



Franklin Electric

VS 4" SERIES 50 HZ

SUBMERSIBLE BOREHOLE PUMPS

NEW
DESIGN 2026



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NOTES: Franklin Electric reserves the right to amend specification without prior notice.
For the most up-to-date product information, visit franklinwater.eu.



VS4" Submersible borehole pumps

- Designed to operate efficiently with encapsulated and oil-filled submersible motors / NEMA Standard motor adapter

* For more information consult the product catalog of Submersible motors

- The hydraulic design enhances overall efficiency thus reducing energy consumption and making the pumping systems more cost effective
- Suitable for chemically and mechanically non aggressive liquids
- Flow: up to 24 m³/h at 50 Hz
- Head: up to 350 m at 50 Hz

MOTOR OPTIONS

- Cooling shroud (available on request)
- Different cable lengths for motors
- Sacrificial anode for motors
- Control panel and inverter

✓ **Compact and reliable**

✓ **Suited to operate in horizontal or vertical position**

Stainless-steel built-in check valve

to protect the pump against water hammer risk

Floating impellers

to grant a better performance and longer life for the pump against abrasion (VS1-2-3-4-6-8)

Impellers & bearing housing

POM (VS 1-2-3-4-6-8)
Polycarbonate (VS 10-15)

Name plate

laser marked

Screw-mounted coupling



Water Distribution



Irrigation
Sprinklers
Water treatment plants



Turf and landscape
Greenhouses and nurseries



Fire-fighting equipment



Pressure boosting



Residential and farm wells
and drainage



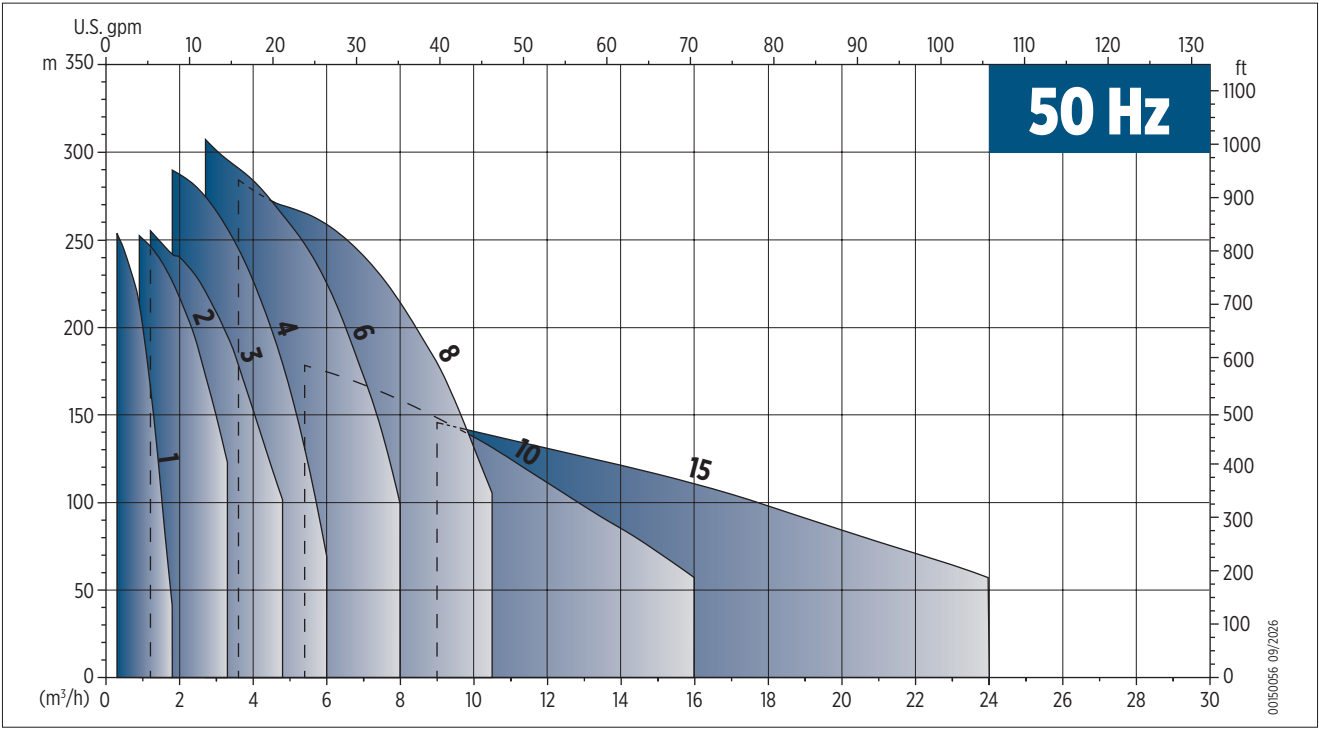
Water supply to and from
tanks, reservoir and wells



Fountains

VS 4" Submersible borehole pumps

FAMILY CURVES



PRODUCT IDENTIFICATION CODE

VS 2 / 12 - Y - R14 - M4 - 50 D P

- Rubber part material: "P" (NBR)
- DOL or Star/Delta: "D" (DOL, 1 cable guard)
- Frequency: "50" (50 Hz)
- Motor bracket dimension: "M4" (4)
- Type and dimension of threaded connection: "R14" (1 1/4 BSP), "R20" (2" BSP)
- Construction material versions: Stainless Steel + Noryl® or Polycarbonate
- Stages
- Flow [m³/h] / Model
- Pump model

00140105 1/2025

VS 4" Submersible borehole pumps

GENERAL FEATURES

Model	1	2	3	4	6	8	10	15
Number of stages	7-33	5-36	5-38	4-44	7-56	5-56	5-32	8-25
Impeller Type	Radial						Semi axial	
Maximum liquid temperature	40°C							
Application range [m³/h]:	0,3-1,6	0,9-3,3	1,2-4,8	1,8-6	2,7-8	3,6-10,5	5,4-16	9,0-24,0
Motor power range [kW]	0,37-1,5	0,37-2,2	0,37-3	0,37-4	0,75-5,5	0,75-7,5	1,1-7,5	2,2-7,5
Max head at minimum flow [m]	253	255	253	290	306	283	178	128
Shutoff [m]	262	256	268	310	351	339	194	154
Hydraulic connections (Dimensions)	1"1/4 BSP				2" BSP			
Maximum allowable amount of sand	100 g/m³							
Rotation	Counter clockwise when looking into the discharge							
Operation	Vertical/Horizontal							

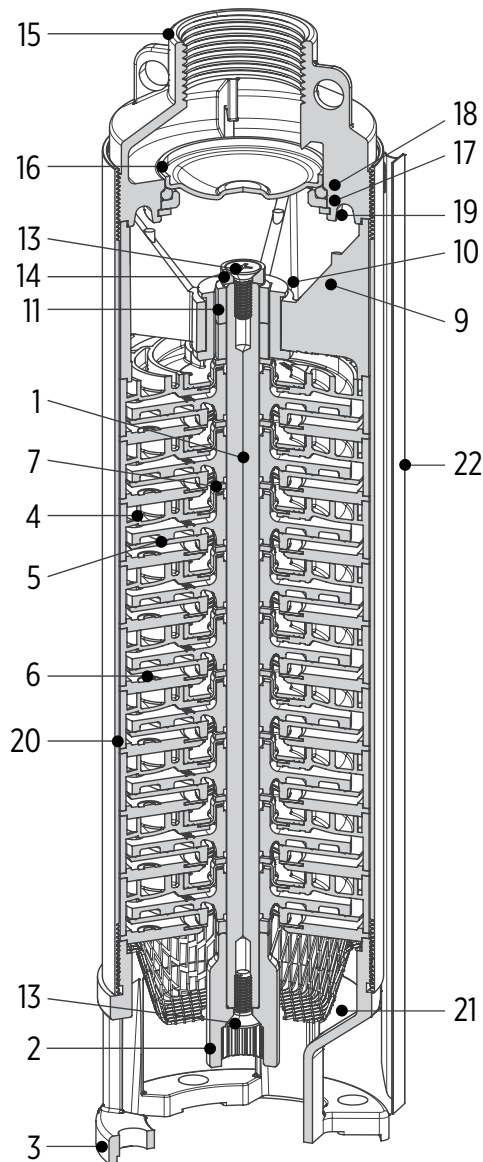
PUMP RATING PLATE

SUBMERSIBLE PUMP	
MODEL A	Serial Num. B
Stage C	D Hz
Q min E m³/h	H max F m
Q max G m³/h	H min H m
Rpm I r/min	Dia. J
Weight K kg	Power L kW M Hp
Manu.Da. N	Outlet O
Imported by Franklin Electric S.r.l. Via Asolo, 7 36031 Dueville (VI) - ITALY P.IVA IT 00558130241	

- Model
- Serial number
- Number of stages
- Frequency [Hz]
- Min. flow rate
- Max. head
- Max. flow rate
- Min. head
- rpm
- Pump diameter (4")
- Weight [kg]
- Power [kW]
- Power [HP]
- Year of production
- Discharge connection (1" 1/4 or 2")
- Minimum Efficiency Index (MEI) (If complying)

VS 4" Submersible borehole pumps

VS 1



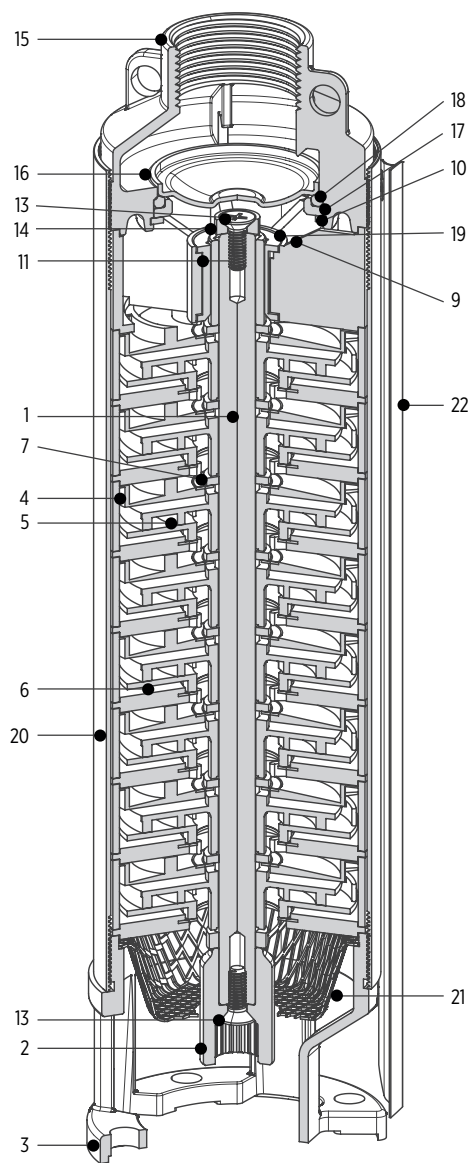
001303571/20.25

Ref. No.	Parts description **	Material	Reference standard	
			ANSI	EN
1	Shaft	Stainless Steel	AISI 304	1.4301
2	Coupling	Stainless Steel	AISI 304	1.4301
3	Motor support	Stainless Steel	AISI 304	1.4301
4	Diffuser	Noryl® * (VS 1)	-	-
5	Impeller	POM (VS 1-2-3-4-6-8)	-	-
6	Diffuser Cover	Noryl® * (VS 1)	-	-
7	Sealing gasket	Phenolic composite (VS 1)	-	-
9	Bearing housing	Noryl® * (VS 1)	-	-
10	Bearing bushing	Rubber	-	-
11	Bearing	Ceramic (VS 1)	-	-
13	Screw	Stainless Steel	AISI 316	1.4401
14	Washer	Stainless Steel	AISI 316	1.4401
15	Discharge	Stainless Steel	AISI 304	1.4301
16	Check valve disc	Stainless Steel	AISI 304	1.4301
17	Check valve ring	Stainless Steel	AISI 304	1.4301
18	Check valve O-ring	Rubber	-	-
19	Check valve snap ring	Stainless Steel	AISI 420	1.4021
20	Shell	Stainless Steel	AISI 304	1.4301
21	Strainer	Stainless Steel	AISI 304	1.4301
22	Cable guard	Stainless Steel	AISI 304	1.4301

* Noryl® is a Registered Trademark of G.E.

