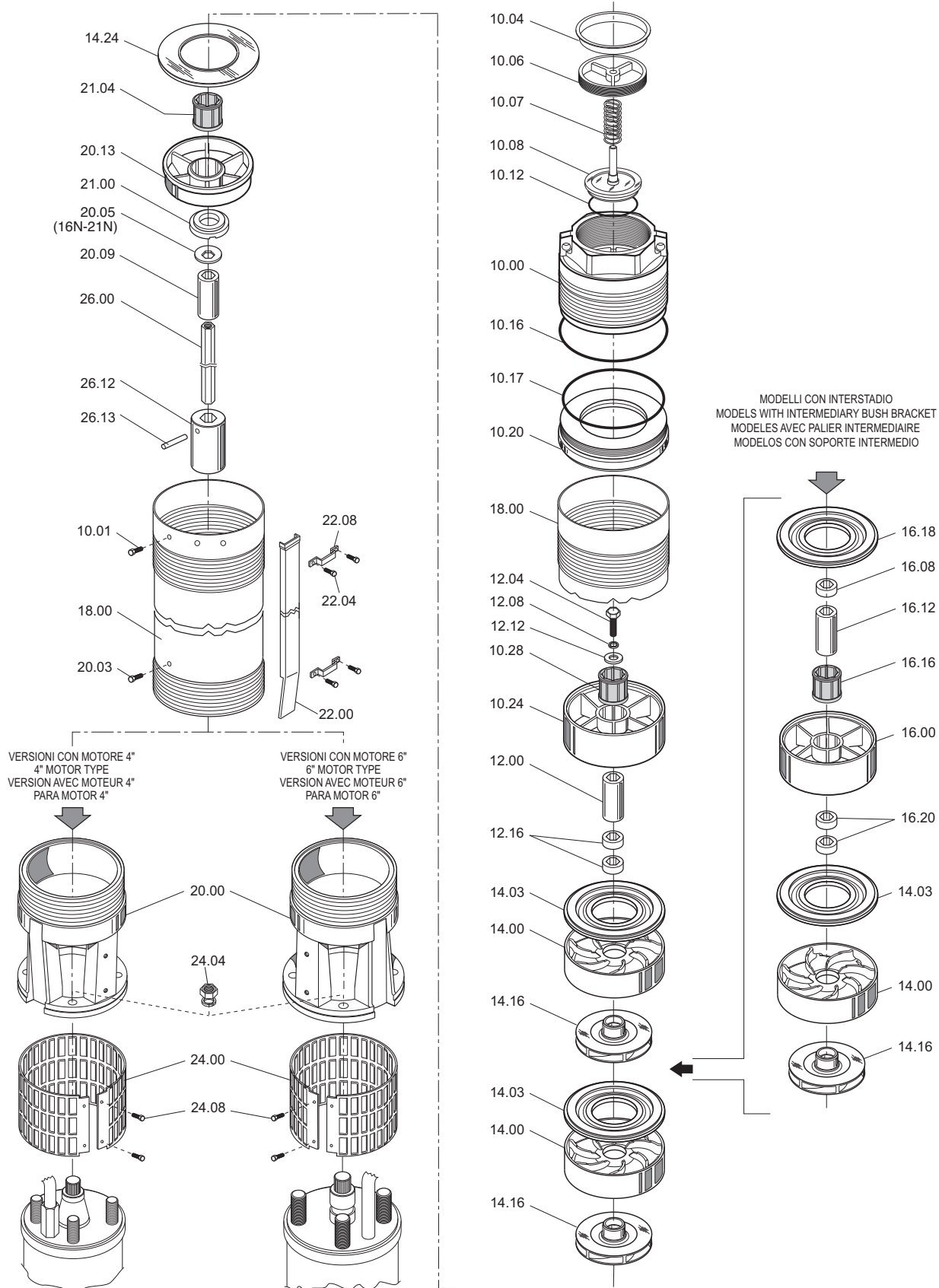


TYPE	MOTOR		Q m³/h	DELIVERY												H mm	kg
	kW	HP		l/min	0	12	24	30	36	42	48	54	60	66	72		
			0		200	400	500	600	700	800	900	1000	1100	1200	1300		
RI-50/2	7,5	10	H m HEAD	46	45	42	41	40	37	34	30	26	20	15	9	495	17
RI-50/3	11	15		69	67	64	62	59	56	51	46	39	31	22	13	605	20
RI-50/4	15	20		93	88	84	82	78	73	68	61	51	40	30	18	715	22
RI-50/5	18,5	25		116	112	106	103	98	93	86	77	65	51	38	23	825	24
RI-50/6	22	30		139	135	129	122	118	113	104	93	79	63	45	27	930	26
RI-50/8	30	40		185	181	171	166	158	149	137	123	105	84	60	36	1150	31
RI-50/10	37	50		232	226	216	208	198	189	173	155	132	106	76	46	1370	36,5

The encumbered dimensions and weight are indicative.

