

4"R *Vera*™ - BOREHOLE 4"R 4-inch REGENERATIVE MULTIVANE TURBINE PERIPHERAL SUBMERSIBLE BOREHOLE CLOSE-COUPLED ELECTRIC PUMPS for min. 4-inch wells COMPLETE WITH 2 POLE MOTORS

Applications

Pumping of clean water in domestic applications from boreholes and wells, agricultural, industry, processing of drinking water distribution.

Suitable to replace standard surface pumps, carrying the advantages of lesser space needed, less maintenance and complete absence of noise.

For domestic, industrial and agricultural applications, in all cases where it is requested to lift water out from below the ground and to push it above with pressure.

Provided that the pump is never left in a dry condition, its anti-seizing design ensures that the impeller does not jam after a period of non-operation.



TYPES		HP	kW	DNm Ø	Q= Performance at 2900 rpm											Impellers material	no of Impellers	Pump Head Construction	Electropump Height in mms	Weight in kg
1~ 230V 50Hz	3~ 400V 50Hz				m³/h	0	0,3	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7					
4000-R	4000-RT	0,75	0,55	1"	Hm =	49	45	41	36	31	26	21	16	11	5	brass stamped	1	cast iron	439	12,5
4100-R	4100-RT	1	0,75	1"	Total head in	68	62	49	42	37	30	23	16	10	6	brass stamped	1	cast iron	464	13,5
4200-R	4200-RT	1,5	1,1	1"	meters w.c.	115	102	78	67	58	48	37	25	15	7	brass stamped	2	cast iron	525	15

• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

• Tolerances according to ISO 9906, Annex A.

- Supplied with Control Box and 10mt cable

- OPTIONAL: Longer cable lengths.

4"

Vera™ - SUBMERSIBLE MULTISTAGE BOREHOLE ELECTRIC PUMPS FOR DEEP WELLS for min. 4-inch COMPLETE WITH 2 POLE MOTORS TO NEMA STANDARD.

PUMP CONSTRUCTION - Executions:

P = noryl and polycarbonate corrosion and abrasion resistant and non toxic with Pump and Motor Casing in Stainless Steel.

Pump Head and Motor Bracket in in Brass. (On demand Pump Head and Motor Bracket in Stainless Steel).

S = All Stainless Steel

F = floating impeller sand resistant reduces sand locking: executions for superior sand handling able to handle a tolerable quantity of sand.

SUBMERSIBLE ELECTRIC MOTORS - 4-inch

- Rewindable

- Oil cooled (prefilled with food grade additives to protect against freeze and rust).

INNOVATIONS AND SPECIALTIES

On demand all wetted parts available with grade 304 or 316 stainless steel.

Executions for superior sand handling able to handle a tolerable quantity of sand.

INTELLIGENT CONTROL SYSTEMS

All pumps can be supplied with Protection and Control Boxes: Panel-Starters, Intelligent control systems, Electric-Electronic Controls Panels also with Variable Speed Inverters.



TYPES		HP	KW	DNm Ø	Q = Performance at 2900 rpm																								Impeller material	F = floating sand resistant types	Impeller RA=radial MF=mixed flow	No of impellers	Electropump Height in mms	Weight in kg			
1~ 230V 50Hz	3~ 400V 50Hz				m³/h	0	0,3	0,6	1,2	1,8	2,1	2,4	3	3,6	4,2	4,8	5,4	6	7,8	9	12	13,5	15	18	21	24											
		l/m																																			
4000-P	4000-PT	0,33	0,25	1" 1/4	55	53	47	34	14																		Noryl		RA	12	810	10,90					
4005-FP	4005-FPT	0,5	0,37	1" 1/4	87	80	72	43																			Noryl	F	RA	13	702	10,70					
4010-S	4010-ST	0,5	0,37	1" 1/4	81	78	70	39																			Stainless Steel		RA	14	786	10,70					
4015-P	4015-PT	0,5	0,37	1" 1/4	80	77	69	47	19																		Noryl		RA	18	930	11,60					
4020-FP	4020-FPT	0,5	0,37	1" 1/4	66	65	62	50	31	17																	Noryl	F	RA	11	633	10,30					
4025-FP	4025-FPT	0,5	0,37	1" 1/4	69	65	57	34																			Noryl	F	RA	10	649	10,30					
4030-P	4030-PT	0,5	0,37	1" 1/4	59	56	53	45	35	29	21																Noryl		RA	11	790	10,80					
4035-FP	4035-FPT	0,5	0,37	1" 1/4	51	50	49	45	38	33	27	7															Noryl	F	RA	8	780	10,90					
4040-S	4040-ST	0,5	0,37	1" 1/4	53	49	46	28																			Stainless Steel		RA	9	681	9,90					
4045-S	4045-ST	0,5	0,37	1" 1/4	54			46	39	34	27																Stainless Steel		RA	9	681	10,00					
4050-FP	4050-FPT	0,5	0,37	1" 1/4	46	45	44	41	36	32	28	16															Noryl	F	RA	7	586	9,70					
4055-FP	4055-FPT	0,5	0,37	1" 1/4	47			43	37	34	30	23															Noryl	F	RA	7	596	9,80					
4060-FP	4060-FPT	0,5	0,37	1" 1/4	35			34	33	32	31	28	24	19													Noryl	F	RA	5	555	9,30					
4065-FP	4065-FPT	0,5	0,37	1" 1/4	36			34	32	31	29	24	19	14	8												Noryl	F	RA	5	710	10,30					
4070-FP	4070-FPT	0,5	0,37	1" 1/4	35			33	31	30	29	25	20	14													Noryl	F	RA	5	561	9,50					
4075-S	4075-ST	0,5	0,37	1" 1/4	39				33	32	31	27	23	15													Stainless Steel		RA	6	618	9,40					
4080-P	4080-PT	0,5	0,37	1" 1/4	32			30	28	27	26	24	22	18	14	10											Noryl		RA	5	735	10,20					
4085-FP	4085-FPT	0,5	0,37	1" 1/4					29	28	27	25	22	19	14	9	4										Noryl	F	RA	5	582	9,70					
4090-FP	4090-FPT	0,5	0,37	1" 1/4	30				27	26	25	24	22	19	16	13											Noryl	F	RA	4	535	9,00					
4095-S	4095-ST	0,5	0,37	1" 1/2	26				24	23	22	21	20	18	16	14	11										Stainless Steel		RA	4	576	9,00					
40100-FP	40100-FPT	0,5	0,37	1" 1/2	27					24	23	22	20	18	15	12	8										Noryl	F	RA	4	572	9,40					

