Franklin Electric

VSI SERIES 50 Hz

SS CAST SUBMERSIBLE PUMPS 8"-10"-12"



FPS

MENU

Franklin Electric

INDEX

SS Cast Submersible Pumps 8"-10"-12" 3
Family curves 4
General features 4
Pump identification code 5
Impeller configuration 5
Pump configuration 6
Product name plate 6

TECHNICAL DATA AND PERFORMANCE CURVES

Hydraulic performance 50 Hz 13
VSI 74 13
VSI 104 14
VSI 134 14
VSI 184 15
VSI 254 16
VSI 344 17
VSI 454 18

Dimensions and performance curves 50 Hz 19
VSI 74 19
VSI 114 27
VSI 134 35
VSI 184 43
VSI 254 51
VSI 344 61
VSI 454 69

Motor brackets 76
VSI 8" 76
VSI 10" 77
VSI 12" 78

Counterflanges 79
VSI 10" 79
VSI 12" 79

Cable guards 80
VSI 8" 80
VSI 10" 80
VSI 12" 80

Motor/Pump connection screws 81

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For the most up-to-date product information, visit **franklinwater.eu**.

VSI SS CAST SUBMERSIBLE PUMPS 8"-10"-12"

- Diffusers and impellers made of investment casting stainless steel
- Balanced impellers
- Spring loaded, robust design check valve with two bearing bushings and one-piece valve cone
- Valve spring in Duplex 2205
- Vesconite Hilube® top bearing bush (closed on top)
- PTFE+Graphite up-thrust bearing
- Shrink fit coupling

OPTIONS

- Cooling shrouds (Accessories)
- SD version with second cable guard
- Different impeller diameters for 10" and 12" pump
- Different constructive metallurgies: CF8/304 (I version), CF8M/316 (N version), DUPLEX (R version)
- Cable guard type H (High)

Corrosion resistance

Drinking water approvals

DM 174-2006

High efficiency
(up to 85 %)



Stainless Steel Cast impellers and diffusers
for high corrosion and abrasion resistance
Semi-axial balanced impellers

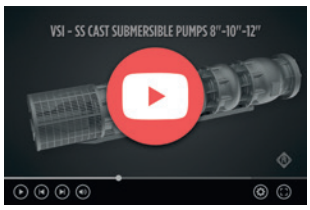




Neck ring and bearings
in EPDM

Shrink fit of the coupling
results in increased transmission torque

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Municipal water works

Drainage and dewatering

General industry

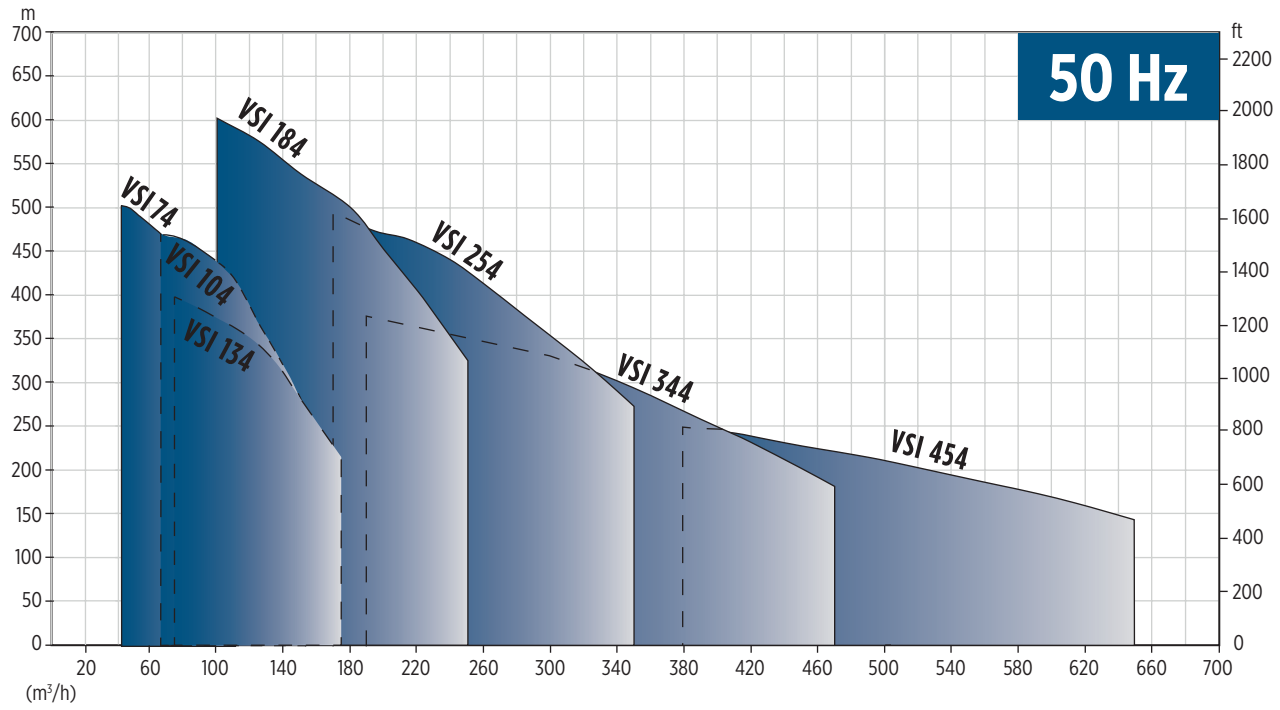
Agriculture, Irrigation

Mining industry

Offshore

VSI SS CAST SUBMERSIBLE PUMPS 8"-10"-12"

FAMILY CURVES



GENERAL FEATURES

Model	8"			10"		12"	
	74	104	134	184	254	344	454
Flow at best efficiency point [m³/h]:	74	114	133	180 (1)	254	334	450
Number of stages:	1-22	1-19	1-20	1-16	1-14	1-7	1-5
Type of impeller:	Semi axial						
Max Liquid temperature [°C]:	+65 (2)						
Hydraulic effciency [%]:	up to 80,8% (1)	up to 82,1% (1)	up to 81,8% (1)	up to 83,5% (1)	up to 83,3% (1)	up to 85% (1)	up to 84% (1)
Flow range [m³/h]:	40-100	60-150	75 - 175	100 - 250 (1)	160 - 350 (1)	250 - 490 (1)	320 - 650 (1)
Max. head at minimum flow [m]:	535	454	398	601	495	362	242
Shutoff [m]:	603	518	436	665	615	433	321
Hydraulic connections (Dimensions):	Rp or NPT 5"			Rp or NPT 6" Flanged D170 w/o counterflange		Flanged D220 with counterflange	
Maximum allowable amount of sand:	100 g/m³						
Motor power range [kW]:	5,5 - 130	9,3 - 150	9,3 - 150	13 - 300	15 - 350	30 - 350	45 - 350
Trimmed impeller diameters:	-	-	-	•	•	•	•
Rotation:	counter clockwise when looking into the discharge						
Operation:	vertical or horizontal position (depends on the paired motor)						
Materials:	CF8/304 - CF8M/316 - DUPLEX						
Drinking water approvals:	ACS, NSF, ICIM DM 174-2006						

(1) Depending on the selected model
(2) Refers to the pump. For electric pumps, please refer to the data table for the motor.
"-" = not available
• = available

VSI SS CAST SUBMERSIBLE PUMPS 8"-10"-12"

PUMP IDENTIFICATION CODE

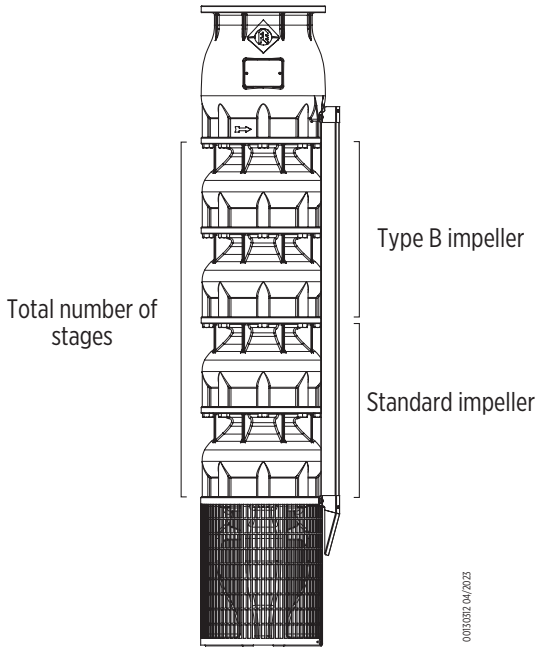
VSI | 184 / 04/2B - I - W | R - M8 - 50 | D | L | E - A

- Special configuration: "Empty" (no special configuration)
- Rubber parts material: "E" (EPDM)
- Cable guard type: "L" (Low), "M" (Medium), "H" (High)
- DOL or Star/Delta: "D" DOL (1 cable guard), "S" Start/ Delta (2 cable guards)
- Frequency: "50" (50 Hz), "60" (60 Hz)
- Motor bracket dimension: "M6" (6"), "M8" (8"), "M10" (10"), "M12" (12")
- Type of threaded connection: "R" (Threaded Rp), "N" (Threaded NPT), "F" (Flanged)
- Check valve: "W" (Pump with check valve)
- Material: "I" (CF8/304), "N" (CF8M/316), "R" (DUPLEX)
- Impeller configuration
- Flow [m^3/h] / Model
- Pump model

00140090 04/2023

IMPELLER CONFIGURATION

Impeller configuration	Total number of stages	Number of impellers	
		Type B impeller	Standard impeller
04/2B	4	2	2



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VSI SS CAST SUBMERSIBLE PUMPS 8"-10"-12"

PRODUCT CODE IDENTIFICATION

97A	0	18	04	07	5	B	00	A

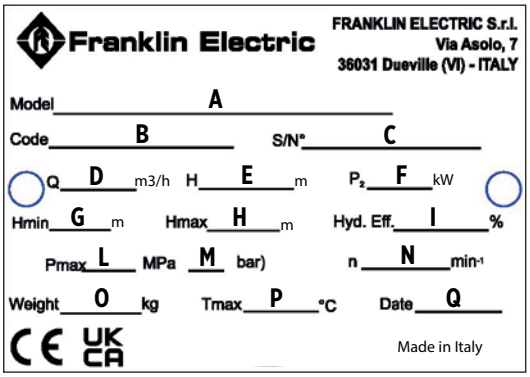
- Special configuration: "Empty" (no special configuration)
- Pump configuration (Digit 13-14)
- Motor bracket dimension: "A" (6"), "B" (8"), "C" (10"), "D" (12")
- Frequency: "50" (50 Hz), "60" (60 Hz)
- Impeller configuration
- Total number of stages
- Flow [m^3/h] / Model: "07" (VSI74), "10" (VSI104) "13" (VSI134), "18" (VSI184), "25" (VSI254), "34" (VSI344), "45" (VSI454)
- Material: "0" (CF8/304), "1" (CF8M/316), "2" (DUPLEX)
- Pump model

00140091 11/2025

PUMP CONFIGURATION

Digit 13-14	Check valve	Type of thread	DOL / SD	Cable guard type	Neck ring material	Bearing material	Diffuser and check valve O-Ring
00	**With check valve**	RP	DOL	Low	EPDM	EPDM	EPDM
01	**With check valve**	RP	SD	Low	EPDM	EPDM	EPDM
32	**With check valve**	RP	DOL	Mid	EPDM	EPDM	EPDM
33	**With check valve**	RP	SD	Mid	EPDM	EPDM	EPDM

PRODUCT NAME PLATE



A) Pump identification code
B) Product code
C) Serial number
D) Operating flow range
E) Operating head range
F) Maximum mechanical power absorbed by the pump with rewindable motor
G) Minimum head
H) Maximum head
I) Maximum pump efficiency
L) Maximum operating pressure [Mpa]
M) Maximum operating pressure [bar]
N) Nominal rotation speed with rewindable motor
O) Pump weight
P) Maximum temperature of the pumped liquid (excluding industrial uses see below)
Q) Year of production

00140092 04/2023

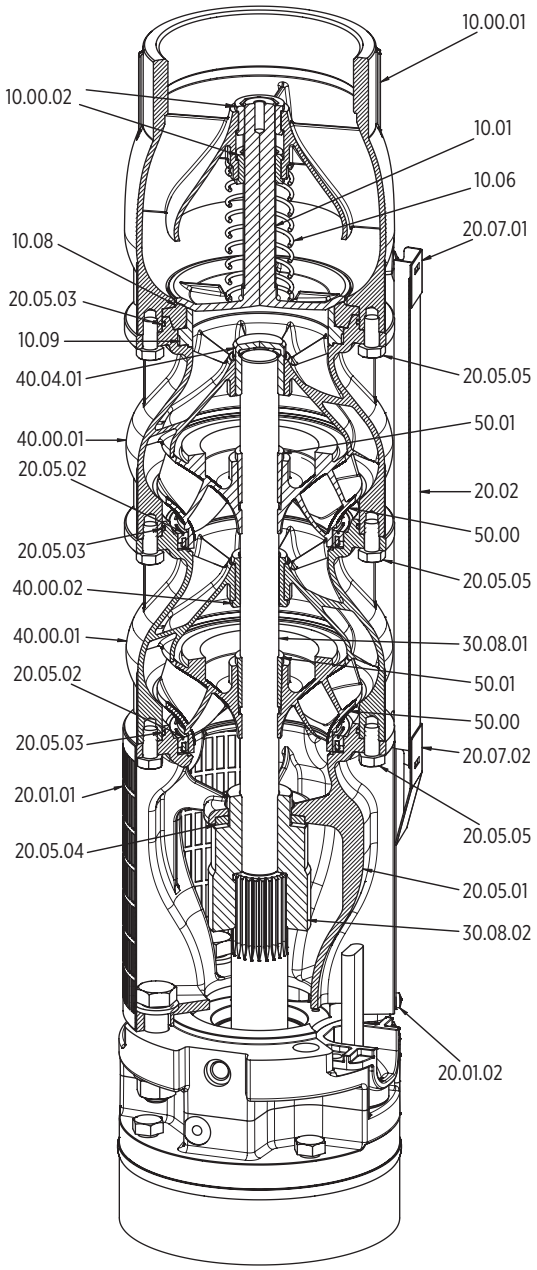
PARTS AND MATERIAL

Ref. No.	Parts description	Material	Reference standard					
			I version		N version		R version	
			ASTM/AISI	DIN/EN	ASTM/AISI	DIN/EN	ASTM/AISI	DIN/EN
10.00.01	Discharge head	Stainless steel	CF8 (304)	1.4308	CF8M (316)	1.4408	-	1.4517
10.00.02	Valve bearing bush	EPDM	-					
10.01	Valve	Stainless steel	CF8 (304)	1.4308	CF8M (316)	1.4408	-	1.4517
10.06	Valve spring	Stainless steel	2205	1.4462	2205	1.4462	2205	1.4462
10.08	Valve gasket	EPDM	-					
10.09	Valve seat	Stainless steel	CF8M (316)	1.4408	CF8M (316)	1.4408	-	1.4517
10.11	Counter flange	Stainless steel	CF8M (316)	1.4408	CF8M (316)	1.4408	-	1.4517
20.01.01	Suction strainer	Stainless steel	316L	1.4404	316L	1.4404	904L	1.4539
20.01.02	Screws	Stainless steel	316	1.4401	316	1.4401	904L	1.4539
20.02	Cable guard	Stainless steel	316L	1.4404	316L	1.4404	904L	1.4539
20.05.01	Motor bracket	Stainless steel	CF8 (304)	1.4308	CF8M (316)	1.4408	-	1.4517
20.05.02	Neck ring	EPDM	-					
20.05.03	O-Ring	EPDM	-					
20.05.04	Up-thrust ring	PTFE + Graphite	-					
20.05.05	Screws	Stainless steel	316	1.4401	316	1.4401	2205	1.4462
20.05.06	Counter flange screws	Stainless steel	2205	1.4462	2205	1.4462	2205	1.4462
20.06.01	Motor adapter	Stainless steel	CF8M (316)	1.4408	CF8M (316)	1.4408	-	1.4517
20.06.02	Screws	Stainless steel	316	1.4401	316	1.4401	2205	1.4462
20.06.03	Washers	Stainless steel	316	1.4401	316	1.4401	2205	1.4462
20.06.04	Coupling adapter	Stainless steel	2205	1.4462	2205	1.4462	2205	1.4462
20.06.05	Stud bolts	Stainless steel	2205	1.4462	2205	1.4462	2205	1.4462
20.06.06	Washers	Stainless steel	2205	1.4462	2205	1.4462	2205	1.4462
20.06.07	Nuts	Stainless steel	2205	1.4462	2205	1.4462	2205	1.4462
20.07.01	Cable guard top end	Stainless steel	316L	1.4404	316L	1.4404	904L	1.4539
20.07.02	Cable guard bottom end	Stainless steel	316L	1.4404	316L	1.4404	904L	1.4539
30.08.01	Pump shaft	Stainless steel	431	1.4057	329	1.4460	329	1.4460
30.08.02	Coupling	Stainless steel	316	1.4401	316	1.4401	2205	1.4462
40.00.01	Diffuser	Stainless steel	CF8 (304)	1.4308	CF8M (316)	1.4408	-	1.4517
40.00.02	Bearing bush	EPDM	-					
40.04.01	Diffuser cap	Vesconite Hilube®	-					
50.00	Impeller	Stainless steel	CF8 (304)	1.4308	CF8M (316)	1.4408	-	1.4517
50.01	Taper lock	Stainless steel	316	1.4401	316	1.4401	329	1.4460

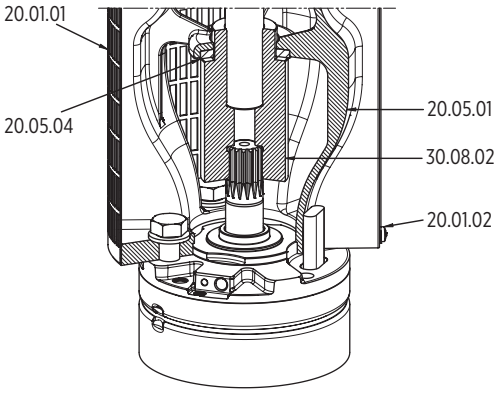
PARTS AND MATERIAL

VSI 8"

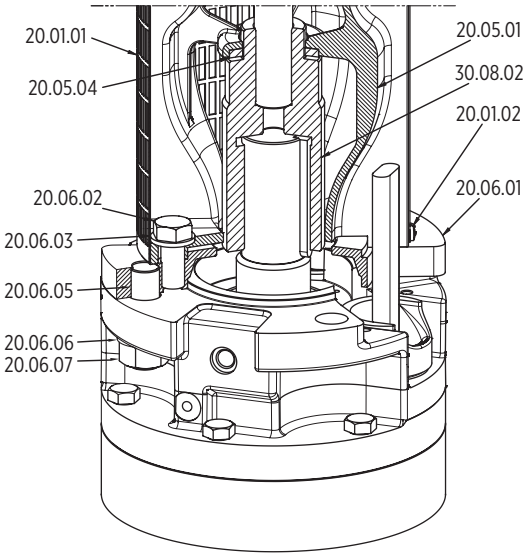
PUMP WITH 8" MOTOR



PUMP WITH 6" MOTOR



PUMP WITH 10" MOTOR

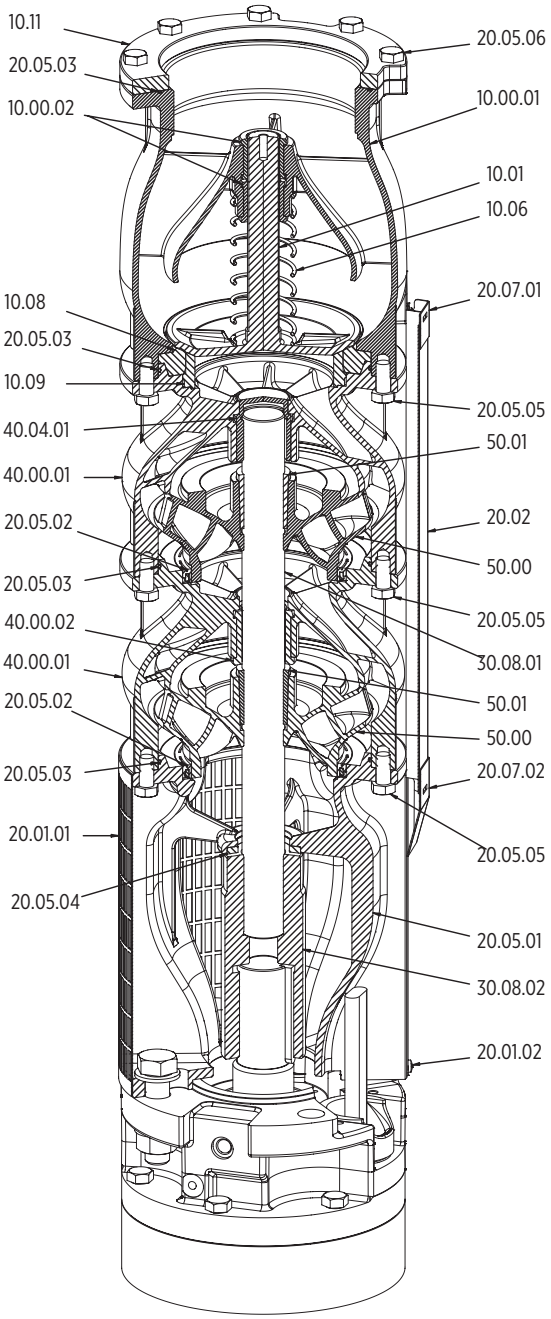


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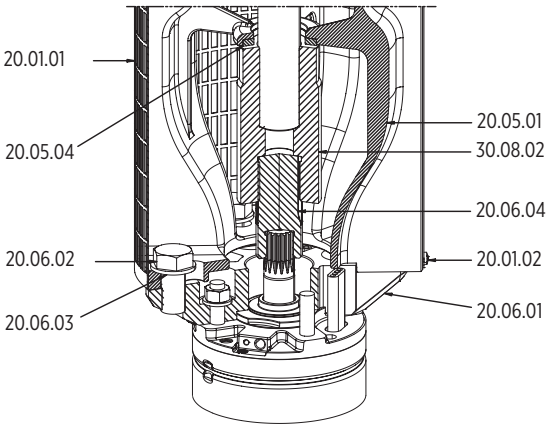
PARTS AND MATERIAL

VSI 10"

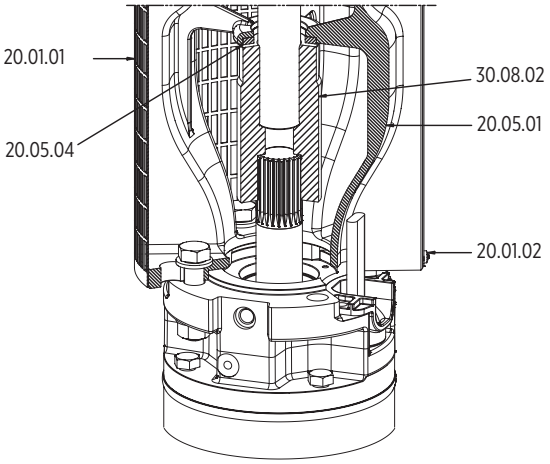
PUMP WITH 10" MOTOR



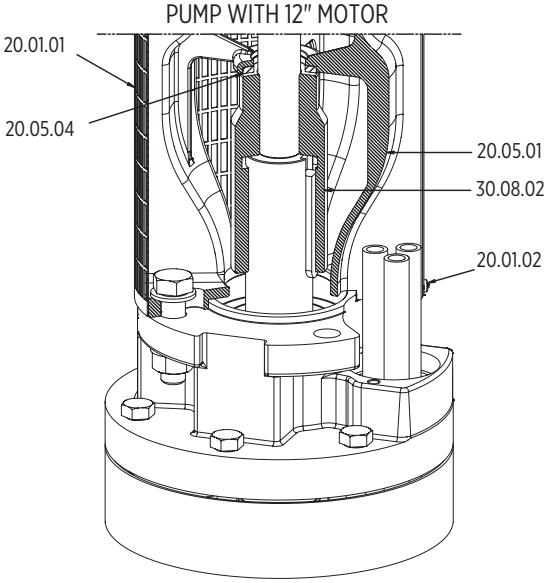
PUMP WITH 6" MOTOR



PUMP WITH 8" MOTOR



PUMP WITH 12" MOTOR

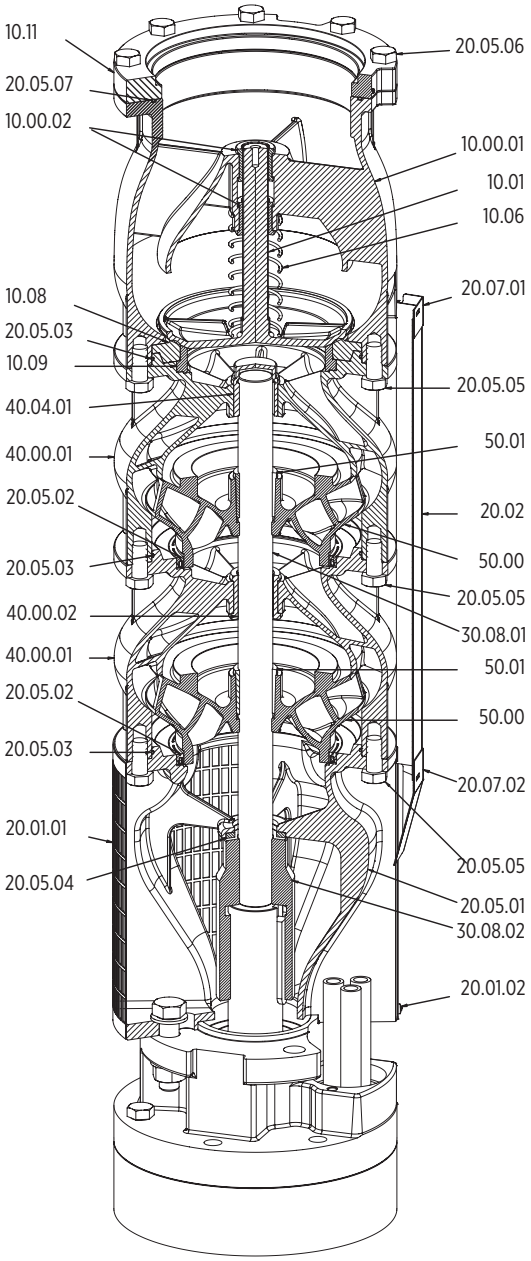


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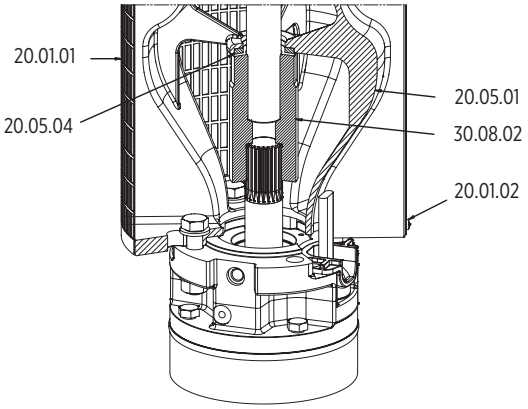
PARTS AND MATERIAL

VSI 12"

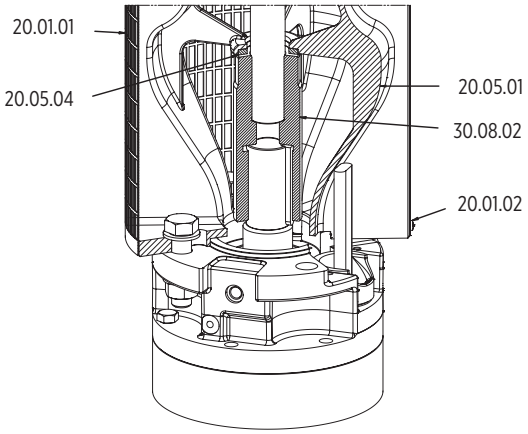
PUMP WITH 12" MOTOR



PUMP WITH 8" MOTOR



PUMP WITH 10" MOTOR



00130307 12/2023

Technical data and performance curves

HYDRAULIC PERFORMANCE 50 Hz

VSI 74

Pump model	Rated power		Q = Delivery									
			m^3/h 0	20	40	50	60	70	80	90	100	110
			l/min 0	334,4	666,6	833,3	1.000	1166,6	1333,3	1500	1666,7	1883,3
			US gpm	87,9	176,1	219,8	263,8	307,8	352,2	395,7	439,7	483,6
	[kW]	[HP]	H = Total meters head of water column [m]									
VSI 74/01	5,5	7,5	27,8	25,1	**23,4**	**22,5**	**21,2**	**19,5**	**17,3**	**14,8**	11,9	8,7
VSI 74/02	11	15	54,7	50,6	**47,2**	**45,2**	**43**	**40**	**35,8**	**30,6**	**25,2**	19,5
VSI 74/03	15	20	81,8	76,1	**71,1**	**68,3**	**65,2**	**61**	**54,8**	**47**	**39,2**	31,1
VSI 74/04	22	30	108,9	101,9	**95,2**	**91,4**	**87,4**	**82**	**73,8**	**63,4**	**53,1**	42,6
VSI 74/05	26	35	135,9	127,4	**119**	**114,1**	**109,1**	**102,4**	**92,1**	**79,1**	**66,3**	53,3
VSI 74/06	30	40	164,0	154,1	**144,3**	**138,7**	**133**	**125,4**	**113,4**	**97,8**	**82,4**	66,9
VSI 74/07	37	50	190,2	178,8	**167,2**	**160,5**	**153,8**	**144,9**	**130,6**	**112,4**	**94,6**	76,8
VSI 74/08	45	60	218,5	205,7	**192,6**	**184,9**	**177,3**	**167,2**	**151,2**	**130,3**	**109,9**	89,6
VSI 74/09	52	70	245,5	231,3	**216,6**	**208**	**199,6**	**188,4**	**170,4**	**146,9**	**124**	101,3
VSI 74/10	55	75	271,7	256	**239,5**	**229,8**	**220,4**	**207,8**	**187,5**	**161,3**	**136,1**	111
VSI 74/11	67	90	299,8	282,7	**264,6**	**254,1**	**243,8**	**230,1**	**208**	**179,3**	**151,5**	123,9
VSI 74/12	67	90	327,5	308,9	**289,2**	**277,8**	**266,6**	**251,8**	**227,8**	**196,4**	**166**	135,9
VSI 74/13	75	100	354,6	334,7	**313,5**	**301,2**	**289,2**	**273,4**	**247,5**	**213,5**	**180,7**	148,1
VSI 74/14	75	100	380,9	359,5	**336,5**	**323,1**	**310,1**	**292,9**	**264,8**	**228,2**	**193**	158
VSI 74/15	93	125	410,2	387,3	**362,8**	**348,5**	**334,6**	**316,4**	**286,6**	**247,4**	**209,4**	172
VSI 74/16	93	125	438,0	413,8	**387,8**	**372,7**	**358,1**	**338,9**	**307,4**	**265,5**	**225**	185
VSI 74/17	93	125	464,5	438,8	**411**	**394,9**	**379,3**	**358,7**	**325**	**280,5**	**237,6**	195,2
VSI 74/18	110	150	492,1	465	**435,7**	**418,9**	**402,6**	**381,1**	**345,8**	**298,8**	**253,3**	208,4
VSI 74/19	110	150	518,5	490	**459**	**441,1**	**423,8**	**401,1**	**363,6**	**314,1**	**266,1**	218,8
VSI 74/20	110	150	544,9	514,8	**482,1**	**463,2**	**445**	**420,9**	**381,3**	**329,1**	**278,7**	229,1
VSI 74/21	130	175	571,2	539,6	**505,1**	**485,2**	**466**	**440,7**	**398,9**	**344**	**291,2**	239,2
VSI 74/22	130	175	603,3	570,5	**534,7**	**513,8**	**493,7**	**467,3**	**423,9**	**366,3**	**310,6**	255,9

Application range

HYDRAULIC PERFORMANCE 50 Hz

VSI 104

Pump model	Rated power		Q = Delivery								
			m^3/h 0	30	60	80	90	100	110	130	150	160,0
			l/min 0	500	1.000	1333,3	1.500	1.666,7	18,333	2166,7	2.500	2,666,7
			US gpm	131,9	263,8	352,2	395,7	439,7	4,836	571.6	659,5	703,5
	[kW]	[HP]	H = Total meters head of water column [m]									
VSI 104/01	7,5	10	26,6	24	**22,2**	**21,1**	**20,7**	**20**	**18,7**	**15.3**	11,2	8,9
VSI 104/02	15	20	53,5	49,1	**45,7**	**43,4**	**42,2**	**40,5**	**38**	**31.4**	**23,6**	18,6
VSI 104/03	22	30	81,0	74,8	**70**	**66,7**	**64,7**	**62,1**	**58,6**	**48.8**	**37,4**	30,6
VSI 104/04	30	40	108,0	100	**93,6**	**89,2**	**86,3**	**82,8**	**78,2**	**65.1**	**50,0**	41,3
VSI 104/05	37	50	136,1	126,2	**118,6**	**113,2**	**109,6**	**105,3**	**99,7**	**83.7**	**64,8**	54,4
VSI 104/06	45	60	162,4	150,7	**141,4**	**134,7**	**130,2**	**124,9**	**118,1**	**98.6**	**76,2**	63,8
VSI 104/07	52	70	190,3	176,8	**166,1**	**158,5**	**153,3**	**147,1**	**139,3**	**116.8**	**90,6**	76,3
VSI 104/08	60	80	216,7	201,4	**189,1**	**180,3**	**174,2**	**167,1**	**158,1**	**132.3**	**102,5**	86,3
VSI 104/09	67	90	244,6	227,5	**214**	**204,3**	**197,5**	**189,6**	**179,6**	**150.9**	**117,3**	99,3
VSI 104/10	75	100	270,9	252	**236,8**	**225,8**	**218,1**	**209,2**	**198,1**	**165.9**	**128,7**	108,8
VSI 104/11	83	110	299,4	278,6	**261,9**	**249,9**	**241,4**	**231,6**	**219,4**	**184.1**	**143,2**	121,5
VSI 104/12	93	125	326,9	304,3	**286,3**	**273,3**	**264**	**253,4**	**240,2**	**201.8**	**157,2**	133,6
VSI 104/13	110	150	354,2	329,8	**310,4**	**296,5**	**286,6**	**275,1**	**261**	**219.7**	**171,3**	145,9
VSI 104/14	110	150	380,5	354,3	**333,3**	**318,3**	**307,5**	**295,1**	**279,7**	**235.1**	**183,2**	155,8
VSI 104/15	110	150	411,0	382,9	**360,6**	**344,5**	**332,9**	**319,6**	**303,2**	**255.6**	**199,6**	170,6
VSI 104/16	130	175	437,5	407,6	**383,6**	**366,3**	**353,7**	**339,4**	**321,8**	**270.8**	**211,3**	180,3
VSI 104/17	130	175	463,9	432,2	**406,5**	**387,8**	**374,3**	**359**	**340,2**	**285.8**	**222,6**	189,7
VSI 104/18	150	200	491,5	458,1	**431,5**	**412,3**	**398,3**	**382,3**	**362,6**	**305.5**	**238,5**	203,8
VSI 104/19	150	200	518,0	482,8	**454,5**	**434**	**419,1**	**402,1**	**381,3**	**320.7**	**250,1**	213,5