Parts and material

VS 2-3-4-6-8

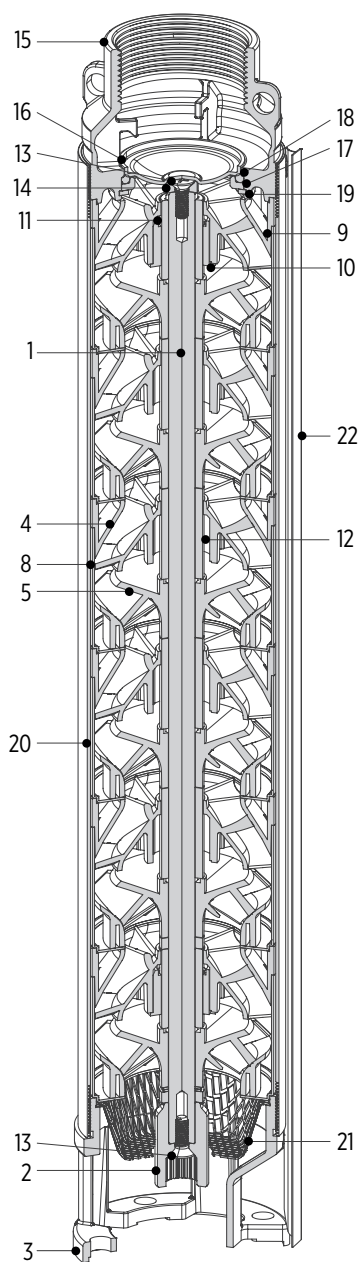


001030581/2025

Ref. No.	Parts description **	Material	Reference standard	
			ANSI	EN
1	Shaft	Stainless Steel	AISI 304	1.4301
2	Coupling	Stainless Steel	AISI 304	1.4301
3	Motor support	Stainless Steel	AISI 304	1.4301
4	Diffuser	Polycarbonate (VS 2-3-4-6-8)	-	-
5	Impeller	POM (VS 1-2-3-4-6-8)	-	-
6	Diffuser Cover	Polycarbonate (VS 2-3-4-6-8)	-	-
7	Sealing gasket	Rubber (VS 2-3-4-6-8)	-	-
9	Bearing housing	Polycarbonate (VS 2-3-4-6-8-10-15)	-	-
10	Bearing bushing	Rubber	-	-
11	Bearing	Stainless Steel (VS 2-3-4-6-8-10-15)	AISI 316	1.4401
13	Screw	Stainless Steel	AISI 316	1.4401
14	Washer	Stainless Steel	AISI 316	1.4401
15	Discharge	Stainless Steel	AISI 304	1.4301
16	Check valve disc	Stainless Steel	AISI 304	1.4301
17	Check valve ring	Stainless Steel	AISI 304	1.4301
18	Check valve O-ring	Rubber	-	-
19	Check valve snap ring	Stainless Steel	AISI 420	1.4021
20	Shell	Stainless Steel	AISI 304	1.4301
21	Strainer	Stainless Steel	AISI 304	1.4301
22	Cable guard	Stainless Steel	AISI 304	1.4301

Parts and material

VS 10-15



Ref. No.	Ref. No.	Material	Reference standard	
			ANSI	EN
1	Shaft	Stainless Steel	AISI 304	1.4301
2	Coupling	Stainless Steel	AISI 304	1.4301
3	Motor support	Stainless Steel	AISI 304	1.4301
4	Diffuser	Noryl® * (VS 10-15)	-	-
5	Impeller	Polycarbonate (VS 10-15)	-	-
8	Body	Stainless Steel	AISI 304	1.4301
9	Bearing housing	Polycarbonate (VS 2-3-4-6-8-10-15)	-	-
10	Bearing bushing	Rubber	-	-
11	Bearing	Stainless Steel (VS 2-3-4-6-8-10-15)	AISI 316	1.4401
12	Spacer	Polycarbonate	-	-
13	Screw	Stainless Steel	AISI 316	1.4401
14	Washer	Stainless Steel	AISI 316	1.4401
15	Discharge	Stainless Steel	AISI 304	1.4301
16	Check valve disc	Stainless Steel	AISI 304	1.4301
17	Check valve ring	Stainless Steel	AISI 304	1.4301
18	Check valve O-ring	Rubber	-	-
19	Check valve snap ring	Stainless Steel	AISI 420	1.4021
20	Shell	Stainless Steel	AISI 304	1.4301
21	Strainer	Stainless Steel	AISI 304	1.4301
22	Cable guard	Stainless Steel	AISI 304	1.4301

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Hydraulic performance 2850 rpm - 50 Hz

VS 1

Pump model	Rated power		Q = Delivery											
			m ³ /h 0	0,3	0,4	0,5	0,6	0,7	0,9	1	1,2	1,5	1,6	1,8
			l/min 0	5	6,7	8,4	10	11,7	15	16,8	20	25	26,8	30
	[kW]	[HP]	H = Total meters head of water column [m]											
VS1/07-Y-R14-M4-50DP	0,37	0,5	59	57	55	54	53	51	47	44	36	22	17	8
VS1/09-Y-R14-M4-50DP	0,37	0,5	73	68	67	66	64	62	57	54	45	29	23	11
VS1/14-Y-R14-M4-50DP	0,55	0,75	113	107	105	103	101	98	90	85	71	45	36	18
VS1/18-Y-R14-M4-50DP	0,75	1	145	138	136	133	130	127	117	110	92	58	46	24
VS1/27-Y-R14-M4-50DP	1,1	1,5	216	210	206	202	198	192	177	167	140	90	73	38
VS1/33-Y-R14-M4-50DP	1,5	2	262	253	249	244	238	232	213	200	168	106	83	41

Application range

VS 2

Pump model	Rated power		Q = Delivery											
			m ³ /h 0	0,9	1,2	1,5	1,8	2,1	2,4	2,6	2,8	3	3,3	3,5
			l/min 0	15	20	25	30	35	40	43,6	47	50	55	59
	[kW]	[HP]	H = Total meters head of water column [m]											
VS2/05-Y-R14-M4-50DP	0,37	0,5	36	34	33	32	31	29	26	24	22	20	17	14
VS2/06-Y-R14-M4-50DP	0,37	0,5	43	41	40	39	37	35	32	30	27	24	20	17
VS2/09-Y-R14-M4-50DP	0,55	0,75	65	63	61	59	56	53	49	46	42	37	30	25
VS2/12-Y-R14-M4-50DP	0,75	1	86	84	82	79	75	71	65	61	56	50	40	34
VS2/18-Y-R14-M4-50DP	1,1	1,5	129	126	123	119	114	107	98	91	83	75	62	54
VS2/25-Y-R14-M4-50DP	1,5	2	177	174	169	163	155	145	133	123	113	102	84	73
VS2/36-Y-R14-M4-50DP	2,2	3	256	255	246	237	226	212	194	180	165	149	122	104

Application range

VS 3

Pump model	Rated power		Q = Delivery											
			m ³ /h 0	1,2	1,5	1,8	2,1	2,4	2,8	3	3,3	3,6	4,2	4,8
			l/min 0	20	25	30	35	40	47	50	55	60	70	80
	[kW]	[HP]	H = Total meters head of water column [m]											
VS3/05-Y-R14-M4-50DP	0,37	0,5	30	28	27	27	26	25	23	22	21	20	16	12
VS3/07-Y-R14-M4-50DP	0,55	0,75	52	47	47	46	44	43	41	39	37	34	27	19
VS3/10-Y-R14-M4-50DP	0,75	1	74	67	66	65	63	61	58	56	52	48	38	26
VS3/14-Y-R14-M4-50DP	1,1	1,5	102	94	92	90	88	85	81	78	73	67	53	37
VS3/20-Y-R14-M4-50DP	1,5	2	145	134	132	128	125	121	115	111	104	96	76	52
VS3/28-Y-R14-M4-50DP	2,2	3	200	187	184	180	175	169	160	154	144	133	105	74
VS3/38-Y-R14-M4-50DP	3	4	268	253	249	244	238	230	217	208	195	179	141	101

Application range

Hydraulic performance 2850 rpm - 50 Hz

VS 4

Pump model	Rated power		Q = Delivery											
			m ³ /h 0	1,8	2,5	2,7	3	3,3	3,6	4	4,2	4,8	5,5	6
			l/min 0	30	42	45	50	55	60	66,7	70	80	92	100
	[kW]	[HP]	H = Total meters head of water column [m]											
VS4/04-Y-R14-M4-50DP	0,37	0,5	30	27	26	25	25	24	23	21	20	17	12	6
VS4/07-Y-R14-M4-50DP	0,55	0,75	51	46	45	44	43	41	39	36	35	29	19	11
VS4/09-Y-R14-M4-50DP	0,75	1	65	60	57	56	55	53	50	47	44	37	25	14
VS4/13-Y-R14-M4-50DP	1,1	1,5	92	85	82	80	78	75	71	66	63	52	35	20
VS4/18-Y-R14-M4-50DP	1,5	2	128	119	114	112	109	105	100	92	88	73	49	27
VS4/26-Y-R14-M4-50DP	2,2	3	183	171	165	162	157	151	144	133	127	105	71	39
VS4/34-Y-R14-M4-50DP	3	4	240	225	216	213	206	199	190	176	168	138	92	52
VS4/42-Y-R14-M4-50DP	3,7	5	295	277	266	262	254	245	234	216	206	170	115	65
VS4/44-Y-R14-M4-50DP	4	5,5	310	290	279	274	266	256	245	226	216	178	121	68

Application range

VS 6

Pump model	Rated power		Q = Delivery											
			m ³ /h 0	2,7	3,4	4,2	4,8	5,5	6	6,5	7	7,2	7,5	8
			l/min 0	45	57	70	80	92	100	108,4	117	120	125	133
	[kW]	[HP]	H = Total meters head of water column [m]											
VS6/07-Y-R20-M4-50DP	0,75	1	43	37	36	35	33	30	28	25	22	20	17	11
VS6/11-Y-R20-M4-50DP	1,1	1,5	69	59	56	54	51	46	43	38	33	31	27	19
VS6/15-Y-R20-M4-50DP	1,5	2	94	80	76	73	68	63	58	52	45	42	38	28
VS6/22-Y-R20-M4-50DP	2,2	3	138	118	113	109	102	93	86	78	68	64	57	41
VS6/30-Y-R20-M4-50DP	3	4	186	160	153	148	139	127	118	106	92	87	77	55
VS6/38-Y-R20-M4-50DP	3,7	5	235	204	195	188	176	162	149	134	116	109	96	69
VS6/42-Y-R20-M4-50DP	4	5,5	261	227	217	209	196	180	166	148	129	120	106	75
VS6/45-Y-R20-M4-50DP	5,5	7,5	277	241	231	219	208	192	177	158	136	126	109	78
VS6/50-Y-R20-M4-50DP	5,5	7,5	308	268	257	244	232	213	196	174	148	136	117	83
VS6/56-Y-R20-M4-50DP	5,5	7,5	351	306	294	284	265	243	224	201	173	160	140	99

Application range

VS 8

Pump model	Rated power		Q = Delivery											
			m ³ /h 0	3,6	4,5	5,4	6	7	7,5	8	8,4	9	10	10,5
			l/min 0	60	75	90	100	117	125	133	140	150	167	175
	[kW]	[HP]	H = Total meters head of water column [m]											
VS8/05-Y-R20-M4-50DP	0,75	1	31	25	24	23	22	20	19	18	17	15	12	9
VS8/08-Y-R20-M4-50DP	1,1	1,5	50	40	38	37	36	33	32	30	28	26	20	16
VS8/12-Y-R20-M4-50DP	1,5	2	74	60	58	56	53	51	49	46	44	39	31	25
VS8/18-Y-R20-M4-50DP	2,2	3	110	90	87	84	82	77	73	68	65	59	47	38
VS8/24-Y-R20-M4-50DP	3	4	146	119	114	110	108	101	96	89	84	77	60	49
VS8/31-Y-R20-M4-50DP	4	5,5	191	155	149	144	140	132	125	117	110	101	79	64
VS8/37-Y-R20-M4-50DP	5,5	7,5	224	185	178	171	167	156	149	141	134	121	94	77
VS8/41-Y-R20-M4-50DP	5,5	7,5	247	204	196	190	185	173	165	156	147	131	101	82
VS8/45-Y-R20-M4-50DP	5,5	7,5	277	224	215	208	203	190	181	169	160	146	115	94
VS8/50-Y-R20-M4-50DP	7,5	10	305	251	242	234	228	213	203	191	180	161	122	99
VS8/56-Y-R20-M4-50DP	7,5	10	339	283	273	264	257	241	228	212	199	178	132	105