4" Vera™ - SUBMERSIBLE MULTISTAGE BOREHOLE ELECTRIC PUMPS FOR DEEP WELLS for min. 4-inch COMPLETE WITH 2 POLE MOTORS TO NEMA STANDARD.

TYPES		HP	KW	DNm Ø	Q = Performance at 2900 rpm																				Impeller material	F = floating sand resistant types	Impeller RA=radial MF=mixed flow	No of impellers	Electropump Height in mms	Weight in kg		
1~ 230V 50Hz	3~ 400V 50Hz				m³/h	0	0,3	0,6	1,2	1,8	2,1	2,4	3	3,6	4,2	4,8	5,4	6	7,8	9	12	13,5	15	18							21	24
					l/m	0	5	10	20	30	35	40	50	60	70	80	90	100	130	150	200	225	250	300							350	400
4100-FP	4100-FPT	0,75	0,55	1" 1/4	129	121	108	62																	Noryl	F	RA	19	806	12,30		
4105-S	4105-ST	0,75	0,55	1" 1/4	121	115	103	60																	Stainless Steel		RA	21	933	12,60		
4110-P	4110-PT	0,75	0,55	1" 1/4	122	114	101	69	27																Noryl		RA	27	1105	13,50		
4115-FP	4115-FPT	0,75	0,55	1" 1/4	101	99	95	78	47	26															Noryl	F	RA	17	735	12,00		
4120-S	4120-ST	0,75	0,55	1" 1/4	104	98	90	54																	Stainless Steel		RA	18	870	12,00		
4125-FP	4125-FPT	0,75	0,55	1" 1/4	85	83	81	74	62	54	42	9													Noryl	F	RA	13	895	12,20		
4130-P	4130-PT	0,75	0,55	1" 1/4	83	80	77	67	50	40	30														Noryl		RA	16	890	12,00		
4135-FP	4135-FPT	0,75	0,55	1" 1/4	73	72	70	64	57	50	43	24													Noryl	F	RA	11	666	11,10		
4140-S	4140-ST	0,75	0,55	1" 1/4	79			66	56	47	39														Stainless Steel		RA	13	765	11,40		
4145-FP	4145-FPT	0,75	0,55	1" 1/4	71			65	57	51	45	30													Noryl	F	RA	10	649	10,90		
4150-FP	4150-FPT	0,75	0,55	1" 1/4	56			53	50	47	44	39	31	20											Noryl	F	RA	8	614	10,50		
4155-FP	4155-FPT	0,75	0,55	1" 1/4	51			48	46	45	44	38	31	22	9										Noryl	F	RA	7	755	11,30		
4160-S	4160-ST	0,75	0,55	1" 1/4	59			48	47	45	39	31	20												Stainless Steel		RA	9	681	10,60		
4165-FP	4165-FPT	0,75	0,55	1" 1/4	48			46	45	44	42	38	33	26											Noryl	F	RA	7	595	10,30		
4170-FP	4170-FPT	0,75	0,55	1" 1/4	47			43	42	41	38	34	29	22	14	8									Noryl	F	RA	7	626	10,60		
4175-P	4175-PT	0,75	0,55	1" 1/4	45			42	40	39	38	35	31	27	21	13									Noryl		RA	7	800	11,60		
4180-FP	4180-FPT	0,75	0,55	1" 1/4	43			40	39	38	36	32	28	24	18										Noryl	F	RA	6	575	9,90		
4185-FP	4185-FPT	0,75	0,55	1" 1/2	39				37	36	34	31	27	23	19	13									Noryl	F	RA	6	621	10,50		
4190-P	4190-PT	0,75	0,55	2"	38			36	35	34	33	31	30	29	27	25	23	17	13						Noryl		MF	5	850	11,80		