Application range

VSI 134

Pump model	Rated power		Q = Delivery											
			m^3/h 0	25	50	75	87,5	100	112,5	125	137,5	150	162,5	175	190
			l/min 0	416,7	833,3	1.250	1.458,3	1.666,7	1.875	2.083,3	2.291,7	2.500	2.708,3	2.916,7	3.166,7
			US gpm	109,9	219,8	329,8	384,7	439,7	494,6	549,6	604,5	659,5	714,5	769,4	835,4
	[kW]	[HP]	H = Total meters head of water column [m]											
VSI134/01	9,3	12,5	23,8	22,4	21,3	**18,3**	**17,7**	**18,1**	**18**	**16,7**	**14,9**	**13,5**	12	9,4	5,7
VSI134/02	15	20	45,1	43,3	41,3	**37,9**	**36,7**	**36,3**	**35,5**	**33,3**	**30,3**	**27**	**23,6**	19,6	13,4
VSI134/03	22	30	66,4	64,3	61,4	**57,5**	**55,8**	**54,7**	**53,2**	**50,2**	**45,9**	**40,8**	**35,5**	30,1	21,4
VSI134/04	30	40	88,4	86	82,2	**77,9**	**75,5**	**73,8**	**71,6**	**67,8**	**62,3**	**55,4**	**48,1**	**41,2**	30,4
VSI134/05	37	50	109,6	106,9	102,1	**97,4**	**94,5**	**92,1**	**89,2**	**84,5**	**77,7**	**69,1**	**59,8**	**51,5**	38,2
VSI134/06	45	60	131,6	128,6	122,9	**117,7**	**114,2**	**111,1**	**107,5**	**102,1**	**94**	**83,6**	**72,4**	**62,6**	47,1
VSI134/07	52	70	152,9	149,5	142,9	**137,3**	**133,3**	**129,5**	**125,2**	**118,9**	**109,6**	**97,3**	**84,2**	**73**	55
VSI134/08	60	80	174,8	171,1	163,6	**157,5**	**153**	**148,5**	**143,6**	**136,4**	**125,9**	**111,9**	**96,7**	**84,1**	63,9
VSI134/09	67	90	196,5	192,4	184	**177,5**	**172,3**	**167,2**	**161,5**	**153,5**	**141,7**	**125,9**	**108,8**	**94,7**	72,2
VSI134/10	75	100	217,9	213,5	204,2	**197,3**	**191,7**	**185,9**	**179,5**	**170,7**	**157,7**	**140,1**	**121**	**105,4**	80,6
VSI134/11	83	110	240,5	235,8	225,6	**218,3**	**212,1**	**205,6**	**198,6**	**189**	**174,9**	**155,5**	**134,4**	**117,2**	90,4
VSI134/12	93	125	262,4	257,5	246,4	**238,7**	**232**	**224,8**	**217,2**	**206,8**	**191,5**	**170,4**	**147,2**	**128,5**	99,6
VSI134/13	110	150	284,1	278,9	266,9	**259**	**251,8**	**244**	**235,7**	**224,7**	**208,2**	**185,3**	**160,1**	**139,8**	108,8
VSI134/14	110	150	305,0	299,4	286,5	**278**	**270,3**	**261,8**	**252,8**	**240,8**	**223**	**198,2**	**171,2**	**149,5**	115,8
VSI134/15	130	175	329,3	323,5	309,7	**300,8**	**292,5**	**283,3**	**273,6**	**260,9**	**242**	**215,7**	**186,4**	**163**	128,1
VSI134/16	130	175	350,3	344,1	329,3	**319,8**	**310,9**	**301**	**290,5**	**276,9**	**256,7**	**228,5**	**197,4**	**172,6**	135,1
VSI134/17	130	175	371,2	364,6	348,9	**338,8**	**329,2**	**318,5**	**307,3**	**292,8**	**271,2**	**241,1**	**208,1**	**182,1**	141,8
VSI134/18	150	200	393,3	386,6	370,1	**360**	**350,1**	**338,9**	**327,1**	**311,9**	**289,3**	**257,6**	**222,4**	**194,6**	152,6
VSI134/19	150	200	414,3	407,2	389,8	**379,1**	**368,6**	**356,6**	**344,1**	**328**	**304**	**270,4**	**233,4**	**204,3**	159,6
VSI134/20	150	200	435,2	427,7	409,3	**398**	**386,8**	**374,1**	**360,8**	**343,8**	**318,5**	**282,9**	**244,1**	**213,7**	166,3

Application range

HYDRAULIC PERFORMANCE 50 Hz

VSI 184

Pump model	Rated power		Q = Delivery												
			m^3/h 0	30	65	75	100	125	150	180	200	220	230	250	280
			l/min 0	500	1.083,3	1.250	1.666,7	2.083,3	2.500	3.000	3.333,3	3.666,7	3.833,3	4.166,7	4.666,7
			US gpm	131,9	285,8	329,8	439,7	549,6	659,5	791,4	879,3	967,3	1.011,2	1.099,2	1.231,1
	[kW]	[HP]	H = Total meters head of water column [m]												
VSI184/01/1B	13	17,5	31,1	29,8	28,8	28,6	**26,8**	**24,6**	**23,1**	**19**	**16,1**	13,1	11,4		
VSI184/01	18,5	25	41,7	39,5	37,5	36,9	**35,2**	**32,5**	**32,2**	**28,6**	**25,4**	**22,1**	**20,5**	16,6	8,6
VSI184/02/2B	26	35	60,7	58,7	56,8	56,6	**54,2**	**50,5**	**46,4**	**39,2**	**33,6**	27,6	24,4		
VSI184/02/1B	30	40	71,9	68,9	66	65,5	**63,2**	**59,1**	**56,1**	**49,5**	**43,5**	**37,3**	**34,2**	27,2	13,8
VSI184/02	37	50	82,8	79,1	75,5	74,8	**72,4**	**68,1**	**65,4**	**59,4**	**53,1**	**47**	**43,7**	**36,7**	23,5
VSI184/03/2B	45	60	101,9	98,3	94,5	94	**91,2**	**85,6**	**80**	**70,5**	**61,7**	**52,5**	**47,8**	37,6	18,4
VSI184/03/1B	52	70	112,9	108,5	104,1	103,4	**100,3**	**94,8**	**89,3**	**80,3**	**71,3**	**62,3**	**57,4**	47,3	28,3
VSI184/03	55	75	124,2	119,1	113,9	112,9	**109,9**	**103,9**	**98,7**	**90,3**	**81**	**72**	**67**	**56,9**	38,2
VSI184/04/2B	60	80	142,5	137,3	132	131,3	**127,4**	**120,7**	**112,5**	**100,3**	**88,4**	**76,6**	**70,1**	56,9	32
VSI184/04/1B	67	90	153,8	147,9	141,8	140,9	**137,1**	**129,9**	**121,9**	**110,4**	**98,2**	**86,4**	**79,9**	**66,6**	42
VSI184/04	75	100	164,9	158,2	151,4	150,3	**146,6**	**139**	**131,4**	**120,5**	**108,2**	**96,3**	**89,7**	**76,5**	52,1
VSI184/05/2B	83	110	184,4	177,8	170,9	170,1	**165,6**	**157,3**	**146,7**	**132,2**	**117,3**	**102,6**	**94,5**	78	47,6
VSI184/05/1B	93	125	195,9	188,5	180,9	179,8	**175,5**	**166,8**	**156,4**	**142,8**	**127,5**	**112,9**	**104,6**	**88,2**	58,1
VSI184/05	93	125	206,5	198,4	190	188,6	**184,4**	**175,2**	**165**	**151,9**	**136,4**	**121,7**	**113,4**	**97,1**	67,2
VSI184/06/2B	110	150	225,4	217,3	208,8	207,8	**202,8**	**193,1**	**180**	**163,3**	**145,3**	**127,7**	**117,9**	**98,3**	62,1
VSI184/06/1B	110	150	236,1	227,2	218	216,7	**211,7**	**201,5**	**188,7**	**172,5**	**154,2**	**136,7**	**126,8**	**107,2**	71,3
VSI184/06	110	150	246,6	237,1	227,1	225,5	**220,5**	**209,8**	**197,3**	**181,6**	**163,1**	**145,6**	**135,6**	**116,1**	80,5
VSI184/07/2B	130	175	267,7	258,1	248	246,7	**241**	**229,6**	**213,9**	**194,8**	**173,6**	**153,2**	**141,8**	**119**	77,5
VSI184/07/1B	130	175	278,4	268	257,1	255,6	**249,9**	**238**	**222,5**	**203,8**	**182,4**	**162,1**	**150,5**	**127,8**	86,6
VSI184/07	130	175	289,0	277,9	266,3	264,5	**258,7**	**246,2**	**231**	**212,8**	**191,1**	**170,8**	**159,2**	**136,5**	95,6
VSI184/08/2B	130	175	307,2	296	284,3	282,8	**276**	**262,7**	**244,5**	**222,3**	**198,1**	**174,9**	**161,9**	**136,1**	89
VSI184/08/1B	150	200	318,9	307,2	294,7	293	**286,7**	**273,3**	**255,5**	**234,4**	**209,9**	**186,8**	**173,5**	**147,7**	100,8
VSI184/08	150	200	329,6	317,1	303,9	301,9	**295,6**	**281,6**	**264**	**243,4**	**218,7**	**195,6**	**182,3**	**156,5**	109,9
VSI184/09/2B	150	200	347,8	335,3	322	320,3	**313**	**298,2**	**277,6**	**253,1**	**225,8**	**199,8**	**185,1**	**156,1**	103,3
VSI184/09/1B	185	250	361,2	348	333,9	332,1	**325,3**	**310,5**	**290,3**	**267,2**	**239,6**	**213,6**	**198,7**	**169,6**	117,1
VSI184/09	185	250	371,9	358	343,1	341	**334,3**	**319**	**299**	**276,4**	**248,6**	**222,7**	**207,6**	**178,7**	126,5
VSI184/10/2B	185	250	390,3	376,3	361,4	359,6	**352**	**335,9**	**312,9**	**286,4**	**256,1**	**227,2**	**210,8**	**178,5**	120,1
VSI184/10/1B	185	250	401,0	386,3	370,6	368,5	**360,9**	**344,3**	**321,5**	**295,5**	**264,9**	**236,1**	**219,6**	**187,4**	129,3
VSI184/10	185	250	411,6	396,2	379,7	377,4	**369,8**	**352,6**	**330,1**	**304,6**	**273,8**	**244,9**	**228,3**	**196,2**	138,4
VSI184/11/2B	220	300	436,8	421,4	404,9	403	**395,4**	**378,5**	**353**	**325,5**	**292**	**260,3**	**242,1**	**206,4**	142,4
VSI184/11/1B	220	300	447,7	431,6	414,3	412,2	**404,6**	**387,2**	**361,9**	**335**	**301,3**	**269,7**	**251,4**	**215,8**	152,2
VSI184/11	220	300	458,7	441,8	423,7	421,3	**413,8**	**395,9**	**370,9**	**344,5**	**310,7**	**279**	**260,6**	**225,2**	162
VSI184/12/2B	220	300	477,4	460,6	442,4	440,3	**432**	**413,4**	**385,3**	**355,2**	**318,7**	**284,1**	**264,3**	**225,5**	155,9
VSI184/12/1B	220	300	488,3	470,7	451,8	449,4	**441,1**	**422**	**394,2**	**364,7**	**327,9**	**293,4**	**273,4**	**234,8**	165,6
VSI184/12	220	300	499,2	480,8	461,2	458,5	**450,3**	**430,6**	**403,1**	**374,1**	**337,1**	**302,7**	**282,6**	**244,1**	175,2
VSI184/13/2B	250	340	517,7	499,4	479,6	477,3	**468,2**	**447,9**	**417,4**	**384,7**	**345**	**307,7**	**286,2**	**244,3**	169,1
VSI184/13/1B	250	340	528,5	509,5	488,9	486,3	**477,3**	**456,5**	**426,2**	**394,1**	**354,2**	**316,9**	**295,2**	**253,5**	178,7
VSI184/13	250	340	539,4	519,5	498,3	495,4	**486,4**	**465,1**	**435**	**403,4**	**363,3**	**326**	**304,3**	**262,6**	188,2
VSI184/14/2B	250	340	557,9	538,1	516,7	514,2	**504,3**	**482,2**	**449,2**	**413,7**	**371**	**330,8**	**307,6**	**262,7**	182
VSI184/14/1B	250	340	568,7	548,2	526	523,2	**513,3**	**490,7**	**457,9**	**422,9**	**380**	**339,8**	**316,6**	**271,7**	191,4
VSI184/14	250	340	579,5	558,2	535,3	532,2	**522,3**	**499,2**	**466,7**	**432,1**	**389**	**348,8**	**325,5**	**280,7**	200,8
VSI184/15/2B	300	400	602,4	581,2	558,2	555,5	**545,5**	**522,5**	**487**	**450,2**	**404,4**	**361,4**	**336,5**	**288,1**	201,7
VSI184/15/1B	300	400	613,3	591,4	567,6	564,7	**554,7**	**531,2**	**495,9**	**459,7**	**413,7**	**370,7**	**345,7**	**297,5**	211,4
VSI184/15	300	400	624,2	601,5	577	573,8	**563,9**	**539,8**	**504,9**	**469,2**	**423**	**380,1**	**355**	**306,9**	221,2
VSI184/16/2B	300	400	642,9	620,2	595,6	592,7	**582**	**557,2**	**519,3**	**479,9**	**431**	**385,2**	**358,6**	**307,2**	215,1
VSI184/16/1B	300	400	653,8	630,4	605	601,8	**591,1**	**565,9**	**528,2**	**489,3**	**440,3**	**394,5**	**367,8**	**316,5**	224,8
VSI184/16	300	400	664,7	640,5	614,3	610,9	**600,2**	**574,5**	**537,1**	**498,7**	**449,5**	**403,8**	**377**	**325,8**	234,4

Application range

HYDRAULIC PERFORMANCE 50 Hz

VSI 254

Pump model	Rated power		Q = Delivery															
			m^3/h 0	40	80	125	140	160,0	170	195	215	240	260	285	310	325	340	350
			l/min 0	666,6	1333,3	2.083,3	2.333,3	2,666,7	2.833,3	3.250	3.583,3	4.000	4.333,3	4.750	5.166,7	5.416,7	5.666,7	5.833,3
			US gpm	176,1	352,2	549,6	615,5	703,5	747,4	857,4	945,3	1.055,2	1.143,1	1.253,1	1.363	1.428,9	1.494,9	1.538,8
	[kW]	[HP]	H = Total meters head of water column [m]															
VSI254/01/1C	15	20	30,8	28,2	26,3	23,7	22,5	21,5	21,9	21,3	19,6	17,1	15	12,2				
VSI254/01/1B	18,5	25	36,1	32,9	30,6	27,7	26,5	25,4	25,9	25,5	24,2	21,7	19,6	16,8	13,7			
VSI254/01/1A	22	30	40,1	36,3	33,7	30,6	29,6	28,4	28,2	28,3	27,7	25,5	23,4	20,6	17,7	16		
VSI254/01	30	40	45,6	41,5	38,6	35,3	34,3	32,9	32,8	32,8	31,8	30,5	28,6	25,8	22,7	20,7	18,6	17
VSI254/02/2B	37	50	72,1	67,2	62,6	58,7	57	54,8	54,8	52,5	50,9	45,8	41,5	36,4	30,9	27,2	22,9	
VSI254/02/1B	45	60	81,0	75,2	70,1	65,7	64,2	61,9	61,3	59,4	57,7	53,8	49,7	44,6	39,1	35,3	31,3	
VSI254/02	52	70	89,7	83,1	77,5	72,7	71,1	69,1	68,5	66,7	65,1	62	58,2	52,6	47	43,3	39,5	36,6
VSI254/03/3B	55	75	108,1	101,6	94,8	89,7	87,5	84,3	83,9	79,6	77,5	70	63,4	56,1	48,1	42,7	36,5	32,1
VSI254/03/2B	67	90	117,0	109,5	102,2	96,8	94,7	91,5	90,3	86,6	84,3	78,1	71,6	64,3	56,3	50,8	44,9	40,7
VSI254/03/1B	75	100	125,8	117,5	109,7	103,8	101,7	98,8	97,6	94,1	91,8	86,4	80,3	72,5	64,4	58,9	53,2	49,1
VSI254/03	83	110	135,3	126,1	117,8	111,4	109,2	106,7	105,5	102,1	99,9	95,3	89,6	81,3	73,1	67,7	62,1	58,2
VSI254/04/3B	83	110	152,9	143,8	134,2	127,7	125,1	121,0	119,3	113,8	110,7	102,2	93,4	83,8	73,4	66,2	58,3	52,8
VSI254/04/2B	93	125	162,1	152,1	142	135,1	132,4	128,7	126,9	121,6	118,6	110,9	102,5	92,4	81,8	74,7	67	61,6
VSI254/04/1B	110	150	171,1	160,3	149,7	142,2	139,6	136,2	134,5	129,3	126,4	119,6	111,5	101	90,4	83,2	75,7	70,4
VSI254/04	110	150	179,5	167,8	156,7	148,8	146,1	143,0	141,3	136,3	133,5	127,3	119,6	108,6	97,9	90,7	83,5	78,3
VSI254/05/3B	110	150	197,2	185,5	173,2	165,2	162	157,4	155,1	148	133,5	134,2	123,5	111,2	98,1	89,2	79,6	72,9
VSI254/05/2B	110	150	205,4	192,9	180,2	171,7	168,4	164,1	161,8	154,8	144,4	141,7	131,4	118,6	105,6	96,6	87,2	80,6
VSI254/05/1B	130	175	216,3	202,8	189,5	180,5	177,2	173,1	170,8	163,9	151,3	151,8	141,8	128,5	115,3	106,4	97,2	90,8
VSI254/05	130	175	224,6	210,3	196,5	187	183,6	179,9	177,5	170,7	160,4	159,3	149,6	135,9	122,6	113,8	104,7	98,4
VSI254/06/3B	150	200	243,5	229,2	214,1	204,6	200,9	195,7	192,8	184	167,3	168,2	155,4	140,4	124,8	114,2	102,8	95
VSI254/06/2B	150	200	251,8	236,7	221,2	211,1	207,3	202,4	199,6	190,9	179,7	175,7	163,4	147,9	132,3	121,7	110,5	102,8
VSI254/06/1B	150	200	260,2	244,3	228,2	217,7	213,8	209,2	206,3	197,7	186,7	183,3	171,3	155,3	139,6	129	118,1	110,5
VSI254/06	150	200	268,5	251,7	235,3	224,2	220,2	215,9	213	204,5	193,6	190,8	179,1	162,7	146,9	136,3	125,6	118,1
VSI254/07/3B	185	250	288,8	272	254,2	243,1	238,9	233,1	229,8	219,3	200,5	201,4	186,7	168,9	150,8	138,5	125,3	116,3
VSI254/07/2B	185	250	297,3	279,6	261,3	249,7	245,4	240,0	236,6	226,2	214,4	209,1	194,8	176,5	158,3	146	133,1	124,2
VSI254/07/1B	185	250	305,7	287,2	268,4	256,3	251,9	246,8	243,4	233,2	221,5	216,7	202,8	184,1	165,8	153,5	140,8	132
VSI254/07	185	250	314,1	294,8	275,5	262,9	258,4	253,6	250,2	240,1	228,5	224,3	210,8	191,6	173,3	161	148,4	139,8
VSI254/08/3B	185	250	331,7	312,4	292	279,3	274,3	267,9	263,9	251,8	235,5	231,2	214,6	194,1	173,5	159,5	144,6	134,4
VSI254/08/2B	220	300	346,6	326,3	305,1	291,9	287,3	281,4	277,7	265,5	246,3	247	230,8	209,7	188,8	174,9	160,1	150
VSI254/08/1B	220	300	355,2	334,1	312,4	298,7	294	288,4	284,8	272,7	260,1	254,9	239,3	217,7	196,7	182,8	168,2	158,2
VSI254/08	220	300	363,9	341,9	319,7	305,5	300,7	295,5	291,8	279,9	267,5	262,8	247,7	225,6	204,6	190,7	176,2	166,4
VSI254/09/3B	220	300	382,0	360,1	336,6	322,4	317,2	310,4	306,1	292,1	274,8	270,5	251,9	228,5	205,2	189,6	172,8	161,4
VSI254/09/2B	220	300	390,6	367,8	343,9	329,2	323,9	317,4	313,1	299,2	286	278,3	260,2	236,4	213	197,3	180,8	169,5
VSI254/09/1B	250	340	399,1	375,5	351,1	335,9	330,5	324,4	320,1	306,4	293,3	286,2	268,6	244,3	220,8	205,2	188,8	177,7
VSI254/09	250	340	407,7	383,2	358,3	342,6	337,2	331,4	327,1	313,5	300,6	294	276,8	252,1	228,6	212,9	196,7	185,8
VSI254/10/3B	250	340	425,7	401,3	375,1	359,4	353,5	346,1	341,3	325,6	307,8	301,5	280,9	254,9	229	211,7	193,2	180,6
VSI254/10/2B	250	340	434,3	409	382,3	366,1	360,1	353,0	348,2	332,6	318,9	309,2	289,1	262,6	236,7	219,3	201	188,6
VSI254/10/1B	250	340	442,8	416,6	389,5	372,8	366,7	359,9	355	339,6	326	316,9	297,2	270,2	244,3	226,9	208,8	196,6
VSI254/10	300	400	455,1	428	400,3	383,1	377,2	370,9	366,3	350,9	333,2	329,8	310,8	283,3	257,1	239,8	221,8	209,6
VSI254/11/3B	300	400	473,4	446,3	417,3	400	393,8	385,9	380,7	363,2	344,7	337,6	315,1	286,3	257,8	238,7	218,4	204,6
VSI254/11/2B	300	400	482,0	454,1	424,6	406,8	400,5	393,0	387,7	370,4	356	345,5	323,5	294,2	265,7	246,6	226,5	212,9
VSI254/11/1B	300	400	490,6	461,9	431,9	413,6	407,2	400,0	394,8	377,6	363,3	353,4	331,9	302,2	273,5	254,5	234,5	221,1
VSI254/11	300	400	499,2	469,6	439,2	420,4	413,9	407,0	401,8	384,7	370,7	361,3	340,3	310,1	281,4	262,3	242,6	229,3
VSI254/12/3B	300	400	517,3	487,8	456,1	437,2	430,4	421,9	416,1	397	378	368,9	344,5	313	281,9	261,2	239,1	224,2
VSI254/12/2B	300	400	525,9	495,5	463,3	444	437	428,9	423,1	404,1	389,1	376,8	352,8	320,8	289,7	269	247,1	232,3
VSI254/12/1B	300	400	534,5	503,2	470,5	450,7	443,7	435,9	430	411,2	396,4	384,6	361,2	328,7	297,5	276,7	255,1	240,5
VSI254/12	350	470	544,6	512,4	479,2	458,9	451,9	444,4	438,7	419,9	403,7	394,3	371,5	338,5	307,2	286,4	264,9	250,5
VSI254/13/3B	350	470	562,7	530,6	496,2	475,7	468,3	459,3	453	432,1	412,6	402	375,6	341,4	307,8	285,3	261,5	245,4
VSI254/13/2B	350	470	571,3	538,3	503,4	482,5	475	466,3	460	439,2	423,7	409,8	384	349,2	315,6	293,1	269,5	253,5
VSI254/13/1B	350	470	579,8	546,1	510,6	489,2	481,7	473,3	466,9	446,3	431	417,6	392,3	357	323,3	300,8	277,4	261,6
VSI254/13	350	470	588,4	553,8	517,9	496	488,3	480,2	473,9	453,4	438,2	425,4	400,5	364,8	331,1	308,6	285,3	269,7
VSI254/14/3B	350	470	606,4	571,8	534,7	512,7	504,7	495,0	488,1	465,6	445,5	432,9	404,6	367,7	331,6	307,4	281,8	264,5
VSI254/14/2B	350	470	615,0	579,5	541,9	519,4	511,3	501,9	495	472,6	456,6	440,6	412,9	375,4	339,3	315	289,7	272,6

Application range

HYDRAULIC PERFORMANCE 50 Hz

VSI 344

Pump model	Rated power		Q = Delivery													
			m³/h 0	160,0	190	200	250	290	310	350	390	410	420	450	470	490	530
			l/min 0	2,666,7	3.166,7	3.333,3	4.166,7	4.833,3	5.166,7	5.833,3	6.500	6.833,3	7.000	7.500	7.833,3	8.166,7	8.833,3
			US gpm	703,5	835,4	879,3	1.099,2	1.275	1.363	1.538,8	1.714,7	1.802,6	1.846,6	1.978,5	2.066,4	2.154,4	2.330,2
	[kW]	[HP]	H = Total meters head of water column [m]														
VSI344/01/1C	30	40	40,7	37,5	**35,1**	**34,3**	**31,2**	**28,2**	**26,1**	**21,4**	16,5	13,8	12,4	8,1	5	4,4	
VSI344/01/1B	37	50	48,8	43,7	**41,8**	**41,3**	**39,3**	**35,8**	**33,6**	**29**	**24**	21,3	20	15,4	12,2	8,5	
VSI344/01/1A	45	60	57,5	50,4	**48**	**47,1**	**46,1**	**43**	**40,9**	**36,1**	**31**	**28,2**	**26,8**	22,2	18,8	15,1	5,6
VSI344/01	55	75	65,8	57,3	**55,3**	**54,5**	**50,9**	**50,9**	**49,1**	**44,4**	**39,2**	**36,3**	**34,9**	**30,6**	27	23,4	14,4
VSI344/02/2B	75	100	97,0	90,5	**87,8**	**86,7**	**82,3**	**76,3**	**71,7**	**62,7**	**52,5**	**47,1**	**44,4**	35,9	29,6	22,9	6,4
VSI344/02/1B	93	125	113,2	103,1	**100,3**	**98,9**	**92,9**	**89,9**	**85,7**	**76,6**	**66,3**	**60,7**	**57,9**	**49,7**	43	36,4	20,9
VSI344/02	110	150	128,9	114,5	**111,6**	**110,3**	**103,6**	**101,5**	**97,9**	**89,1**	**78,9**	**73,7**	**71,1**	**62,5**	**56,3**	49,9	33,9
VSI344/03/2B	130	175	160,8	148,8	**145,2**	**143,2**	**134,8**	**128,7**	**122,1**	**108,6**	**93**	**84,8**	**80,7**	**68,6**	58,7	49,2	27,3
VSI344/03/1B	150	200	176,6	160,6	**156,9**	**155**	**145,9**	**140,8**	**134,8**	**121,6**	**106,1**	**98,3**	**94,4**	**81,8**	72,4	63,2	40,7
VSI344/03	185	250	193,2	173,2	**169,4**	**167,6**	**157,9**	**153,7**	**148,5**	**135,7**	**120,3**	**112,8**	**109**	**96,2**	**87,2**	78,1	55,5
VSI344/04/2B	185	250	223,9	206,3	**201,7**	**199,3**	**187,8**	**179,6**	**171,3**	**153,6**	**133**	**122,5**	**117,3**	**100,8**	88,1	76	47
VSI344/04/1B	220	300	242,8	221,4	**217**	**214,8**	**202,7**	**195,7**	**188,5**	**171,3**	**150,7**	**140,4**	**135,4**	**118,7**	**106,4**	94,2	65,8
VSI344/04	220	300	258,5	232,9	**228,2**	**226,1**	**213,3**	**207**	**200,4**	**183,6**	**163**	**153,1**	**148,3**	**131,3**	**119,4**	**107,6**	78,7
VSI344/05/2B	250	340	289,6	266,4	**261,2**	**258,3**	**243,9**	**233,8**	**224,1**	**202,3**	**176,6**	**163,6**	**157,2**	**136,5**	**121,1**	105,9	70,9
VSI344/05/1B	250	340	305,1	277,7	**272,2**	**269,4**	**254,2**	**244,9**	**235,7**	**214,3**	**188,6**	**176,1**	**169,9**	**148,8**	**133,8**	119,1	83,4
VSI344/05	300	400	322,8	291,5	**285,9**	**283,3**	**267,6**	**259,2**	**251**	**230,1**	**204,5**	**192,2**	**186,2**	**165**	**150,2**	135,7	100,2
VSI344/06/2B	300	400	354,0	325,1	**319,1**	**315,8**	**298,3**	**286,2**	**274,9**	**249,1**	**218,2**	**202,9**	**195,4**	**170,4**	**152,1**	134,2	92,5
VSI344/06/1B	300	400	369,6	336,5	**330,2**	**327**	**308,8**	**297,4**	**286,7**	**261,2**	**230,4**	**215,5**	**208,2**	**182,9**	**165,1**	147,5	105,3
VSI344/06	350	470	386,1	348,9	**342,3**	**339,3**	**320,5**	**309,8**	**299,8**	**274,8**	**244**	**229,5**	**222,3**	**196,9**	**179,3**	**162,1**	119,7
VSI344/07/2B	350	470	417,2	382,4	**375,3**	**371,5**	**351**	**336,6**	**323,4**	**293,5**	**257,5**	**239,9**	**231,2**	**202**	**181**	160,5	111,8
VSI344/07/1B	350	470	432,8	393,7	**386,3**	**382,6**	**361,3**	**347,7**	**335,1**	**305,5**	**269,6**	**252,4**	**243,9**	**214,4**	**193,8**	173,7	124,4

Application range

HYDRAULIC PERFORMANCE 50 Hz

VSI 454

Pump model	Rated power		Q = Delivery																
			m^3/h 0	250	320	330	340	470	490	500	510	520	530	550	560	570	580	600	620
			l/min 0	4.166,7	5.333,3	5.500	5.666,7	7.833,3	8.166,7	8.333,3	8.500	8.666,7	8.833,3	9.166,7	9.333,3	9.500	9.666,7	10.000	10.333,3
			US gpm 0	1.099,2	1.406,9	1.450,9	1.494,9	2.066,4	2.154,4	2.198,3	2.242,3	2.286,3	2.330,2	2.418,2	2.462,1	2.506,1	2.550,1	2.638	2.725,9
	[kW]	[HP]	H = Total meters head of water column [m]																
VSI454/01/1F	45	60	45,9	34,1	**32,5**	**33,4**	**33,5**	**24**	22,3	21,4	20,5	19,6	18,7	16,7	15,6	14,6	13,7	11,8	0
VSI454/01/1E	45	60	49,1	36,6	35,5	**36,2**	**36,2**	**26,9**	**25,2**	24,4	23,6	22,7	21,8	19,9	18,9	17,9	16,9	14,6	12,2
VSI454/01/1D	52	70	53,8	39,5	36,8	**37,4**	**38**	**30,2**	**28,5**	**27,6**	**26,7**	25,8	24,8	22,9	22	21,1	20,1	18	15,5
VSI454/01/1C	55	75	57,3	42,2	**40,6**	**41**	**41,1**	**33,2**	**31,4**	**30,6**	**29,7**	**28,8**	27,9	26	25	24,1	23,2	21,1	18,8
VSI454/01/1B	60	80	60,2	44,3	**42,4**	**42,8**	**43,1**	**35,9**	**34,1**	**33,2**	**32,4**	**31,5**	**30,7**	28,9	28	27	26	24,2	22,1
VSI454/01/1A	67	90	64,6	47,7	45,7	**46,4**	**46,8**	**39,8**	**38,2**	**37,4**	**36,6**	**35,8**	**34,9**	**33**	32	31	30	28	25,8
VSI454/01	75	100	69,2	50,8	48,4	48,8	**49,2**	**44,3**	**42,7**	**41,9**	**41,1**	**40,2**	**39,4**	**37,6**	**36,7**	**35,9**	**35,1**	**33,3**	31
VSI454/02/2F	83	110	87,2	69,7	64,9	**65**	**64,3**	**46,5**	**43,4**	41,8	40,1	38,5	36,8	33,2	31,3	29,3	27,4	23,4	18,9
VSI454/02/2E	93	125	94,4	75,8	70,7	**70,7**	**70,3**	**53**	**49,8**	**48,3**	**46,7**	45,1	43,4	40	38,1	36,2	34,2	29,9	25,3
VSI454/02/2C	110	150	109,3	85,8	**81,8**	**81,4**	**80,7**	**64,4**	**61,2**	**59,7**	**58**	**56,4**	**54,7**	**51,3**	49,6	47,7	45,7	41,5	37,3
VSI454/02/1D	130	175	119,3	93	86,6	86,3	**86**	**73,7**	**70,5**	**68,9**	**67,3**	**65,6**	**64**	**60,5**	**58,8**	**57,1**	55,4	51,9	47,8
VSI454/02/1A	150	200	129,7	101,7	96,6	96,3	**96**	**83,7**	**80,5**	**78,9**	**77,4**	**75,8**	**74,1**	**70,7**	**69**	**67,2**	**65,4**	**61,6**	57,7