Application range

Hydraulic performance 2850 rpm - 50 Hz

VS10

Pump model	Rated power		Q = Delivery											
			m ³ /h 0	5,4	7,5	8	8,4	9	9,6	10	11	12	14	16
			l/min 0	90	125	133	140	150	160	167	183	200	233,4	267
	[kW]	[HP]	H = Total meters head of water column [m]											
VS10/05-Y-R20-M4-50DP	1,1	1,5	31	28	25	24	23	22	21	20	18	14	11	8
VS10/07-Y-R20-M4-50DP	1,5	2	43	38	34	33	32	31	29	28	25	20	15	10
VS10/11-Y-R20-M4-50DP	2,2	3	66	59	53	51	50	48	45	43	39	32	24	16
VS10/14-Y-R20-M4-50DP	3	4	84	74	67	65	63	60	57	55	49	40	31	22
VS10/18-Y-R20-M4-50DP	4	5,5	108	97	87	84	82	78	74	71	64	52	40	28
VS10/25-Y-R20-M4-50DP	5,5	7,5	149	136	125	119	114	108	102	99	89	73	56	39
VS10/32-Y-R20-M4-50DP	7,5	10	194	178	163	158	154	148	141	137	124	104	84	64

 Application range

VS 15

Pump model	Rated power		Q = Delivery											
			m ³ /h 0	9	10	11	12	13	14,5	15	16	17	19	24
			l/min 0	150	167	183	200	217	242	250	267	283	317	400
	[kW]	[HP]	H = Total meters head of water column [m]											
VS15/08-Y-R20-M4-50DP	2,2	3	46	37	35	33	32	31	28	28	26	24	21	10
VS15/10-Y-R20-M4-50DP	3	4	59	47	45	43	42	40	37	36	34	32	28	15
VS15/13-Y-R20-M4-50DP	4	5,5	77	63	61	58	56	54	50	49	47	44	38	21
VS15/19-Y-R20-M4-50DP	5,5	7,5	114	95	92	89	85	82	77	75	71	67	59	34
VS15/25-Y-R20-M4-50DP	7,5	10	154	128	124	120	115	111	104	102	97	92	80	49

 Application range



Technical data and performance curves

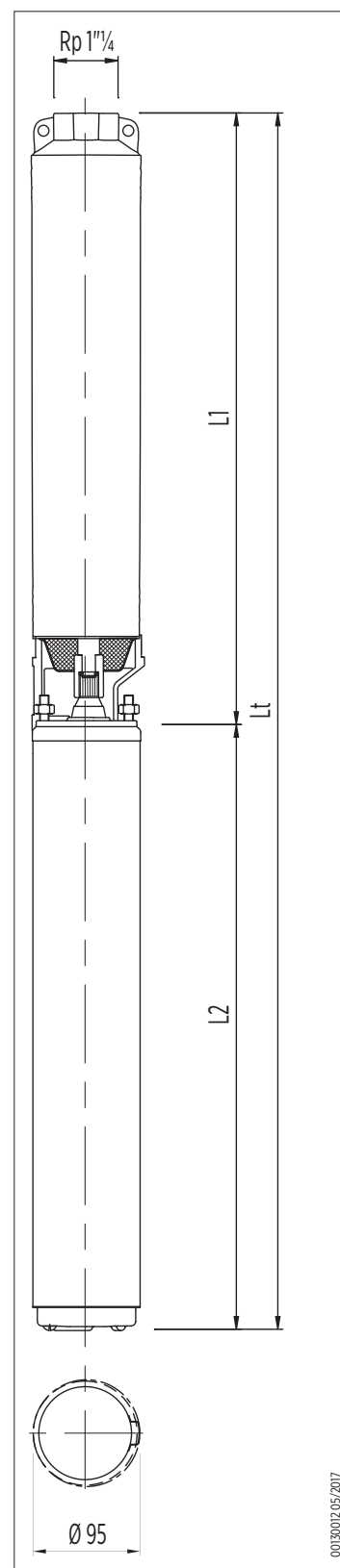
VS 1 - Technical data

PUMPS WITH ENCAPSULATED MOTOR

Pump model	Motor type			Dimensions [mm]						Weight [kg]			
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1 -	3 -	1 -	3 -		1 -	3 -	1 -	3 -
VS1/07-Y-R14-M4-50DP	CT4	0,37	0,5	328	251,1	237,2	579	565	2,9	7,2	5,58	10,1	8,5
VS1/09-Y-R14-M4-50DP	CT4	0,37	0,5	369	251,1	237,2	620	606	3,2	7,2	5,58	10,4	8,8
VS1/14-Y-R14-M4-50DP	CT4	0,55	0,75	474	276,2	251,1	750	725	4,1	8,35	6,4	12,5	10,5
VS1/18-Y-R14-M4-50DP	CT4	0,75	1	557	297,2	271,2	854	828	4,9	9,3	7,25	14,2	12,2
VS1/27-Y-R14-M4-50DP	CT4	1,1	1,5	797	321,2	297,2	1118	1094	6,8	10,45	8,55	17,3	15,4
VS1/33-Y-R14-M4-50DP	CT4	1,5	2	922	353,2	321,2	1275	1243	8	11,9	9,55	19,9	17,6

PUMPS WITH OIL-FILLED MOTOR

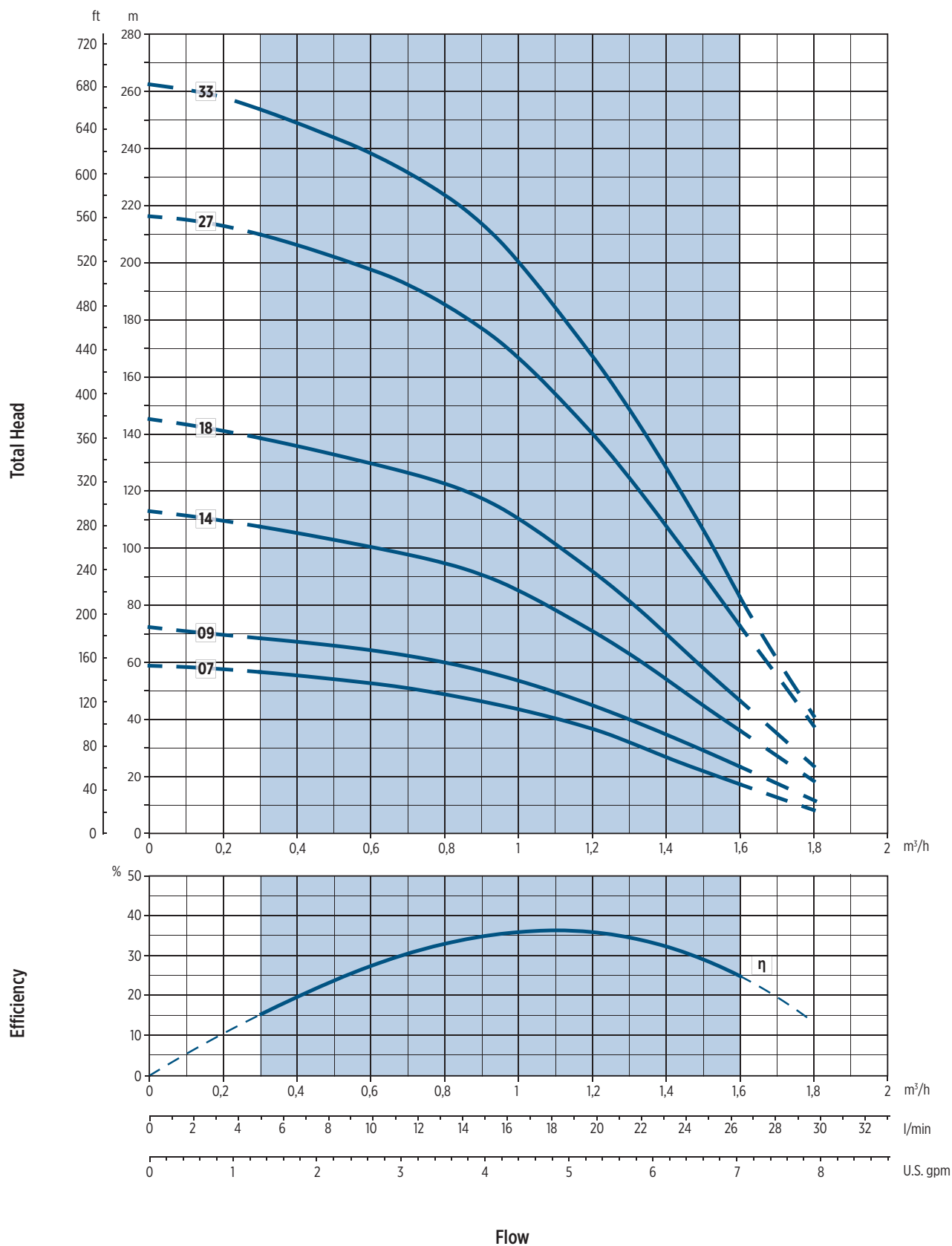
Pump model	Motor type			Dimensions [mm]						Weight [kg]			
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1 -	3 -	1 -	3 -		1 -	3 -	1 -	3 -
VS1/07-Y-R14-M4-50DP	NBS4	0,37	0,5	328	326	326	654	654	2,9	7,1	7,1	10	10
VS1/09-Y-R14-M4-50DP	NBS4	0,37	0,5	369	326	326	695	695	3,2	7,1	7,1	10,3	10,3
VS1/14-Y-R14-M4-50DP	NBS4	0,55	0,75	474	335	335	809	809	4,1	7,5	7,5	11,6	11,6
VS1/18-Y-R14-M4-50DP	NBS4	0,75	1	557	356	345	913	902	4,9	8,5	7,9	13,4	12,8
VS1/27-Y-R14-M4-50DP	NBS4	1,1	1,5	797	380	367	1177	1164	6,8	9,6	8,9	16,4	15,7
VS1/33-Y-R14-M4-50DP	NBS4	1,5	2	922	425	387	1347	1309	8	11,8	9,9	19,8	17,9