4195-S	4195-ST	0,75	0,55	1" 1/2	39				35	34	33	31	29	27	25	21	17								Stainless Steel		RA	6	618	10,00		
4200-FP	4200-FPT	1	0,75	1" 1/4	177	164	145	83																		Noryl	F	RA	26	992	14,50	
4205-S	4205-ST	1	0,75	1" 1/4	162	157	141	80																		Stainless Steel		RA	28	1105	14,90	
4210-P	4210-PT	1	0,75	1" 1/4	162	153	136	92	36																	Noryl		RA	37	1330	15,80	
4215-FP	4215-FPT	1	0,75	1" 1/4	131	128	124	100	61	33																Noryl	F	RA	22	845	14,10	
4220-P	4220-PT	1	0,75	1" 1/4	112	109	105	91	71	59	41															Noryl		RA	22	1035	13,80	
4225-FP	4225-FPT	1	0,75	1" 1/4	108	107	106	97	79	64	49	12														Noryl	F	RA	17	1015	13,90	
4230-FP	4230-FPT	1	0,75	1" 1/4	98	97	94	87	77	68	59	33														Noryl	F	RA	15	771	13,00	
4235-S	4235-ST	1	0,75	1" 1/4	106			91	76	66	53															Stainless Steel		RA	18	895	13,40	
4240-FP	4240-FPT	1	0,75	1" 1/4	94			85	76	69	62	43														Noryl	F	RA	14	744	12,60	
4245-FP	4245-FPT	1	0,75	1" 1/4	75			71	67	64	60	51	39	28	10											Noryl	F	RA	10	850	12,80	
4250-FP	4250-FPT	1	0,75	1" 1/4	74			70	66	63	60	50	39	27												Noryl	F	RA	11	692	12,10	
4255-FP	4255-FPT	1	0,75	1" 1/4	68			66	65	63	61	56	47	36												Noryl	F	RA	10	680	12,00	
4260-S	4260-ST	1	0,75	1" 1/4	79			66	64	60	54	44	29													Stainless Steel		RA	12	769	12,30	
4265-P	4265-PT	1	0,75	1" 1/4	68		65	62	58	55	53	47	42	35	26	17										Noryl		RA	10	920	13,30	
4270-FP	4270-FPT	1	0,75	1" 1/4	61			56	55	53	49	44	38	29	21	11										Noryl	F	RA	9	694	12,00	
4275-FP	4275-FPT	1	0,75	1" 1/4	58			54	53	51	47	42	37	32	24											Noryl	F	RA	8	640	11,40	
4280-FP	4280-FPT	1	0,75	1" 1/2	52				48	47	44	40	36	31	25	19										Noryl	F	RA	8	695	12,00	
4285-P	4285-PT	1	0,75	2"	49			47	46	45	44	43	41	40	37	35	32	23	16							Noryl		MF	7	980	12,70	
4290-S	4290-ST	1	0,75	1" 1/2	53			46	45	44	42	40	37	34	29	24										Stainless Steel		RA	8	685	11,50	
4295-FP	4295-FPT	1	0,75	2"	43						37	35	33	31	29	26	16									Noryl	F	RA	7	740	12,40	
42100-FP	42100-FPT	1	0,75	2"	36					32	31	30	29	28	27	25	19	14								Noryl	F	MF	5	673	11,90	
42105-P	42105-PT	1	0,75	2"	32				31	30	30	30	29	28	28	27	26	23	20	11						Noryl		MF	4	825	12,60	
42110-S	42110-ST	1	0,75	2"	31					29	28	27	26	25	24	23	21	18								Stainless Steel		RA	5	762	13,00	
42115-FP	42115-FPT	1	0,75	2"	27									25	24	23	21	19	13							Noryl	F	RA	4	644	11,50	