Application range

Pump model	Rated power		Q = Delivery															
			m^3/h 0	330	340	350	360	550	560	570	580	600	620	630	640	650	660	
			l/min 0	5.500	5.666,7	5.833,3	6.000	9.166,7	9.333,3	9.500	9.666,7	10.000	10.333,3	10.500	10.666,7	10.833,3	11.000	
			US gpm 0	1.450,9	1.494,9	1.538,8	1.582,8	2.418,2	2.462,1	2.506,1	2.550,1	2.638	2.725,9	2.769,9	2.813,9	2.857,8	2.901,8	
	[kW]	[HP]	H = Total meters head of water column [m]															
VSI454/03/1E1F	150	200	155,1	114,4	113,4	**112,6**	**112**	**73,2**	70,6	67,9	65,1	59,1						
VSI454/03/2D	185	250	168,8	123,5	**122,6**	**121,5**	**120,5**	**83,1**	**80,6**	**78**	75,5	70,2	64,2	61	57,6			
VSI454/03/1F	185	250	175,2	131,4	130,5	**129,6**	**128,7**	**91,3**	**88,8**	**86,2**	**83,5**	77,8	71,7					
VSI454/03/1C	220	300	188,9	143,2	142,2	**141**	**139,7**	**103,8**	**101,3**	**98,7**	**96**	**90,4**	84,2	81,1	78	74,8	71,6	
VSI454/03	220	300	200,7	152,9	152,3	151,5	**150,5**	**115,2**	**112,7**	**110,2**	**107,7**	**102,4**	**96,2**	**93,1**	**90**	**87**	83,9	
VSI454/04/2E	250	340	226,0	170,7	169,4	**168,2**	**167,2**	**116,9**	**113,5**	**110**	**106,4**	98,5	90,1	86	81,9			
VSI454/04/1C1D	250	340	237,5	179,4	177,7	**175,9**	**174,2**	**125**	**121,6**	**118,2**	**114,7**	**107,2**	99,2	95,1	90,9			
VSI454/04/1E	300	400	244,8	186,4	185,2	183,9	**182,6**	**133,5**	**130,1**	**126,7**	**123,2**	**115,7**	107,4	103,3	99,4			
VSI454/04/1B	300	400	256,9	197,5	196,1	194,5	**192,8**	**144,4**	**140,9**	**137,5**	**134**	**126,7**	**118,7**	114,6	110,6	106,5	102,5	
VSI454/04	300	400	265,7	204,4	203,4	202	**200,5**	**153,2**	**149,8**	**146,5**	**143,2**	**136,1**	**127,9**	**123,8**	**119,8**	**116**	112,1	
VSI454/05/1E1F	300	400	287,7	219,7	217,7	215,9	**214,4**	**151,8**	**147,6**	**143,3**	**138,8**	**129,3**	118,9					
VSI454/05/2D	300	400	300,0	227,5	225,5	223,5	**221,6**	**160,1**	**155,9**	**151,7**	**147,5**	**138,7**	128,7	123,5	118,3			
VSI454/05/1F	350	470	307,4	236,4	234,5	232,6	**230,8**	**169,7**	**165,5**	**161,3**	**157**	**147,8**	137,5					
VSI454/05/1B	350	470	320,9	247,8	245,9	243,7	**241,6**	**180,8**	**176,6**	**172,3**	**168**	**158,9**	**148,8**	143,8	138,9	134	129,1	

Application range

VSI 74 - 50 Hz

TECHNICAL DATA - PUMP END

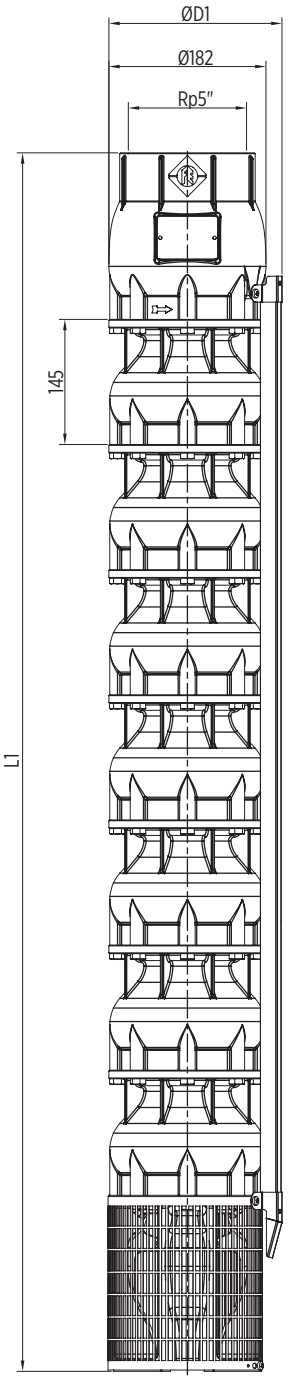
Pump model	Motor bracket type	Cable guard type [12]	Dimensions [mm]			Net weight [kg]
			L1	ØD1 [3]		
				DOL	SD	Pump
VSI 74/01	M6	L	532	202	209	26
VSI 74/02	M6	L	667	202	209	35
VSI 74/03	M6	L	802	202	209	44,5
VSI 74/04	M6	L	937	202	209	53,5
VSI 74/05	M6	L	1072	202	209	62,5
VSI 74/06	M6	L	1207	202	209	71,5
VSI 74/07	M6	L	1342	202	209	80,5
VSI 74/08	M6	L	1477	202	209	89,5
	M8	M	1477	202	209	89,5
VSI 74/09	M8	L	1612	202	209	98,5
VSI 74/10	M8	L	1747	202	209	108
VSI 74/11	M8	L	1882	202	209	117
VSI 74/12	M8	L	2017	202	209	126
VSI 74/13	M8	L	2152	202	209	135
VSI 74/14	M8	L	2287	202	209	144
VSI 74/15	M8	L	2422	202	209	153
VSI 74/16	M8	L	2557	202	209	162
VSI 74/17	M8	L	2692	202	209	171
VSI 74/18	M8	L	2827	202	209	180,5
	M10 [7]	M	2848	210	221	184
VSI 74/19	M8	L	2962	202	209	189,5
	M10 [7]	M	2983	210	221	193
VSI 74/20	M8	L	3097	202	209	198,5
	M10 [7]	M	3118	210	221	202
VSI 74/21	M8	L	3232	202	209	207,5
	M10 [7]	M	3253	210	221	211
VSI 74/22	M8	L	3367	202	209	216,5
	M10 [7]	M	3388	210	221	220

[3] ØD1: maximum pump diameter

[7] Pump with kit motor adapter. Already included in length and weight values.

For more information see page 76.

[12] Low (L); Medium (M); High (H). For more information see page 80.



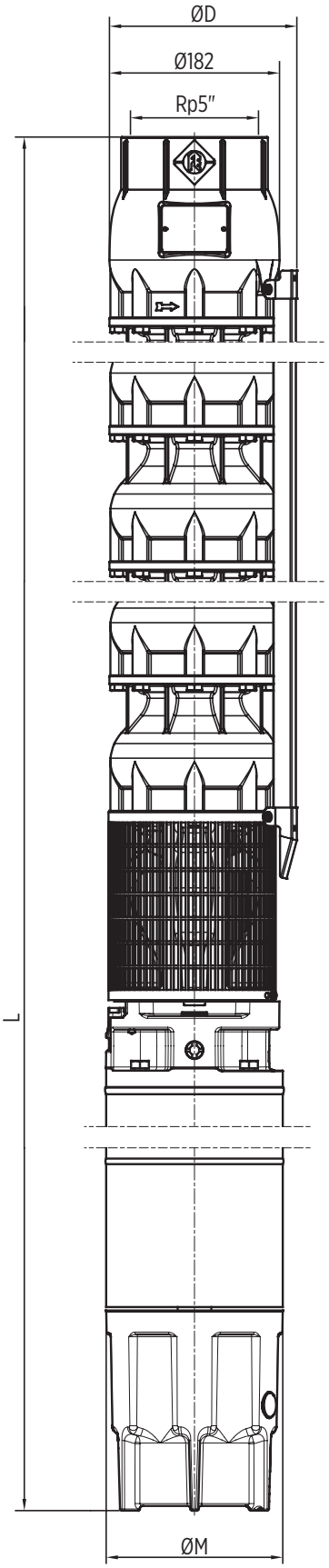
0013031I 04/2023

VSI 74 - 50 Hz

TECHNICAL DATA - PUMPS WITH ENCAPSULATED MOTORS

Pump model	Motor			Dimensions [mm]				Net weight [kg]
	Type	[kW]	[HP]	L	ØD [4]		ØM	PMA
				PMA	DOL	SD		
VSI 74/01	CT6	5,5	7,5	1168	209	142	137	67
VSI 74/02	CT6	11	15	1368	209	142	137	84
VSI 74/03	CT6	15	20	1568	209	142	137	99,5
VSI 74/04	CT6	22	30	1833	209	142	137	121,5
VSI 74/05	CT6	30	40	2098	209	142	137	143,5
VSI 74/06	CT6	30	40	2233	209	142	137	152,5
VSI 74/07	CT6	37	50	2819	209	142	137	198,5
VSI 74/08	CT6	45	60	3106	209	142	137	223,5
VSI 74/09	CT8	55	75	2876	212	194	191	294,5
VSI 74/10	CT8	55	75	3011	212	194	191	304
VSI 74/11	CT8	75	100	3337	212	194	191	349
VSI 74/12	CT8	75	100	3472	212	194	191	358
VSI 74/13	CT8	75	100	3607	212	194	191	367
VSI 74/14	CT8	75	100	3742	212	194	191	376
VSI 74/15	CT8	93	125	4170	212	194	191	443
VSI 74/16	CT8	93	125	4305	212	194	191	452
VSI 74/17	CT8	93	125	4440	212	194	191	461
VSI 74/18	CT8	110	150	4803	212	194	191	514,5
VSI 74/19	CT8	110	150	4938	212	194	191	523,5
VSI 74/20	CT8	110	150	5073	212	194	191	532,5
VSI 74/21	CT8	130	175	5411	212	194	191	587,5
VSI 74/22	CT8	130	175	5546	212	194	191	596,5

[4] ØD: maximum electropump diameter

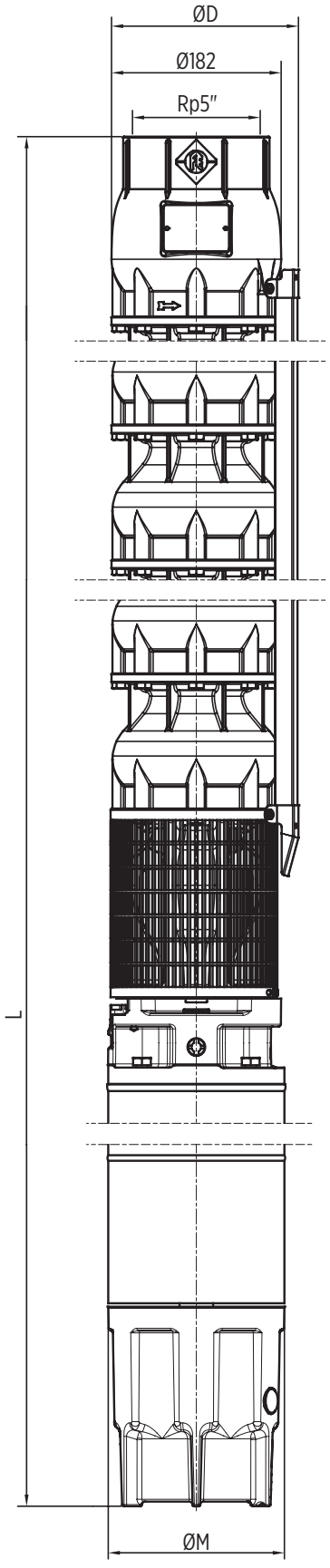


VSI 74 - 50 Hz

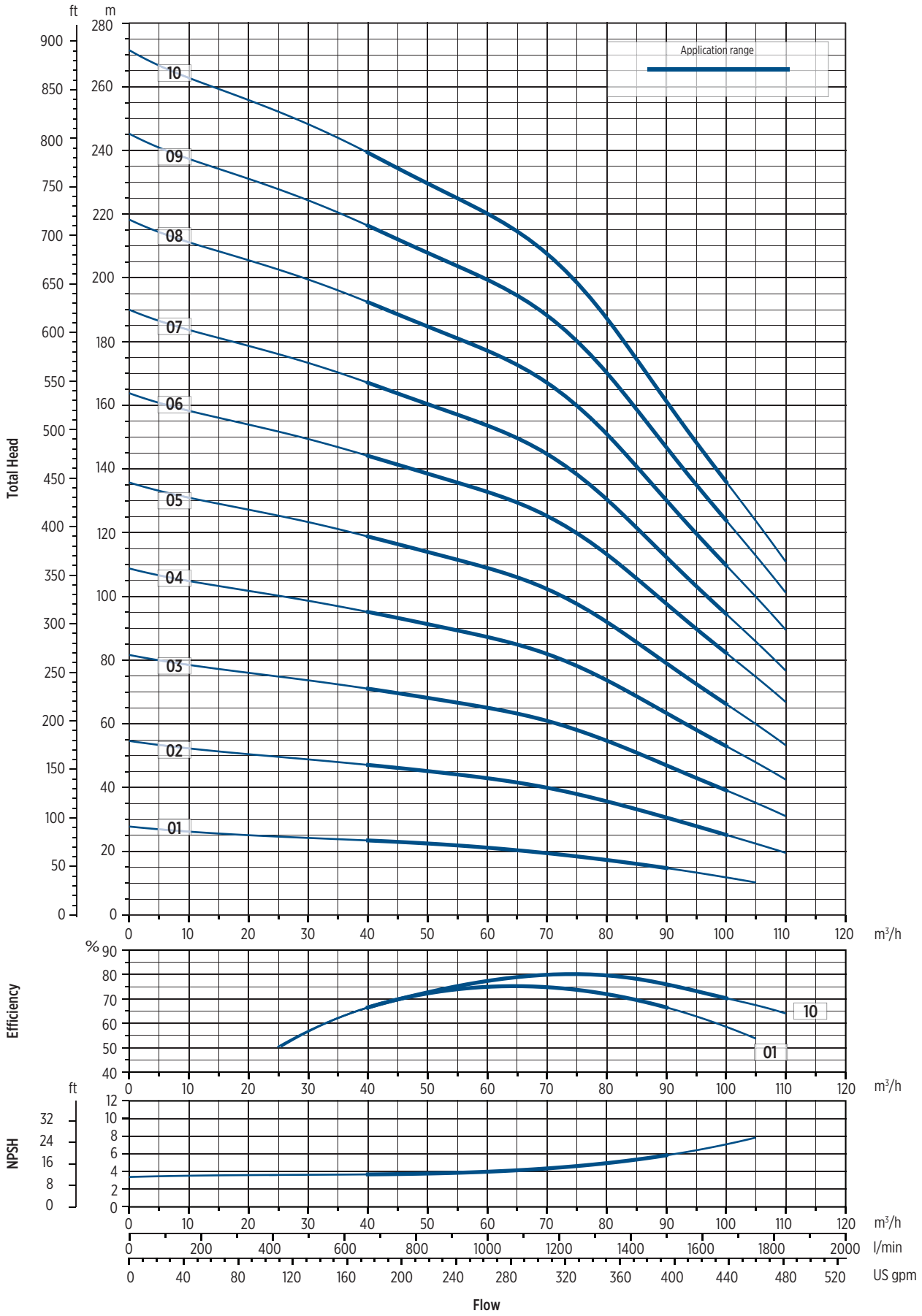
TECHNICAL DATA - PUMPS WITH REWINDABLE MOTORS

Pump model	Motor			Dimensions [mm]				Net weight [kg]
	Type	[kW]	[HP]	L	ØD [4]		ØM	PMA
				PMA	DOL	SD		
VSI 74/01	RW6	5,5	7,5	1211	202	209	142	69
VSI 74/02	RW6	11	15	1426	202	209	142	88
VSI 74/03	RW6	15	20	1656	202	209	142	105,5
VSI 74/04	RW6	22	30	1926	202	209	142	130,5
VSI 74/05	RW6	26	35	2166	202	209	142	150,5
VSI 74/06	RW6	30	40	2401	202	209	142	169,5
VSI 74/07	RW6[9]	37	50	2616	202	209	142	185,5
VSI 74/08	RW8	52	70	2707	207	212	194	0
VSI 74/09	RW8	55	75	2952	207	212	194	277,5
VSI 74/10	RW8	67	90	3087	207	212	194	287
VSI 74/11	RW8	67	90	3352	207	212	194	315
VSI 74/12	RW8	75	100	3487	207	212	194	324
VSI 74/13	RW8	75	100	3712	207	212	194	350
VSI 74/14	RW8	93	125	3847	207	212	194	359
VSI 74/15	RW8[9]	93	125	4162	207	212	194	400
VSI 74/16	RW8[9]	93	125	4297	207	212	194	409
VSI 74/17	RW8[9]	110	150	4432	207	212	194	418
VSI 74/18	RW10	110	150	4377	235	235	235	0
VSI 74/19	RW10	110	150	4512	235	235	235	508
VSI 74/20	RW10	130	175	4647	235	235	235	517
VSI 74/21	RW10	130	175	4912	235	235	235	573
VSI 74/22	RW10	130	175	5047	235	235	235	582

[9] Motor may not be installed horizontally (if required please contact Franklin Electric).
[4] ØD: maximum electropump diameter



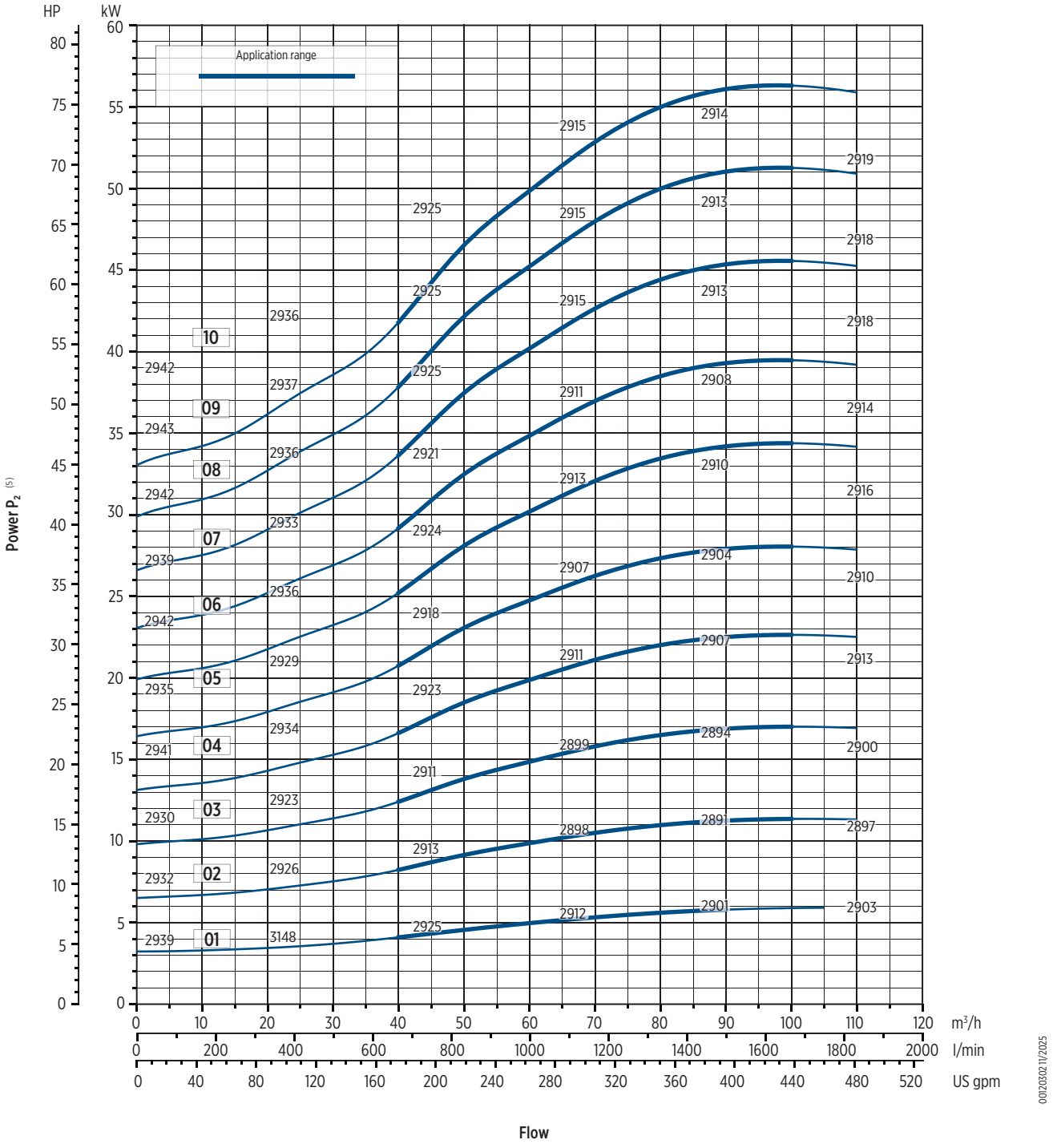
VSI 74 - 50 Hz



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

00120302 11/2025

VSI 74 - 50 Hz



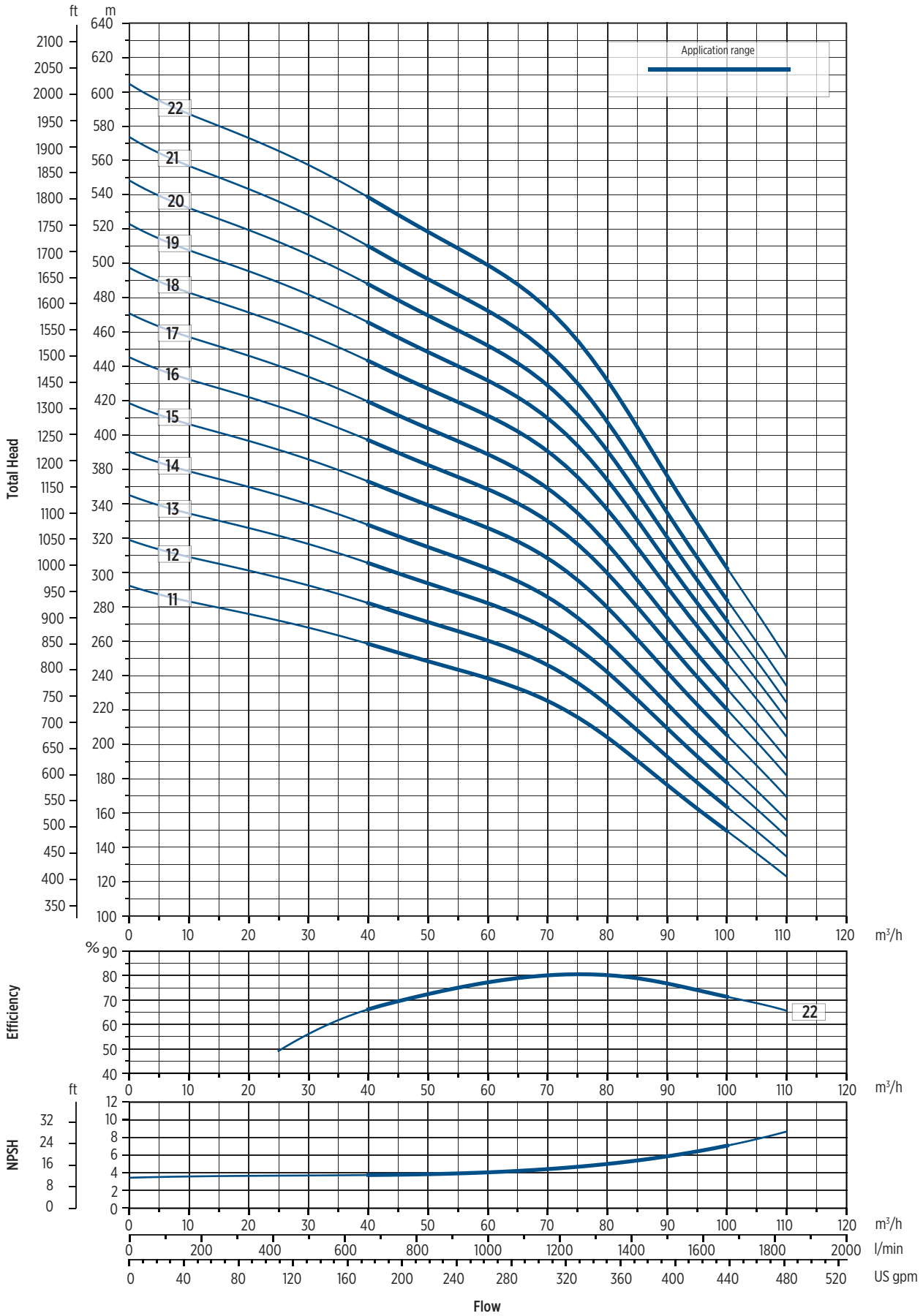
(5) Motor speed referred to rewindable motor

Performance curves of Q, H and P depend on the rpm number according to the following formula:

$$Q_2 = Q_1 \cdot \left(\frac{n_2}{n_1}\right) \quad , \quad H_2 = H_1 \cdot \left(\frac{n_2}{n_1}\right)^2 \quad , \quad P_2 = P_1 \cdot \left(\frac{n_2}{n_1}\right)^3 \quad , \quad \eta \text{ remains approximately the same.}$$

The rpm number related to the performance curves (Q-H-P) is indicated in the power chart.
Performance curves (Q-H-P) will change according to the formulas above.
Q=Flow, H=Head, P=Power, η=Efficiency

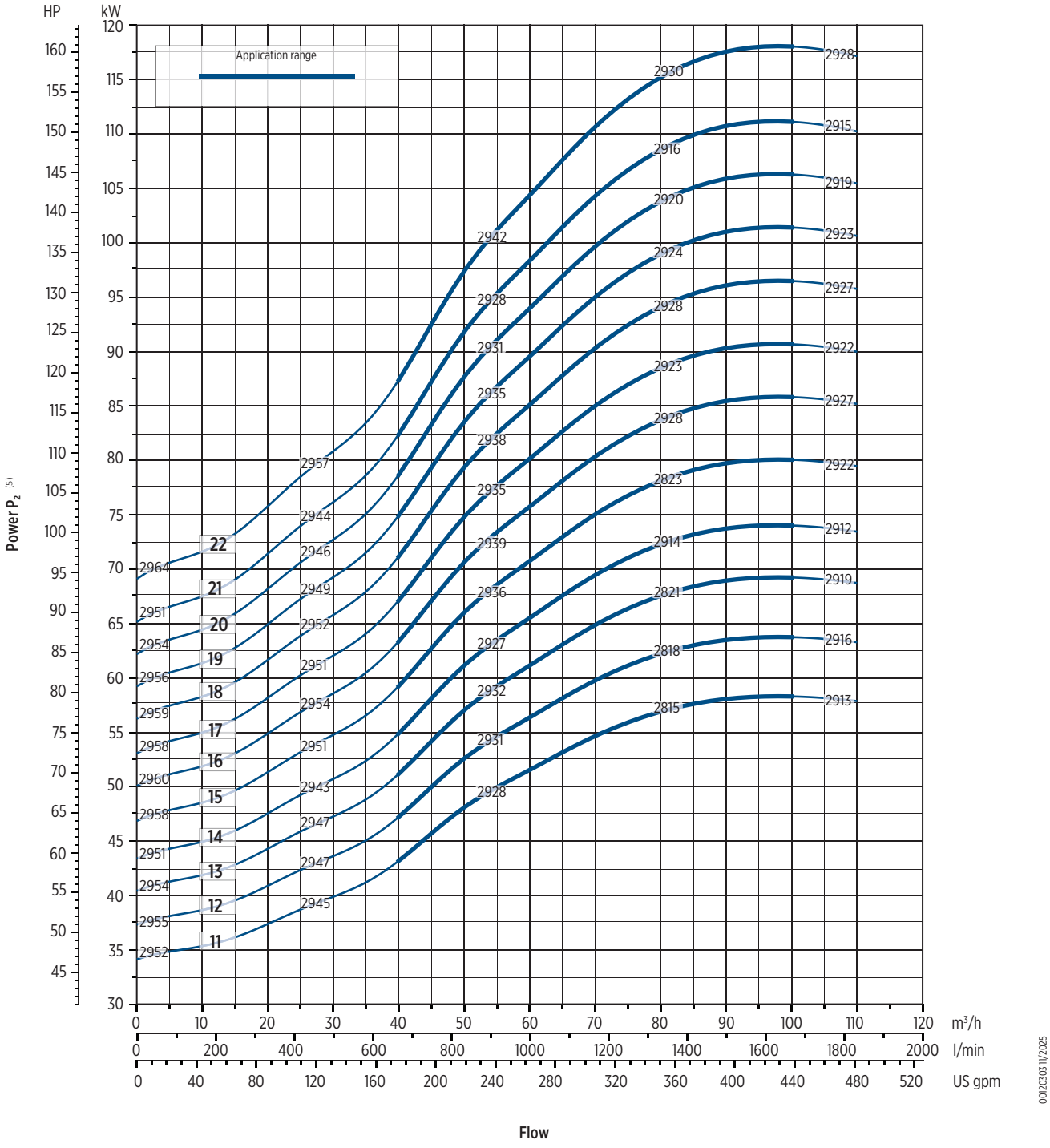
VSI 74 - 50 Hz



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

00120303 11/2025

VSI 74 - 50 Hz



(5) Motor speed referred to rewindable motor

Performance curves of Q, H and P depend on the rpm number according to the following formula:

$$Q_2 = Q_1 \cdot \left(\frac{n_2}{n_1}\right) \quad , \quad H_2 = H_1 \cdot \left(\frac{n_2}{n_1}\right)^2 \quad , \quad P_2 = P_1 \cdot \left(\frac{n_2}{n_1}\right)^3 \quad , \quad \eta \text{ remains approximately the same.}$$

The rpm number related to the performance curves (Q-H-P) is indicated in the power chart.
Performance curves (Q-H-P) will change according to the formulas above.
Q=Flow, H=Head, P=Power, η=Efficiency

VSI 104 - 50 Hz

TECHNICAL DATA - PUMP END

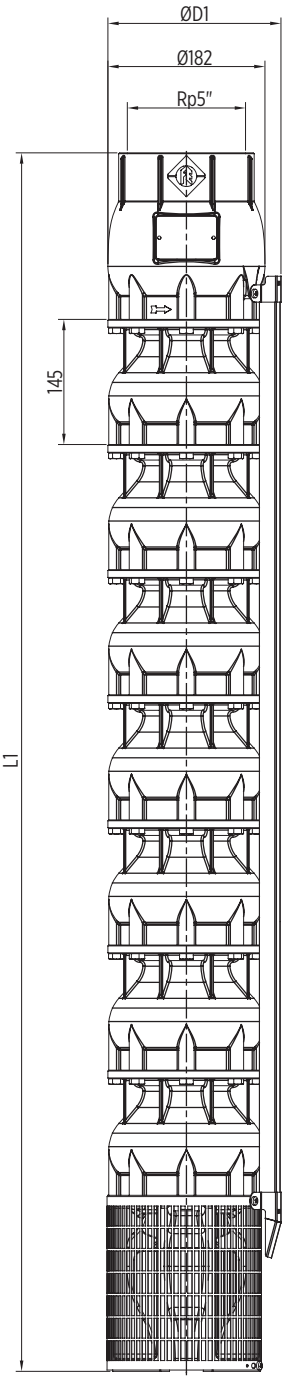
Pump model	Motor bracket type	Cable guard type [12]	Dimensions [mm]			Net weight [kg]
			L1	ØD1 [3]		
				DOL	SD	Pump
VSI 104/01	M6	L	537	202	209	17,5
VSI 104/02	M6	L	677	202	209	26
VSI 104/03	M6	L	817	202	209	34,5
VSI 104/04	M6	L	957	202	209	43,5
VSI 104/05	M6	L	1097	202	209	52
VSI 104/06	M6	L	1237	202	209	60,5
	M8	L	1237	202	209	60,5
VSI 104/07	M8	L	1377	202	209	69
VSI 104/08	M8	L	1517	202	209	77,5
VSI 104/09	M8	L	1657	202	209	86
VSI 104/10	M8	L	1797	202	209	94,5
VSI 104/11	M8	L	1937	202	209	103
VSI 104/12	M8	L	2077	202	209	111,5
VSI 104/13	M8	L	2217	202	209	120
	M10 [7]	M	2217	210	221	123,5
VSI 104/14	M8	L	2357	202	209	128,5
	M10 [7]	M	2357	210	221	132
VSI 104/15	M8	L	2497	202	209	137
	M10 [7]	M	2497	210	221	140,5
VSI 104/16	M8	L	2637	202	209	145,5
	M10 [7]	M	2637	210	221	149
VSI 104/17	M8	L	2777	202	209	154
	M10 [7]	M	2777	210	221	157,5
VSI 104/18	M8	L	2917	202	209	162,5
	M10 [7]	M	2917	210	221	166
VSI 104/19	M8	L	3057	202	209	171
	M10 [7]	M	3057	210	221	174,5

[3] ØD1: maximum pump diameter

[7] Pump with kit motor adapter. Already included in length and weight values.