00130012 05/2017

VS 1 - Performance curves 2850 rpm - 50 Hz

MEI ≥ 0,40



00720301 09/2016

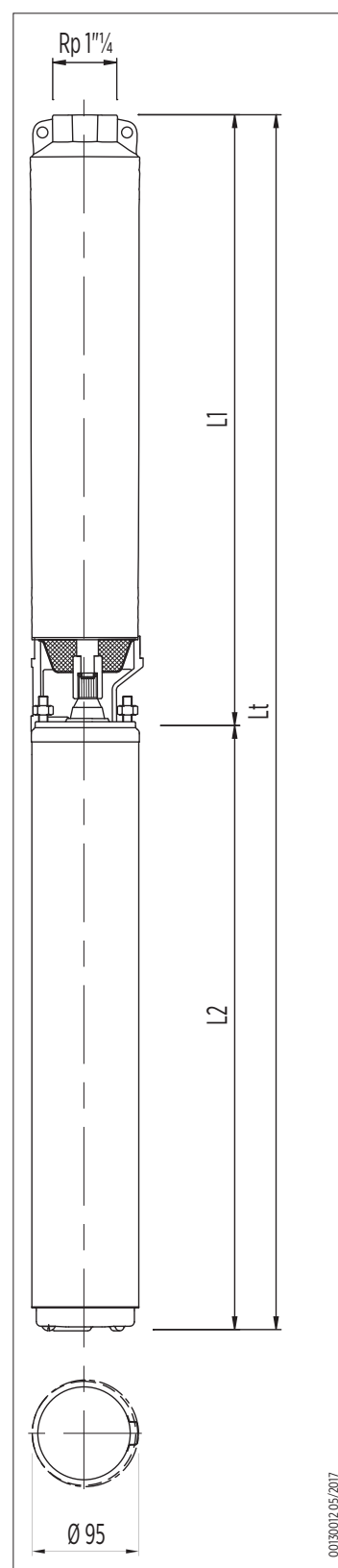
VS 2 - Technical data

PUMPS WITH ENCAPSULATED MOTOR

Pump model	Motor			Dimensions[mm]					Weight [kg]				
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1 -	3 -	1 -	3 -		1 -	3 -	1 -	3 -
VS2/05-Y-R14-M4-50DP	CT4	0,37	0,5	287	251,1	237,2	538,1	524,2	2,75	7,2	5,58	9,95	8,33
VS2/06-Y-R14-M4-50DP	CT4	0,37	0,5	312	251,1	237,2	563,1	549,2	2,87	7,2	5,58	10,07	8,45
VS2/09-Y-R14-M4-50DP	CT4	0,55	0,75	387	276,2	251,1	663,2	638,1	3,35	8,35	6,4	11,7	9,75
VS2/12-Y-R14-M4-50DP	CT4	0,75	1	462	297,2	271,2	759,2	733,2	4,35	9,3	7,25	13,65	11,6
VS2/18-Y-R14-M4-50DP	CT4	1,1	1,5	644	321,2	297,2	965,2	941,2	5,38	10,45	8,55	15,83	13,93
VS2/25-Y-R14-M4-50DP	CT4	1,5	2	819	353,2	321,2	1172,2	1140,2	6,88	11,9	9,55	18,78	16,43
VS2/36-Y-R14-M4-50DP	CT4	2,2	3	1159	451,2	353,2	1610,2	1512,2	9,47	16,65	11,05	26,12	20,52

PUMPS WITH OIL-FILLED MOTOR

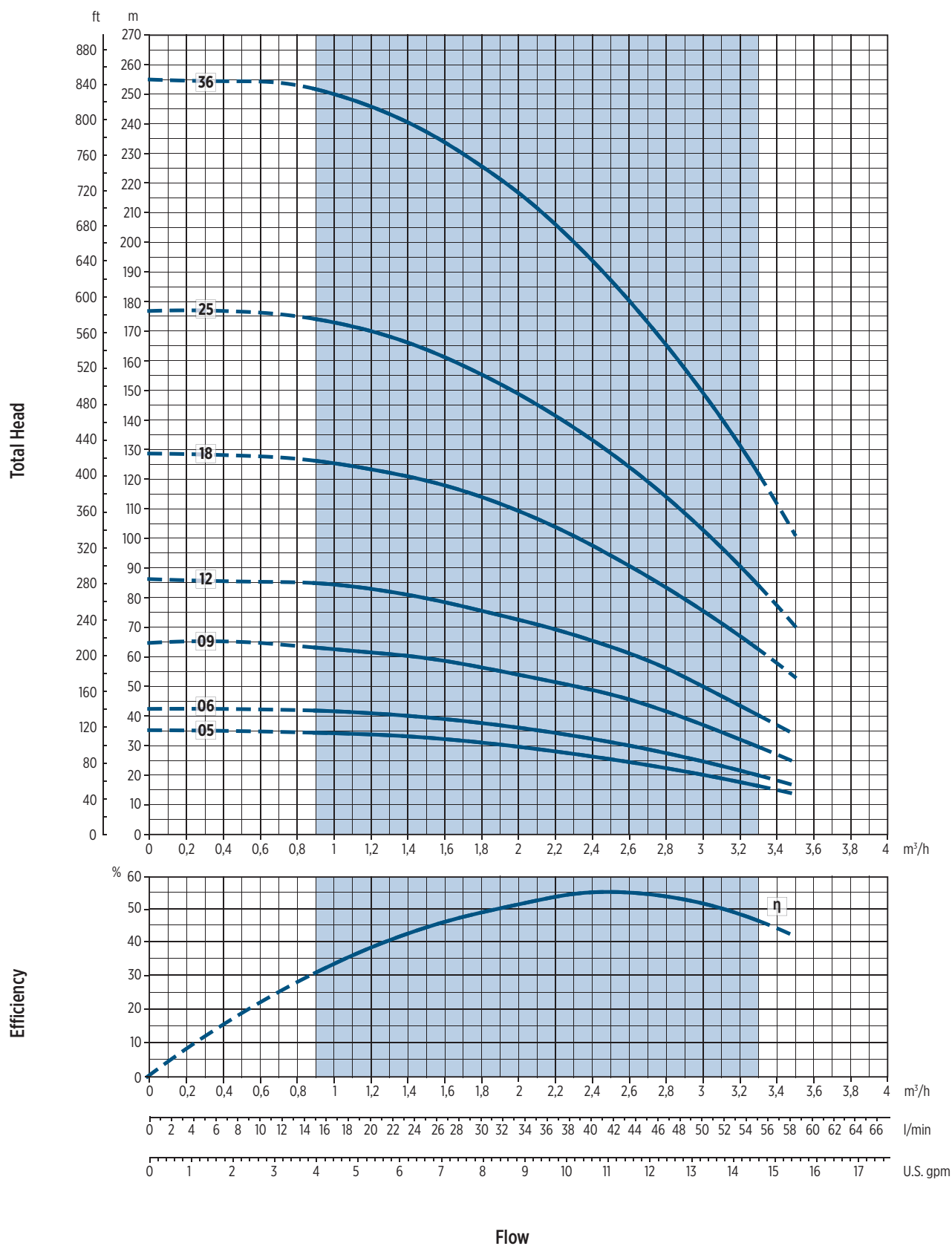
Pump model	Motor type			Dimensions [mm]					Weight [kg]				
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1 -	3 -	1 -	3 -		1 -	3 -	1 -	3 -
VS2/05-Y-R14-M4-50DP	NBS4	0,37	0,5	287	326	326	613	613	2,75	7,1	7,1	9,9	9,9
VS2/06-Y-R14-M4-50DP	NBS4	0,37	0,5	312	326	326	638	638	2,87	7,1	7,1	10	10
VS2/09-Y-R14-M4-50DP	NBS4	0,55	0,75	387	335	335	722	722	3,35	7,5	7,5	10,9	10,9
VS2/12-Y-R14-M4-50DP	NBS4	0,75	1	462	356	345	818	807	4,35	8,5	7,9	12,9	12,3
VS2/18-Y-R14-M4-50DP	NBS4	1,1	1,5	644	380	367	1024	1011	5,38	9,6	8,9	15	14,3
VS2/25-Y-R14-M4-50DP	NBS4	1,5	2	819	425	387	1244	1206	6,88	11,8	9,9	18,7	16,8
VS2/36-Y-R14-M4-50DP	NBS4	2,2	3	1159	474	425	1633	1584	9,47	14,1	11,6	23,6	21,1



00130012 05/2017

VS 2 - Performance curves 2850 rpm - 50 Hz

MEI ≥ 0,40



002030611/2025

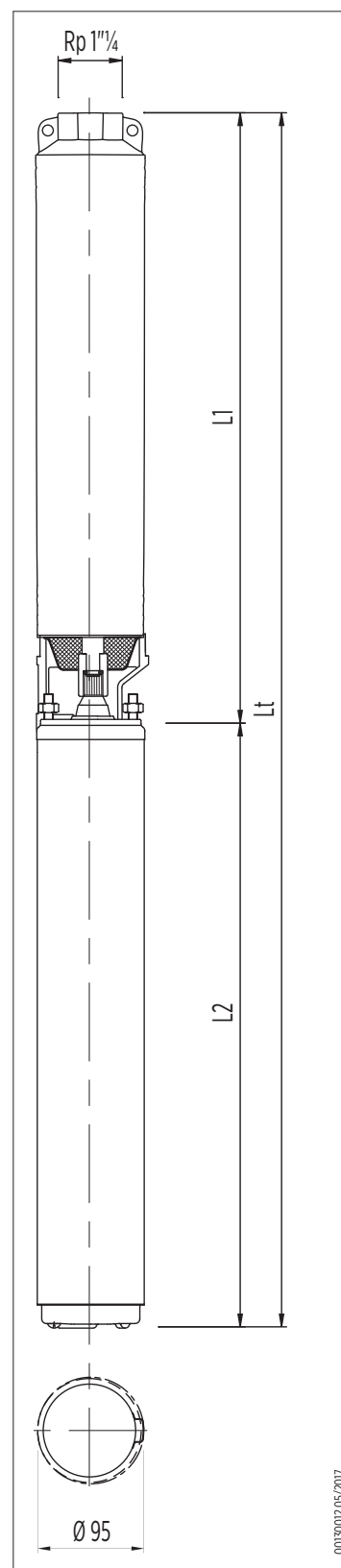
VS 3 - Technical data

PUMPS WITH ENCAPSULATED MOTOR

Pump model	Motor			Dimensions[mm]						Weight [kg]			
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1 -	3 -	1 -	3 -		1 -	3 -	1 -	3 -
VS3/05-Y-R14-M4-50DP	CT4	0,37	0,5	293	251,1	237,2	544,1	530,2	2,8	7,2	5,58	10	8,38
VS3/07-Y-R14-M4-50DP	CT4	0,55	0,75	345	276,2	251,1	621	596	3	8,35	6,4	11,4	9,4
VS3/10-Y-R14-M4-50DP	CT4	0,75	1	424	297,2	271,2	721,2	695,2	3,7	9,3	7,25	13	10,95
VS3/14-Y-R14-M4-50DP	CT4	1,1	1,5	561	321,2	297,2	882,2	858,2	4,6	10,45	8,55	15,05	13,15
VS3/20-Y-R14-M4-50DP	CT4	1,5	2	718	353,2	321,2	1071,2	1039,2	5,9	11,9	9,55	17,8	15,45
VS3/28-Y-R14-M4-50DP	CT4	2,2	3	960	451,2	353,2	1411,2	1313,2	7,7	16,65	11,05	24,35	18,75
VS3/38-Y-R14-M4-50DP	CT4	3	4	1255	-	408,2	-	1663,2	10	-	13,55	-	23,55