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TYPES		HP	KW	DNm Ø	Q = Performance at 2900 rpm																				Impeller material	F = floating sand resistant types	Impeller RA=radial MF=mixed flow	No of impellers	Electropump Height in mms	Weight in kg			
1~ 230V 50Hz	3~ 400V 50Hz				m³/h	0	0,3	0,6	1,2	1,8	2,1	2,4	3	3,6	4,2	4,8	5,4	6	7,8	9	12	13,5	15	18							21	24	
l/m	0				5	10	20	30	35	40	50	60	70	80	90	100	130	150	200	225	250	300	350	400									
4300-S	4300-ST	1,5	1,1	1" 1/4	248	241	208	121																			Stainless Steel		RA	42	1457	21,60	
4305-FP	4305-FPT	1,5	1,1	1" 1/4	260	241	214	120																			Noryl	F	RA	38	1249	18,50	
4310-P	4310-PT	1,5	1,1	1" 1/4	241	226	200	138	50																		Noryl		RA	55	1760	20,00	
4315-S	4315-ST	1,5	1,1	1" 1/4	209	199	180	106																			Stainless Steel		RA	36	1331	20,20	
4320-FP	4320-FPT	1,5	1,1	1" 1/4	189	186	179	146	88	48																	Noryl	F	RA	32	1050	17,50	
4325-FP	4325-FPT	1,5	1,1	1" 1/4	164	162	158	142	119	99	78	16															Noryl	F	RA	26	1260	17,10	
4330-P	4330-PT	1,5	1,1	1" 1/4	161	157	150	130	101	81	60																Noryl		RA	32	1265	16,70	
4335-FP	4335-FPT	1,5	1,1	1" 1/4	142			130	114	104	92	62															Noryl	F	RA	20	884	15,20	
4340-S	4340-ST	1,5	1,1	1" 1/4	139			121	100	86	71																Stainless Steel		RA	23	1035	16,00	
4345-FP	4345-FPT	1,5	1,1	1" 1/4	112			105	98	94	89	78	64	44	17												Noryl	F	RA	15	1005	15,20	
4350-FP	4350-FPT	1,5	1,1	1" 1/4	109			104	97	91	85	72	56	34													Noryl	F	RA	16	815	14,50	
4355-FP	4355-FPT	1,5	1,1	1" 1/4	103			99	96	94	91	82	71	55													Noryl	F	RA	15	815	14,50	
4360-S	4360-ST	1,5	1,1	1" 1/4	118				99	96	92	82	69	46													Stainless Steel		RA	18	930	15,00	
4365-P	4365-PT	1,5	1,1	1" 1/4	99		96	93	87	85	81	74	63	54	40	27											Noryl		RA	15	1115	16,00	
4370-FP	4370-FPT	1,5	1,1	1" 1/4	95				88	85	83	78	70	60	48	34	21										Noryl	F	RA	14	837	14,40	
4375-S	4375-ST	1,5	1,1	1" 1/4	99				85	82	79	71	59	41													Stainless Steel		RA	15	867	14,50	
4380-FP	4380-FPT	1,5	1,1	1" 1/4	86				80	78	76	71	64	56	47	36											Noryl	F	RA	12	755	13,80	
4385-FP	4385-FPT	1,5	1,1	1" 1/2	79				74	73	70	65	59	50	42	32											Noryl	F	RA	12	818	14,40	
4390-S	4390-ST	1,5	1,1	1" 1/2	79				70	69	68	65	62	58	51	45	38										Stainless Steel		RA	12	804	13,90	
4395-P	4395-PT	1,5	1,1	2"	70				68	66	65	64	62	60	56	53	49	44	31	21							Noryl		MF	10	1175	16,00	