For more information see page 76.

[12] Low (L); Medium (M); High (H). For more information see page 80.



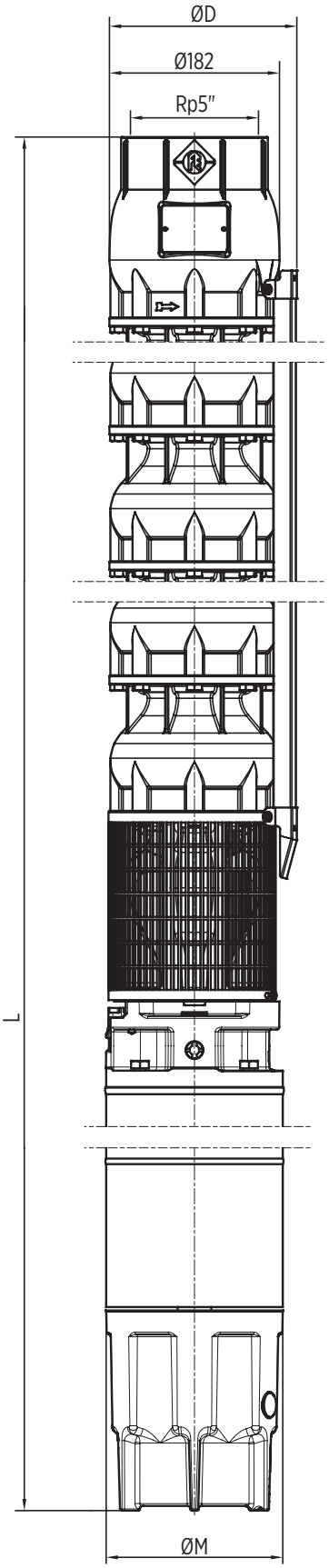
0013031I 04/2023

VSI 104 - 50 Hz

TECHNICAL DATA - PUMPS WITH ENCAPSULATED MOTORS

Pump model	Motor			Dimensions [mm]				Net weight [kg]
	Type	[kW]	[HP]	L	ØD [4]		ØM	PMA
				PMA	DOL	SD		
VSI 104/01	CT6	7,5	10	1173	209	142	137	61,5
VSI 104/02	CT6	15	20	1443	209	142	137	81
VSI 104/03	CT6	22	30	1713	209	142	137	102,5
VSI 104/04	CT6	30	40	1983	209	142	137	124,5
VSI 104/05	CT6	37	50	2574	209	142	137	170
VSI 104/06	CT6	45	60	2866	209	142	137	194,5
VSI 104/06	CT8	55	75	2641	209	142	191	265
VSI 104/08	CT8	75	100	2972	209	142	191	309,5
VSI 104/09	CT8	75	100	3112	209	142	191	318
VSI 104/10	CT8	75	100	3252	209	142	191	326,5
VSI 104/11	CT8	93	125	3685	209	142	191	393
VSI 104/12	CT8	93	125	3825	209	142	191	401,5
VSI 104/13	CT8	110	150	4193	209	142	191	454
VSI 104/14	CT8	110	150	4333	209	142	191	462,5
VSI 104/15	CT8	110	150	4473	209	142	191	471
VSI 104/16	CT8	130	175	4816	209	142	191	525,5
VSI 104/17	CT8	130	175	4956	209	142	191	534
VSI 104/18	CT8	150	200	5325	209	142	191	591,5
VSI 104/19	CT8	150	200	5465	209	142	191	600

[4] ØD: maximum electropump diameter

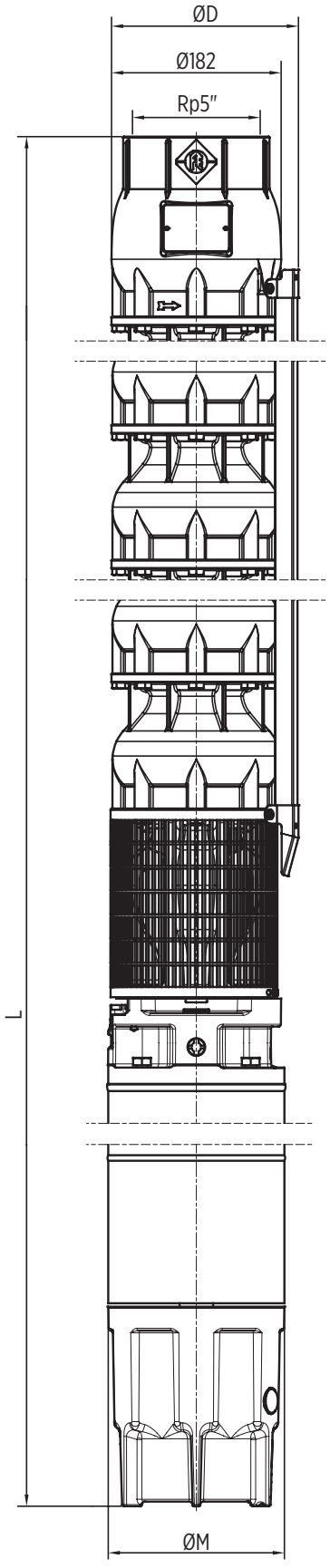


VSI 104 - 50 Hz

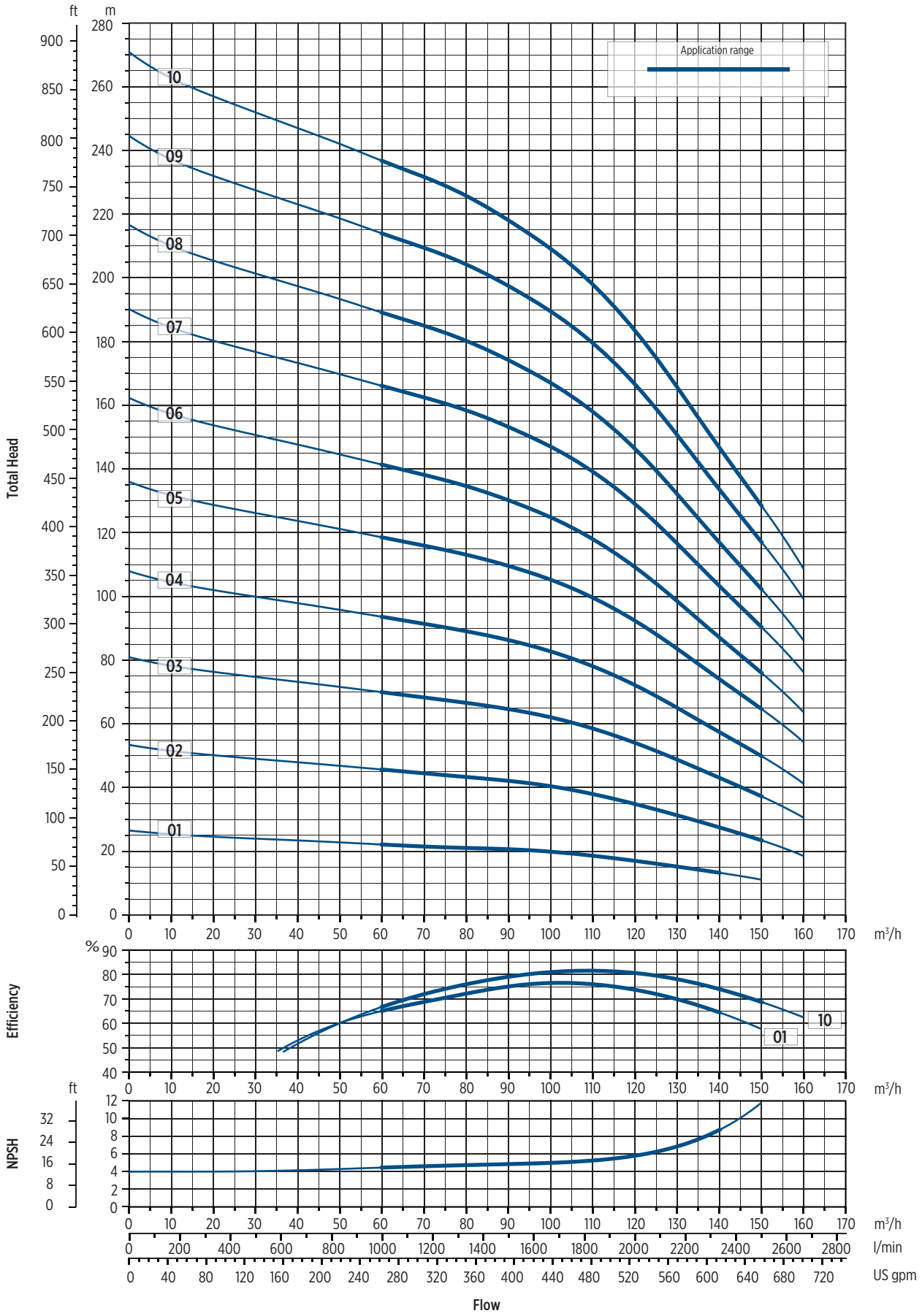
TECHNICAL DATA - PUMPS WITH REWINDABLE MOTORS

Pump model	Motor			Dimensions [mm]				Net weight [kg]
	Type	[kW]	[HP]	L	ØD [4]		ØM	PMA
				PMA	DOL	SD		
VSI 104/01	RW6	7,5	10	1236	202	209	142	62,5
VSI 104/02	RW6	15	20	1531	202	209	142	87
VSI 104/03	RW6	22	30	1806	202	209	142	111,5
VSI 104/04	RW6	30	40	2151	202	209	142	141,5
VSI 104/05	RW6[9]	37	50	2371	202	209	142	157
VSI 104/06	RW8	45	60	2467	207	212	194	216,5
VSI 104/07	RW8	52	70	2717	207	212	194	248
VSI 104/08	RW8	60	80	2987	207	212	194	275,5
VSI 104/09	RW8	67	90	3127	207	212	194	284
VSI 104/10	RW8	75	100	3357	207	212	194	309,5
VSI 104/11	RW8	83	110	3677	207	212	194	350
VSI 104/12	RW8	93	125	3817	207	212	194	358,5
VSI 104/13	RW10	110	150	3746	235	235	235	438,5
VSI 104/14	RW10	110	150	3886	235	235	235	447
VSI 104/15	RW10	110	150	4026	235	235	235	455,5
VSI 104/16	RW10	130	175	4296	235	235	235	511
VSI 104/17	RW10	130	175	4436	235	235	235	519,5
VSI 104/18	RW10	150	200	4686	235	235	235	579
VSI 104/19	RW10	150	200	4826	235	235	235	587,5

[9] Motor may not be installed horizontally (if required please contact Franklin Electric).
[4] ØD: maximum electropump diameter



VSI 104 - 50 Hz

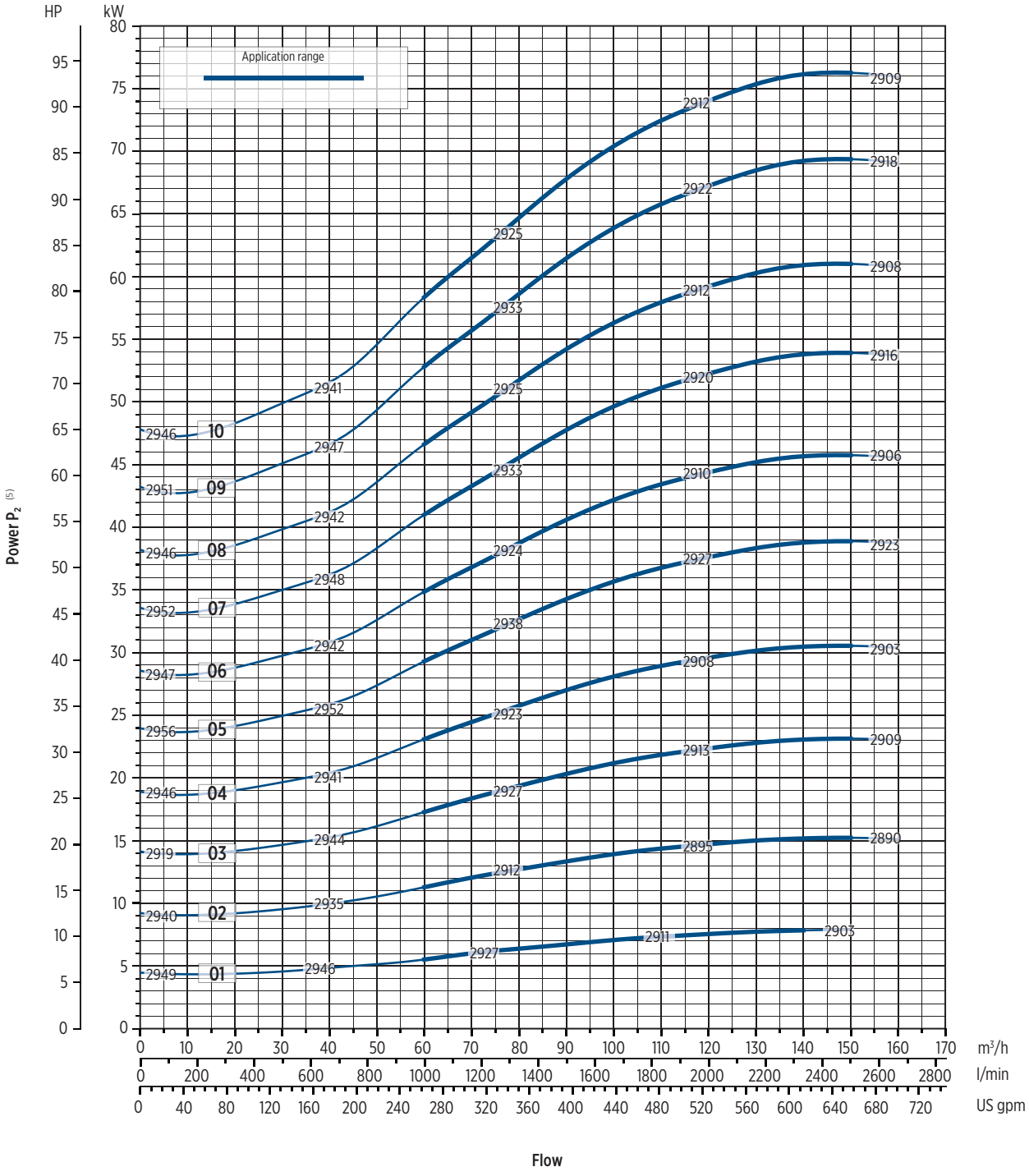


The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

00120304 11/2025

Franklin Electric

VSI 104 - 50 Hz



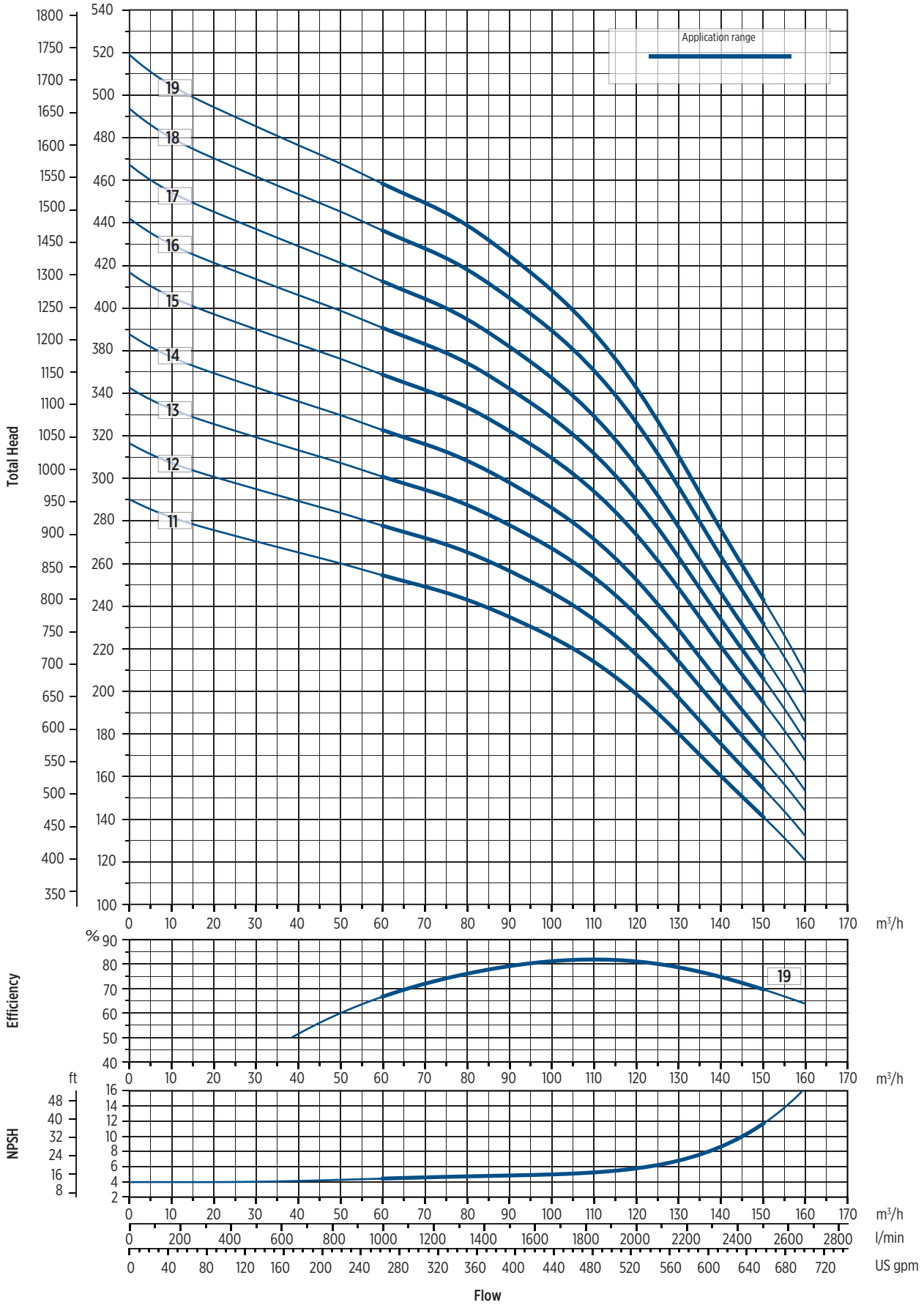
(5) Motor speed referred to rewindable motor

Performance curves of Q, H and P depend on the rpm number according to the following formula:

$$Q_2 = Q_1 \cdot \left(\frac{n_2}{n_1}\right) \quad , \quad H_2 = H_1 \cdot \left(\frac{n_2}{n_1}\right)^2 \quad , \quad P_2 = P_1 \cdot \left(\frac{n_2}{n_1}\right)^3 \quad , \quad \eta \text{ remains approximately the same.}$$

The rpm number related to the performance curves (Q-H-P) is indicated in the power chart.
Performance curves (Q-H-P) will change according to the formulas above.
Q=Flow, H=Head, P=Power, η=Efficiency

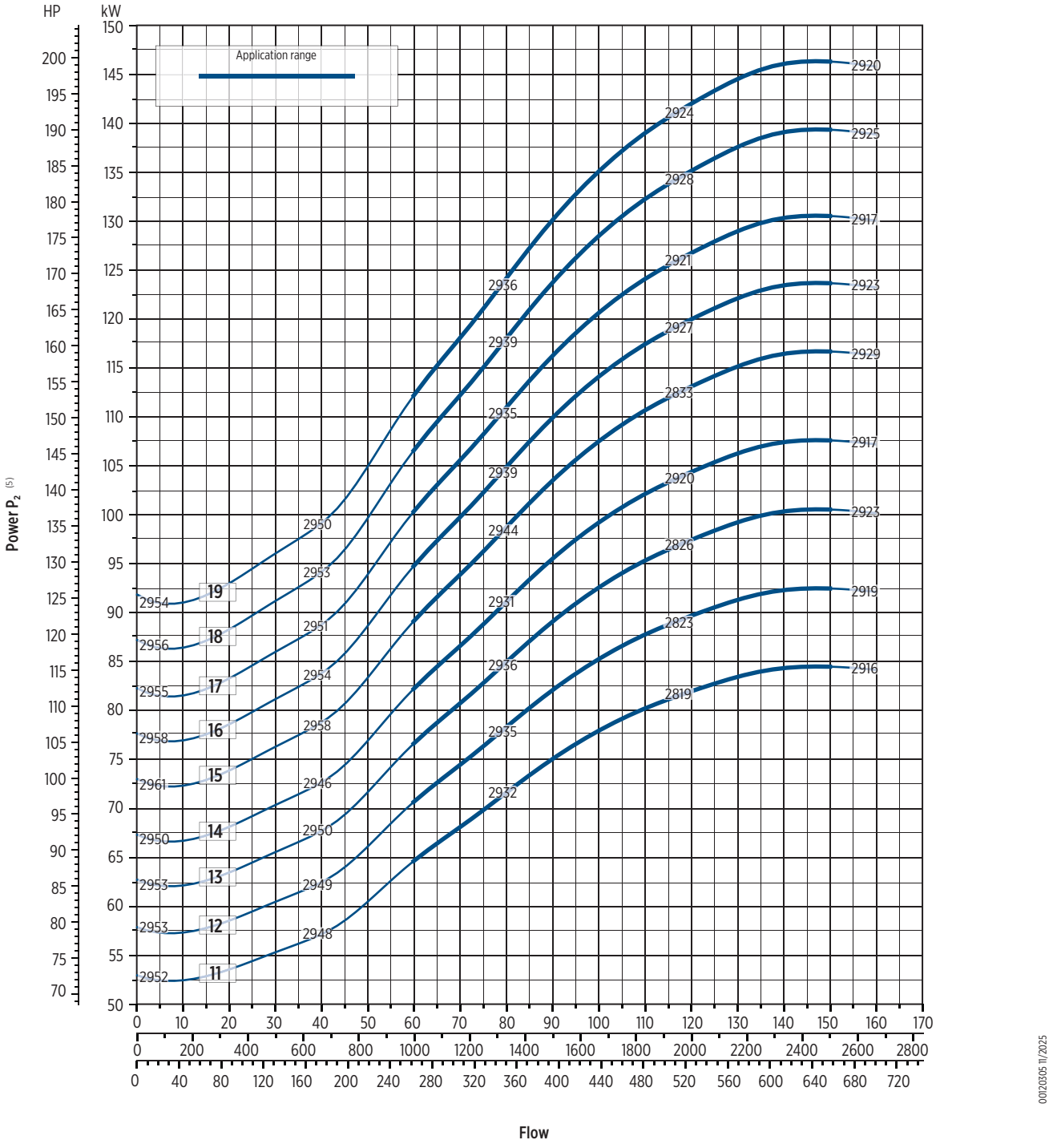
VSI 104 - 50 Hz



00120305 11/2025

The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

VSI 104 - 50 Hz



00120305 11/2025

(5) Motor speed referred to rewindable motor

Performance curves of Q, H and P depend on the rpm number according to the following formula:

$$Q_2 = Q_1 \cdot \left(\frac{n_2}{n_1}\right) \quad , \quad H_2 = H_1 \cdot \left(\frac{n_2}{n_1}\right)^2 \quad , \quad P_2 = P_1 \cdot \left(\frac{n_2}{n_1}\right)^3 \quad , \quad \eta \text{ remains approximately the same.}$$

The rpm number related to the performance curves (Q-H-P) is indicated in the power chart.
Performance curves (Q-H-P) will change according to the formulas above.
Q=Flow, H=Head, P=Power, η=Efficiency

VSI 134 - 50 Hz

TECHNICAL DATA - PUMP END

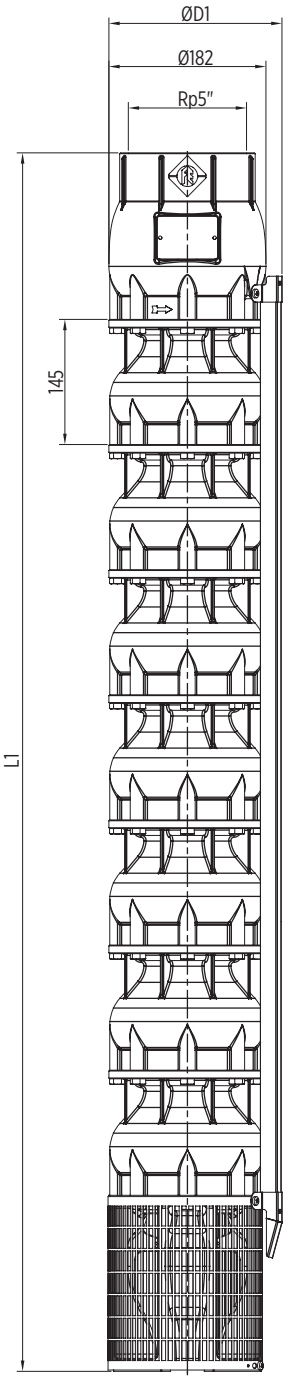
Pump model	Motor bracket type	Cable guard type [12]	Dimensions [mm]			Net weight [kg]
			L1	ØD1 [3]		
				DOL	SD	Pump
VSI 134/01	M6	L	542	202	209	25,5
VSI 134/02	M6	L	687	202	209	33,5
VSI 134/03	M6	L	832	202	209	41,5
VSI 134/04	M6	L	977	202	209	50
VSI 134/05	M6	L	1122	202	209	58
VSI 134/06	M6	L	1267	202	209	66
VSI 134/06	M8	L	1267	202	209	66
VSI 134/07	M8	L	1412	202	209	74,5
VSI 134/08	M8	L	1557	202	209	82,5
VSI 134/09	M8	L	1702	202	209	90,5
VSI 134/10	M8	L	1847	202	209	99
VSI 134/11	M8	L	1992	202	209	107
VSI 134/12	M8	L	2137	202	209	115
VSI 134/13	M8	L	2282	202	209	123,5
VSI 134/13	M10 [7]	M	2303	210	221	127
VSI 134/14	M8	L	2427	202	209	131,5
VSI 134/14	M10 [7]	M	2448	210	221	135
VSI 134/15	M8	L	2572	202	209	139,5
VSI 134/15	M10 [7]	M	2593	210	221	143
VSI 134/16	M8	L	2717	202	209	148
VSI 134/16	M10 [7]	M	2738	210	221	151,5
VSI 134/17	M8	L	2862	202	209	156
VSI 134/17	M10 [7]	M	2883	210	221	159,5
VSI 134/18	M8	L	3007	202	209	164
VSI 134/18	M10 [7]	M	3028	210	221	167,5
VSI 134/19	M8	L	3152	202	209	172,5
VSI 134/19	M10 [7]	M	3173	210	221	176
VSI 134/20	M8	L	3297	202	209	180,5
VSI 134/20	M10 [7]	M	3318	210	221	184

[3] ØD1: maximum pump diameter

[7] Pump with kit motor adapter. Already included in length and weight values.

For more information see page 76.

[12] Low (L); Medium (M); High (H). For more information see page 80.



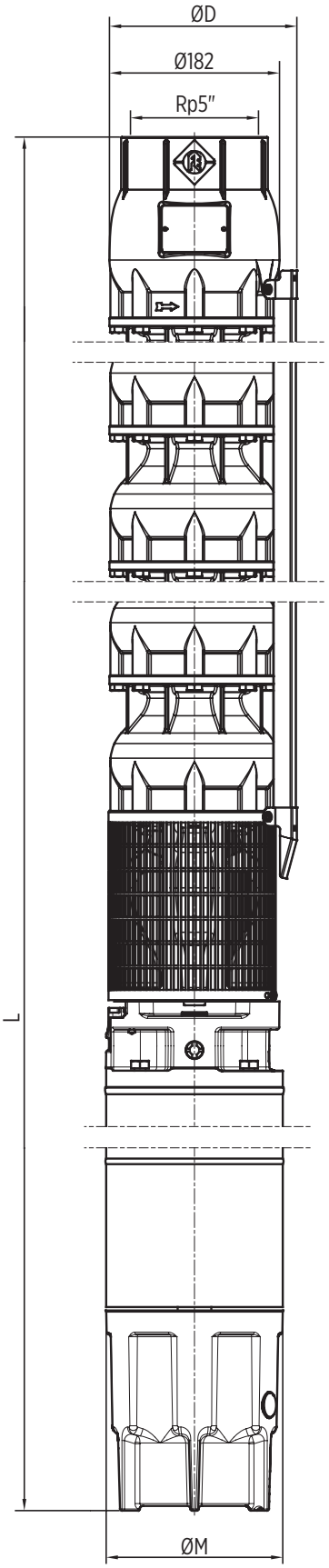
0013031I 04/2023

VSI 134 - 50 Hz

TECHNICAL DATA - PUMPS WITH ENCAPSULATED MOTORS

Pump model	Motor			Dimensions [mm]				Net weight [kg]
	Type	[kW]	[HP]	L	ØD [4]		ØM	PMA
				PMA	DOL	SD		
VSI 134/01	CT6	9,3	12,5	1210	202	209	137	72,5
VSI 134/02	CT6	15	20	1453	202	209	137	88,5
VSI 134/03	CT6	22	30	1728	202	209	137	109,5
VSI 134/04	CT6	30	40	2003	202	209	137	131
VSI 134/05	CT6	37	50	2599	202	209	137	176
VSI 134/06	CT6	45	60	2896	202	209	137	200
VSI 134/07	CT8	55	75	2676	207	212	191	270,5
VSI 134/08	CT8	75	100	3012	207	212	191	314,5
VSI 134/09	CT8	75	100	3157	207	212	191	322,5
VSI 134/10	CT8	75	100	3302	207	212	191	331
VSI 134/11	CT8	93	125	3740	207	212	191	397
VSI 134/12	CT8	93	125	3885	207	212	191	405
VSI 134/13	CT8	110	150	4258	207	212	191	457,5
VSI 134/14	CT8	110	150	4403	207	212	191	465,5
VSI 134/15	CT8	130	175	4751	207	212	191	519,5
VSI 134/16	CT8	130	175	4896	207	212	191	528
VSI 134/17	CT8	130	175	5041	207	212	191	536
VSI 134/18	CT8	150	200	5415	207	212	191	593
VSI 134/19	CT8	150	200	5560	207	212	191	601,5
VSI 134/20	CT8	150	200	5705	207	212	191	609,5

[4] ØD: maximum electropump diameter

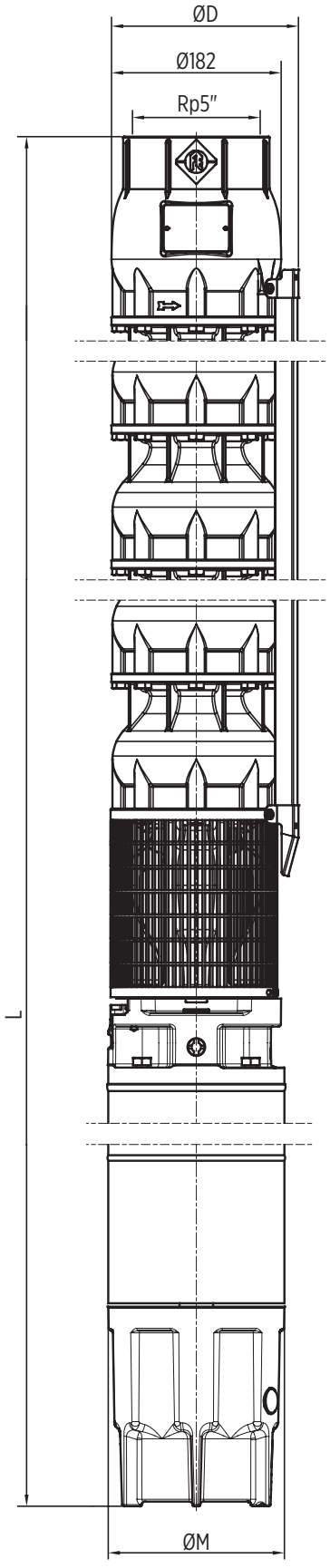


VSI 134 - 50 Hz

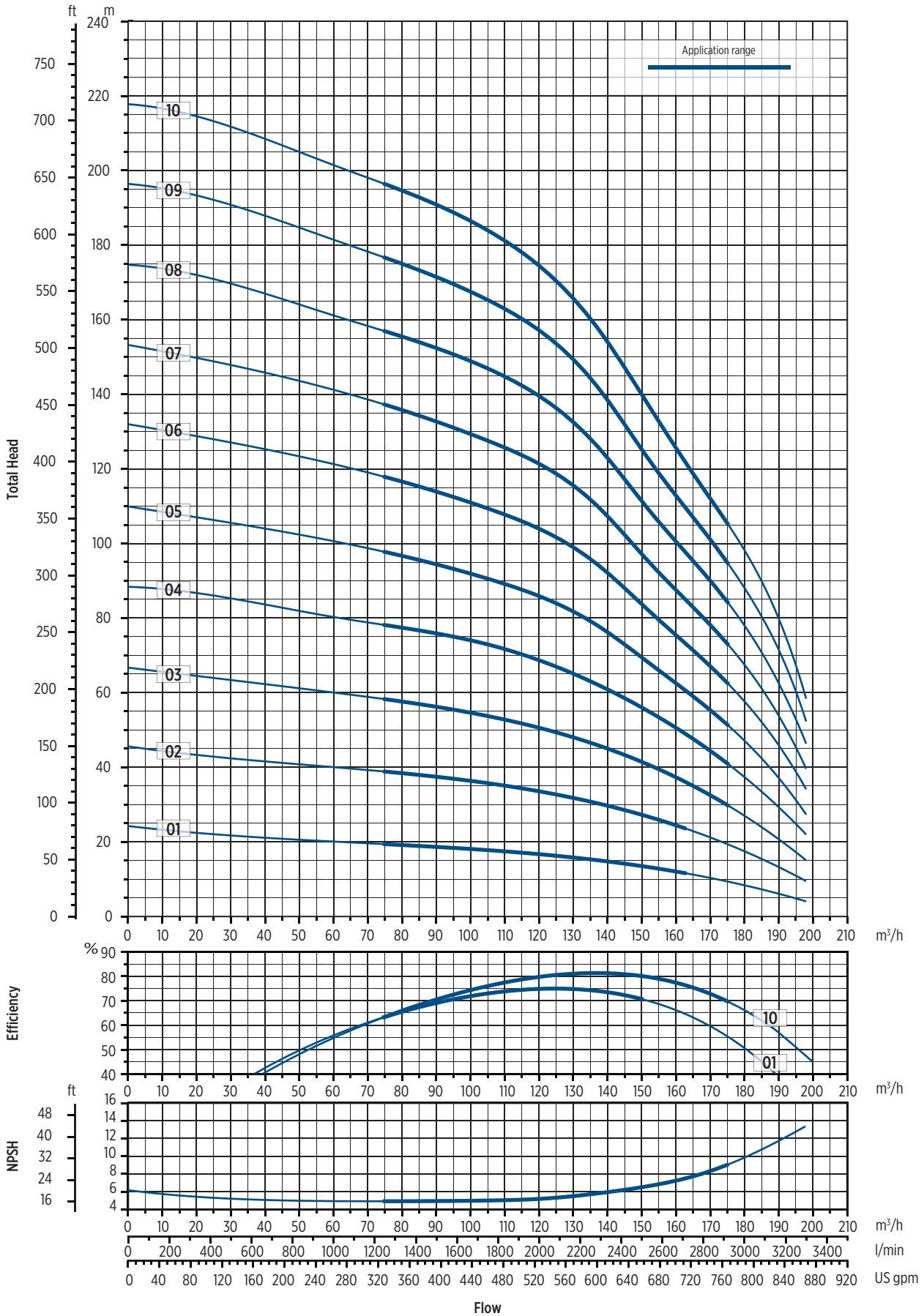
TECHNICAL DATA - PUMPS WITH REWINDABLE MOTORS