PUMPS WITH OIL-FILLED MOTOR

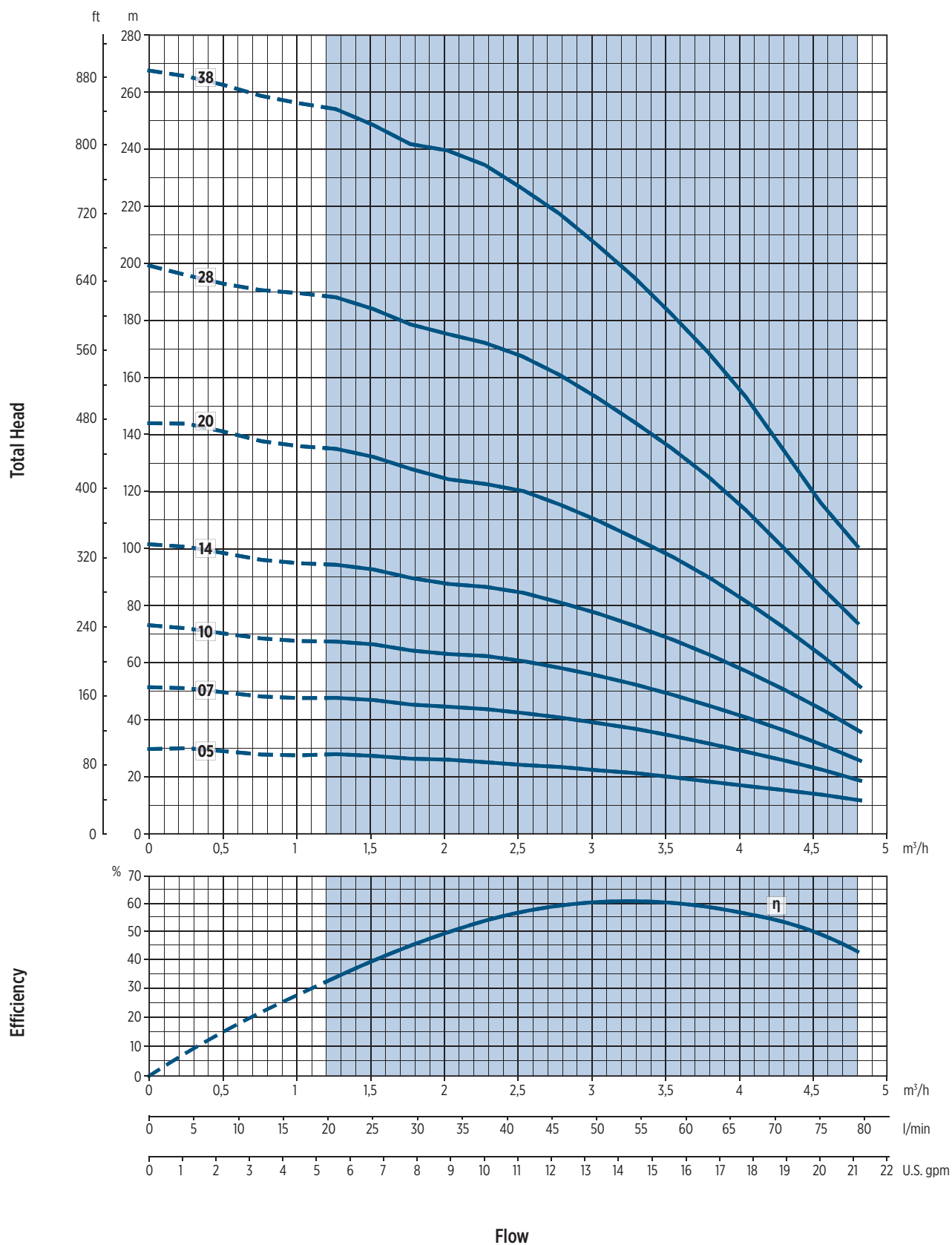
Pump model	Motor type			Dimensions [mm]						Weight [kg]			
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1 -	3 -	1 -	3 -		1 -	3 -	1 -	3 -
VS3/05-Y-R14-M4-50DP	NBS4	0,37	0,5	293	326	326	619	619	2,8	7,1	7,1	9,9	9,9
VS3/07-Y-R14-M4-50DP	NBS4	0,55	0,75	345	335	335	680	680	3	7,5	7,5	10,5	10,5
VS3/10-Y-R14-M4-50DP	NBS4	0,75	1	424	356	345	780	769	3,7	8,5	7,9	12,2	11,6
VS3/14-Y-R14-M4-50DP	NBS4	1,1	1,5	561	380	367	941	928	4,6	9,6	8,9	14,2	13,5
VS3/20-Y-R14-M4-50DP	NBS4	1,5	2	718	425	387	1143	1105	5,9	11,8	9,9	17,7	15,8
VS3/28-Y-R14-M4-50DP	NBS4	2,2	3	960	474	425	1434	1385	7,7	14,1	11,6	21,8	19,3
VS3/38-Y-R14-M4-50DP	NBS4	3	4	1255	541	475,7	1796	1730,7	10	17	14,1	27	24,1



00130012/05/2017

VS 3 - Performance curves 2850 rpm - 50 Hz

MEI ≥ 0,40



000307/05/2026

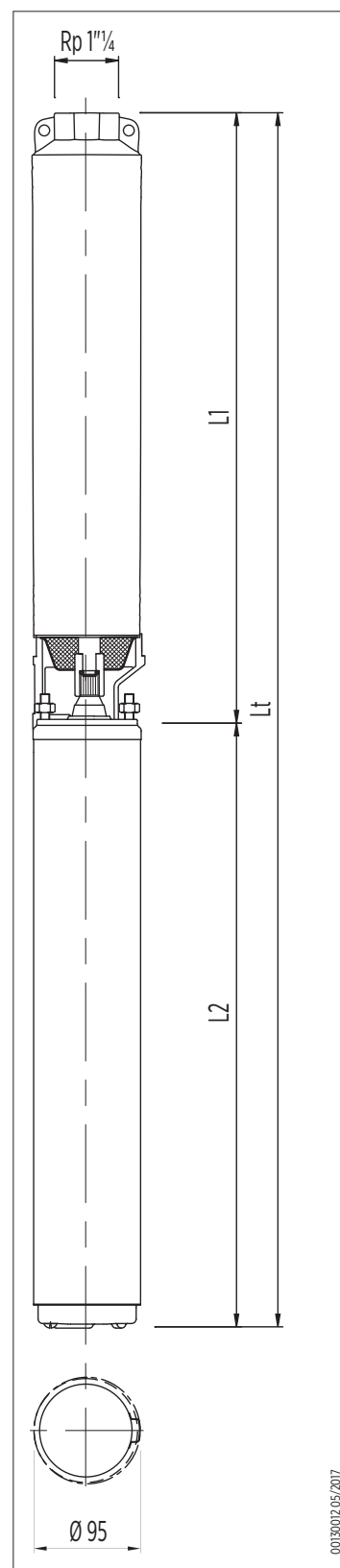
VS 4 - Technical data

PUMPS WITH ENCAPSULATED MOTOR

Pump model	Motor			Dimensions[mm]						Weight [kg]			
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1 ~	3 ~	1 ~	3 ~		1 ~	3 ~	1 ~	3 ~
VS4/04-Y-R14-M4-50DP	CT4	0,37	0,5	279	251,1	237,2	530,1	516,2	2,61	7,2	5,58	9,81	8,19
VS4/07-Y-R14-M4-50DP	CT4	0,55	0,75	366	276,2	251,1	642,2	617,1	3,22	8,35	6,4	11,57	9,62
VS4/09-Y-R14-M4-50DP	CT4	0,75	1	425	297,2	271,2	722,2	696,2	3,67	9,3	7,25	12,97	10,92
VS4/13-Y-R14-M4-50DP	CT4	1,1	1,5	574	321,2	297,2	895,2	871,2	4,67	10,45	8,55	15,12	13,22
VS4/18-Y-R14-M4-50DP	CT4	1,5	2	720	353,2	321,2	1073,2	1041,2	5,99	11,9	9,55	17,89	15,54
VS4/26-Y-R14-M4-50DP	CT4	2,2	3	986	451,2	353,2	1437,2	1339,2	8,06	16,65	11,05	24,71	19,11
VS4/34-Y-R14-M4-50DP	CT4	3	4	1252	-	408,2	-	1660,2	9,93	-	13,55	-	23,48
VS4/42-Y-R14-M4-50DP	CT4	3,7	5	1485	-	520,2	-	2005,2	11,72	-	19,1	-	30,82
VS4/44-Y-R14-M4-50DP	CT4	4	5,5	1577	-	543,2	-	2120,2	12,19	-	20	-	32,19

PUMPS WITH OIL-FILLED MOTOR

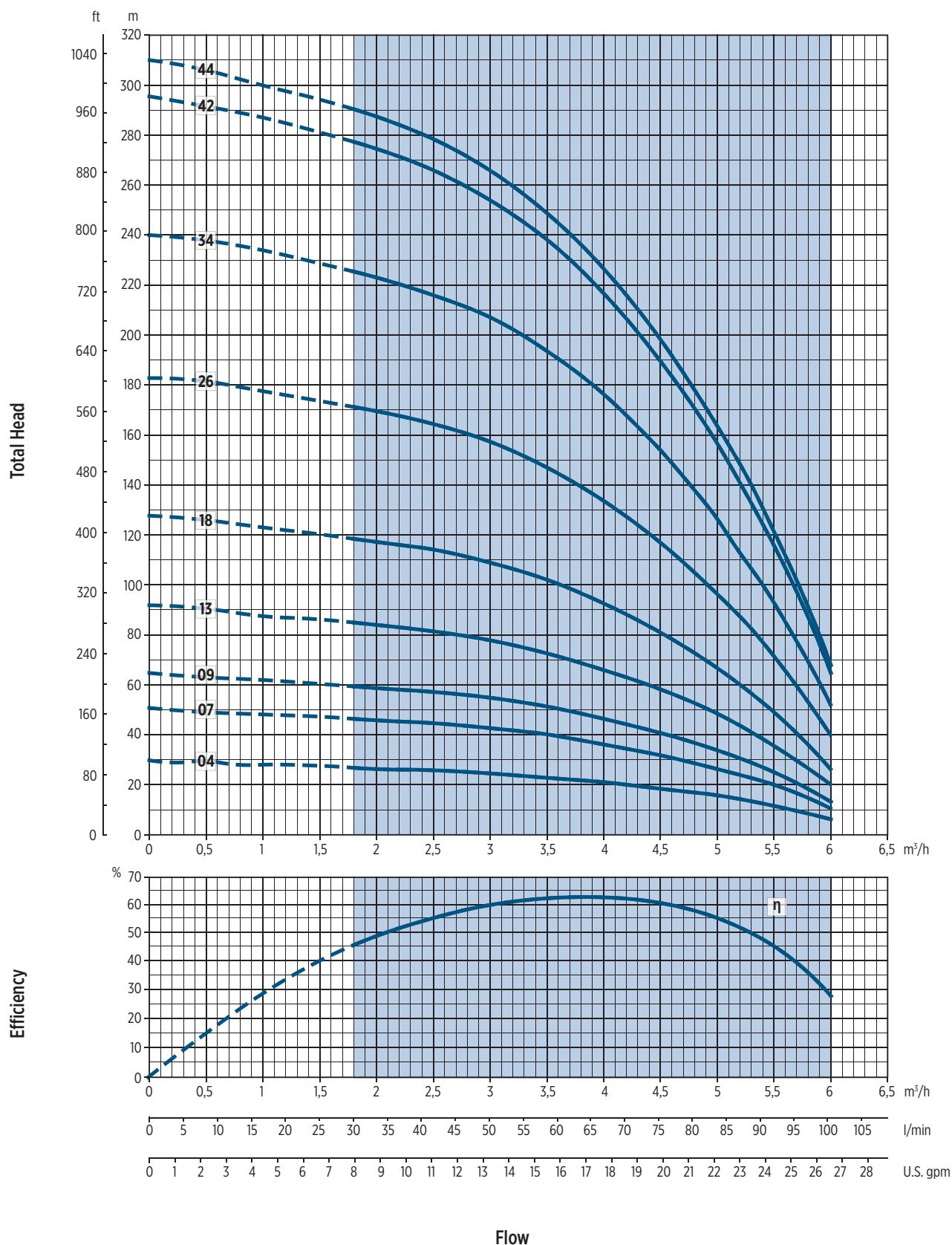
Pump model	Motor type			Dimensions [mm]						Weight [kg]			
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1 ~	3 ~	1 ~	3 ~		1 ~	3 ~	1 ~	3 ~
VS4/04-Y-R14-M4-50DP	NBS4	0,37	0,5	279	326	326	605	605	2,61	7,1	7,1	9,7	9,7
VS4/07-Y-R14-M4-50DP	NBS4	0,55	0,75	366	335	335	701	701	3,22	7,5	7,5	10,7	10,7
VS4/09-Y-R14-M4-50DP	NBS4	0,75	1	425	356	345	781	770	3,67	8,5	7,9	12,2	11,6
VS4/13-Y-R14-M4-50DP	NBS4	1,1	1,5	574	380	367	954	941	4,67	9,6	8,9	14,3	13,6
VS4/18-Y-R14-M4-50DP	NBS4	1,5	2	720	425	387	1145	1107	5,99	11,8	9,9	17,8	15,9
VS4/26-Y-R14-M4-50DP	NBS4	2,2	3	986	474	425	1460	1411	8,06	14,1	11,6	22,2	19,7
VS4/34-Y-R14-M4-50DP	NBS4	3	4	1252	541	475,7	1793	1727,7	9,93	17	14,1	26,9	24
VS4/42-Y-R14-M4-50DP	NBS4	4	5,5	1485	636	541,7	2121	2027	11,72	22,7	17	34,4	28,7
VS4/44-Y-R14-M4-50DP	NBS4	4	5,5	1577	636	541,7	2213	2118,7	12,19	22,7	17	34,9	29,2