43100-FP	43100-FPT	1,5	1,1	2"	64								55	53	49	46	42	39	25								Noryl	F	RA	10	868	14,90	
43105-FP	43105-FPT	1,5	1,1	2"	56								51	49	47	45	43	41	39	30	21						Noryl	F	MF	8	823	14,50	
43110-P	43110-PT	1,5	1,1	2"	45				43	42	41	41	40	40	39	38	37	36	31	28	16						Noryl		MF	6	965	14,80	
43115-S	43115-ST	1,5	1,1	2"	42								39	38	37	36	35	34	33								Stainless Steel		RA	7	881	15,60	
43120-FP	43120-FPT	1,5	1,1	2"	40																						Noryl	F	RA	6	741	13,70	
43125-FP	43125-FPT	1,5	1,1	2"	39																						Noryl	F	MF	5	726	13,50	
4400-FP	4400-FPT	2	1,5	1" 1/4	254	250	242	197	119	65																		Noryl	F	RA	43	1271	21,20
4405-P	4405-PT	2	1,5	1" 1/4	229	224	216	188	140	113	82																	Noryl		RA	46	1575	20,30
4410-FP	4410-FPT	2	1,5	1" 1/4	208	206	201	182	144	117	84	18																Noryl	F	RA	34	1480	19,90
4415-FP	4415-FPT	2	1,5	1" 1/4	193	189	183	168	153	135	112	63																Noryl	F	RA	29	1121	19,00
4420-S	4420-ST	2	1,5	1" 1/4	200			178	147	127	105																	Stainless Steel		RA	33	1303	21,70
4425-S	4425-ST	2	1,5	1" 1/4	169			148	125	108	88																	Stainless Steel		RA	28	1175	18,60
4430-FP	4430-FPT	2	1,5	1" 1/4	146			139	131	125	118	102	81	50														Noryl	F	RA	21	939	17,00
4435-S	4435-ST	2	1,5	1" 1/4	163				137	131	127	116	92	62														Stainless Steel		RA	26	1112	18,10
4440-FP	4440-FPT	2	1,5	1" 1/4	142				135	130	123	117	101	80	56	22												Noryl	F	RA	20	1155	17,60
4445-FP	4445-FPT	2	1,5	1" 1/4	136				132	128	125	121	110	94	72													Noryl	F	RA	20	950	17,20
4450-P	4450-PT	2	1,5	1" 1/4	132		128	123	118	114	108	98	86	71	54	35												Noryl		RA	20	1315	18,80
4455-S	4455-ST	2	1,5	1" 1/4	146				123	118	113	99	82	56														Stainless Steel		RA	22	1049	17,50
4460-FP	4460-FPT	2	1,5	1" 1/4	123				114	111	108	100	90	77	62	43	26											Noryl	F	RA	18	958	16,70
4465-FP	4465-FPT	2	1,5	1" 1/4	114				107	105	101	94	85	74	63	48												Noryl	F	RA	16	870	16,30
4470-FP	4470-FPT	2	1,5	1" 1/2	104					100	98	94	88	79	70	59	47											Noryl	F	RA	16	962	17,00
4475-S	4475-ST	2	1,5	1" 1/2	110					98	96	95	90	86	79	72	65	56										Stainless Steel		RA	17	944	16,50
4480-P	4480-PT	2	1,5	2"	90				87	85	84	82	79	76	73	68	65	60	42	28								Noryl		MF	13	1370	18,60
4485-FP	4485-FPT	2	1,5	2"	92								79	76	73	70	65	61	38									Noryl	F	RA	14	1027	17,70
4490-FP	4490-FPT	2	1,5	2"	77								70	68	65	63	60	57	54	41	29							Noryl	F	MF	11	974	17,20