Pump model	Motor			Dimensions [mm]				Net weight [kg]
	Type	[kW]	[HP]	L	ØD [4]		ØM	PMA
				PMA	DOL	SD		
VSI 134/01	RW6	9,3	12,5	1271	202	209	142	74,5
VSI 134/02	RW6	15	20	1541	202	209	142	94,5
VSI 134/03	RW6	22	30	1821	202	209	142	118,5
VSI 134/04	RW6	30	40	2171	202	209	142	148
VSI 134/05	RW6 [9]	37	50	2497	202	209	142	163
VSI 134/06	RW8	45	60	3407	207	212	194	222
VSI 134/07	RW8	52	70	3732	207	212	194	253,5
VSI 134/08	RW8	60	80	3877	207	212	194	280,5
VSI 134/09	RW8	67	90	3832	207	212	194	288,5
VSI 134/10	RW8	75	100	3977	207	212	194	314
VSI 134/11	RW8 [9]	83	110	4252	207	212	194	354
VSI 134/12	RW8 [9]	93	125	4542	207	212	194	362
VSI 134/13	RW10	110	150	4542	235	235	235	442
VSI 134/14	RW10	110	150	4942	235	235	235	450
VSI 134/15	RW10	130	175	5087	235	235	235	505
VSI 134/16	RW10	130	175	1547	235	235	235	513,5
VSI 134/17	RW10	130	175	2002	235	235	235	521,5
VSI 134/18	RW10	150	200	2182	235	235	235	580,5
VSI 134/19	RW10	150	200	2271	235	235	235	589
VSI 134/20	RW10	150	200	2381	235	235	235	597

[9] Motor may not be installed horizontally (if required please contact Franklin Electric).
[4] ØD: maximum electropump diameter



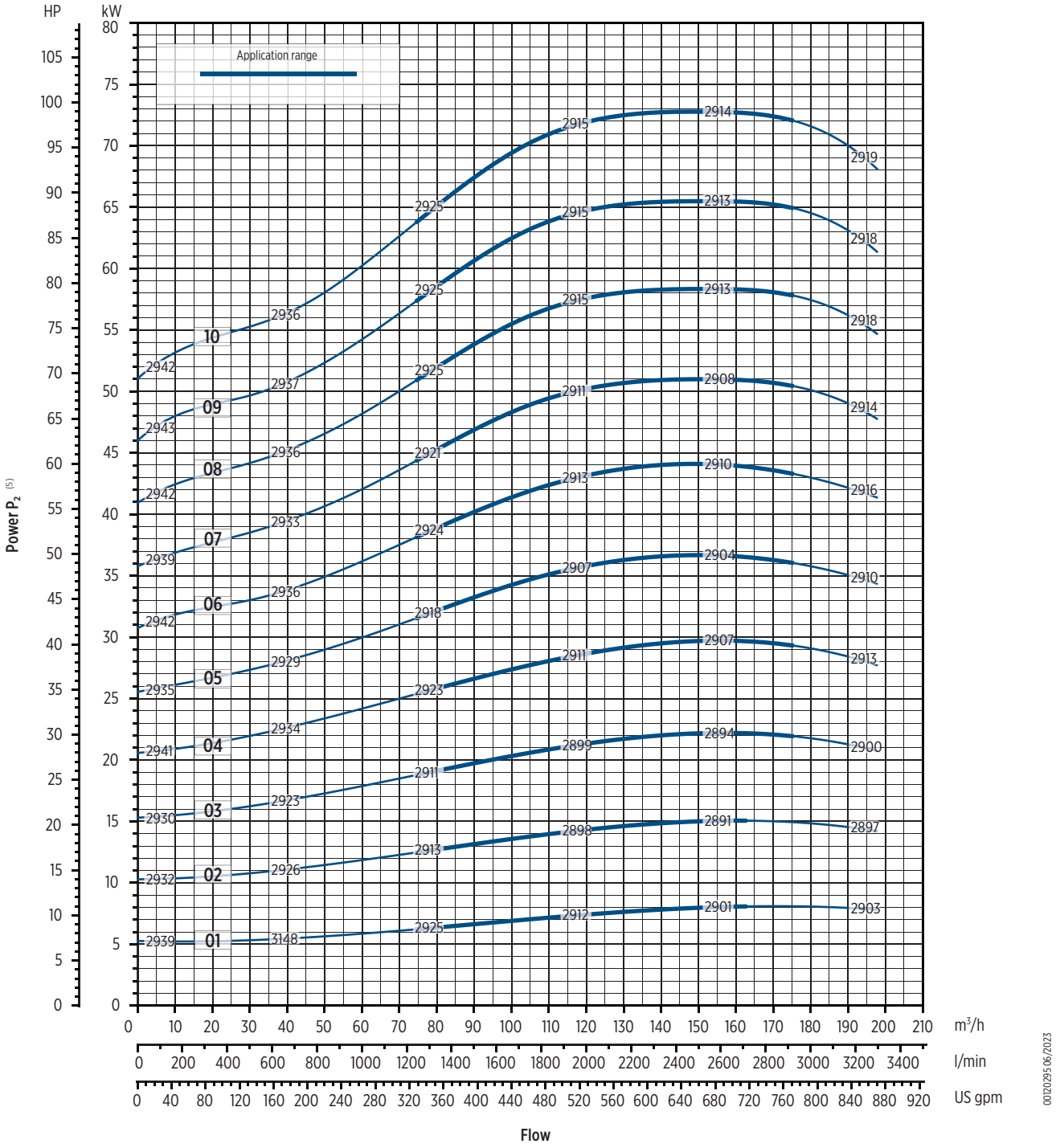
VSI 134 - PERFORMANCE CURVES AT 50 HZ



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

00120295 06/2023

VSI 134 - PERFORMANCE CURVES AT 50 HZ



(5) Motor speed referred to rewindable motor

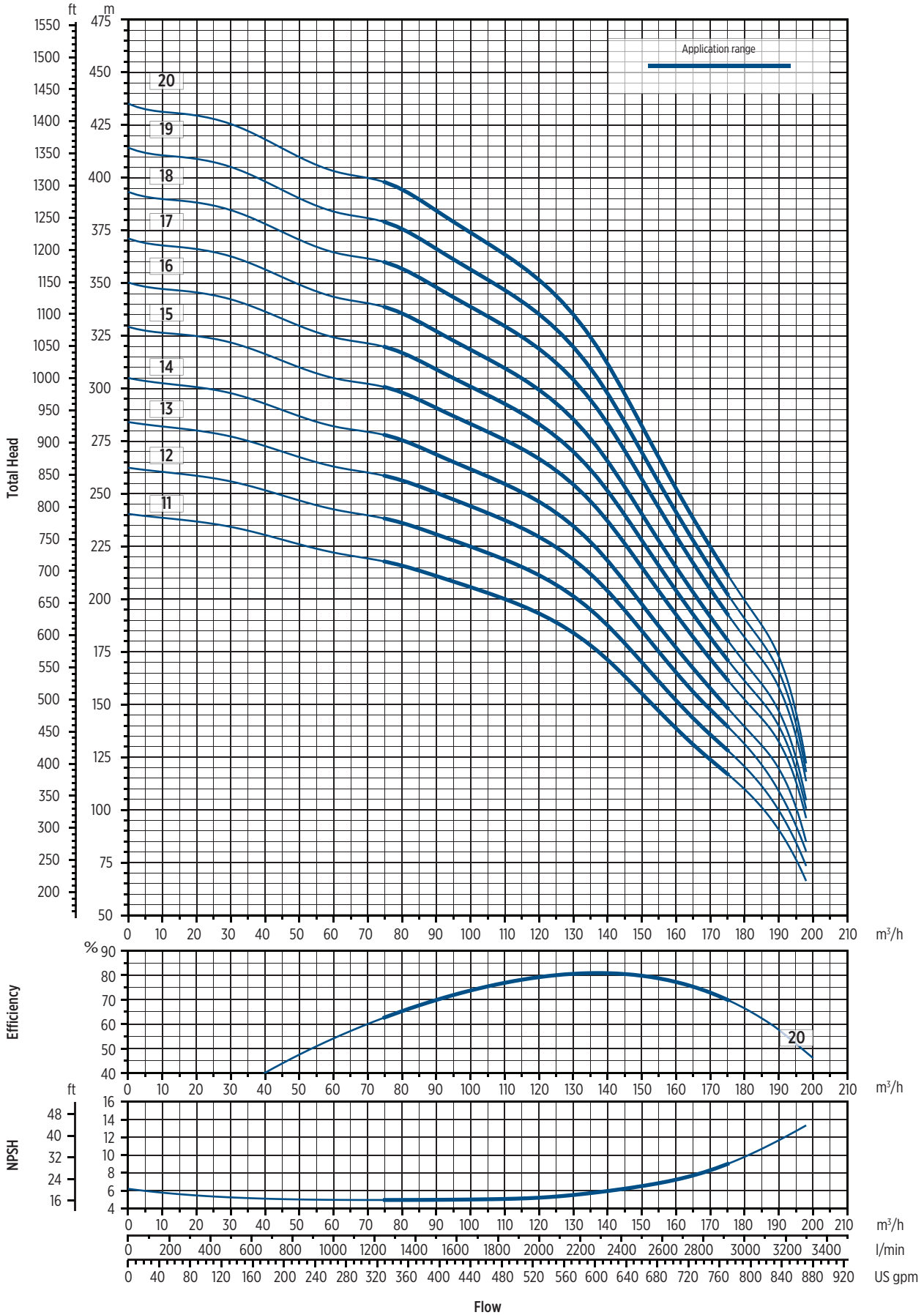
Performance curves of Q, H and P depend on the rpm number according to the following formula:

$$Q_2 = Q_1 \cdot \left(\frac{n_2}{n_1}\right) \quad , \quad H_2 = H_1 \cdot \left(\frac{n_2}{n_1}\right)^2 \quad , \quad P_2 = P_1 \cdot \left(\frac{n_2}{n_1}\right)^3 \quad , \quad \eta \text{ remains approximately the same.}$$

The rpm number related to the performance curves (Q-H-P) is indicated in the power chart.
Performance curves (Q-H-P) will change according to the formulas above.
Q=Flow, H=Head, P=Power, η=Efficiency

The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

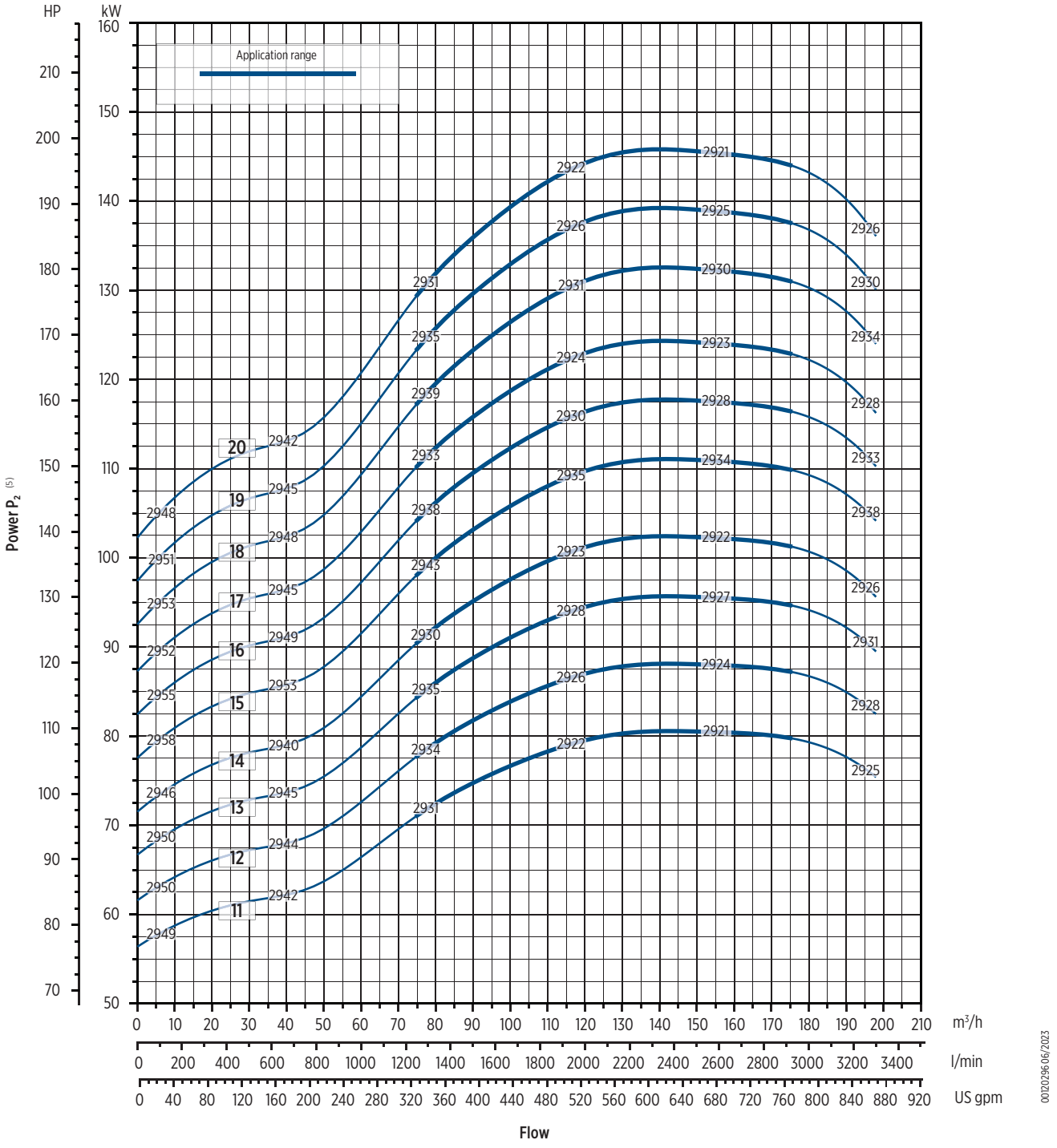
VSI 134 - PERFORMANCE CURVES AT 50 HZ



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

00120296 06/2023

VSI 134 - PERFORMANCE CURVES AT 50 HZ



(5) Motor speed referred to rewindable motor

Performance curves of Q, H and P depend on the rpm number according to the following formula:

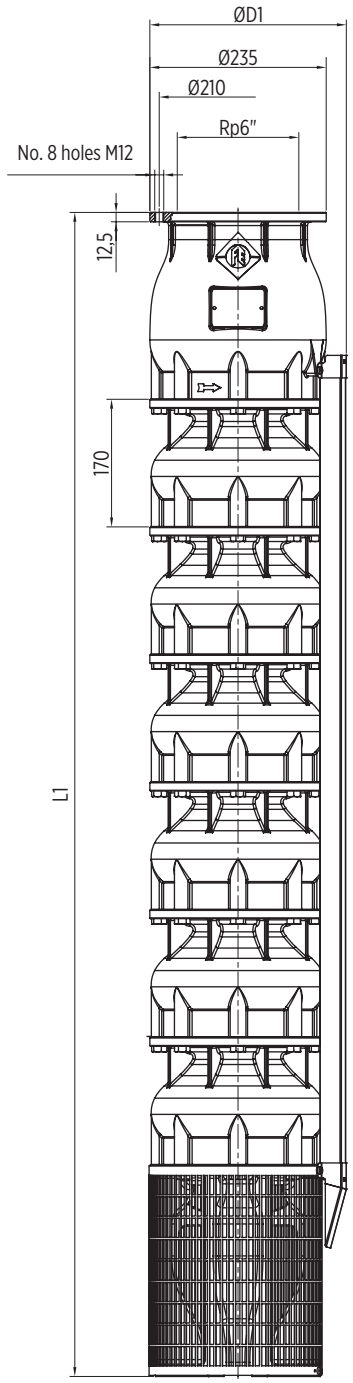
$$Q_2 = Q_1 \cdot \left(\frac{n_2}{n_1}\right) \quad , \quad H_2 = H_1 \cdot \left(\frac{n_2}{n_1}\right)^2 \quad , \quad P_2 = P_1 \cdot \left(\frac{n_2}{n_1}\right)^3 \quad , \quad \eta \text{ remains approximately the same.}$$

The rpm number related to the performance curves (Q-H-P) is indicated in the power chart.
Performance curves (Q-H-P) will change according to the formulas above.
Q=Flow, H=Head, P=Power, η=Efficiency

VSI 184 - 50 Hz

TECHNICAL DATA - PUMP END

Pump model	Motor bracket type	Cable guard type [12]	Dimensions [mm]			Net weight [kg]
			L1	ØD1 [3]		
				DOL	SD	Pump
VSI 184/01/1B	M6 [8]	L	738	256	262	56,5
VSI 184/01	M6 [8]	L	738	256	262	57
VSI 184/02/2B	M6 [8]	L	908	256	262	73
VSI 184/02/1B	M6 [8]	L	908	256	262	73,5
VSI 184/02	M6 [8]	L	908	256	262	74
VSI 184/03/2B	M6 [8]	L	1078	256	262	90
VSI 184/03/2B	M8	L	1041	256	262	85
VSI 184/03/1B	M8	L	1041	256	262	85,5
VSI 184/03	M8	L	1041	256	262	86
VSI 184/04/2B	M8	L	1211	256	262	101,5
VSI 184/04/1B	M8	L	1211	256	262	102
VSI 184/04	M8	L	1211	256	262	102,5
VSI 184/05/2B	M8	L	1381	256	262	118,5
VSI 184/05/1B	M8	L	1381	256	262	119
VSI 184/05	M8	L	1381	256	262	119,5
VSI 184/06/2B	M8	L	1551	256	262	135
	M10	M	1551	264	274	135
VSI 184/06/1B	M8	L	1551	256	262	135,5
	M10	M	1551	264	274	135,5
VSI 184/06	M8	L	1551	256	262	136
	M10	M	1551	264	274	136
VSI 184/07/2B	M8	L	1721	256	262	152
	M10	M	1721	264	274	152
VSI 184/07/1B	M8	L	1721	256	262	152,5
	M10	M	1721	264	274	152,5
VSI 184/07	M8	L	1721	256	262	153
	M10	M	1721	264	274	153
VSI 184/08/2B	M8	L	1891	256	262	168,5
	M10	M	1891	264	274	168,5
VSI 184/08/1B	M8	L	1891	256	262	169
	M10	M	1891	264	274	169
VSI 184/08	M8	L	1891	256	262	169,5
	M10	M	1891	264	274	169,5
VSI 184/09/2B	M8	L	2061	256	262	185,5
	M10	M	2061	264	274	185,5
VSI 184/09/1B	M10	M	2061	264	274	186
VSI 184/09	M10	M	2061	264	274	186,5
VSI 184/10/2B	M10	M	2231	264	274	202
VSI 184/10/1B	M10	M	2231	264	274	202,5
VSI 184/10	M10	M	2231	264	274	203
VSI 184/11/2B	M12	M	2401	264	274	219
VSI 184/11/1B	M12	M	2401	264	274	219,5
VSI 184/11	M12	M	2401	264	274	220
VSI 184/12/2B	M12	M	2571	264	274	236
VSI 184/12/1B	M12	M	2571	264	274	236,5
VSI 184/12	M12	M	2571	264	274	237
VSI 184/13/2B	M12	M	2741	264	274	252,5
VSI 184/13/1B	M12	M	2741	264	274	253
VSI 184/13	M12	M	2741	264	274	253,5
VSI 184/14/2B	M12	M	2911	264	274	269,5
VSI 184/14/1B	M12	M	2911	264	274	270
VSI 184/14	M12	M	2911	264	274	270,5
VSI 184/15/2B	M12	M	3081	264	274	286
VSI 184/15/1B	M12	M	3081	264	274	286,5
VSI 184/15	M12	M	3081	264	274	287
VSI 184/16/2B	M12	M	3251	264	274	303
VSI 184/16/1B	M12	M	3251	264	274	303,5
VSI 184/16	M12	M	3251	264	274	304



00130309 04/2023

[3] ØD1: maximum pump diameter

[8] Necessary kit M8xM6 (not included, Ref. n. 20.06, Code 14251020). Already included in length and weight values. For more information see page 77.

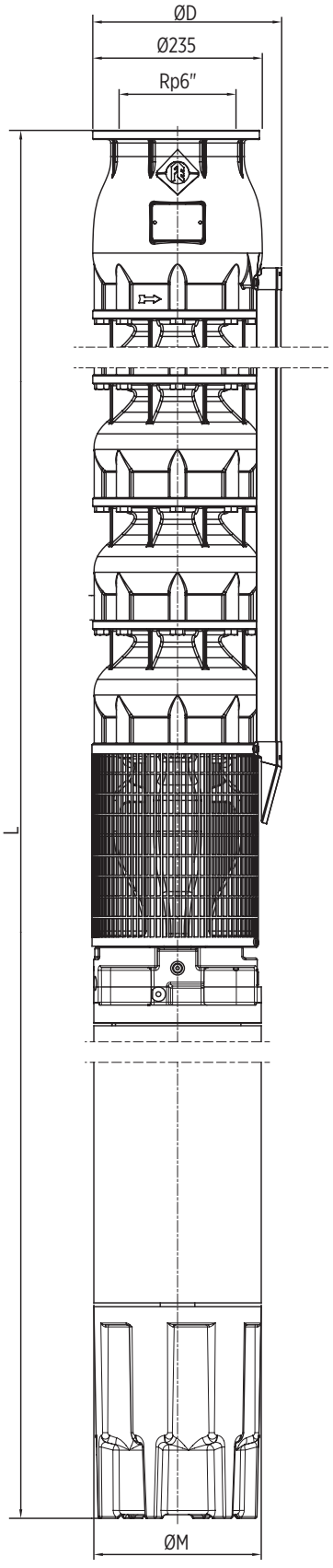
[12] Low (L); Medium (M); High (H). For more information see page 80.

VSI 184 - 50 Hz

TECHNICAL DATA - PUMPS WITH ENCAPSULATED MOTORS

Pump model	Motor			Dimensions [mm]				Net weight [kg]
	Type	[kW]	[HP]	L	ØD [4]		ØM	PMA
				PMA	DOL	SD		
VSI 184/01/1B	CT6 [8]	15	20	1504	256	262	137	111,5
VSI 184/01	CT6 [8]	18,5	25	1569	256	262	137	119
VSI 184/02/2B	CT6 [8]	30	40	1934	256	262	137	154
VSI 184/02/1B	CT6 [8]	30	40	1934	256	262	137	154,5
VSI 184/02	CT6 [8]	37	50	2385	256	262	137	192
VSI 184/03/2B	CT6 [8]	45	60	2707	256	262	137	224
VSI 184/03/1B	CT8	55	75	2305	256	262	191	281,5
VSI 184/03	CT8	55	75	2305	256	262	191	282
VSI 184/04/2B	CT8	75	100	2666	256	262	191	333,5
VSI 184/04/1B	CT8	75	100	2666	256	262	191	334
VSI 184/04	CT8	75	100	2666	256	262	191	334,5
VSI 184/05/2B	CT8	93	125	3129	256	262	191	408,5
VSI 184/05/1B	CT8	93	125	3129	256	262	191	409
VSI 184/05	CT8	93	125	3129	256	262	191	409,5
VSI 184/06/2B	CT8	110	150	3527	256	262	191	469
VSI 184/06/1B	CT8	110	150	3527	256	262	191	469,5
VSI 184/06	CT8	110	150	3527	256	262	191	470
VSI 184/07/2B	CT8	130	175	3900	256	262	191	532
VSI 184/07/1B	CT8	130	175	3900	256	262	191	532,5
VSI 184/07	CT8	130	175	3900	256	262	191	533
VSI 184/08/2B	CT8	130	175	4070	256	262	191	548,5
VSI 184/08/1B	CT8	150	200	4299	256	262	191	598
VSI 184/08	CT8	150	200	4299	256	262	191	598,5
VSI 184/09/2B	CT8	150	200	4469	256	262	191	614,5

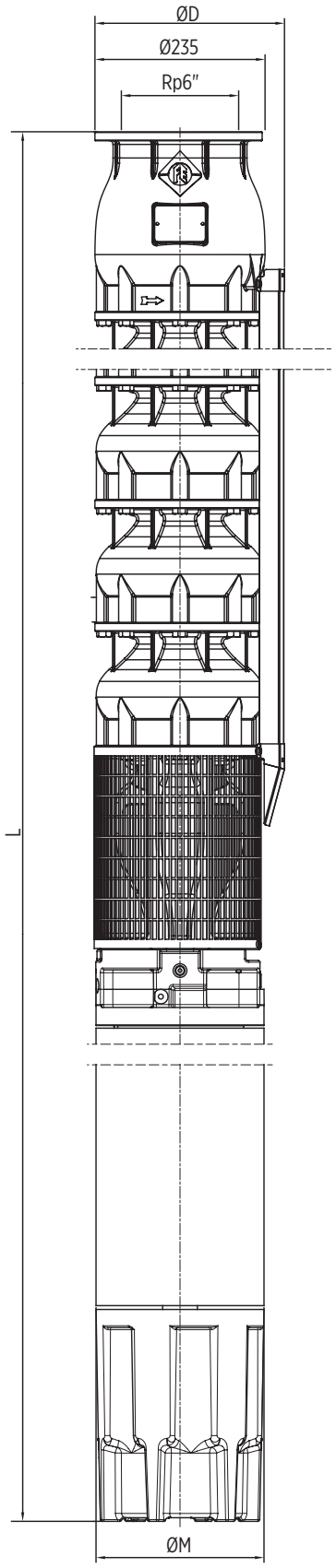
[4] ØD: maximum electropump diameter
[8] Necessary kit M8xM6 (not included, Ref. n. 20.06, Code 14251020). Already included in length and weight values. For more information see page 77.



VSI 184 - 50 Hz

TECHNICAL DATA - PUMPS WITH REWINDABLE MOTORS

Pump model	Motor			Dimensions [mm]				Net weight [kg]
	Type	[kW]	[HP]	L	ØD [4]		ØM	PMA
				PMA	DOL	SD		
VSI 184/01/1B	RW6 [8]	13	17,5	1547	256	262	142	113,5
VSI 184/01	RW6 [8]	18,5	25	1637	256	262	142	123
VSI 184/02/2B	RW6 [8]	26	35	2002	256	262	142	161
VSI 184/02/1B	RW6 [8]	30	40	2102	256	262	142	171,5
VSI 184/02	RW6 [8] [9]	37	50	2182	256	262	142	179
VSI 184/03/2B	RW8	45	60	2271	256	262	194	241
VSI 184/03/1B	RW8	52	70	2381	256	262	194	264,5
VSI 184/03	RW8	55	75	2381	256	262	194	265
VSI 184/04/2B	RW8	60	80	2681	256	262	194	299,5
VSI 184/04/1B	RW8	67	90	2681	256	262	194	300
VSI 184/04	RW8	75	100	2771	256	262	194	317,5
VSI 184/05/2B	RW8 [9]	83	110	3121	256	262	194	365,5
VSI 184/05/1B	RW8 [9]	93	125	3121	256	262	194	366
VSI 184/05	RW8 [9]	93	125	3121	256	262	194	366,5
VSI 184/06/2B	RW10	110	150	3080	264	274	235	450
VSI 184/06/1B	RW10	110	150	3080	264	274	235	450,5
VSI 184/06	RW10	110	150	3080	264	274	235	451
VSI 184/07/2B	RW10	130	175	3380	264	274	235	514
VSI 184/07/1B	RW10	130	175	3380	264	274	235	514,5
VSI 184/07	RW10	130	175	3380	264	274	235	515
VSI 184/08/2B	RW10	130	175	3550	264	274	235	530,5
VSI 184/08/1B	RW10	150	200	3660	264	274	235	582
VSI 184/08	RW10	150	200	3660	264	274	235	582,5
VSI 184/09/2B	RW10	150	200	3830	264	274	235	598,5
VSI 184/09/1B	RW10 [9]	185	250	3980	264	274	235	635
VSI 184/09	RW10 [9]	185	250	3980	264	274	235	635,5
VSI 184/10/2B	RW10 [9]	185	250	4150	264	274	235	651
VSI 184/10/1B	RW10 [9]	185	250	4150	264	274	235	651,5
VSI 184/10	RW10 [9]	185	250	4150	264	274	235	652
VSI 184/11/2B	RW12	220	300	4294	288	288	286	882
VSI 184/11/1B	RW12	220	300	4294	288	288	286	882,5
VSI 184/11	RW12	220	300	4294	288	288	286	883
VSI 184/12/2B	RW12	220	300	4464	288	288	286	899
VSI 184/12/1B	RW12	220	300	4464	288	288	286	899,5
VSI 184/12	RW12	220	300	4464	288	288	286	900
VSI 184/13/2B	RW12	250	340	4634	288	288	286	915,5
VSI 184/13/1B	RW12	250	340	4634	288	288	286	916
VSI 184/13	RW12	250	340	4634	288	288	286	916,5
VSI 184/14/2B	RW12	250	340	4804	288	288	286	932,5
VSI 184/14/1B	RW12	250	340	4804	288	288	286	933
VSI 184/14	RW12	250	340	4804	288	288	286	933,5
VSI 184/15/2B	RW12	300	400	5124	288	288	286	1.012
VSI 184/15/1B	RW12	300	400	5124	288	288	286	1.012,5
VSI 184/15	RW12	300	400	5124	288	288	286	1.013
VSI 184/16/2B	RW12	300	400	5294	288	288	286	1.029
VSI 184/16/1B	RW12	300	400	5294	288	288	286	1.029,5
VSI 184/16	RW12	300	400	5294	288	288	286	1.030

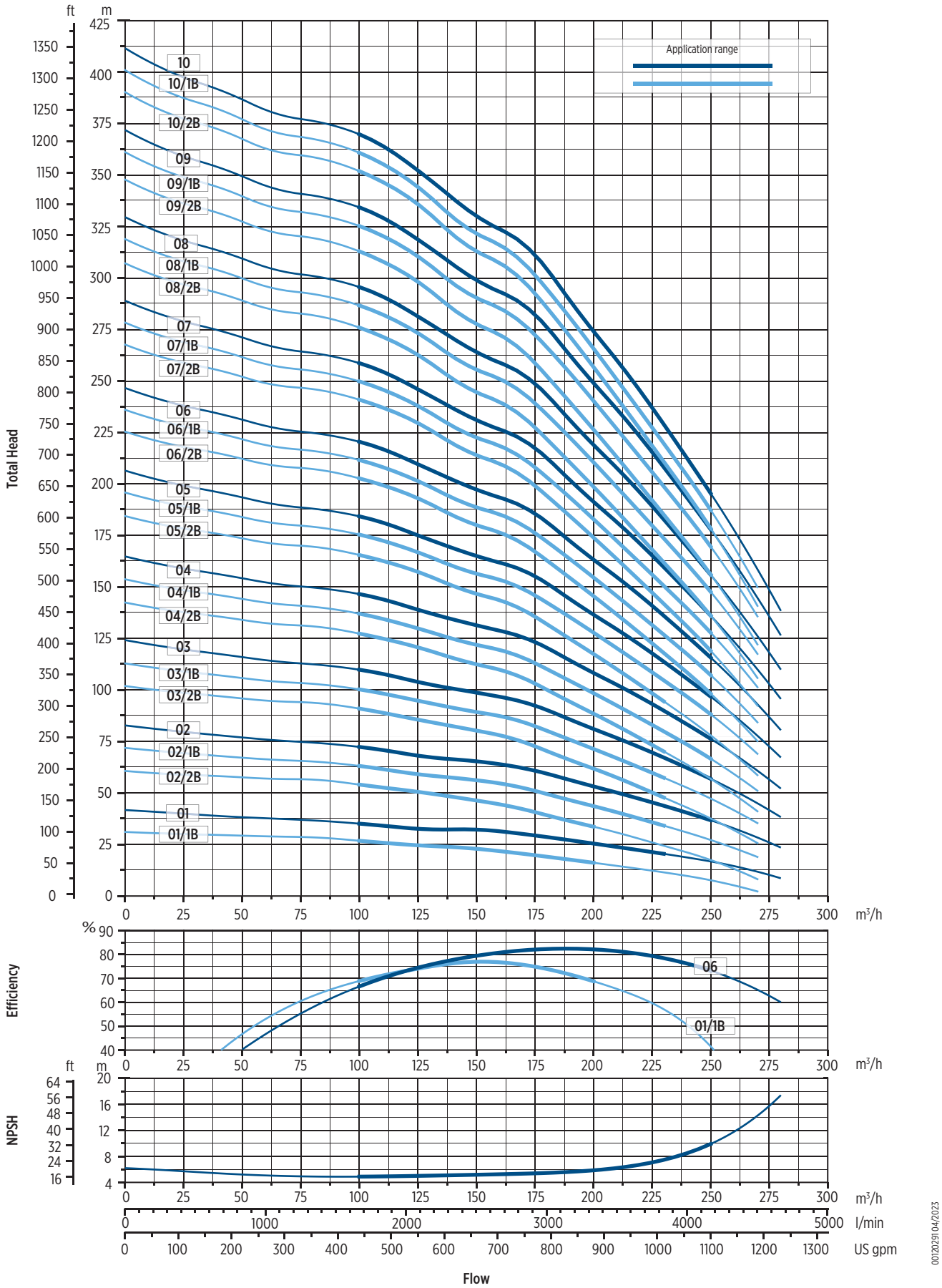


[4] ØD: maximum electropump diameter

[8] Necessary kit M8xM6 (not included, Ref. n. 20.06, Code 14251020). Already included in length and weight values. For more information see page 77.