00130102.05/2017

VS 4 - Performance curves 2850 rpm - 50 Hz

MEI $\geq 0,40$



000308 11/2025

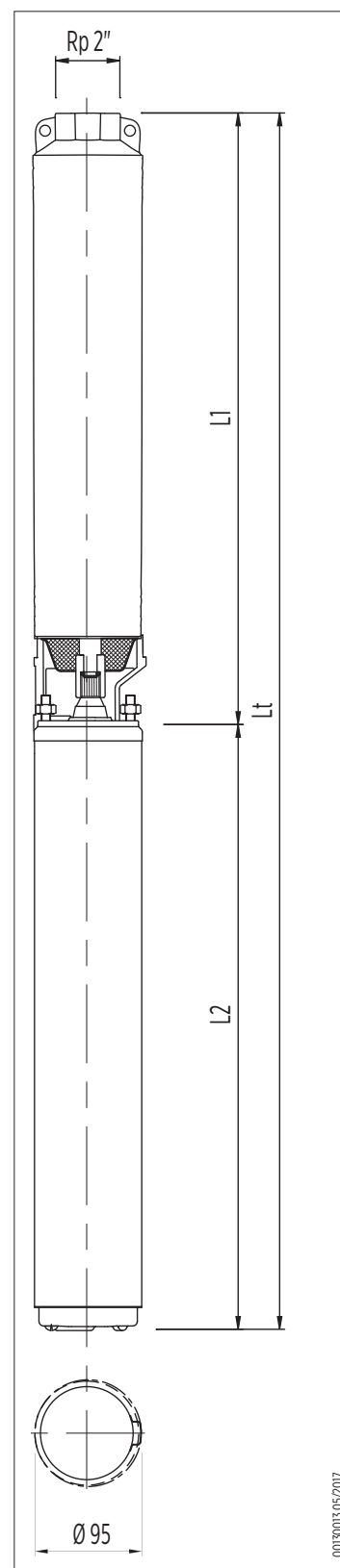
VS 6 - Technical data

PUMPS WITH ENCAPSULATED MOTOR

Pump model	Motor			Dimensions[mm]						Weight [kg]			
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1 -	3 -	1 -	3 -		1 -	3 -	1 -	3 -
VS6/07-Y-R20-M4-50DP	CT4	0,75	1	387	297,2	271,2	684,2	658,2	3,48	9,3	7,25	12,78	10,73
VS6/11-Y-R20-M4-50DP	CT4	1,1	1,5	510	321,2	297,2	831,2	807,2	4,49	10,45	8,55	14,94	13,04
VS6/15-Y-R20-M4-50DP	CT4	1,5	2	666	353,2	321,2	1019,2	987,2	5,5	11,9	9,55	17,4	15,05
VS6/22-Y-R20-M4-50DP	CT4	2,2	3	882	451,2	353,2	1333,2	1235,2	7,28	16,65	11,05	23,93	18,33
VS6/30-Y-R20-M4-50DP	CT4	3	4	1194	-	408,2	-	1602,2	9,33	-	13,55	-	22,88
VS6/38-Y-R20-M4-50DP	CT4	3,7	5	1440	-	520,2	-	1960,2	11,39	-	19,1	-	30,49
VS6/42-Y-R20-M4-50DP	CT4	4	5,5	1596	-	543,2	-	2139,2	12,43	-	20	-	32,43
VS6/45-Y-R20-M4-50DP	CT4	5,5	7,5	1683	-	652,5	-	2336	13,2	-	26,6	-	39,8
VS6/50-Y-R20-M4-50DP	CT4	5,5	7,5	1870	-	652,5	-	2523	14,6	-	26,6	-	41,2
VS6/56-Y-R20-M4-50DP	CT4	5,5	7,5	2060	-	652,5	-	2712,5	16,5	-	26,6	-	43,1

PUMPS WITH OIL-FILLED MOTOR

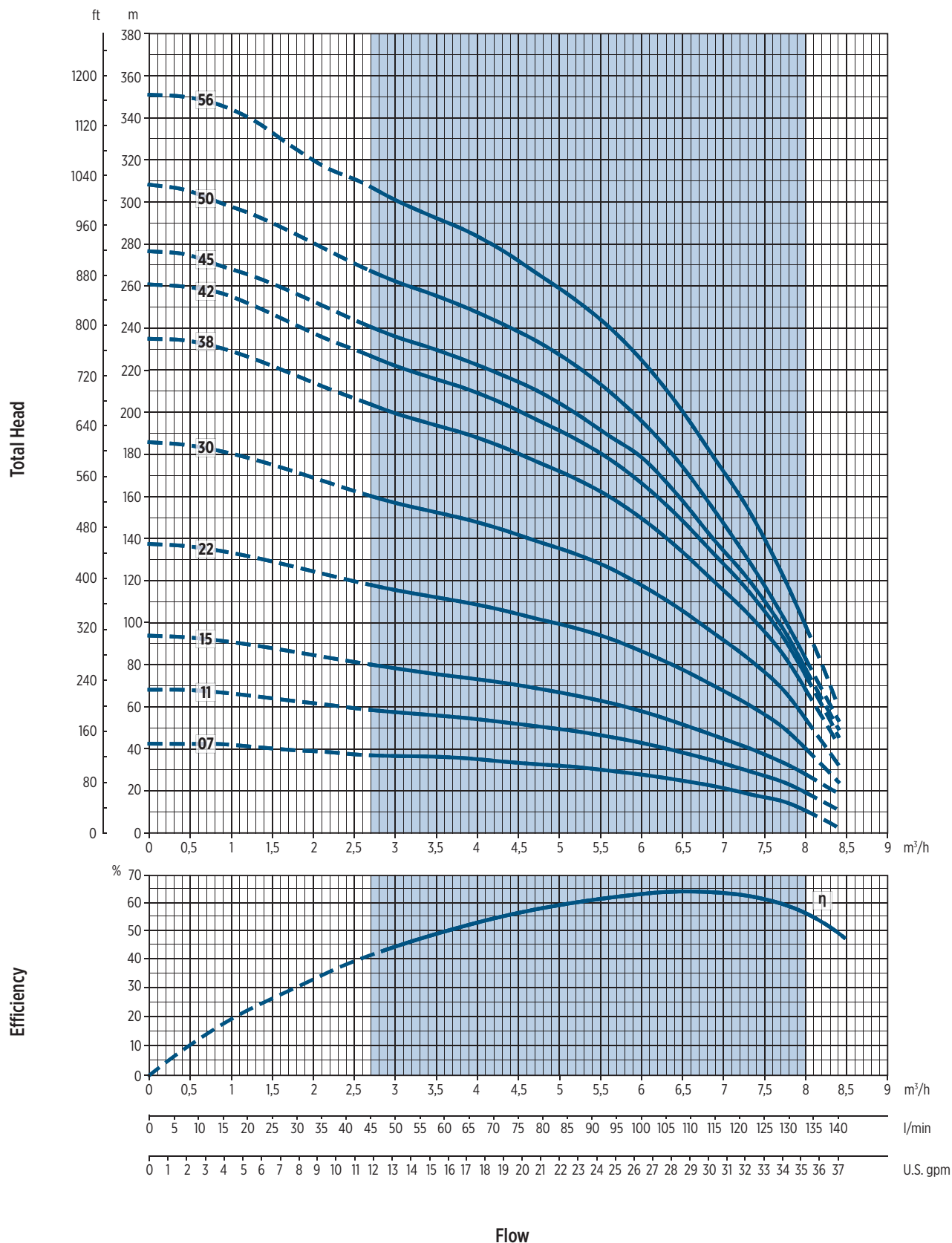
Pump model	Motor type			Dimensions [mm]						Weight [kg]			
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1 -	3 -	1 -	3 -		1 -	3 -	1 -	3 -
VS6/07-Y-R20-M4-50DP	NBS4	0,75	1	387	356	345	743	732	3,48	8,5	7,9	12	11,4
VS6/11-Y-R20-M4-50DP	NBS4	1,1	1,5	510	380	367	890	877	4,49	9,6	8,9	14,1	13,4
VS6/15-Y-R20-M4-50DP	NBS4	1,5	2	666	425	387	1091	1053	5,5	11,8	9,9	17,3	15,4
VS6/22-Y-R20-M4-50DP	NBS4	2,2	3	882	474	425	1356	1307	7,28	14,1	11,6	21,4	18,9
VS6/30-Y-R20-M4-50DP	NBS4	3	4	1194	541	475,7	1735	1669,7	9,33	17	14,1	26,3	23,4
VS6/38-Y-R20-M4-50DP	NBS4	4	5,5	1440	636	541,7	2076	1982	11,39	22,7	17	34,1	28,4
VS6/42-Y-R20-M4-50DP	NBS4	4	5,5	1596	636	541,7	2232	2137,7	12,43	22,7	17	35,1	29,4
VS6/45-Y-R20-M4-50DP	NBS4	5,5	7,5	1683	-	635,7	-	2319	13,2	-	22,6	-	35,8
VS6/50-Y-R20-M4-50DP	NBS4	5,5	7,5	1870	-	635,7	-	2506	14,6	-	22,6	-	37,2
VS6/56-Y-R20-M4-50DP	NBS4	5,5	7,5	2060	-	635,7	-	2695,7	16,5	-	22,6	-	39,1



001301013 05/2017

VS 6 - Performance curves 2850 rpm - 50 Hz

MEI ≥ 0,40



9702/05/06/03/2020

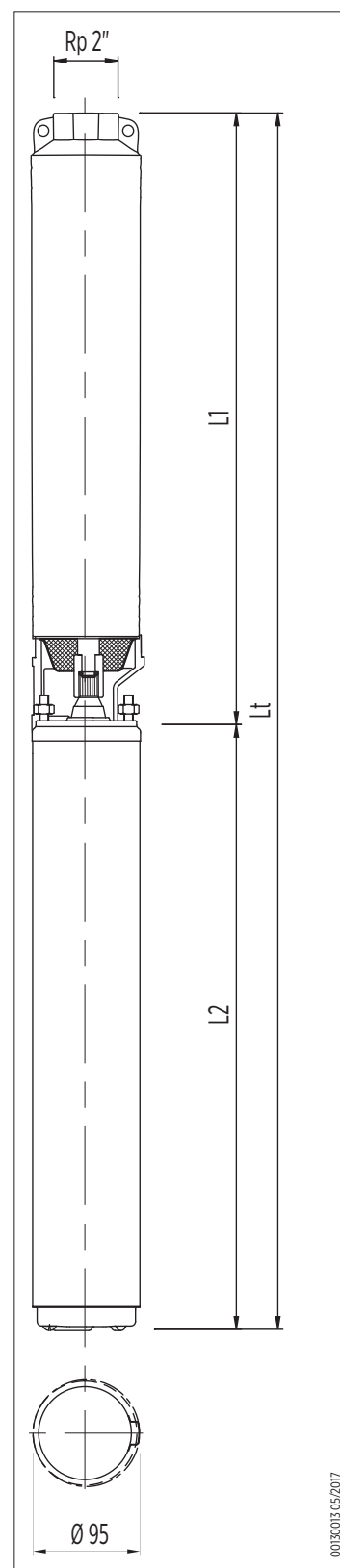
VS 8 - Technical data

PUMPS WITH ENCAPSULATED MOTOR

Pump model	Motor			Dimensions[mm]						Weight [kg]			
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1 -	3 -	1 -	3 -		1 -	3 -	1 -	3 -
VS8/05-Y-R20-M4-50DP	CT4	0,75	1	363	297,2	271,2	660,2	634,2	3,5	9,3	7,25	12,8	10,75
VS8/08-Y-R20-M4-50DP	CT4	1,1	1,5	477	321,2	297,2	798,2	774,2	3,95	10,45	8,55	14,4	12,5
VS8/12-Y-R20-M4-50DP	CT4	1,5	2	663	353,2	321,2	1016,2	984,2	5,26	11,9	9,55	17,16	14,81
VS8/18-Y-R20-M4-50DP	CT4	2,2	3	892	451,2	353,2	1343,2	1245,2	7,16	16,65	11,05	23,81	18,21
VS8/24-Y-R20-M4-50DP	CT4	3	4	1187	-	408,2	-	1595,2	9,04	-	13,55	-	22,59
VS8/31-Y-R20-M4-50DP	CT4	4	5,5	1454	-	543,2	-	1997,2	11,19	-	20	-	31,19
VS8/37-Y-R20-M4-50DP	CT4	5,5	7,5	1712	-	652,5	-	2365	13	-	26,6	-	39,6
VS8/41-Y-R20-M4-50DP	CT4	5,5	7,5	1864	-	652,5	-	2517	14,3	-	26,6	-	40,9
VS8/45-Y-R20-M4-50DP	CT4	5,5	7,5	2021	-	652,5	-	2673,5	15,5	-	26,6	-	42,1
VS8/50-Y-R20-M4-50DP	CT4	7,5	10	2240	-	730,5	-	2971	17,3	-	30,6	-	47,9
VS8/56-Y-R20-M4-50DP	CT4	7,5	10	2474	-	730,5	-	3204,5	19,5	-	30,6	-	50,1