4" Vera™ - SUBMERSIBLE MULTISTAGE BOREHOLE ELECTRIC PUMPS FOR DEEP WELLS for min. 4-inch COMPLETE WITH 2 POLE MOTORS TO NEMA STANDARD.

TYPES		HP	KW	DNm Ø	Q = Performance at 2900 rpm																				Impeller material	F = floating sand resistant types	Impeller RA=radial MF=mixed flow	No of impellers	Electropump Height in mms	Weight in kg			
1~ 230V 50Hz	3~ 400V 50Hz				m³/h	0	0,3	0,6	1,2	1,8	2,1	2,4	3	3,6	4,2	4,8	5,4	6	7,8	9	12	13,5	15	18							21	24	
					l/m	0	5	10	20	30	35	40	50	60	70	80	90	100	130	150	200	225	250	300							350	400	
4495-P	4495-PT	2	1,5	2"	61			59	58	58	57	56	55	54	53	51	49	43	38	20						Noryl		MF	8	1105	17,10		
44100-S	44100-ST	2	1,5	2"	60						56	54	53	51	49	48	47									Stainless Steel		RA	10	1042	18,80		
44105-FP	44105-FPT	2	1,5	2"	53										49	48	47	42	38	25					Noryl	F	RA	8	838	16,00			
44110-FP	44110-FPT	2	1,5	2"	52										48	47	46	45	41	38	23				Noryl	F	MF	7	838	15,80			
44115-P	44115-PT	2	1,5	2"	43							41	40	39	39	38	38	36	34	30	27	25	20	14	6	Noryl		MF	7	1240	17,90		
44120-FP	44120-FPT	2	1,5	2"	46															38	36	33	26	22	17	Noryl	F	RA	7	954	17,30		
44125-S	44125-ST	2	1,5	2"	34															33	31	30	27	25	23	17	Stainless Steel		RA	5	925	17,00	
44130-FP	44130-FPT	2	1,5	2"	35																25	22	20	18	13	8	Noryl	F	MF	5	783	15,30	
4500-FP	4500-FPT	3	2,2	1" 1/4	369	362	347	283	172	92																	Noryl	F	RA	62	1644	26,90	
4505-FP	4505-FPT	3	2,2	1" 1/4	307	302	295	270	222	189	148	22															Noryl	F	RA	50	1900	24,50	
4510-P	4510-PT	3	2,2	1" 1/4	295	290	281	250	193	158	119																Noryl		RA	60	1945	24,60	
4515-FP	4515-FPT	3	2,2	1" 1/4	299			280	264	249	233	194	153	106	43												Noryl	F	RA	40	1670	22,90	
4520-FP	4520-FPT	3	2,2	1" 1/4	278	273	264	245	216	190	164	91															Noryl	F	RA	42	1430	23,80	
4525-S	4525-ST	3	2,2	1" 1/4	287			253	209	183	146																Stainless Steel		RA	48	1668	27,70	
4530-S	4530-ST	3	2,2	1" 1/4	240			210	175	150	122																Stainless Steel		RA	40	1500	25,70	
4535-FP	4535-FPT	3	2,2	1" 1/4	212			204	191	181	169	142	107	64													Noryl	F	RA	32	1219	21,30	
4540-FP	4540-FPT	3	2,2	1" 1/4	212			201	189	182	169	148	117	79	37												Noryl	F	RA	30	1435	21,40	
4545-FP	4545-FPT	3	2,2	1" 1/4	196			191	185	181	176	159	136	105													Noryl	F	RA	29	1180	21,20	
4550-P	4550-PT	3	2,2	1" 1/4	192		188	184	173	165	158	146	127	107	80	50											Noryl		RA	30	1685	23,20	
4555-S	4555-ST	3	2,2	1" 1/4	216				182	177	168	148	121	82													Stainless Steel		RA	33	1353	23,90	
4560-FP	4560-FPT	3	2,2	1" 1/4	179				165	161	156	144	130	112	89	63	36										Noryl	F	RA	27	1237	20,40	
4565-FP	4565-FPT	3	2,2	1" 1/4	169				160	157	151	141	127	112	94	72											Noryl	F	RA	24	1080	20,00	
4570-S	4570-ST	3	2,2	1" 1/4	190				159	152	146	130	106	72													Stainless Steel		RA	29	1246	21,00	
4575-FP	4575-FPT	3	2,2	1" 1/2	154					145	143	135	125	114	99	82	64										Noryl	F	RA	24	1247	20,80	
4580-S	4580-ST	3	2,2	1" 1/2	160				141	140	136	130	124	116	106	92	80										Stainless Steel		RA	25	1162	20,20	
4585-P	4585-PT	3	2,2	2"	132			128	123	121	120	117	111	107	100	94	87	63	46								Noryl		MF	19	1735	22,70	
4590-S	4590-ST	3	2,2	1" 1/2	137				121	118	116	111	106	98	89	79	69										Stainless Steel		RA	21	1078	19,50	
4595-FP	4595-FPT	3	2,2	2"	128							110	105	99	94	88	82	53									Noryl	F	RA	20	1301	21,70	
45100-FP	45100-FPT	3	2,2	2"	110							101	98	94	90	86	82	77	60	41							Noryl	F	MF	16	1216	21,00	
45105-P	45105-PT	3	2,2	2"	87			85	84	83	83	82	81	79	77	75	73	64	54	25							Noryl		MF	12	1365	20,50	
45110-S	45110-ST	3	2,2	2"	89							82	80	78	76	74	72	70									Stainless Steel		RA	15	1302	23,50	
45115-FP	45115-FPT	3	2,2	2"	84																						Noryl	F	RA	13	1043	19,70	
45120-FP	45120-FPT	3	2,2	2"	74																						Noryl	F	MF	10	1003	19,00	
45125-S	45125-ST	3	2,2	2"	73						67	65	63	62	60	59	57										Stainless Steel		RA	12	1176	22,00	
45130-P	45130-PT	3	2,2	2"	62																						Noryl		MF	10	1525	21,50	
45135-FP	45135-FPT	3	2,2	2"	66																						Noryl	F	RA	10	1160	20,90	
45140-S	45140-ST	3	2,2	2"	47																						Stainless Steel		RA	7	1105	20,50	
45145-FP	45145-FPT	3	2,2	2"	52																						Noryl	F	RA	8	1146	20,50	
45150-FP	45150-FPT	3	2,2	2"	54																						Noryl	F	MF	8	962	18,60	
	4600-FPT	4	3	1" 1/4	370	364	352	326	287	253	219	122																Noryl	F	RA	56	1658	25,10
	4605-FPT	4	3	1" 1/4	365		357	348	334	323	307	267	218	154	82													Noryl	F	RA	50	1848	23,10
	4610-FPT	4	3	1" 1/4	272			265	256	250	243	220	189	143														Noryl	F	RA	40	1347	21,90
	4615-PT	4	3	1" 1/4	254		249	242	228	220	213	192	167	140	105	70												Noryl		RA	40	1953	24,00
	4620-ST	4	3	1" 1/4	295				249	238	230	203	166	113														Stainless Steel		RA	45	1553	25,50