[9] Motor may not be installed horizontally (if required please contact Franklin Electric).

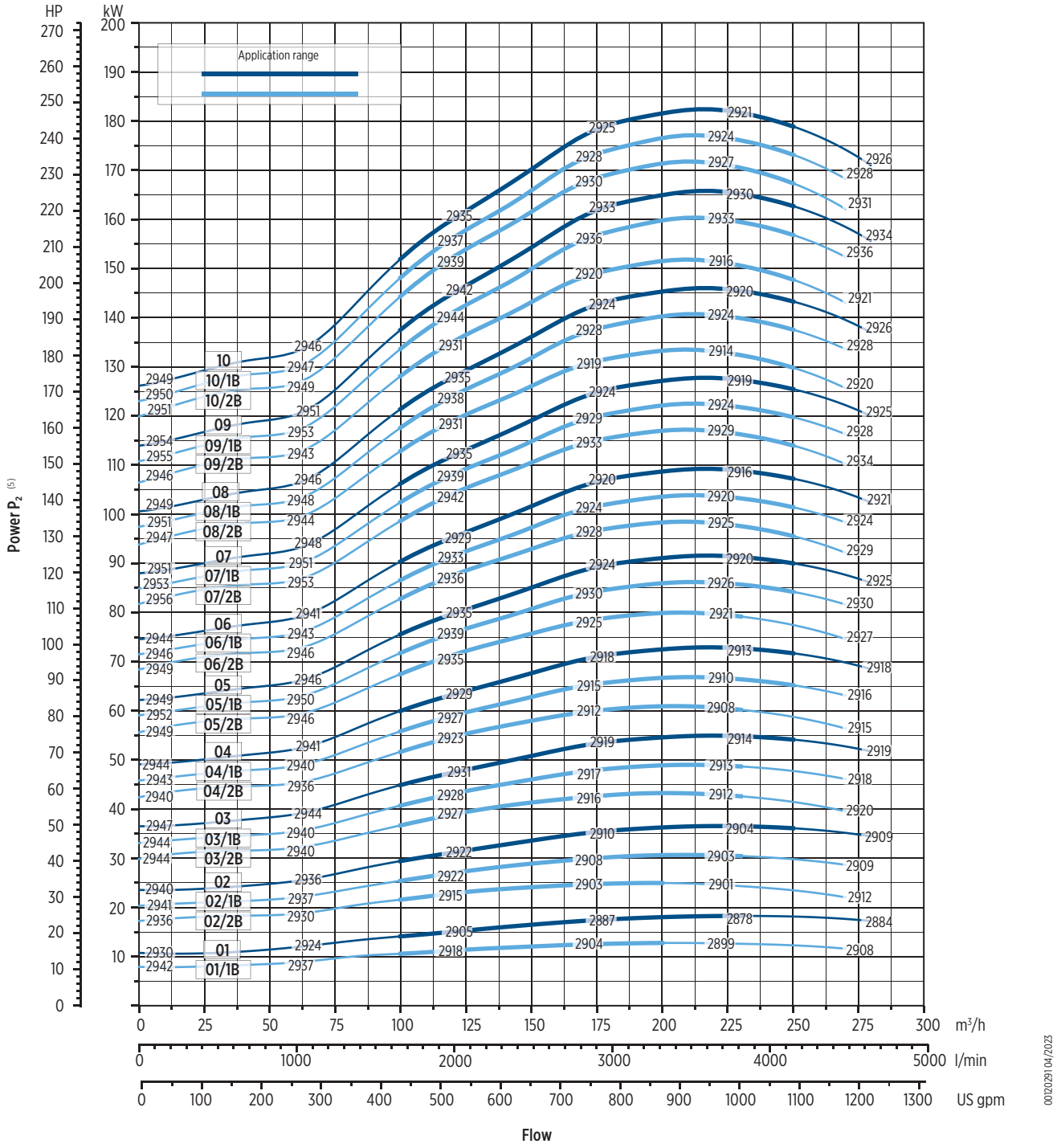
VSI 184 – PERFORMANCE CURVES AT 50 HZ



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

00120291 04/2023

VSI 184 - PERFORMANCE CURVES AT 50 HZ



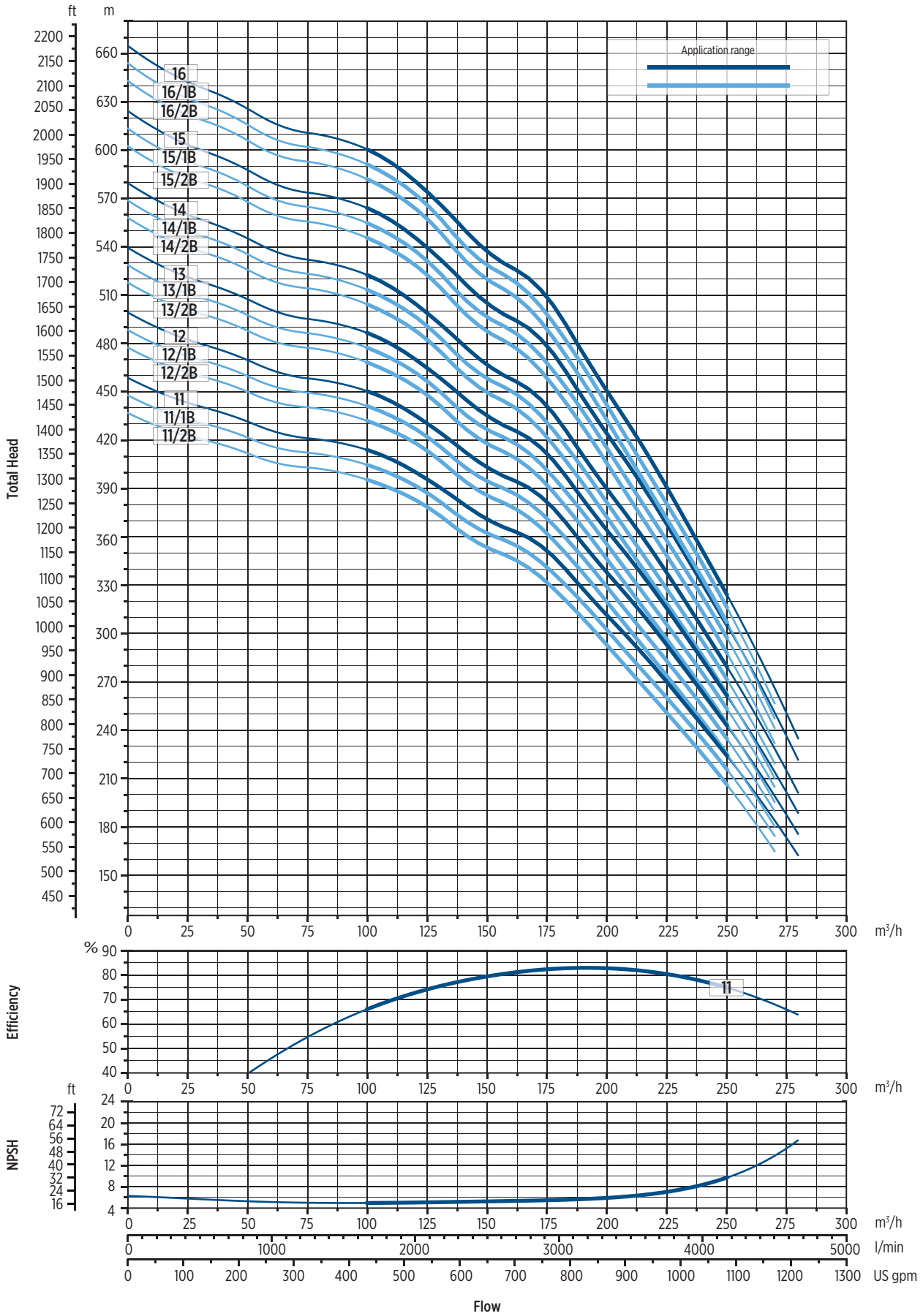
(5) Motor speed referred to rewindable motor

Performance curves of Q, H and P depend on the rpm number according to the following formula:

$$Q_2 = Q_1 \cdot \left(\frac{n_2}{n_1}\right) \quad , \quad H_2 = H_1 \cdot \left(\frac{n_2}{n_1}\right)^2 \quad , \quad P_2 = P_1 \cdot \left(\frac{n_2}{n_1}\right)^3 \quad , \quad \eta \text{ remains approximately the same.}$$

The rpm number related to the performance curves (Q-H-P) is indicated in the power chart.
Performance curves (Q-H-P) will change according to the formulas above.
Q=Flow, H=Head, P=Power, η=Efficiency

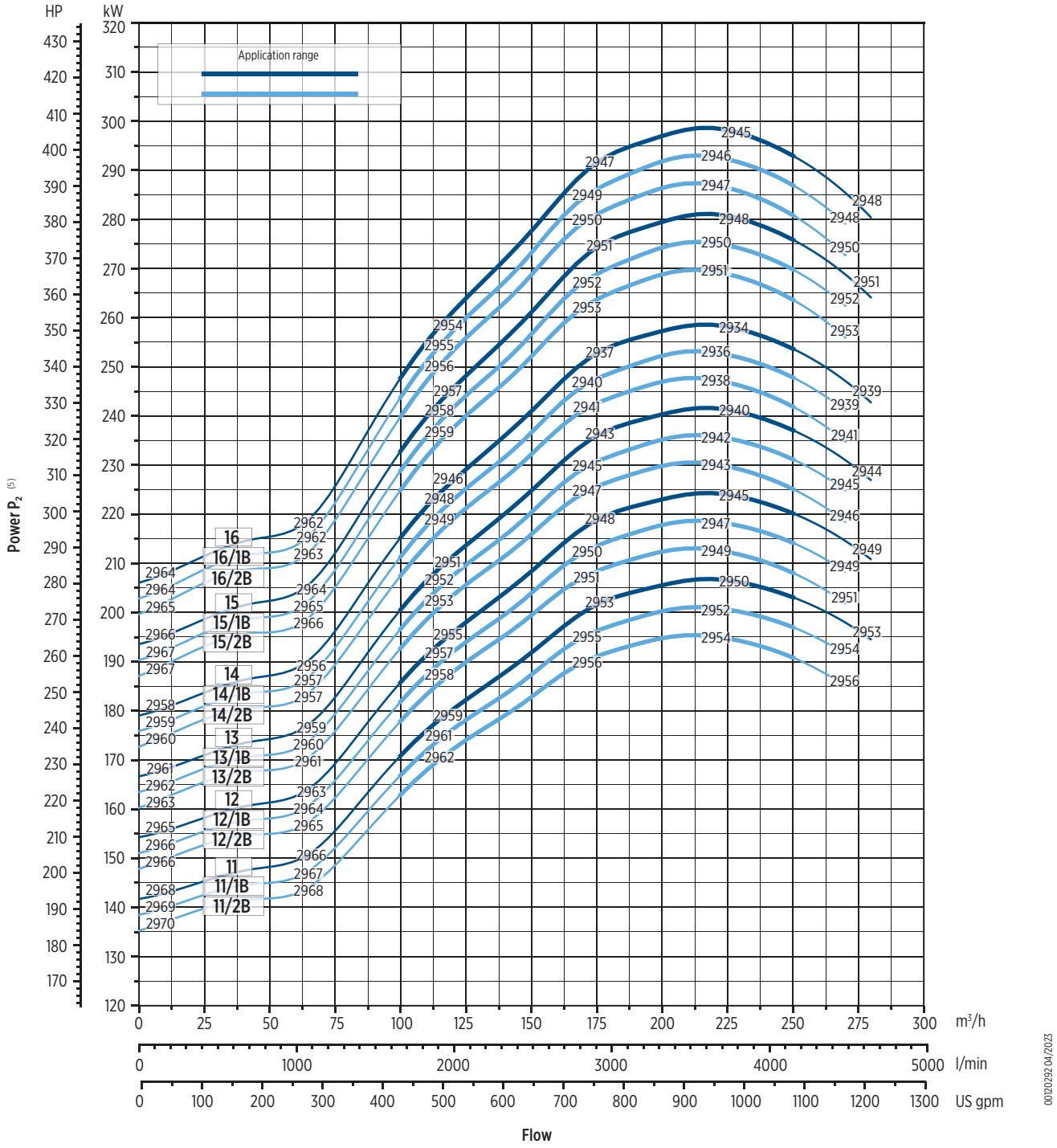
VSI 184 - PERFORMANCE CURVES AT 50 HZ



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

00120292 04/2023

VSI 184 - PERFORMANCE CURVES AT 50 HZ



(5) Motor speed referred to rewindable motor

Performance curves of Q, H and P depend on the rpm number according to the following formula:

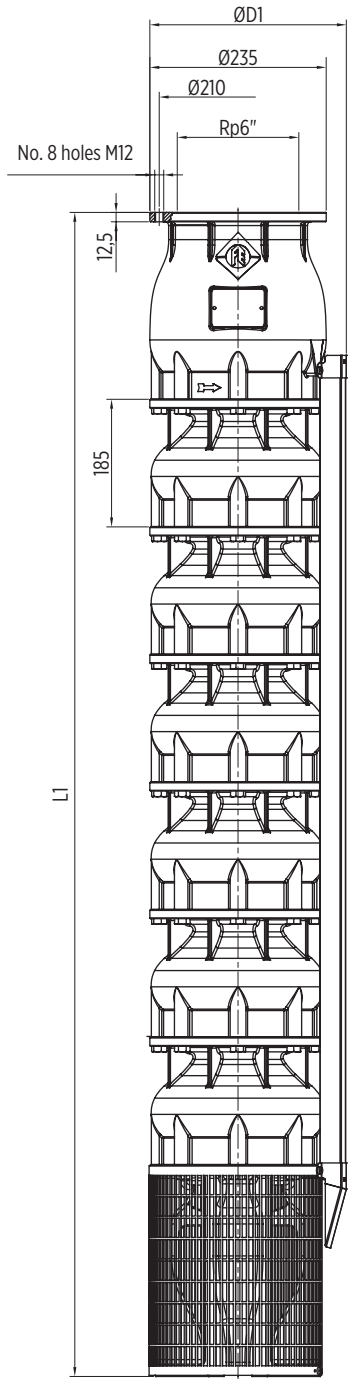
$$Q_2 = Q_1 \cdot \left(\frac{n_2}{n_1}\right) \quad , \quad H_2 = H_1 \cdot \left(\frac{n_2}{n_1}\right)^2 \quad , \quad P_2 = P_1 \cdot \left(\frac{n_2}{n_1}\right)^3 \quad , \quad \eta \text{ remains approximately the same.}$$

The rpm number related to the performance curves (Q-H-P) is indicated in the power chart.
Performance curves (Q-H-P) will change according to the formulas above.
Q=Flow, H=Head, P=Power, η=Efficiency

VSI 254 - 50 Hz

TECHNICAL DATA - PUMP END

Pump model	Motor bracket type	Cable guard type [12]	Dimensions [mm]			Net weight [kg]
			L1	ØD1 [3]		
				DOL	SD	Pump
VSI 254/01/1C	M6 [8]	L	753	256	262	56
VSI 254/01/1B	M6 [8]	L	753	256	262	57
VSI 254/01/1A	M6 [8]	L	753	256	262	57,5
VSI 254/01	M6 [8]	L	753	256	262	57,5
VSI 254/02/2B	M6 [8]	L	938	256	262	73
VSI 254/02/1B	M6 [8]	L	938	256	262	74
VSI 254/02/1B	M8	L	901	256	262	69
VSI 254/02	M8	L	901	256	262	69,5
VSI 254/03/3B	M8	L	1086	256	262	84,5
VSI 254/03/2B	M8	L	1086	256	262	85
VSI 254/03/1B	M8	L	1086	256	262	86
VSI 254/03	M8	L	1086	256	262	86,5
VSI 254/04/3B	M8	L	1271	256	262	102
VSI 254/04/2B	M8	L	1271	256	262	102,5
VSI 254/04/1B	M8	L	1271	256	262	103,5
VSI 254/04/1B	M10	M	1271	264	274	103,5
VSI 254/04	M8	L	1271	256	262	104
	M10	M	1271	264	274	104
VSI 254/05/3B	M8	L	1456	256	262	119
	M10	M	1456	264	274	119
VSI 254/05/2B	M8	L	1456	256	262	119,5
	M10	M	1456	264	274	119,5
VSI 254/05/1B	M8	L	1456	256	262	120,5
	M10	M	1456	264	274	120,5
VSI 254/05	M8	L	1456	256	262	121
	M10	M	1456	264	274	121
VSI 254/06/3B	M8	L	1641	256	262	136
	M10	M	1641	264	274	136
VSI 254/06/2B	M8	L	1641	256	262	136,5
	M10	M	1641	264	274	136,5
VSI 254/06/1B	M8	L	1641	256	262	137,5
	M10	M	1641	264	274	137,5
VSI 254/06	M8	L	1641	256	262	138
	M10	M	1641	264	274	138
VSI 254/07/3B	M10	M	1826	264	274	153
VSI 254/07/2B	M10	M	1826	264	274	153,5
VSI 254/07/1B	M10	M	1826	264	274	154,5
VSI 254/07	M10	M	1826	264	274	155
VSI 254/08/3B	M10	M	2011	264	274	170
VSI 254/08/2B	M12	M	2011	264	274	170,5
VSI 254/08/1B	M12	M	2011	264	274	171,5
VSI 254/08	M12	M	2011	264	274	172
VSI 254/09/3B	M12	M	2196	264	274	187,5
VSI 254/09/2B	M12	M	2196	264	274	188
VSI 254/09/1B	M12	M	2196	264	274	189
VSI 254/09	M12	M	2196	264	274	189,5



00130309 04/2023

[3] ØD1: maximum pump diameter

[8] Necessary kit M8xM6 (not included, Ref. n. 20.06, Code 14251020). Already included in length and weight values. For more information see page 77.

[12] Low (L); Medium (M); High (H). For more information see page 80.

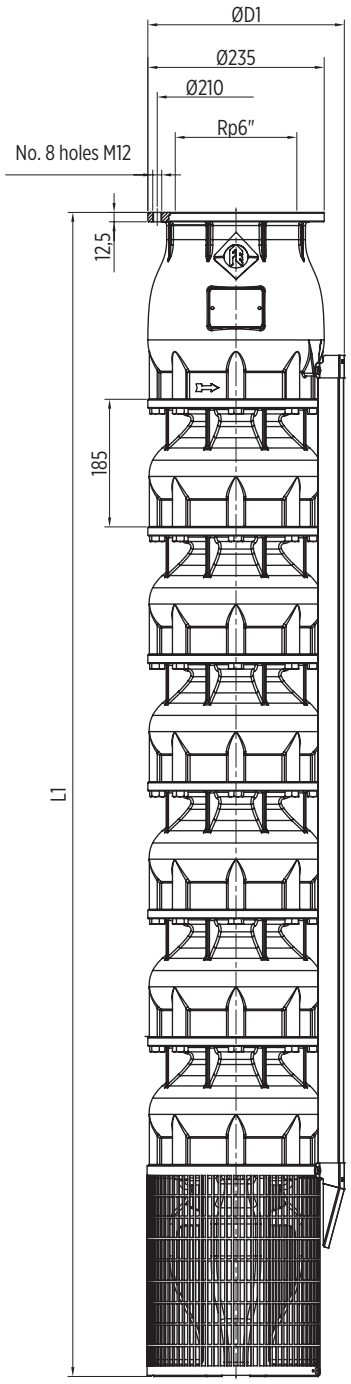
VSI 254 - 50 Hz

Pump model	Motor bracket type	Cable guard type [12]	Dimensions [mm]			Net weight [kg]
			L1	ØD1 [3]		
				DOL	SD	Pump
VSI 254/10/3B	M12	M	2381	264	274	204,5
VSI 254/10/2B	M12	M	2381	264	274	205
VSI 254/10/1B	M12	M	2381	264	274	206
VSI 254/10	M12	M	2381	264	274	206,5
VSI 254/11/3B	M12	M	2566	264	274	221,5
VSI 254/11/2B	M12	M	2566	264	274	222
VSI 254/11/1B	M12	M	2566	264	274	223
VSI 254/11	M12	M	2566	264	274	223,5
VSI 254/12/3B	M12	M	2751	264	274	238,5
VSI 254/12/2B	M12	M	2751	264	274	239
VSI 254/12/1B	M12	M	2751	264	274	240
VSI 254/12	M12	M	2751	264	274	240,5
VSI 254/13/3B	M12	M	2936	264	274	255,5
VSI 254/13/2B	M12	M	2936	264	274	256
VSI 254/13/1B	M12	M	2936	264	274	257
VSI 254/13	M12	M	2936	264	274	257,5
VSI 254/14/3B	M12	M	3121	264	274	273
VSI 254/14/2B	M12	M	3121	264	274	273,5

[3] ØD1: maximum pump diameter

[8] Necessary kit M8xM6 (not included, Ref. n. 20.06, Code 14251020). Already included in length and weight values. For more information see page 77.

[12] Low (L); Medium (M); High (H). For more information see page 80.



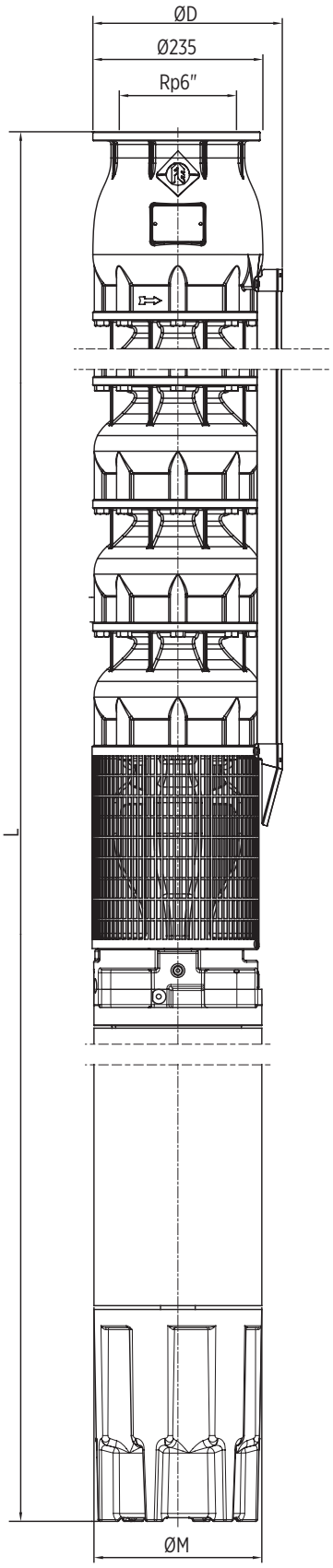
00130309 04/2023

VSI 254 - 50 Hz

TECHNICAL DATA - PUMPS WITH ENCAPSULATED MOTORS

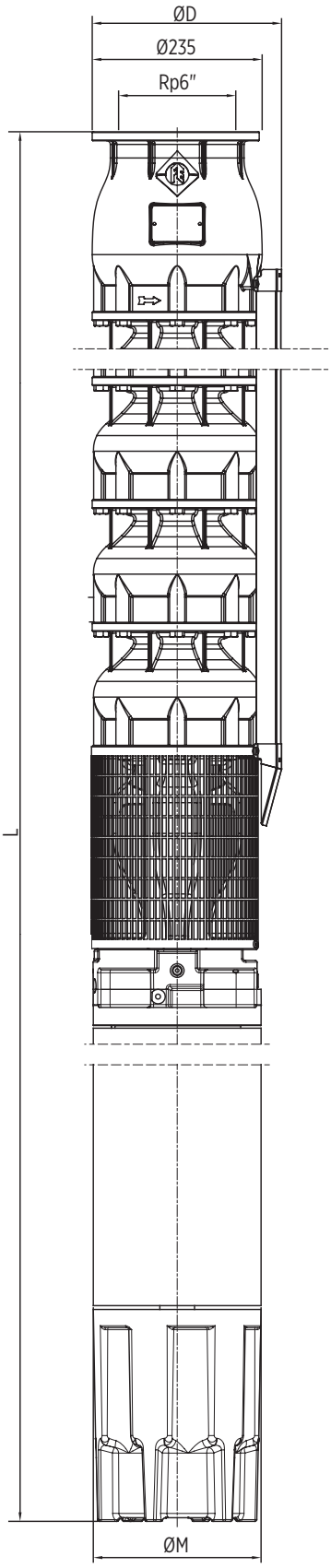
Pump model	Motor			Dimensions [mm]				Net weight [kg]
	Type	[kW]	[HP]	L	ØD [4]		ØM	PMA
				PMA	DOL	SD		
VSI 254/01/1C	CT6 [8]	15	20	1519	256	262	137	111
VSI 254/01/1B	CT6 [8]	18,5	25	1584	256	262	137	119
VSI 254/01/1A	CT6 [8]	22	30	1649	256	262	137	125,5
VSI 254/01	CT6 [8]	30	40	1779	256	262	137	138,5
VSI 254/02/2B	CT6 [8]	37	50	2415	256	262	137	191
VSI 254/02/1B	CT6 [8]	45	60	2567	256	262	137	208
VSI 254/02	CT8	55	75	2165	256	262	191	265,5
VSI 254/03/3B	CT8	55	75	2350	256	262	191	280,5
VSI 254/03/2B	CT8	75	100	2541	256	262	191	317
VSI 254/03/1B	CT8	75	100	2541	256	262	191	318
VSI 254/03	CT8	93	125	2834	256	262	191	376,5
VSI 254/04/3B	CT8	93	125	3019	256	262	191	392
VSI 254/04/2B	CT8	93	125	3019	256	262	191	392,5
VSI 254/04/1B	CT8	110	150	3247	256	262	191	437,5
VSI 254/04	CT8	110	150	3247	256	262	191	438
VSI 254/05/3B	CT8	110	150	3432	256	262	191	453
VSI 254/05/2B	CT8	110	150	3432	256	262	191	453,5
VSI 254/05/1B	CT8	130	175	3635	256	262	191	500,5
VSI 254/05	CT8	130	175	3635	256	262	191	501
VSI 254/06/3B	CT8	150	200	4049	256	262	191	565
VSI 254/06/2B	CT8	150	200	4049	256	262	191	565,5
VSI 254/06/1B	CT8	150	200	4049	256	262	191	566,5
VSI 254/06	CT8	150	200	4049	256	262	191	567

[4] ØD: maximum electropump diameter
[8] Necessary kit M8xM6 (not included, Ref. n. 20.06, Code 14251020). Already included in length and weight values. For more information see page 77.



TECHNICAL DATA - PUMPS WITH REWINDABLE MOTORS

Pump model	Motor			Dimensions [mm]				Net weight [kg]
	Type	[kW]	[HP]	L	ØD [4]		ØM	PMA
				PMA	DOL	SD		
VSI 254/01/1C	RW6 [8]	15	20	1607	256	262	142	117
VSI 254/01/1B	RW6 [8]	18,5	25	1652	256	262	142	123
VSI 254/01/1A	RW6 [8]	22	30	1742	256	262	142	134,5
VSI 254/01	RW6 [8]	30	40	1947	256	262	142	155,5
VSI 254/02/2B	RW6 [8] [9]	37	50	2212	256	262	142	178
VSI 254/02/1B	RW8	45	60	2131	256	262	194	225
VSI 254/02	RW8	52	70	2241	256	262	194	248,5
VSI 254/03/3B	RW8	55	75	2426	256	262	194	263,5
VSI 254/03/2B	RW8	67	90	2556	256	262	194	283
VSI 254/03/1B	RW8	75	100	2646	256	262	194	301
VSI 254/03	RW8 [9]	83	110	2826	256	262	194	333,5
VSI 254/04/3B	RW8 [9]	83	110	3011	256	262	194	349
VSI 254/04/2B	RW8 [9]	93	125	3011	256	262	194	349,5
VSI 254/04/1B	RW10	110	150	2800	264	274	235	418,5
VSI 254/04	RW10	110	150	2800	264	274	235	419
VSI 254/05/3B	RW10	110	150	2985	264	274	235	434
VSI 254/05/2B	RW10	110	150	2985	264	274	235	434,5
VSI 254/05/1B	RW10	130	175	3115	264	274	235	482,5
VSI 254/05	RW10	130	175	3115	264	274	235	483
VSI 254/06/3B	RW10	150	200	3410	264	274	235	549
VSI 254/06/2B	RW10	150	200	3410	264	274	235	549,5
VSI 254/06/1B	RW10	150	200	3410	264	274	235	550,5
VSI 254/06	RW10	150	200	3410	264	274	235	551
VSI 254/07/3B	RW10 [9]	185	250	3745	264	274	235	602
VSI 254/07/2B	RW10 [9]	185	250	3745	264	274	235	**602,5**
VSI 254/07/1B	RW10 [9]	185	250	3745	264	274	235	**603,5**
VSI 254/07	RW10 [9]	185	250	3745	264	274	235	**604**
VSI 254/08/3B	RW10 [9]	185	250	3930	264	274	235	**619**
VSI 254/08/2B	RW10 [9]	220	300	3904	288	288	286	**833,5**
VSI 254/08/1B	RW10 [9]	220	300	3904	288	288	286	**834,5**
VSI 254/08	RW12	220	300	3904	288	288	286	**835**
VSI 254/09/3B	RW12	220	300	4089	288	288	286	**850,5**
VSI 254/09/2B	RW12	220	300	4089	288	288	286	**851**
VSI 254/09/1B	RW12	250	340	4089	288	288	286	**852**
VSI 254/09	RW12	250	340	4089	288	288	286	**852,5**
VSI 254/10/3B	RW12	250	340	4274	288	288	286	**867,5**
VSI 254/10/2B	RW12	250	340	4274	288	288	286	**868**
VSI 254/10/1B	RW12	250	340	4274	288	288	286	**869**
VSI 254/10	RW12	300	400	4424	288	288	286	**932,5**
VSI 254/11/3B	RW12	300	400	4609	288	288	286	**947,5**
VSI 254/11/2B	RW12	300	400	4609	288	288	286	**948**
VSI 254/11/1B	RW12	300	400	4609	288	288	286	**949**
VSI 254/11	RW12	300	400	4609	288	288	286	**949,5**



[4] ØD: maximum electropump diameter
[8] Necessary kit M8xM6 (not included, Ref. n. 20.06, Code 14251020). Already included in length and weight values. For more information see page 77.
[9] Motor may not be installed horizontally (if required please contact Franklin Electric).