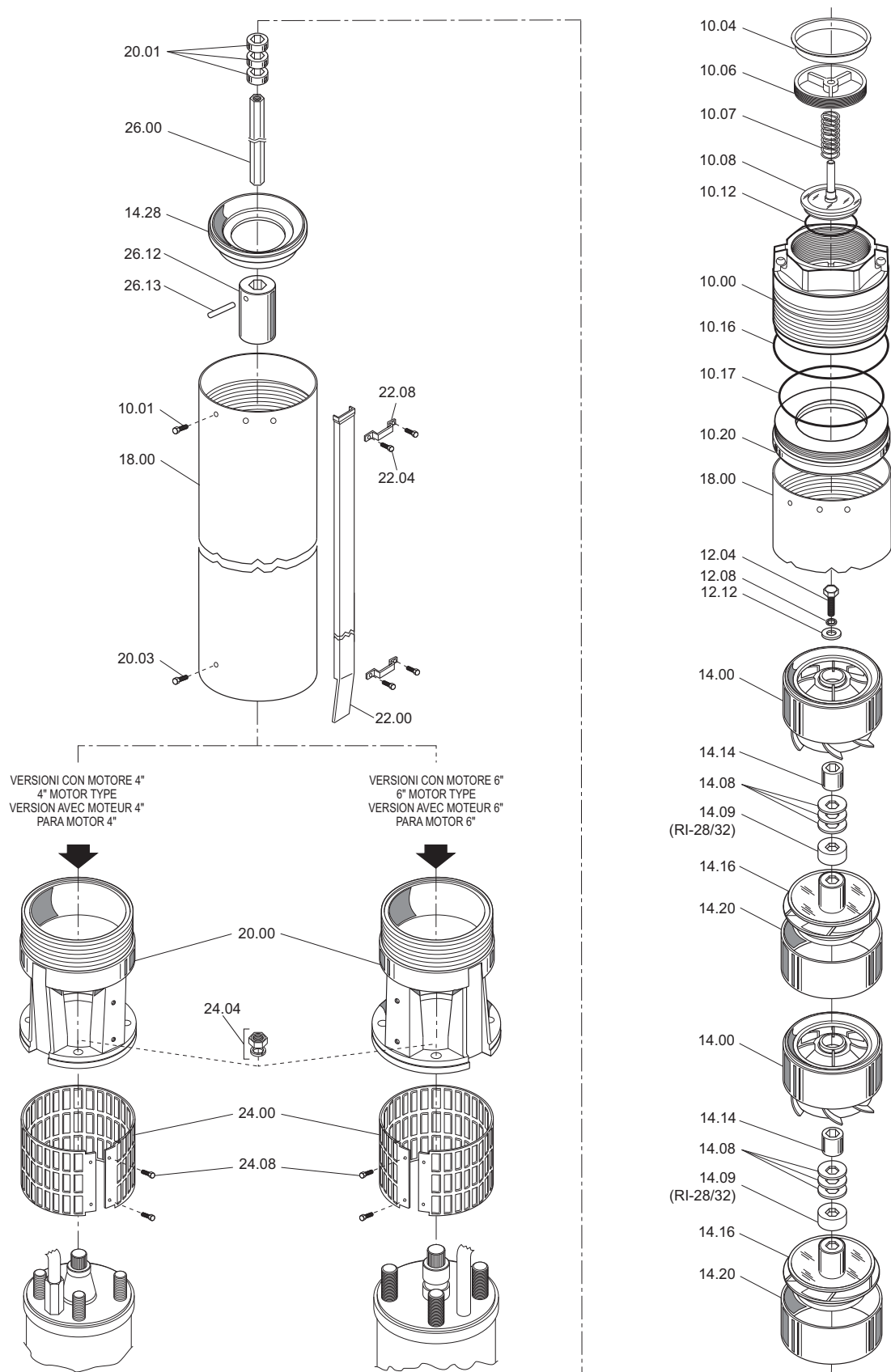
RI-14/19/25

Drawing for dismantling and assembly



RI-35/40/50

Drawing for dismantling and assembly



Pump parts list

COD.	QT	DESCRIPTION
10.00	1	delivery casing
10.01	*	screw
10.04	1	thread protection plug
10.06	1	valve guide
10.07	1	valve spring
10.08	1	valve
10.12	1	o-ring
10.17	2	o-ring
10.20	1	valve seat
10.24	1	bushing support
10.28	1	bushing
12.00	1	head bush
12.04	1	screw
12.08	1	grower washer
12.12	1	pressure washer
12.16	*	spacer bush
14.00	*	diffusor
14.08	*	shim
14.09	*	spacer bush
14.14	*	stage bush
14.16	*	impeller
14.20	*	inox wearing
14.24	*	diffuser disc
14.28	1	stages support
* depends on pump type		

To order spare parts, please specify :

- description,
- reference number,
- pump type

COD.	QT	DESCRIPTION
16.00	1	bushing support
16.08	1	spacer bush
16.12	1	intermediary bush
16.16	1	bushing
16.18	1	diffuser disc
16.20	1	spacer bush
18.00	1	shell
20.00	1	suction casing
20.01	*	spacer bush
20.03	*	screw
20.09	1	lower bush
21.00	1	friction ring
21.04	1	bushing
22.00	1	wire cover
22.04	1	screw
22.08	1	clamp
24.00	1	suction screen
24.08	2	screw
26.00	1	shaft
26.12	1	coupling
26.13	1	pin
16.04	*	shim
20.05	*	shim
21.02	1	bushing ring
20.07	1	spacer bush
20.08	1	spacer bush
* depends on pump type		