4" Vera™ - SUBMERSIBLE MULTISTAGE BOREHOLE ELECTRIC PUMPS FOR DEEP WELLS for min. 4-inch COMPLETE WITH 2 POLE MOTORS TO NEMA STANDARD.

TYPES		HP	KW	DNm Ø	Q = Performance at 2900 rpm																				Impeller material	F = floating sand resistant types	Impeller RA=radial MF=mixed flow	No of impellers	Electropump Height in mms	Weight in kg																															
1~ 230V 50Hz	3~ 400V 50Hz				m³/h	0	0,3	0,6	1,2	1,8	2,1	2,4	3	3,6	4,2	4,8	5,4	6	7,8	9	12	13,5	15	18							21	24																													
		l/m																																																											
4625-FPT	4	3	1" 1/4	237				218	214	207	194	175	152	123	89	51										Noryl	F	RA	35	1352	20,70																														
4630-ST	4	3	1" 1/4	256				218	210	200	176	141	96													Stainless Steel		RA	39	1427	24,00																														
4635-FPT	4	3	1" 1/4	227				214	209	202	189	170	148	125	95											Noryl	F	RA	32	1168	20,20																														
4640-FPT	4	3	1" 1/2	208				193	189	179	166	150	130	108	82											Noryl	F	RA	32	1383	21,50																														
4645-ST	4	3	1" 1/2	214				188	184	181	173	163	152	140	126	108										Stainless Steel		RA	33	1286	22,40																														
4650-PT	4	3	2"	166			160	157	155	153	147	142	134	127	119	110	72	31								Noryl		MF	24	2003	23,50																														
4655-FPT	4	3	2"	172							148	143	134	126	118	110	72									Noryl	F	RA	27	1466	22,40																														
4660-FPT	4	3	2"	153						141	135	130	124	119	113	106	81	57								Noryl	F	MF	22	1394	21,60																														
4665-PT	4	3	2"	125				122	120	119	118	116	115	111	108	104	100	88	74	36						Noryl		MF	17	1578	20,70																														
4670-ST	4	3	2"	106						100	97	95	92	90	88	85										Stainless Steel		RA	18	1376	23,60																														
4675-FPT	4	3	2"	110										100	98	96	85	77	47							Noryl	F	RA	17	1115	19,40																														
4680-FPT	4	3	2"	103									97	95	92	90	82	74	45							Noryl	F	MF	14	1106	18,90																														
4685-FPT	4	3	2"	109										94	92	89	82	76	54							Noryl	F	RA	18	1565	23,20																														
4690-PT	4	3	2"	84							80	79	78	76	75	73	69	65	56	49	44	33	22	8		Noryl		MF	14	1853	22,30																														
4695-FPT	4	3	2"	91											78	72	67	50	42	33						Noryl	F	RA	14	1407	21,40																														
46100-ST	4	3	2"	67											64	61	59	53	49	44	30					Stainless Steel		RA	10	1248	21,00																														
46105-FPT	4	3	2"	73													58	52	49	45	37	28	19			Noryl	F	RA	11	1298	20,90																														
46110-FPT	4	3	2"	76													55	47	43	38	28	17				Noryl	F	MF	11	1038	18,30																														
4700-FPT	5,5	4	1" 1/4	356				345	332	326	315	285	244	186													Noryl	F	RA	52	1637	26,70																													
4705-PT	5,5	4	1" 1/4	320			313	304	289	281	268	244	214	177	133	85											Noryl		RA	50	2368	29,30																													
4710-FPT	5,5	4	1" 1/4	330					300	291	284	263	237	203	164	121	72										Noryl	F	RA	48	1721	25,20																													
4715-FPT	5,5	4	1" 1/4	311					293	288	278	260	234	203	173	131											Noryl	F	RA	44	1477	25,00																													
4720-ST	5,5	4	1" 1/4	342					290	280	267	236	188	126													Stainless Steel		RA	52	1750	29,80																													
4725-FPT	5,5	4	1" 1/2	290					272	266	254	235	215	191	163	130											Noryl	F	RA	44	1764	26,50																													
4730-FPT	5,5	4	1" 1/4	291					266	261	253	235	209	176	143	102	61										Noryl	F	RA	44	1596	24,60																													
4735-ST	5,5	4	1" 1/2	286					254	248	244	231	220	208	192	170	147										Stainless Steel		RA	44	1567	27,70																													
4740-FPT	5,5	4	1" 1/2	259						238	233	221	208	186	163	134	105										Noryl	F	RA	40	1628	25,70																													
4745-ST	5,5	4	1" 1/2	248						218	213	209	199	189	177	162	145	126									Stainless Steel		RA	38	1441	26,20																													
4750-PT	5,5	4	2"	218						210	203	201	199	194	185	178	170	160	151	109	75						Noryl		MF	32	2478	28,40																													
4755-PT	5,5	4	2"	207						199	196	193	189	182	175	167	158	151	139	102	70						Noryl		MF	29	2318	27,50																													
4760-FPT	5,5	4	2"	226								195	186	177	168	158	146	94									Noryl	F	RA	36	1786	27,50																													
4765-FPT	5,5	4	2"	207								191	185	177	169	162	153	144	111	77							Noryl	F	MF	30	1752	26,70																													
4770-FPT	5,5	4	2"	212								182	175	166	157	146	135	87									Noryl	F	RA	34	1725	26,90																													
4775-PT	5,5	4	2"	179								173	170	169	167	162	158	154	150	145	139	121	105	51			Noryl		MF	24	2053	26,00																													
4780-PT	5,5	4	2"	163								158	156	154	152	149	147	144	141	135	130	113	97	46			Noryl		MF	22	1948	25,40																													
4785-PT	5,5	4	2"	146								142	139	137	136	134	131	129	126	123	117	100	86	40			Noryl		MF	20	1843	24,80																													
4790-FPT	5,5	4	2"	151																							Noryl	F	RA	23	1389	23,70																													
4795-ST	5,5	4	2"	147																							Stainless Steel		RA	25	1720	29,60																													
47100-FPT	5,5	4	2"	140																							Noryl	F	MF	19	1347	23,00																													
47105-FPT	5,5	4	2"	144																							Noryl	F	RA	24	1917	28,50																													
47110-FPT	5,5	4	2"	135																							Noryl	F	RA	21	1327	23,10																													
47115-ST	5,5	4	2"	125																							Stainless Steel		RA	21	1552	27,60																													
47120-FPT	5,5	4	2"	134																							Noryl	F	RA	22	1813	27,60																													
47125-PT	5,5	4	2"	115																							Noryl		MF	19	2293	27,30																													
47130-FPT	5,5	4	2"	123																							Noryl	F	RA	19	1663	26,30																													

4" Vera™ - SUBMERSIBLE MULTISTAGE BOREHOLE ELECTRIC PUMPS FOR DEEP WELLS for min. 4-inch COMPLETE WITH 2 POLE MOTORS TO NEMA STANDARD.