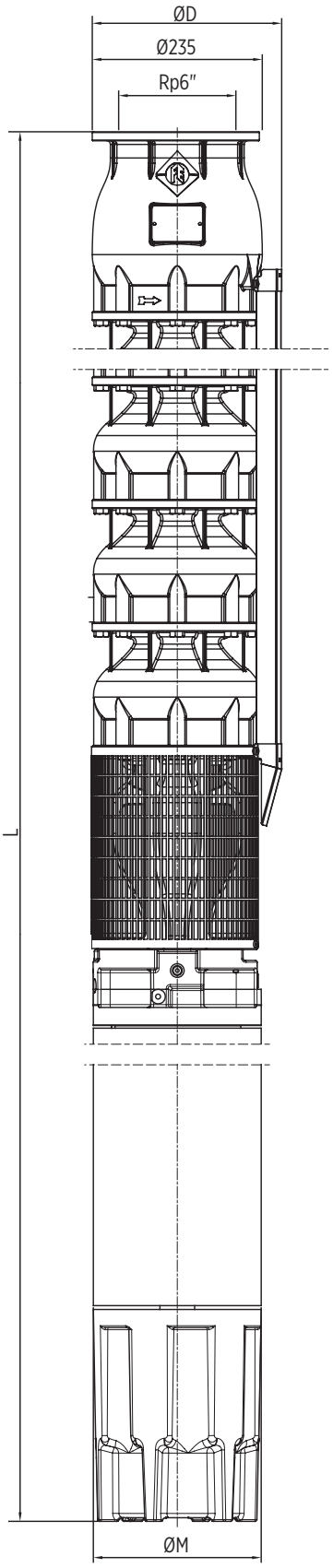
TECHNICAL DATA - PUMPS WITH REWINDABLE MOTORS

Pump model	Motor			Dimensions [mm]				Net weight [kg]
	Type	[kW]	[HP]	L	ØD [4]		ØM	PMA
				PMA	DOL	SD		
VSI 254/12/3B	RW12	300	400	4794	288	288	286	964,5
VSI 254/12/2B	RW12	300	400	4794	288	288	286	**965**
VSI 254/12/1B	RW12	300	400	4794	288	288	286	**966**
VSI 254/12	RW12	350	470	4894	288	288	286	**1.009,5**
VSI 254/13/3B	RW12	350	470	5079	288	288	286	**1.024,5**
VSI 254/13/2B	RW12	350	470	5079	288	288	286	**1.025**
VSI 254/13/1B	RW12	350	470	5079	288	288	286	**1.026**
VSI 254/13	RW12	350	470	5079	288	288	286	**1.026,5**
VSI 254/14/3B	RW12	350	470	5264	288	288	286	**1.042**
VSI 254/14/2B	RW12	350	470	5264	288	288	286	1.042,5

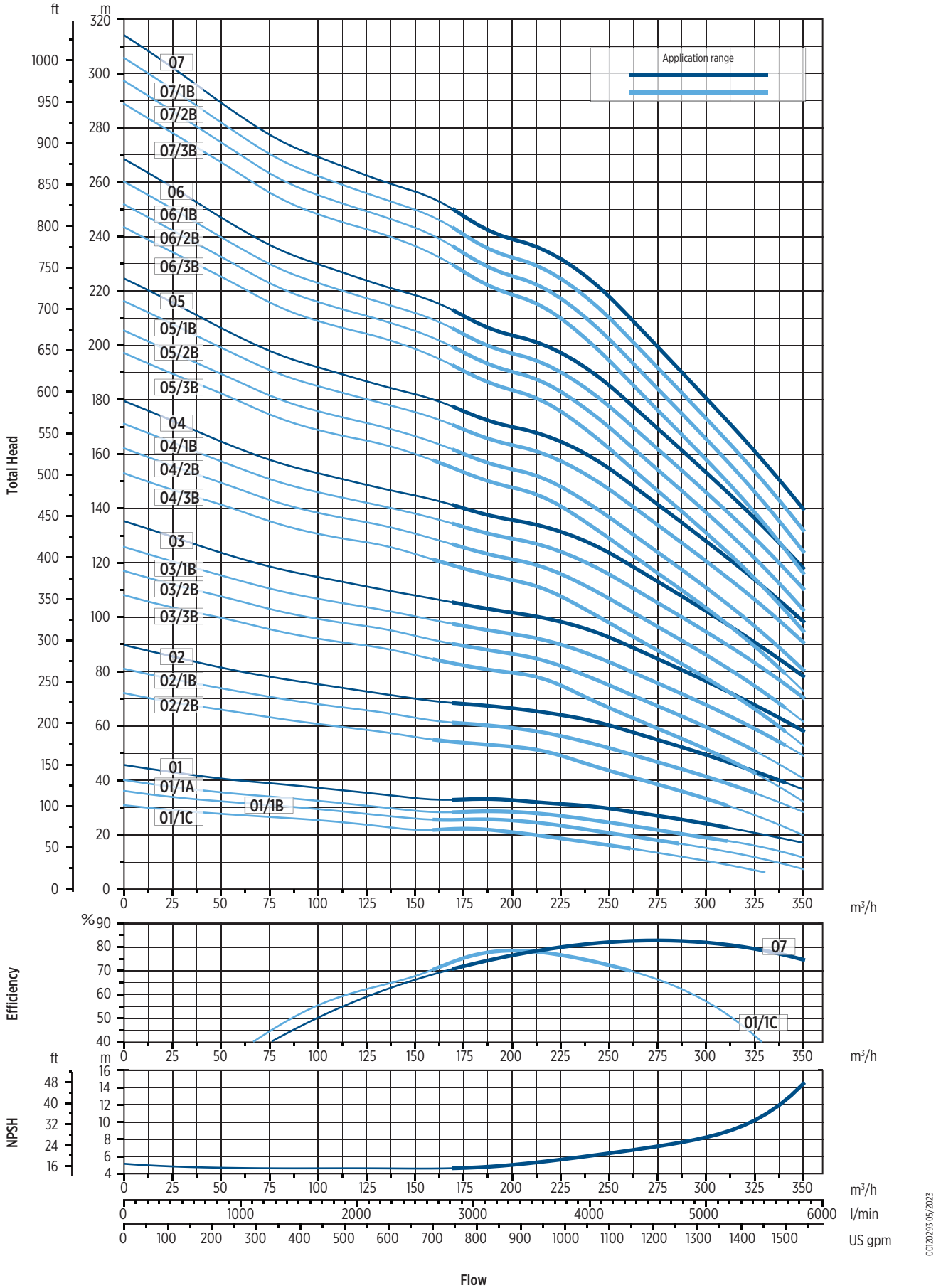
[4] ØD: maximum electropump diameter

[8] Necessary kit M8xM6 (not included, Ref. n. 20.06, Code 14251020). Already included in length and weight values. For more information see page 77.

[9] Motor may not be installed horizontally (if required please contact Franklin Electric).



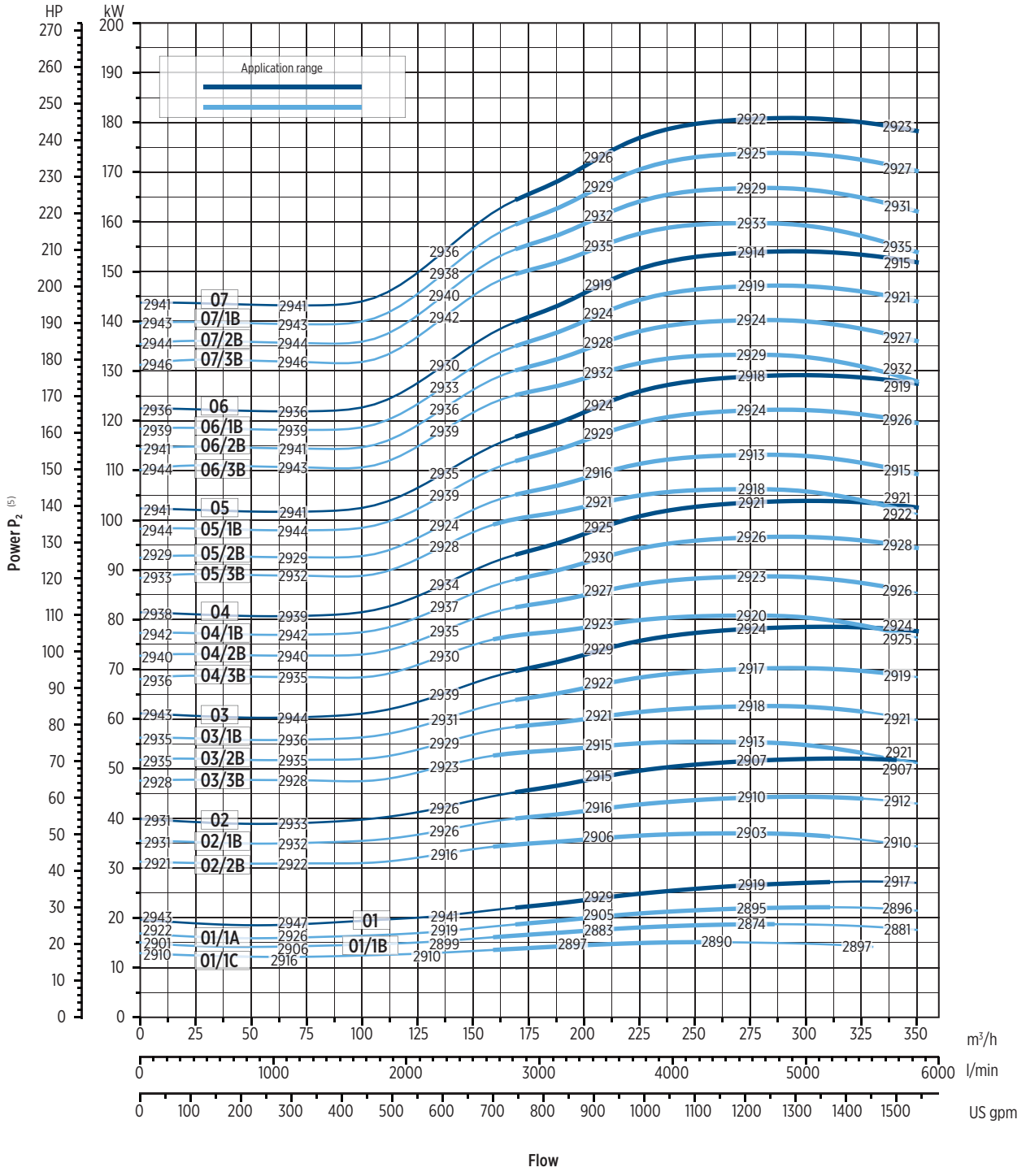
VSI 254 – PERFORMANCE CURVES AT 50 HZ



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

00120293 05/2023

VSI 254 – PERFORMANCE CURVES AT 50 HZ



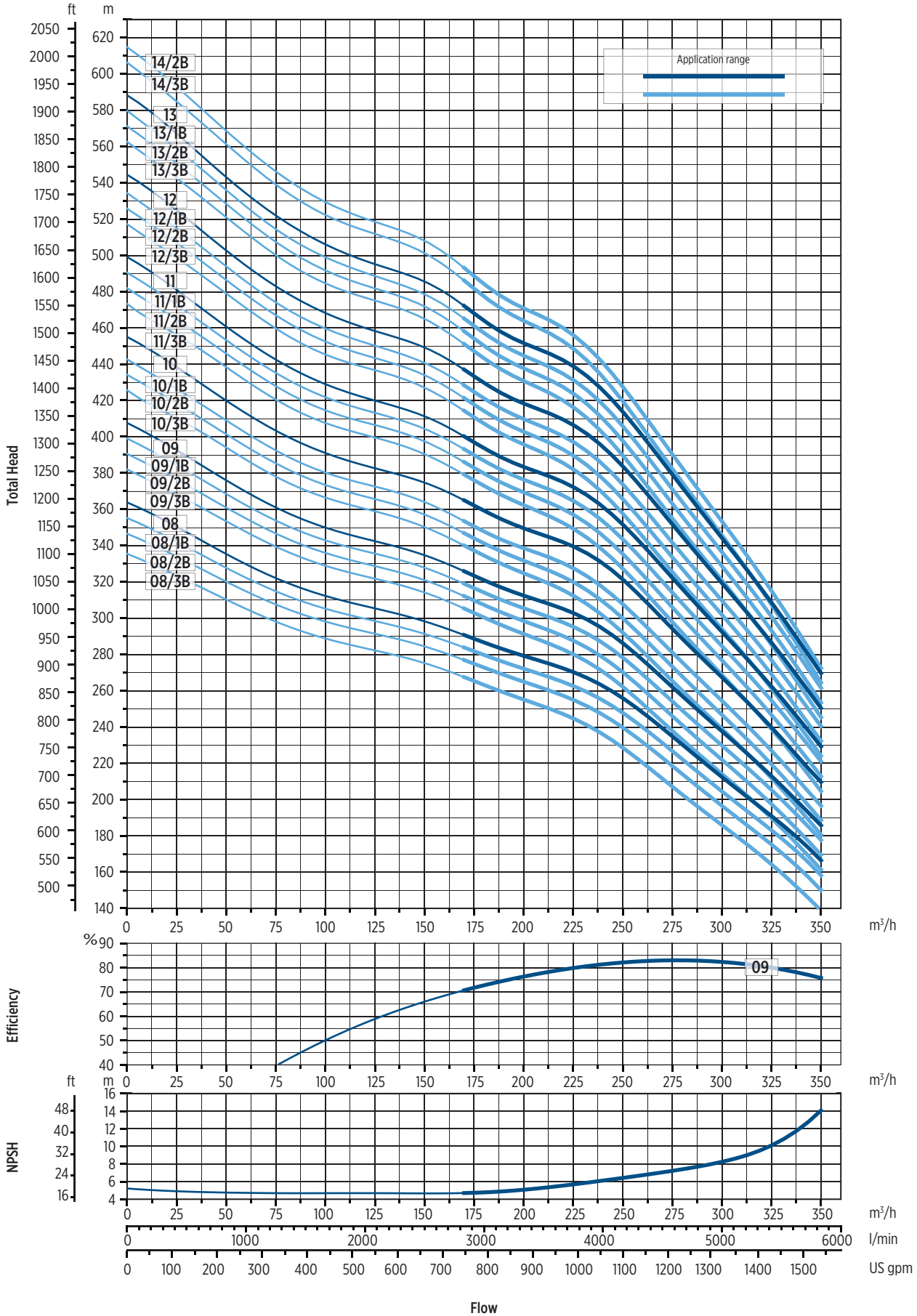
(5) Motor speed referred to rewindable motor

Performance curves of Q, H and P depend on the rpm number according to the following formula:

$$Q_2 = Q_1 \cdot \left(\frac{n_2}{n_1}\right) \quad , \quad H_2 = H_1 \cdot \left(\frac{n_2}{n_1}\right)^2 \quad , \quad P_2 = P_1 \cdot \left(\frac{n_2}{n_1}\right)^3 \quad , \quad \eta \text{ remains approximately the same.}$$

The rpm number related to the performance curves (Q-H-P) is indicated in the power chart.
Performance curves (Q-H-P) will change according to the formulas above.
Q=Flow, H=Head, P=Power, η=Efficiency

VSI 254 – PERFORMANCE CURVES AT 50 HZ

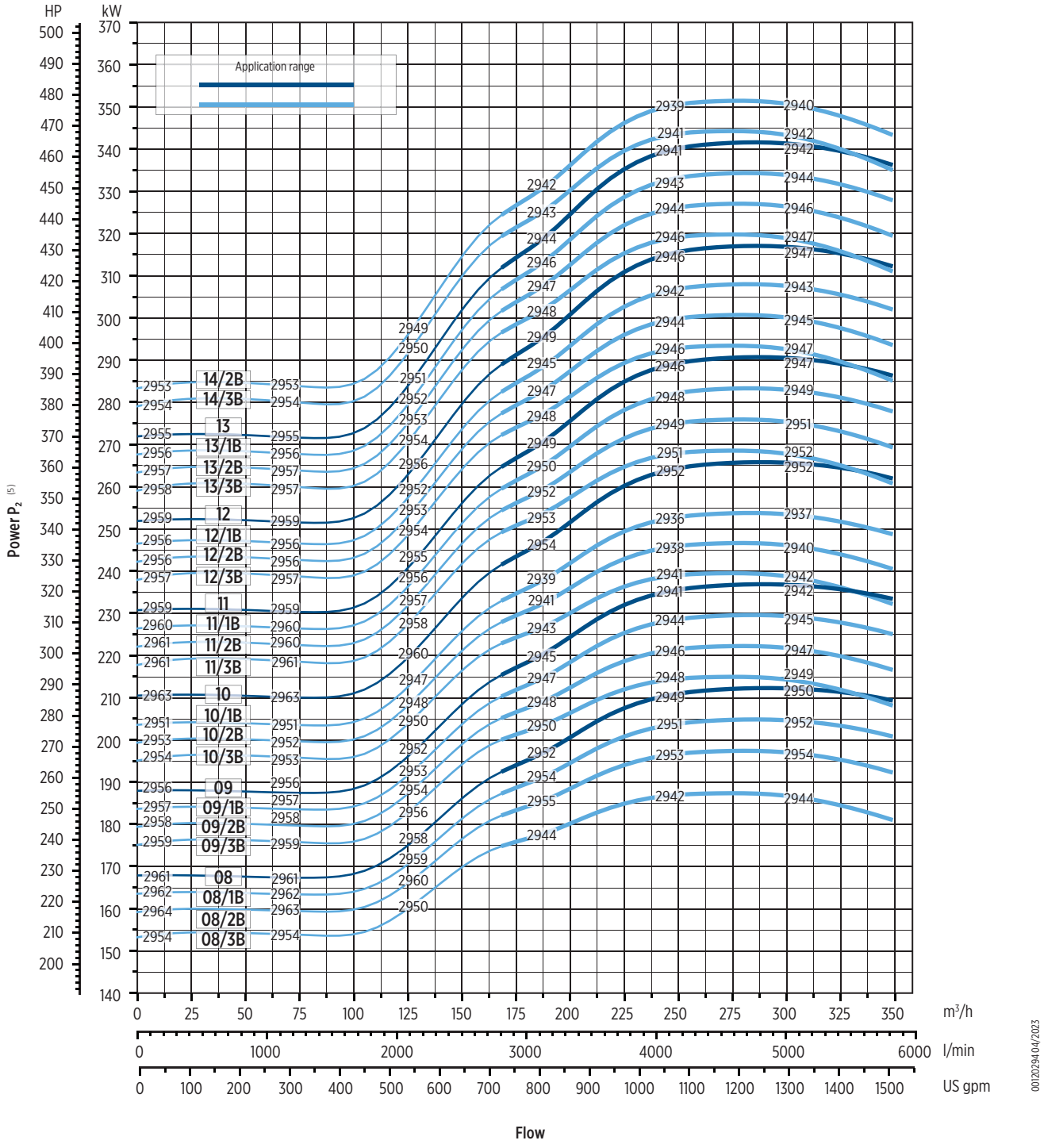


The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

00120294 05/2023

Franklin Electric

VSI 254 – PERFORMANCE CURVES AT 50 HZ



(5) Motor speed referred to rewindable motor

Performance curves of Q, H and P depend on the rpm number according to the following formula:

$$Q_2 = Q_1 \cdot \left(\frac{n_2}{n_1}\right) \quad , \quad H_2 = H_1 \cdot \left(\frac{n_2}{n_1}\right)^2 \quad , \quad P_2 = P_1 \cdot \left(\frac{n_2}{n_1}\right)^3 \quad , \quad \eta \text{ remains approximately the same.}$$

The rpm number related to the performance curves (Q-H-P) is indicated in the power chart.
Performance curves (Q-H-P) will change according to the formulas above.
Q=Flow, H=Head, P=Power, η=Efficiency

VSI 344 - 50 Hz

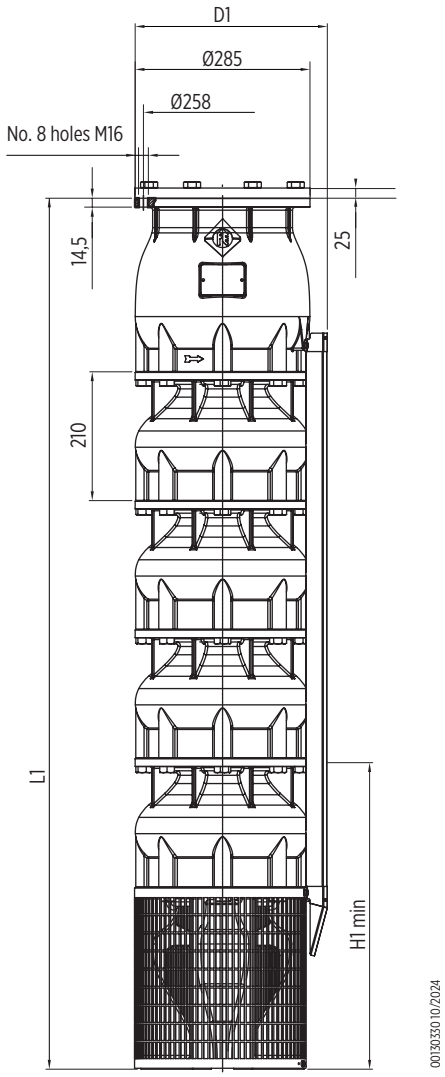
TECHNICAL DATA - PUMP END

Pump model	Motor bracket type	Cable guard type [12]	Dimensions [mm]			Net weight [kg]
			L1	ØD1 [3]		
				DOL	SD	Pump
VSI 344/01/1C	M8	L	815	297	302	84
VSI 344/01/1B	M8	L	815	297	302	84,5
VSI 344/01/1A	M8	L	815	297	302	85
VSI 344/01	M8	L	815	297	302	85,5
VSI 344/02/2B	M8	L	1025	297	302	112,5
VSI 344/02/1B	M8	L	1025	297	302	113,5
VSI 344/02	M8	L	1025	297	302	114,5
	M10	M	1025	304	313	114,5
VSI 344/03/2B	M8	L	1235	297	302	142
	M10	M	1235	304	313	142
VSI 344/03/1B	M8	L	1235	297	302	143
	M10	M	1235	304	313	143
VSI 344/03	M10	M	1235	304	313	144
VSI 344/04/2B	M10	M	1445	304	313	171
VSI 344/04/1B	M12	M	1445	304	313	172
VSI 344/04	M12	M	1445	304	313	173
VSI 344/05/2B	M12	M	1655	304	313	200
VSI 344/05/1B	M12	M	1655	304	313	201
VSI 344/05	M12	M	1655	304	313	202
VSI 344/06/2B	M12	M	1865	304	313	290
VSI 344/06/1B	M12	M	1865	304	313	230
VSI 344/06	M12	M	1865	304	313	231
VSI 344/07/2B	M12	M	2075	304	313	258
VSI 344/07/1B	M12	M	2075	304	313	259

[3] ØD1: maximum pump diameter

[7] Pump with kit motor adapter. Already included in length and weight values.. For more information see page 78.

[12] Low (L); Medium (M); High (H). For more information see page 80.

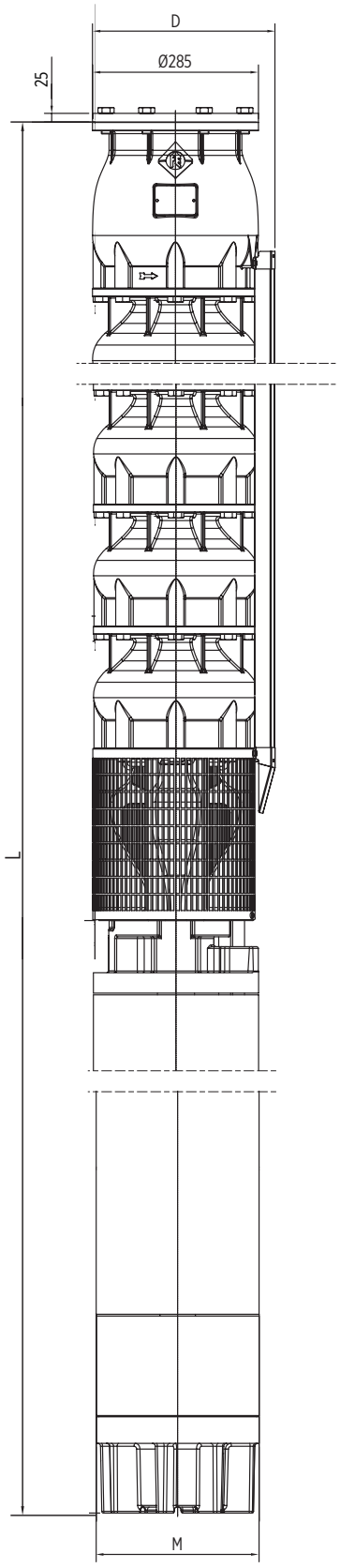


VSI 344 - 50 Hz

TECHNICAL DATA - PUMPS WITH ENCAPSULATED MOTORS

Pump model	Motor			Dimensions [mm]				Net weight [kg]
	Type	[kW]	[HP]	L	ØD (4)		ØM	PMA
				PMA	DOL	SD		
VSI 344/01/1C	CT8	30	40	1955	297	302	191	201
VSI 344/01/1B	CT8	37	50	1955	297	302	191	2.155
VSI 344/01/1A	CT8	45	60	2045	297	302	191	228
VSI 344/01	CT8	55	75	2155	297	302	191	2.815
VSI 344/02/2B	CT8	75	100	2585	297	302	191	3.445
VSI 344/02/1B	CT8	93	125	2765	297	302	191	4.035
VSI 344/02	CT8	110	150	2444	297	302	191	4.485
VSI 344/03/2B	CT8	130	175	2894	297	302	191	522
VSI 344/03/1B	CT8	150	200	3004	297	302	191	572

(4) ØD: maximum electropump diameter

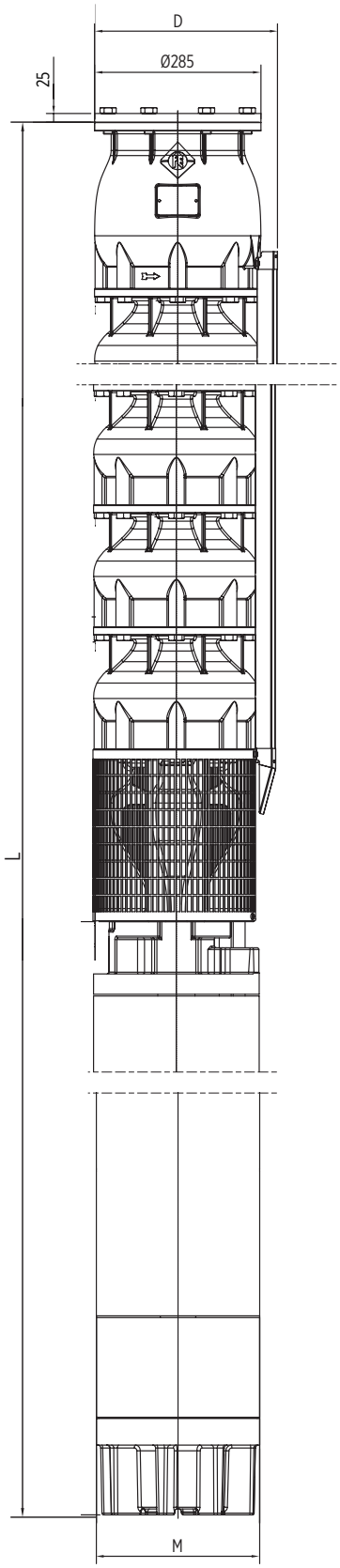


VSI 344 - 50 Hz

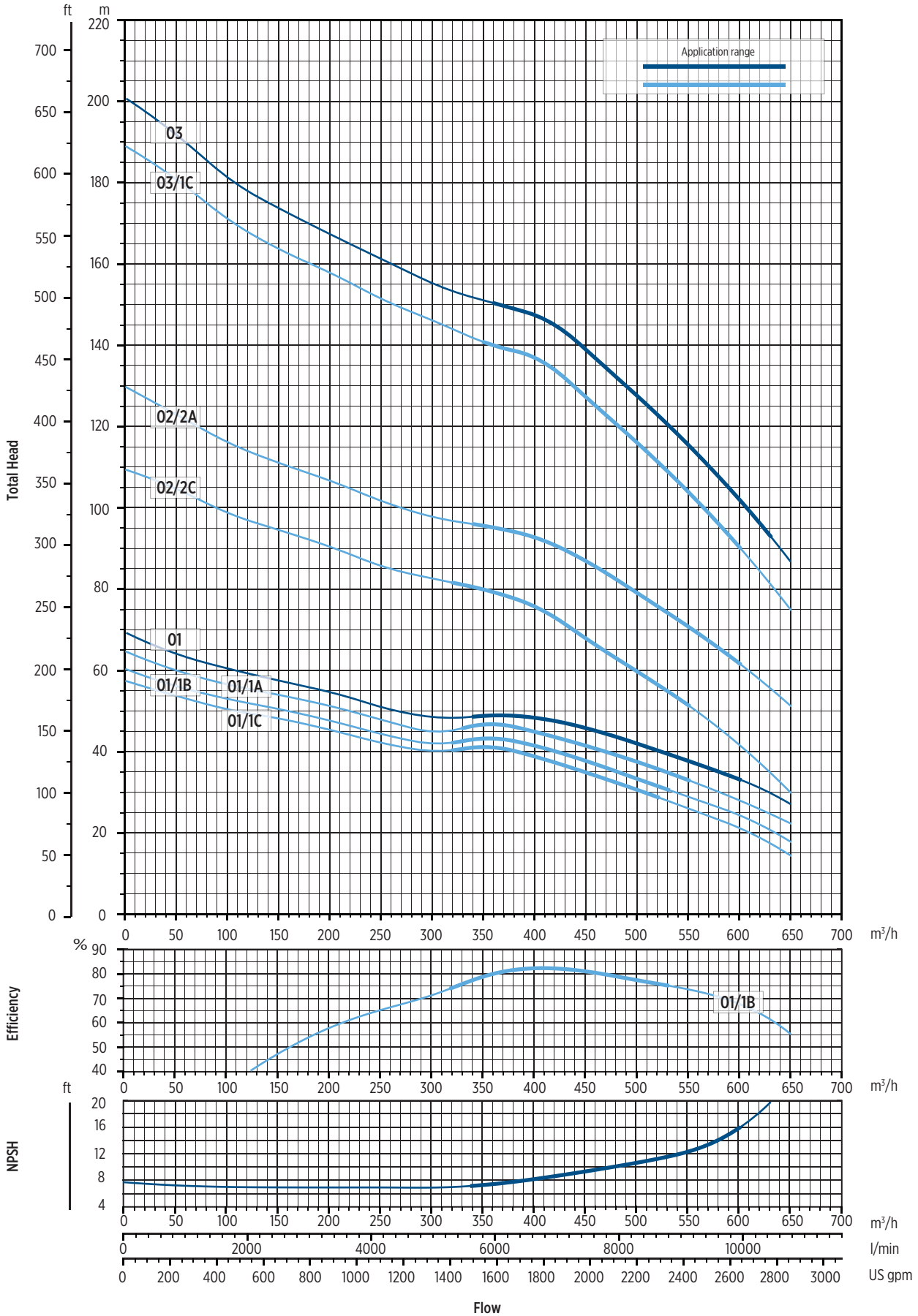
TECHNICAL DATA - PUMPS WITH REWINDABLE MOTORS

Pump model	Motor			Dimensions [mm]				Net weight [kg]
	Type	[kW]	[HP]	L	ØD [4]		ØM	PMA
				PMA	DOL	SD		
VSI 344/01/1C	RW8	30	40	1140	297	302	194	224
VSI 344/01/1B	RW8	37	50	1140	297	302	194	224,5
VSI 344/01/1A	RW8	45	60	1230	297	302	194	241
VSI 344/01	RW8	55	75	1340	297	302	194	264,5
VSI 344/02/2B	RW8	75	100	1560	297	302	194	327,5
VSI 344/02/1B	RW8 [9]	93	125	1740	297	302	194	360,5
VSI 344/02	RW10	110	150	1419	304	313	235	394,5
VSI 344/03/2B	RW10	130	175	1659	304	313	235	504
VSI 344/03/1B	RW10	150	200	1769	304	313	235	556
VSI 344/03	RW10 [9]	185	250	1919	304	313	235	593
VSI 344/04/2B	RW10 [9]	185	250	1919	304	313	235	620
VSI 344/04/1B	RW12	220	300	1893	309	316	286	835
VSI 344/04	RW12	220	300	1893	309	316	286	836
VSI 344/05/2B	RW12	250	340	1893	309	316	286	863
VSI 344/05/1B	RW12	250	340	1893	309	316	286	864
VSI 344/05	RW12	300	400	2043	309	316	286	928
VSI 344/06/2B	RW12	300	400	2043	309	316	286	2.272
VSI 344/06/1B	RW12	300	400	2043	309	316	286	2.273
VSI 344/06	RW12	350	470	2143	309	316	286	1.000
VSI 344/07/2B	RW12	350	470	2143	309	316	286	2.401
VSI 344/07/1B	RW12	350	470	2143	309	316	286	2.402

[4] ØD: maximum electropump diameter
[9] Motor may not be installed horizontally (if required please contact Franklin Electric).