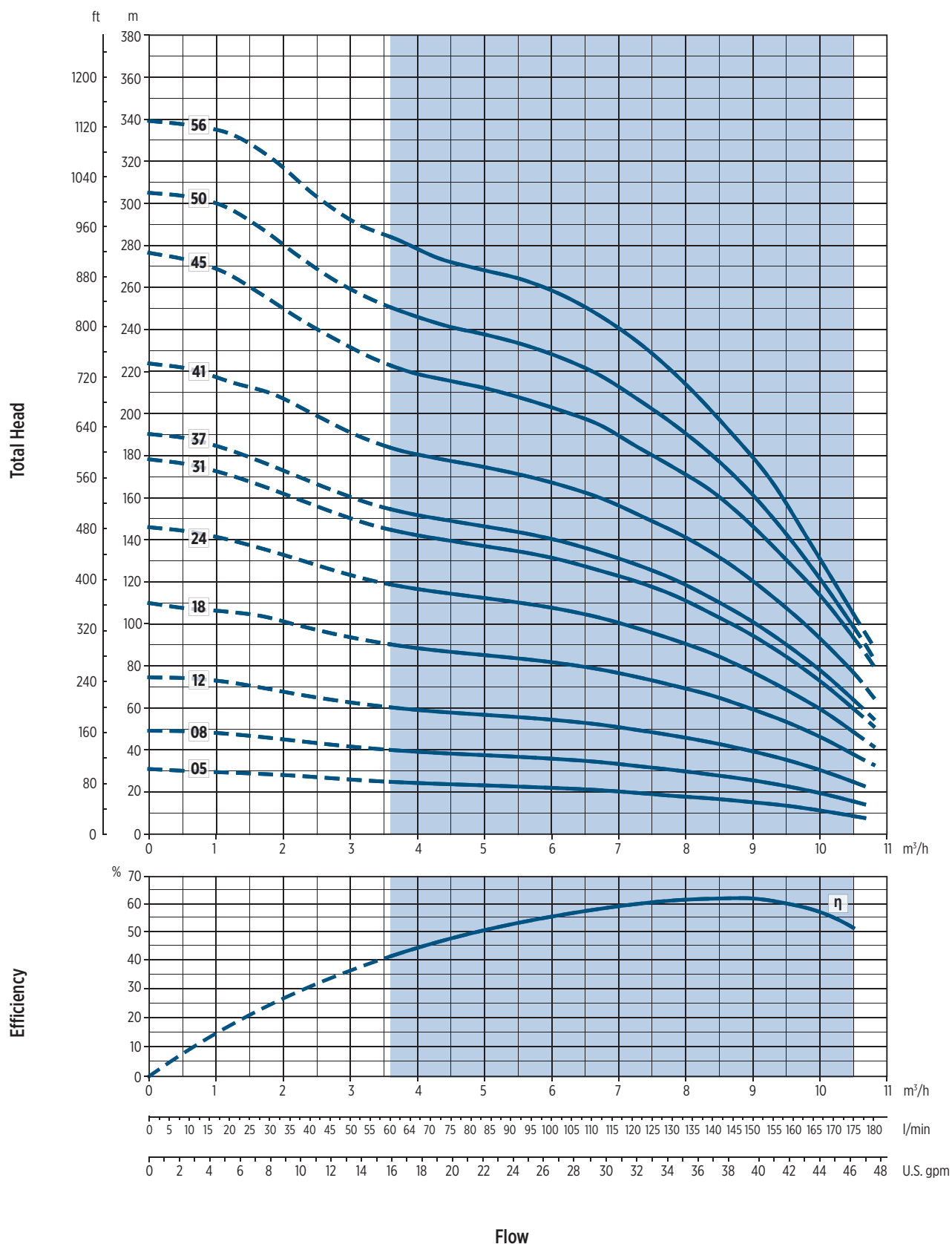
PUMPS WITH OIL-FILLED MOTOR

Pump model	Motor type			Dimensions [mm]						Weight [kg]			
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1 -	3 -	1 -	3 -		1 -	3 -	1 -	3 -
VS8/05-Y-R20-M4-50DP	NBS4	0,75	1	363	356	345	719	708	3,5	8,5	7,9	12	11,4
VS8/08-Y-R20-M4-50DP	NBS4	1,1	1,5	477	380	367	857	844	3,95	9,6	8,9	13,6	12,9
VS8/12-Y-R20-M4-50DP	NBS4	1,5	2	663	425	387	1088	1050	5,26	11,8	9,9	17,1	15,2
VS8/18-Y-R20-M4-50DP	NBS4	2,2	3	892	474	425	1366	1317	7,16	14,1	11,6	21,3	18,8
VS8/24-Y-R20-M4-50DP	NBS4	3	4	1187	541	475,7	1728	1662,7	9,04	17	14,1	26	23,1
VS8/31-Y-R20-M4-50DP	NBS4	4	5,5	1454	636	541,7	2090	1995,7	11,19	22,7	17	33,9	28,2
VS8/37-Y-R20-M4-50DP	NBS4			1712	-	635,7	-	2348	13	-	22,6	-	35,6
VS8/41-Y-R20-M4-50DP	NBS4			1864	-	635,7	-	2500	14,3	-	22,6	-	36,9
VS8/45-Y-R20-M4-50DP	NBS4	5,5	7,5	2016	-	635,7	-	2652	15,5	-	22,6	-	38,1
VS8/50-Y-R20-M4-50DP	NBS4			2240	-	744,7	-	2985	17,3	-	28	-	45,3
VS8/56-Y-R20-M4-50DP	NBS4	7,5	10	2474	-	744,7	-	3218,7	19,5	-	28	-	47,5



00130015 05/2017

VS 8 - Performance curves 2850 rpm - 50 Hz



920250 03/2020

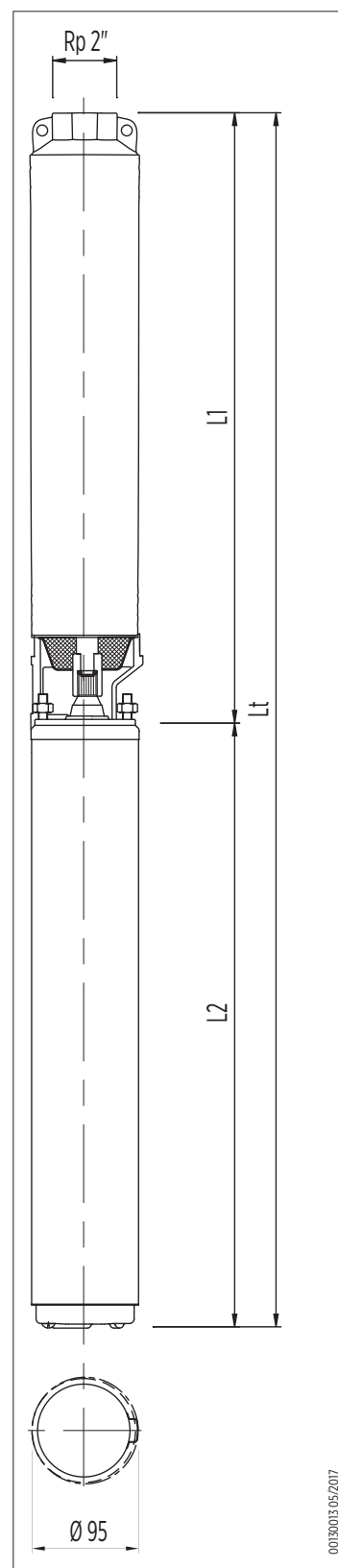
VS 10 - Technical data

PUMPS WITH ENCAPSULATED MOTOR

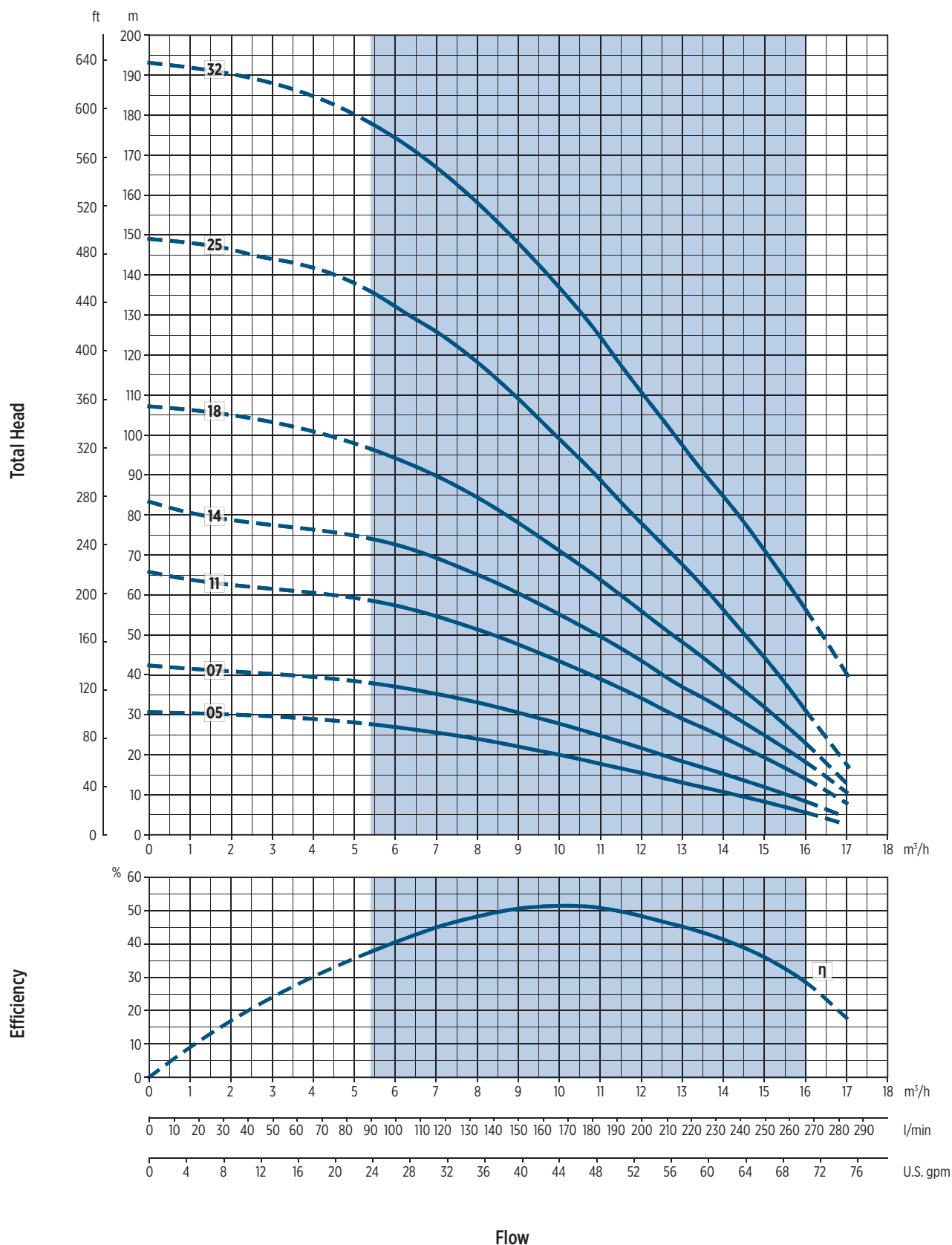
Pump model	Motor			Dimensions[mm]				Weight [kg]					
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1 -	3 -	1 -	3 -		1 -	3 -	1 -	3 -
VS10/05-Y-R20-M4-50DP	CT4	1,1	1,5	425	321,2	297,2	746,2	722,2	3,7	10,45	8,55	14,15	12,25
VS10/07-Y-R20-M4-50DP	CT4	1,5	2	527	353,2	321,2	880,2	848,2	4,4	11,9	9,55	16,3	13,95
VS10/11-Y-R20-M4-50DP	CT4	2,2	3	760	451,2	353,2	1211,2	1113,2	6,3	16,65	11,05	22,95	17,35
VS10/14-Y-R20-M4-50DP	CT4	3	4	913	-	408,2	-	1321,2	7,6	-	13,55	-	21,15
VS10/18-Y-R20-M4-50DP	CT4	4	5,5	1146	-	543,2	-	1689,2	9,4	-	20	-	29,4
VS10/25-Y-R20-M4-50DP	CT4	5,5	7,5	1533	-	652,5	-	2185,5	12,4	-	26,6	-	39
VS10/32-Y-R20-M4-50DP	CT4	7,5	10	1919	-	730,5	-	2649,5	15,8	-	30,6	-	46,4