TYPES		HP	KW	DNm Ø	Q = Performance at 2900 rpm																				Impeller material	F = floating sand resistant types	Impeller RA=radial MF=mixed flow	No of impellers	Electropump Height in mms	Weight in kg		
1~ 230V 50Hz	3~ 400V 50Hz				m³/h	0	0,3	0,6	1,2	1,8	2,1	2,4	3	3,6	4,2	4,8	5,4	6	7,8	9	12	13,5	15	18							21	24
					l/m.	0	5	10	20	30	35	40	50	60	70	80	90	100	130	150	200	225	250	300							350	400
	47135-PT	5,5	4	2"	100						95	93	91	90	89	87	81	76	65	59	54	40	26	11	Noryl		MF	17	2133	26,30		
	47140-FPT	5,5	4	2"	109											92	85	79	61	51	38				Noryl	F	RA	17	1560	25,40		
	47145-ST	5,5	4	2"	86											82	79	76	69	64	58	39			Stainless Steel		RA	13	1493	25,50		
	47150-FPT	5,5	4	2"	100												80	72	68	63	51	40	28		Noryl	F	RA	15	1617	25,80		
	47155-FPT	5,5	4	2"	103												75	64	59	53	38	23			Noryl	F	MF	15	1260	22,20		
	47160-FPT	5,5	4	2"	83												68	60	56	51	42	33	23		Noryl	F	RA	13	1481	24,60		
	4800-FPT	7,5	5,5	2"	309						264	253	239	228	215	198	127									Noryl	F	RA	49	2340	34,50	
	4805-FPT	7,5	5,5	2"	274						253	247	235	225	216	204	193	147	103							Noryl	F	MF	40	2207	33,30	
	4810-PT	7,5	5,5	2"	222			217	212	211	208	202	197	193	186	182	172	149	129	62						Noryl		MF	30	2443	31,10	
	4815-ST	7,5	5,5	2"	219						203	199	193	187	181	178	173									Stainless Steel		RA	37	2291	38,90	
	4820-FPT	7,5	5,5	2"	199								188	183	178	175	160	143	87							Noryl	F	MF	27	1725	28,90	
	4825-FPT	7,5	5,5	2"	206									186	182	176	156	138	82							Noryl	F	RA	32	1776	29,60	
	4830-ST	7,5	5,5	2"	178					167	162	158	152	148	144	139										Stainless Steel		RA	30	2000	35,40	
	4835-FPT	7,5	5,5	2"	193									166	161	157	143	131	92							Noryl	F	RA	32	2404	35,60	
	4840-PT	7,5	5,5	2"	149						142	141	139	138	135	131	122	116	98	91	81	62	38	14		Noryl		MF	26	2973	34,20	
	4845-FPT	7,5	5,5	2"	168											140	128	119	89	74	57					Noryl	F	RA	26	2097	32,90	
	4850-ST	7,5	5,5	2"	121										114	108	104	95	88	79	56					Stainless Steel		RA	18	1888	32,00	
	4855-FPT	7,5	5,5	2"	127												102	91	85	79	67	53	38			Noryl	F	RA	20	2027	32,10	
	4860-FPT	7,5	5,5	2"	136												99	85	78	69	50	31				Noryl	F	MF	20	1649	27,30	
	4900-FPT	10	7,5	2"	343						317	308	296	283	269	255	240	184	128								Noryl	F	MF	50	2864	45,00
	4905-PT	10	7,5	2"	278				270	268	267	262	260	254	246	239	230	194	159	49							Noryl		MF	40	3292	44,00
	4910-FPT	10	7,5	2"	265									250	245	238	232	211	190	116						Noryl	F	MF	36	2343	40,20	
	4915-PT	10	7,5	2"	198							187	185	183	179	175	170	159	149	126	116	101	76	47	16		Noryl		MF	34	3940	46,30
	4920-ST	10	7,5	2"	167												158	150	145	132	122	110	77			Stainless Steel		RA	25	2615	44,80	
	4925-FPT	10	7,5	2"	158												142	133	128	115	109	103	90	71	47		Noryl	F	RA	26	2620	44,50
	4930-FPT	10	7,5	2"	184														134	115	106	93	69	41			Noryl	F	MF	27	2116	38,20

• Reduction in speed will result in a fall of performance. • DO NOT RUN PUMP DRY! • Tolerances according to ISO 9906, Annex A.

Pump Executions Legenda:

P = noryl and polycarbonate corrosion and abrasion resistant and non toxic with Pump and Motor Casing in Stainless Steel. Pump Head and Motor Bracket in in Brass. (On demand Pump Head and Motor Bracket in Stainless Steel).

S = All Stainless Steel

F = floating impeller sand resistant reduces sand locking: executions for superior sand handling able to handle a tolerable quantity of sand.

- Built-in check non-return valve to protect the pump against water hammer.