PUMPS WITH OIL-FILLED MOTOR

Pump model	Motor type			Dimensions [mm]					Weight [kg]				
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total	
					1 -	3 -	1 -	3 -		1 -	3 -	1 -	3 -
VS10/05-Y-R20-M4-50DP	NBS4	1,1	1,5	425	380	367	805	792	3,7	9,6	8,9	13,3	12,6
VS10/07-Y-R20-M4-50DP	NBS4	1,5	2	527	425	387	952	914	4,4	11,8	9,9	16,2	14,3
VS10/11-Y-R20-M4-50DP	NBS4	2,2	3	760	474	425	1234	1185	6,3	14,1	11,6	20,4	17,9
VS10/14-Y-R20-M4-50DP	NBS4	3	4	913	541	475,7	1454	1388,7	7,6	17	14,1	24,6	21,7
VS10/18-Y-R20-M4-50DP	NBS4	4	5,5	1146	636	541,7	1782	1687,7	9,4	22,7	17	32,1	26,4
VS10/25-Y-R20-M4-50DP	NBS4	5,5	7,5	1533	-	635,7	-	2168,7	12,4	-	22,6	-	35
VS10/32-Y-R20-M4-50DP	NBS4	7,5	10	1919	-	744,7	-	2663,7	15,8	-	28	-	43,8



VS 10 - Performance curves 2850 rpm - 50 Hz



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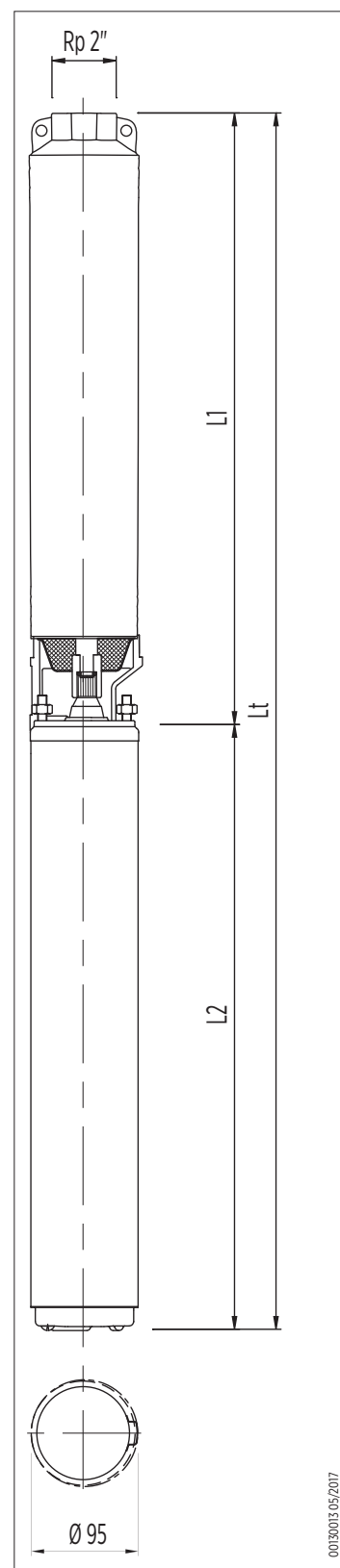
VS 15 - Technical data

PUMPS WITH ENCAPSULATED MOTOR

Pump model	Motor			Dimensions[mm]						Weight [kg]					
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total		1 -	3 -
					1 -	3 -	1 -	3 -		1 -	3 -	1 -	3 -		
VS15/08-Y-R20-M4-50DP	CT4	2,2	3	683	451,2	353,2	1134,2	1036,2	6,07	16,65	11,05	22,72	17,12	-	-
VS15/10-Y-R20-M4-50DP	CT4	3	4	819	-	408,2	-	1227,2	7,17	-	13,55	-	20,72	-	-
VS15/13-Y-R20-M4-50DP	CT4	4	5,5	1022	-	543,2	-	1565,2	8,83	-	20	-	28,83	-	-
VS15/19-Y-R20-M4-50DP	CT4	5,5	7,5	1430	-	652,5	-	2082,5	12,17	-	26,6	-	38,77	-	-
VS15/25-Y-R20-M4-50DP	CT4	7,5	10	1837	-	730,5	-	2567,5	15,53	-	30,6	-	46,13	-	-

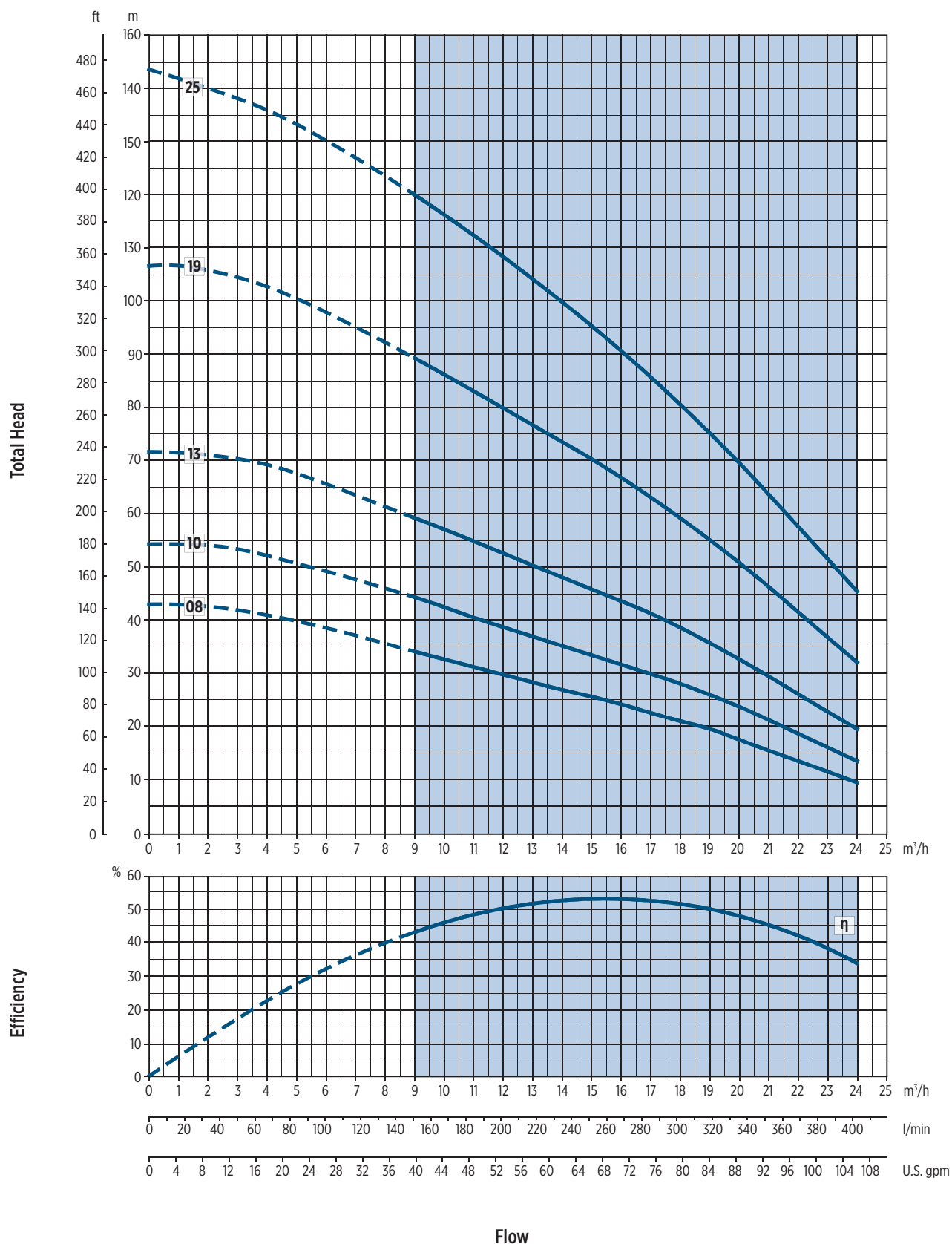
PUMPS WITH OIL-FILLED MOTOR

Pump model	Motor type			Dimensions [mm]						Weight [kg]					
	Type	[kW]	[HP]	L1	L2		Lt		Pump	Motor		Total		1 -	3 -
					1 -	3 -	1 -	3 -		1 -	3 -	1 -	3 -		
VS15/08-Y-R20-M4-50DP	NBS4	2,2	3	683	474	425	1157	1108	6,07	14,1	11,6	20,2	17,7	-	-
VS15/10-Y-R20-M4-50DP	NBS4	3	4	819	541	475,7	1360	1294,7	7,17	17	14,1	24,2	21,3	-	-
VS15/13-Y-R20-M4-50DP	NBS4	4	5,5	1022	636	541,7	1658	1563,7	8,83	22,7	17	31,5	25,8	-	-
VS15/19-Y-R20-M4-50DP	NBS4	5,5	7,5	1430	-	635,7	-	2065,7	12,17	-	22,6	-	34,8	-	-
VS15/25-Y-R20-M4-50DP	NBS4	7,5	10	1837	-	744,7	-	2581,7	15,53	-	28	-	43,5	-	-



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VS 15 - Performance curves 2850 rpm - 50 Hz



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NOTES

This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.

REVISION CHANGES NOTICE

Rev. No.	Changes	Page
01	General features adjusted (number of stages, max. head at minimum flow and shutoff)	5
	Hydraulic performance VS1 models adjusted (VS1/7, VS1/14, VS1/18, VS1/27)	9
	Technical data VS1 models adjusted (VS1/7, VS1/14, VS1/18, VS1/27)	14
	Performance curves VS1 models adjusted (VS1/7, VS1/14, VS1/18, VS1/27)	15
	Performance curves VS3 models adjusted (VS3/5, VS3/28, VS3/38)	19
	Hydraulic performance VS6 models added (VS6/45, VS6/50)	10
	Technical data VS6 models added (VS6/45, VS6/50)	22
	Performance curves VS6 models adjusted (VS6/7, VS6/42, VS6/56) and models added (VS6/45, VS6/50)	23
	Hydraulic performance VS8 models adjusted (VS8/45, VS8/56) and models added (VS8/37, VS8/41, VS8/50)	10
	Technical data VS8 models adjusted (VS8/45, VS8/56) and models added (VS8/37, VS8/41, VS8/50)	24
	Performance curves VS8 models adjusted (VS8/45, VS8/56) and models added (VS8/37, VS8/41, VS8/50)	25
	Hydraulic performance VS10 models adjusted (VS10/25)	11
	Technical data VS10 models adjusted (VS10/25)	26
	Performance curves VS10 models adjusted (VS10/25)	27
02	General features adjusted (number of stages, max. head at minimum flow and shutoff, motor power range)	5
	Family curves adjusted	4
	Hydraulic performance VS1 model added (VS1/33)	9
	Technical data VS1 model added (VS1/33)	14
	Performance curves VS1 models updated	15



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