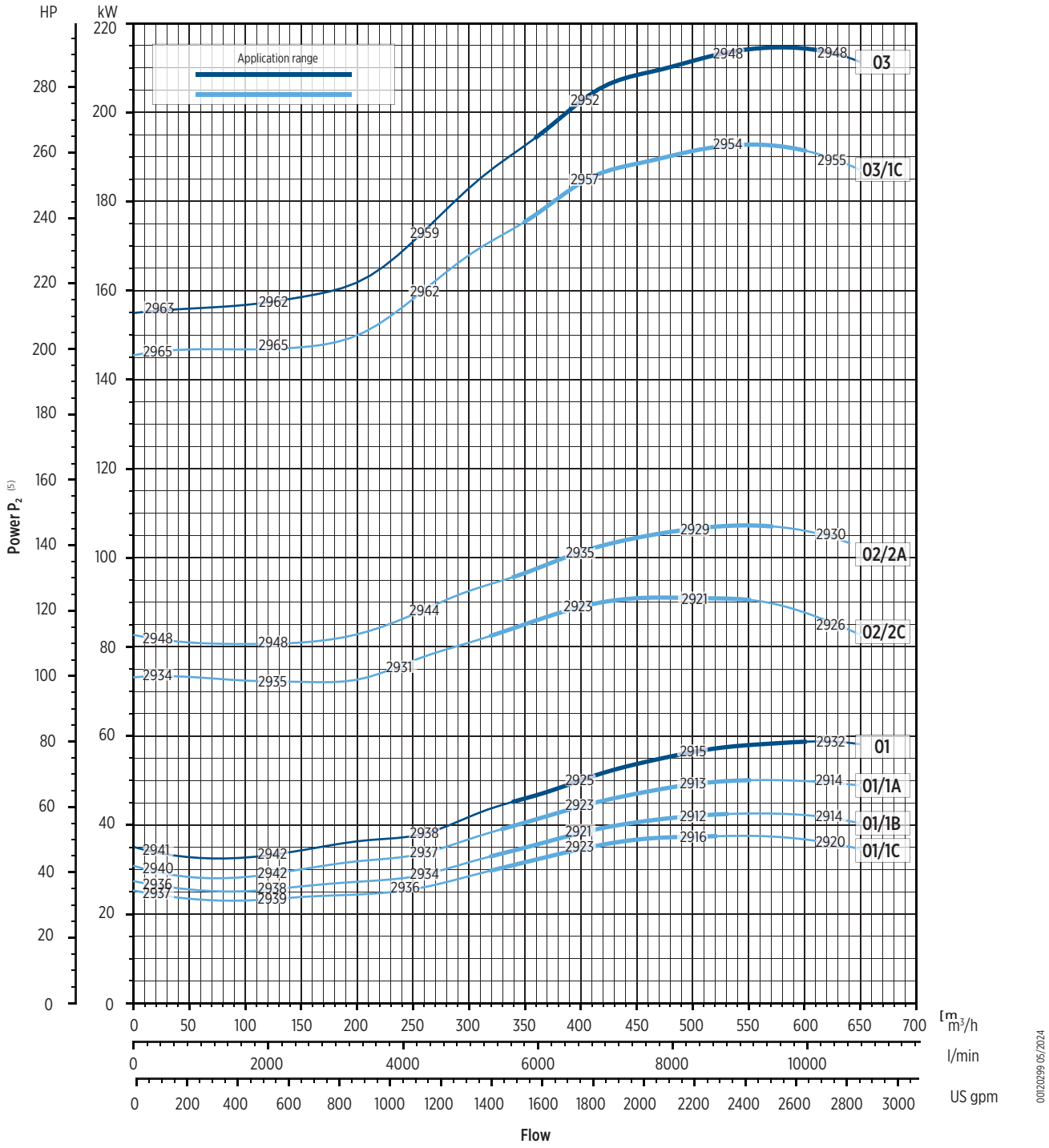
VSI 344 – PERFORMANCE CURVES AT 50 HZ



00120299 05/2024

The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

VSI 344 - PERFORMANCE CURVES AT 50 HZ



00120099 05/2024

(5) Motor speed referred to rewindable motor

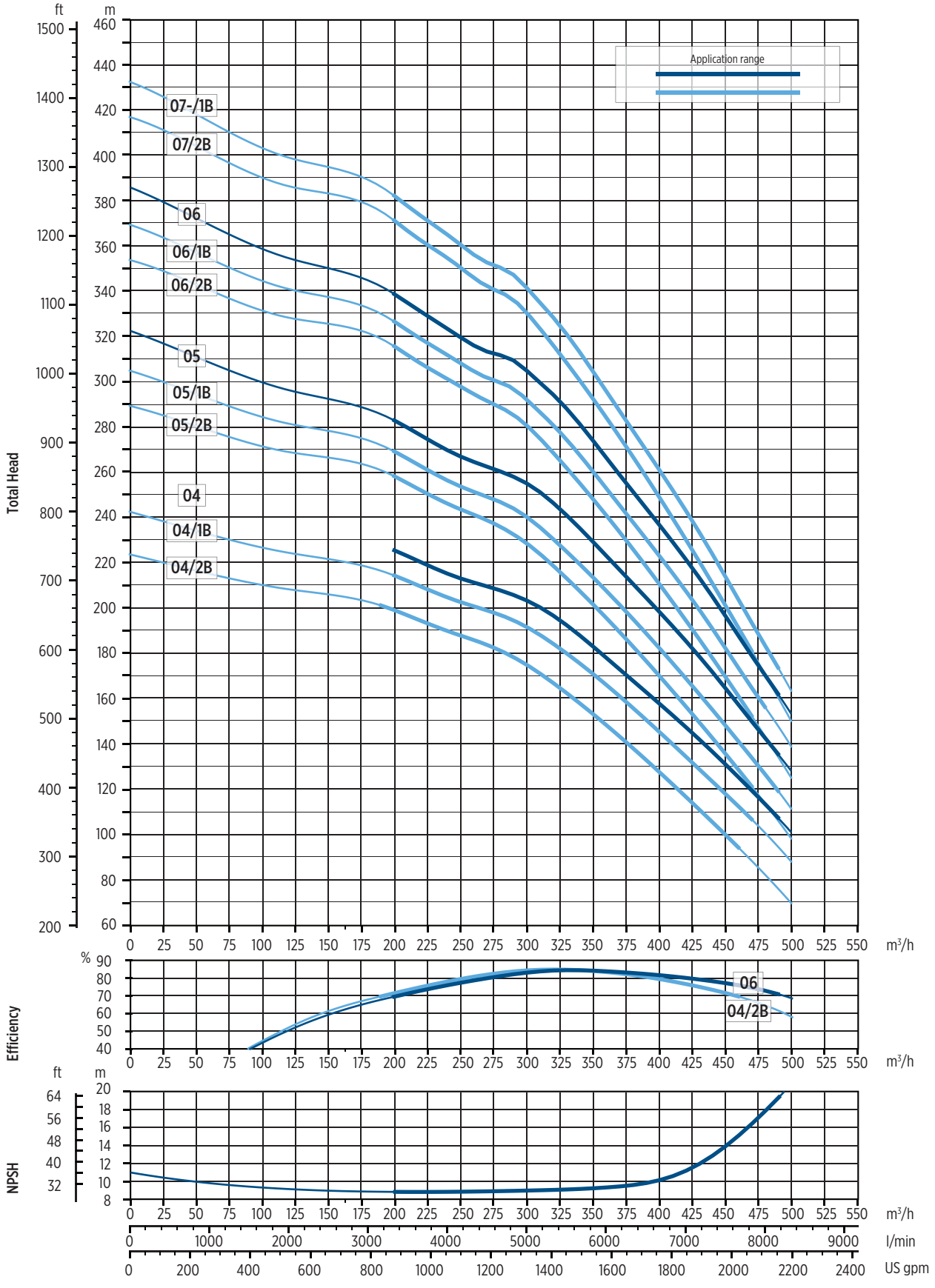
Performance curves of Q, H and P depend on the rpm number according to the following formula:

$$Q_2 = Q_1 \cdot \left(\frac{n_2}{n_1}\right) \quad , \quad H_2 = H_1 \cdot \left(\frac{n_2}{n_1}\right)^2 \quad , \quad P_2 = P_1 \cdot \left(\frac{n_2}{n_1}\right)^3 \quad , \quad \eta \text{ remains approximately the same.}$$

The rpm number related to the performance curves (Q-H-P) is indicated in the power chart.
Performance curves (Q-H-P) will change according to the formulas above.
Q=Flow, H=Head, P=Power, η=Efficiency

The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

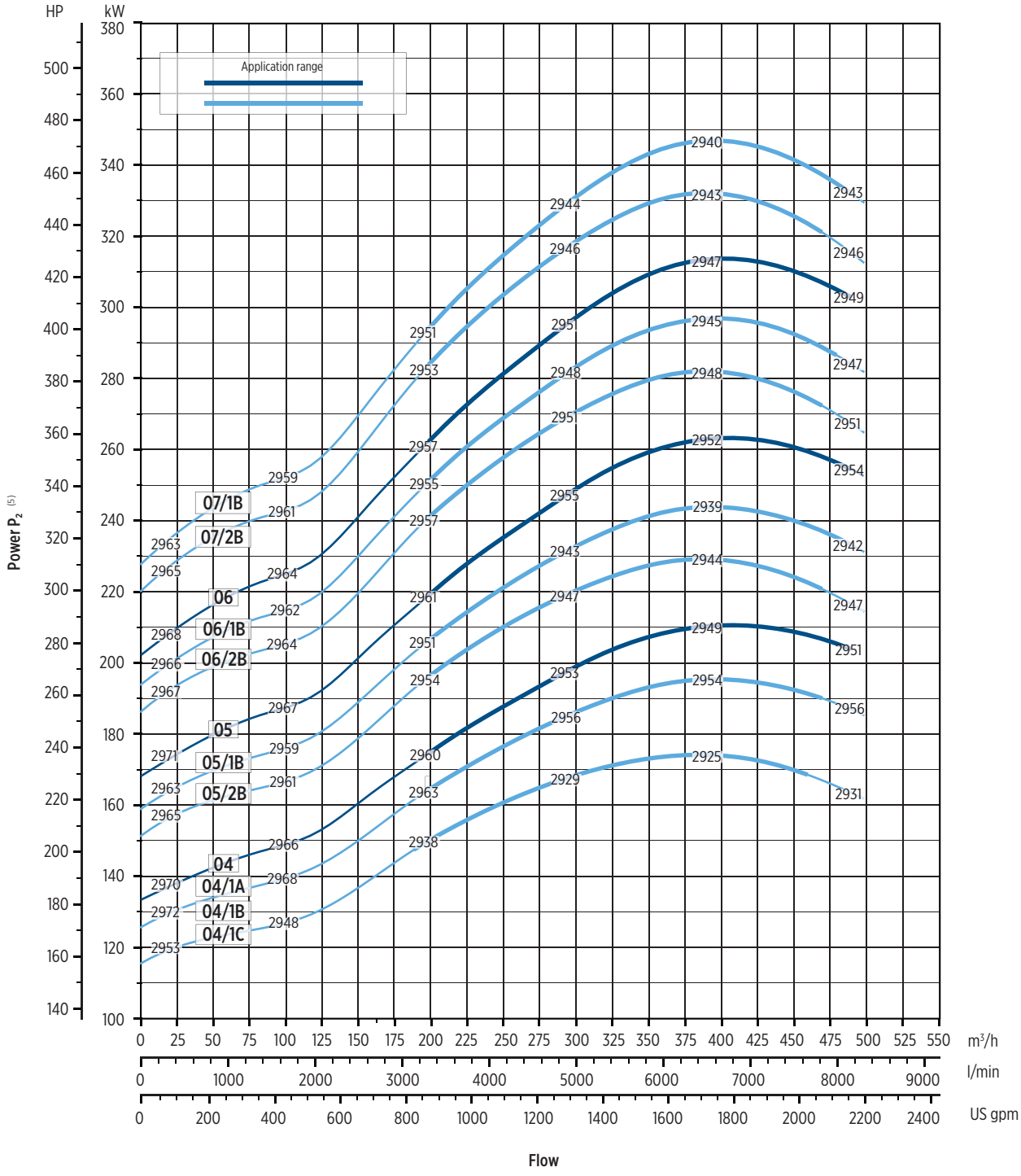
VSI 344 – PERFORMANCE CURVES AT 50 HZ



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

00120298 12/2023

VSI 344 - PERFORMANCE CURVES AT 50 HZ



(5) Motor speed referred to rewindable motor

Performance curves of Q, H and P depend on the rpm number according to the following formula:

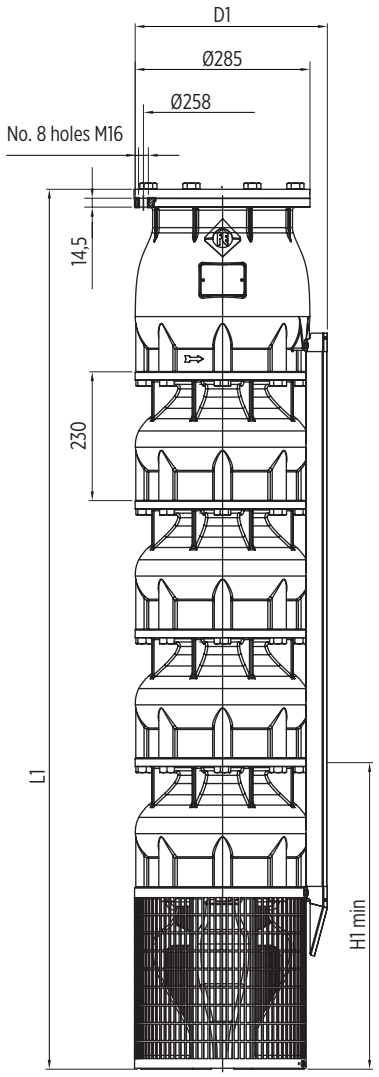
$$Q_2 = Q_1 \cdot \left(\frac{n_2}{n_1}\right) \quad , \quad H_2 = H_1 \cdot \left(\frac{n_2}{n_1}\right)^2 \quad , \quad P_2 = P_1 \cdot \left(\frac{n_2}{n_1}\right)^3 \quad , \quad \eta \text{ remains approximately the same.}$$

The rpm number related to the performance curves (Q-H-P) is indicated in the power chart.
Performance curves (Q-H-P) will change according to the formulas above.
Q=Flow, H=Head, P=Power, η=Efficiency

VSI 454 - 50 Hz

TECHNICAL DATA - PUMP END

Pump model	Motor bracket type	Cable guard type [12]	Dimensions [mm]			Net weight [kg]
			L1	ØD1 [3]		
				DOL	SD	Pump
VSI 454/01-1F	M8	L	835	297	302	84,5
VSI 454/01-1E	M8	L	835	297	302	85
VSI 454/01-1D	M8	L	835	297	302	85
VSI 454/01-1C	M8	L	835	297	302	85,5
VSI 454/01-1B	M8	L	835	297	302	85,5
VSI 454/01-1A	M8	L	835	297	302	86
VSI 454/01	M8	L	835	297	302	86
VSI 454/02-2F	M8	L	1065	297	302	113
VSI 454/02-2E	M8	L	1065	297	302	113,5
VSI 454/02-2C	M8	L	1065	297	302	114,5
	M10	M	1065	304	313	114,5
VSI 454/02-1D	M8	L	1065	297	302	114,5
	M10	M	1065	304	313	114,5
VSI 454/02-1A	M8	L	1065	297	302	115,5
	M10	M	1065	304	313	115,5
VSI 454/03-1E1F	M10	M	1065	304	313	114,5
VSI 454/03-2D	M8	L	1065	297	302	115,5
VSI 454/03-1F	M10	M	1065	304	313	115,5
VSI 454/03-1C	M12	M	1295	304	313	142,5
VSI 454/03	M12	M	1295	304	313	143,5
VSI 454/04-2E	M12	M	1295	304	313	143,5
VSI 454/04-1C1D	M12	M	1295	304	313	144,5
VSI 454/04-1E	M12	M	1295	304	313	145
VSI 454/04-1B	M12	M	1525	304	313	172,5
VSI 454/04	M12	M	1525	304	313	173
VSI 454/05-1E1F	M12	M	1525	304	313	173,5
VSI 454/05-2D	M12	M	1525	304	313	174
VSI 454/05-1F	M12	M	1525	304	313	174,5
VSI 454/05-1B	M12	M	1755	304	313	201,5



[3] ØD1: maximum pump diameter

[7] Pump with kit motor adapter. Already included in length and weight values.. For more information see page 78.

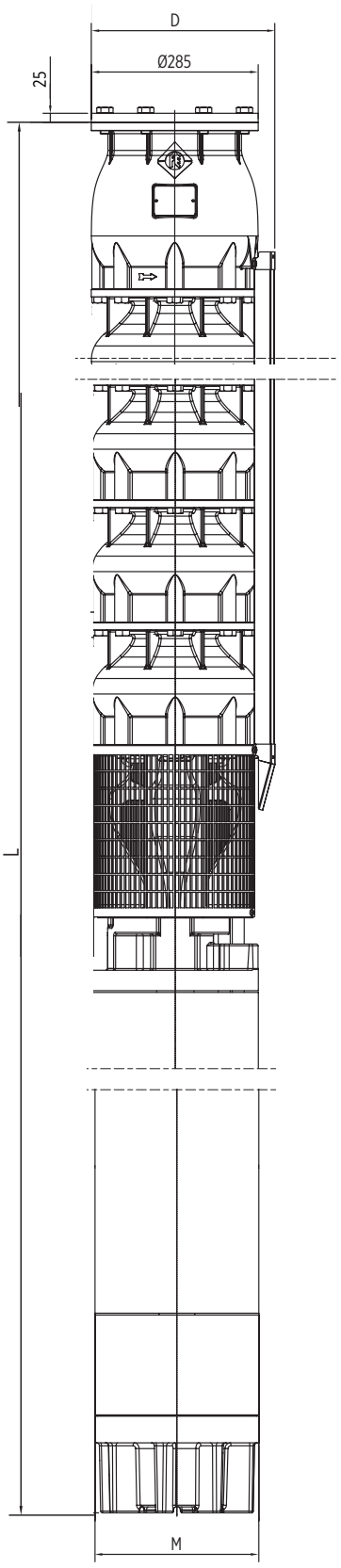
[12] Low (L); Medium (M); High (H). For more information see page 80.

VSI 454 - 50 Hz

TECHNICAL DATA - PUMPS WITH ENCAPSULATED MOTORS

Pump model	Motor			Dimensions [mm]				Net weight [kg]
	Type	[kW]	[HP]	L	ØD (4)		ØM	PMA
				PMA	DOL	SD		
VSI 454/01-1F	CT8	45	60	1912	297	302	191	227,5
VSI 454/01-1E	CT8	45	60	1912	297	302	191	228
VSI 454/01-1D	CT8	55	75	2099	297	302	191	281
VSI 454/01-1C	CT8	55	75	2099	297	302	191	281,5
VSI 454/01-1B	CT8	75	100	2290	297	302	191	317,5
VSI 454/01-1A	CT8	75	100	2290	297	302	191	318
VSI 454/01	CT8	75	100	2290	297	302	191	318
VSI 454/02-2F	CT8	93	125	2813	297	302	191	403
VSI 454/02-2E	CT8	93	125	2813	297	302	191	403,5
VSI 454/02-2C	CT8	110	150	3041	297	302	191	448,5
VSI 454/02-1D	CT8	130	175	3244	297	302	191	534,5
VSI 454/02-1A	CT8	150	200	3473	297	302	191	608,5

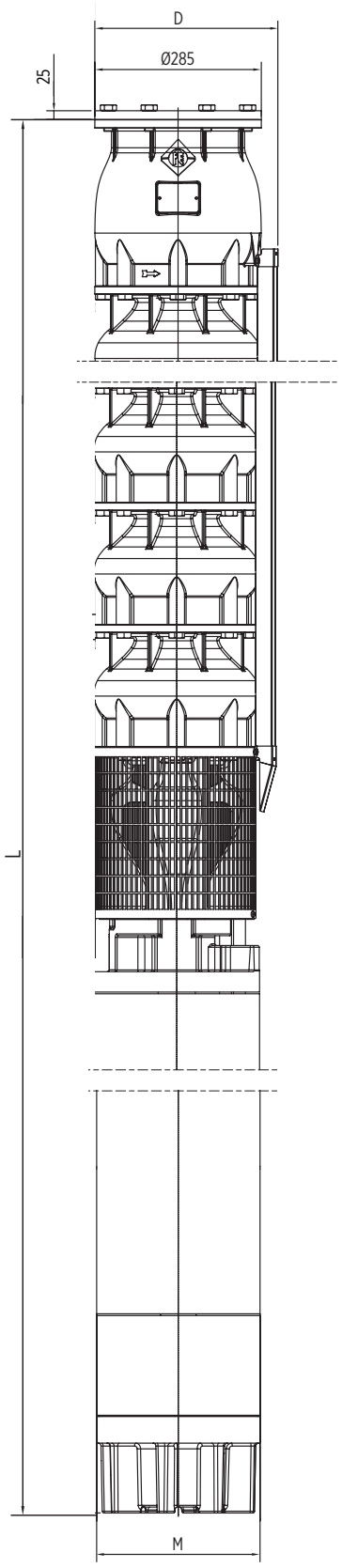
(4) ØD: maximum electropump diameter



VSI 454 - 50 Hz

TECHNICAL DATA - PUMPS WITH REWINDABLE MOTORS

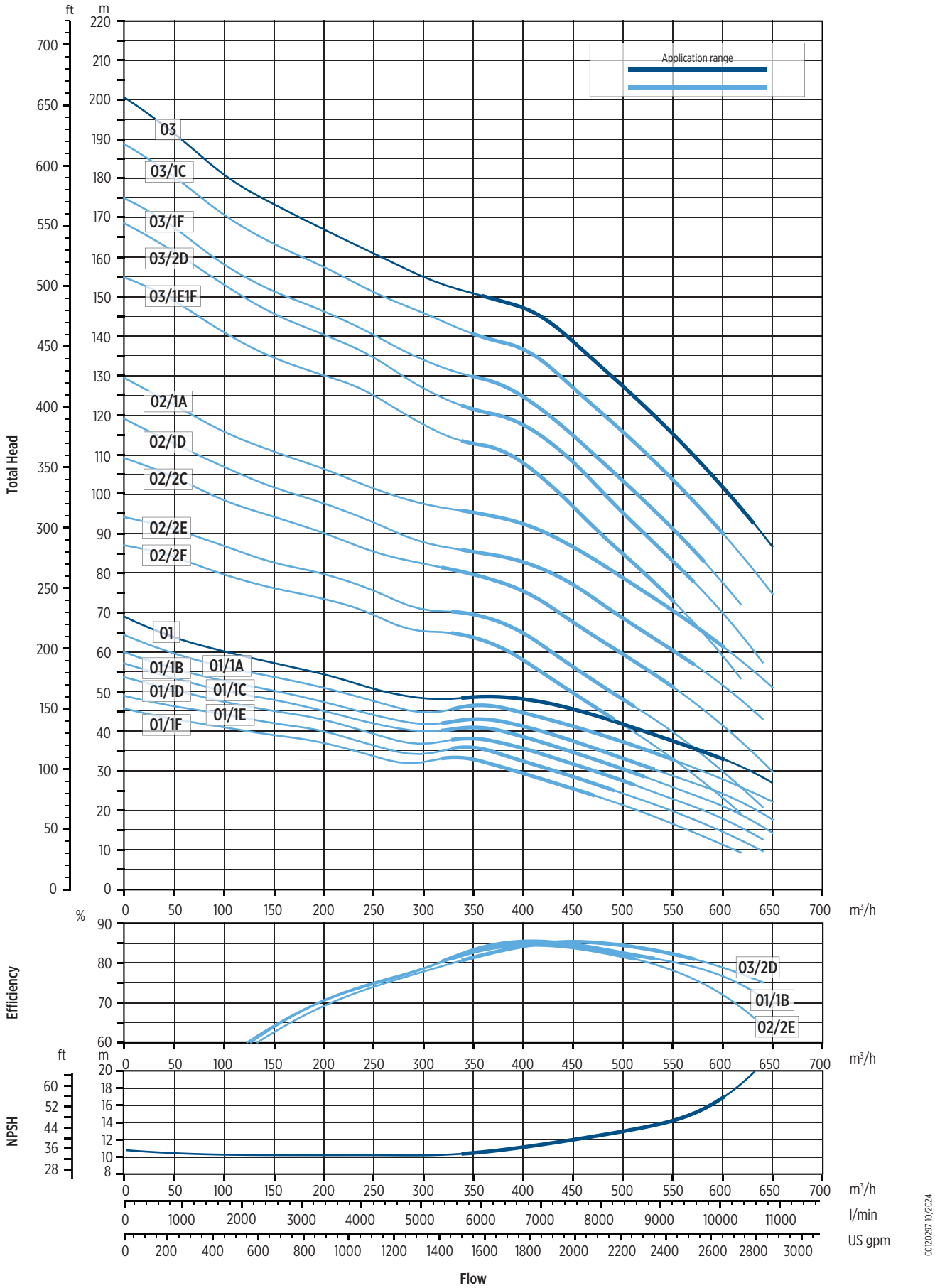
Pump model	Motor			Dimensions [mm]				Net weight [kg]
	Type	[kW]	[HP]	L	ØD [4]		ØM	PMA
				PMA	DOL	SD		
VSI 454/01-1F	RW8	45	60	2065	297	302	194	240,5
VSI 454/01-1E	RW8	45	60	2065	297	302	194	241
VSI 454/01-1D	RW8	52	70	2175	297	302	194	264
VSI 454/01-1C	RW8	55	75	2175	297	302	194	264,5
VSI 454/01-1B	RW8	60	80	2305	297	302	194	283,5
VSI 454/01-1A	RW8	67	90	2305	297	302	194	284
VSI 454/01	RW8	75	100	2395	297	302	194	301
VSI 454/02-2F	RW8 [9]	83	110	2805	297	302	194	360
VSI 454/02-2E	RW8 [9]	93	125	2805	297	302	194	360,5
VSI 454/02-2C	RW10	110	150	2594	304	313	235	429,5
VSI 454/02-1D	RW10	130	175	2724	304	313	235	476,5
VSI 454/02-1A	RW10	150	200	2834	304	313	235	528,5
VSI 454/03-1E1F	RW10	150	200	3064	304	313	235	555,5
VSI 454/03-2D	RW10	185	250	3214	304	313	235	592,5
VSI 454/03-1F	RW10	185	250	3214	304	313	235	592,5
VSI 454/03-1C	RW12	220	300	3188	309	316	286	807,5
VSI 454/03	RW12	220	300	3188	309	316	286	808
VSI 454/04-2E	RW12	250	340	3418	309	316	286	835,5
VSI 454/04-1C1D	RW12	250	340	3418	309	316	286	836
VSI 454/04-1E	RW12	250	340	3418	309	316	286	836,5
VSI 454/04-1B	RW12	300	400	3568	309	316	286	900
VSI 454/04	RW12	300	400	3568	309	316	286	900,5
VSI 454/05-1E1F	RW12	300	400	3798	309	316	286	927,5
VSI 454/05-2D	RW12	300	400	3798	309	316	286	928,5
VSI 454/05-1F	RW12	350	470	3898	309	316	286	971,5
VSI 454/05-1B	RW12	350	470	3898	309	316	286	972,5



[4] ØD: maximum electropump diameter

[9] Motor may not be installed horizontally (if required please contact Franklin Electric).

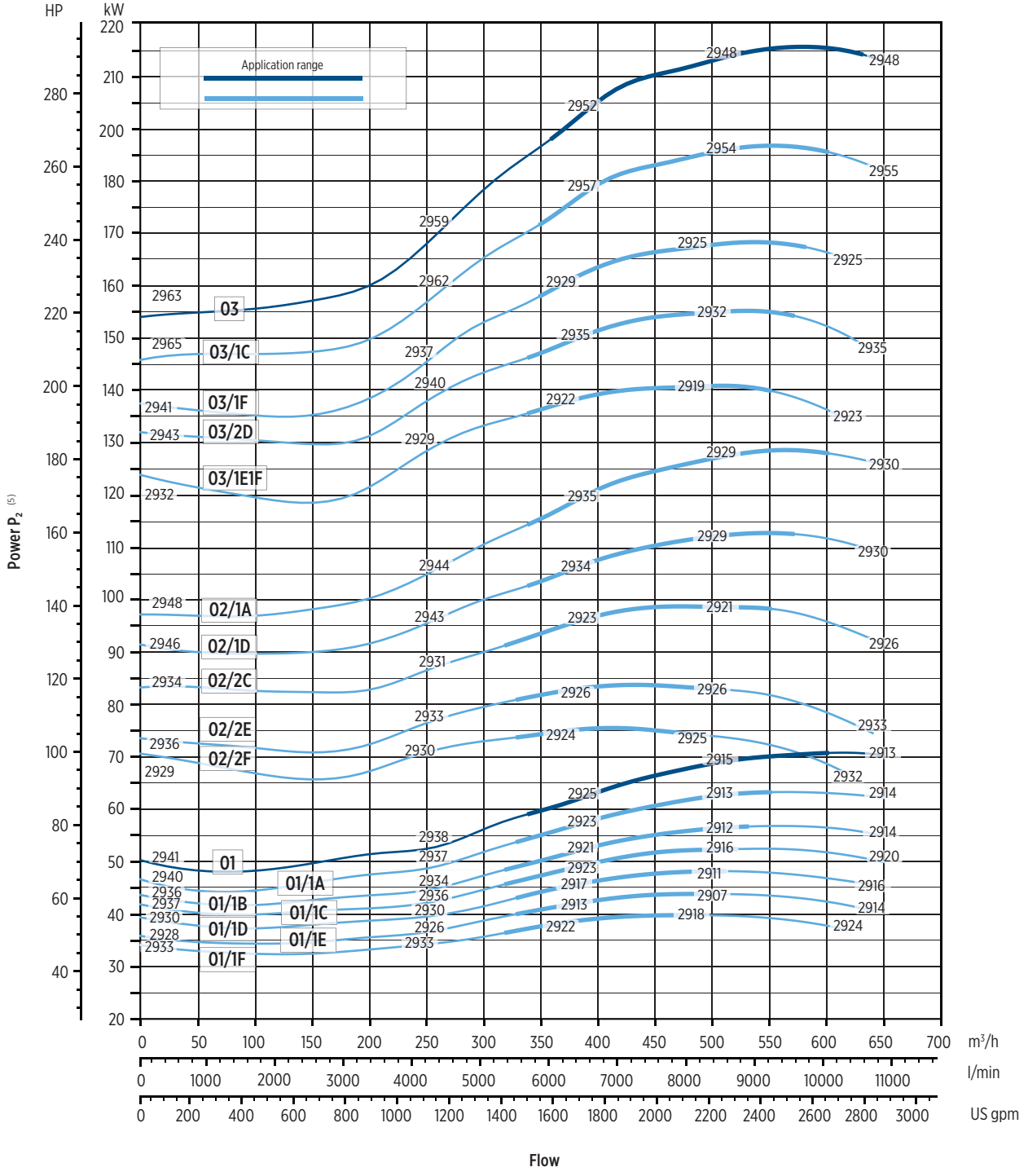
VSI 454 - PERFORMANCE CURVES AT 50 HZ



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

00120297 10/2024

VSI 454 - PERFORMANCE CURVES AT 50 HZ



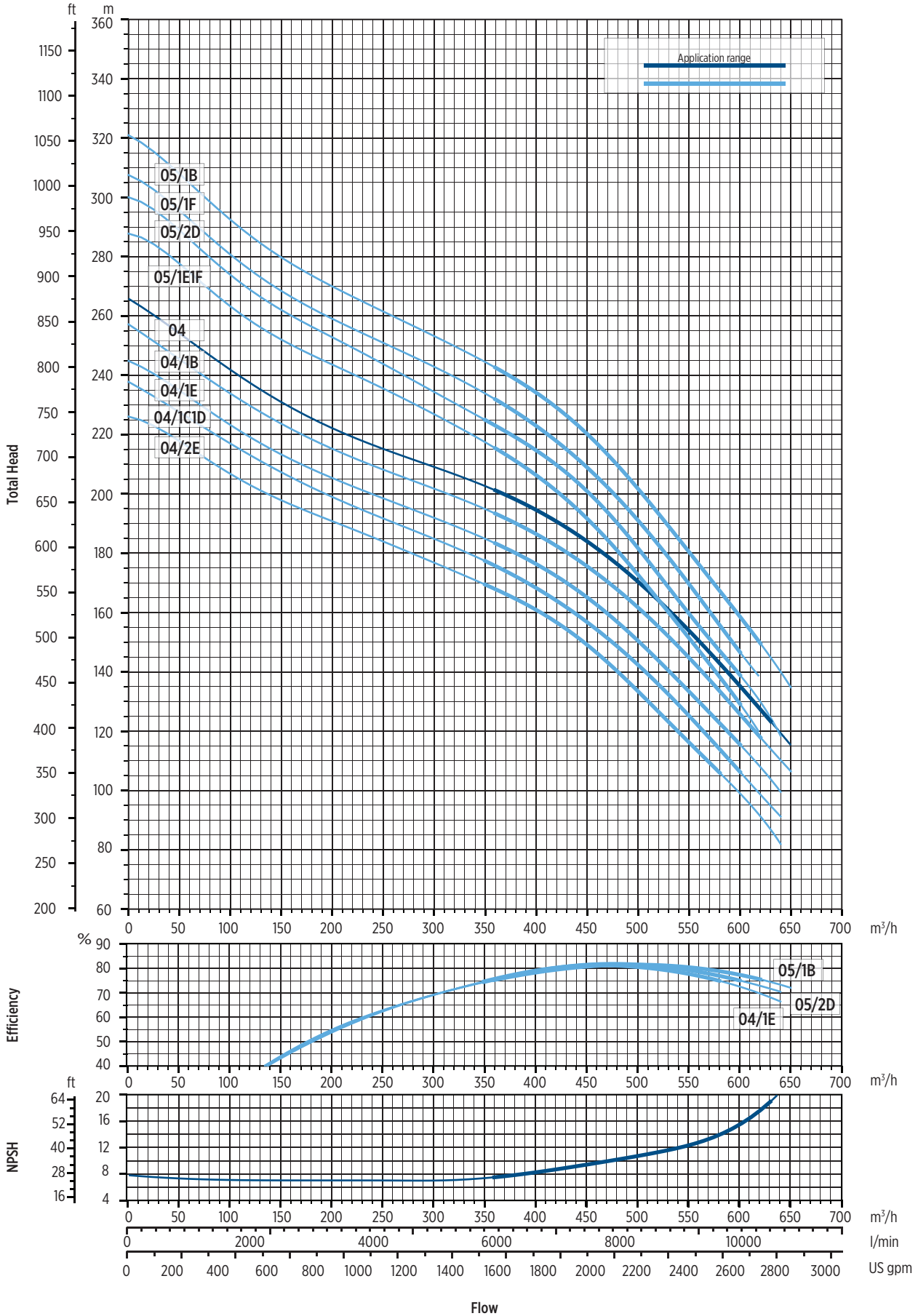
(5) Motor speed referred to rewindable motor

Performance curves of Q, H and P depend on the rpm number according to the following formula:

$$Q_2 = Q_1 \cdot \left(\frac{n_2}{n_1}\right) \quad , \quad H_2 = H_1 \cdot \left(\frac{n_2}{n_1}\right)^2 \quad , \quad P_2 = P_1 \cdot \left(\frac{n_2}{n_1}\right)^3 \quad , \quad \eta \text{ remains approximately the same.}$$

The rpm number related to the performance curves (Q-H-P) is indicated in the power chart.
Performance curves (Q-H-P) will change according to the formulas above.
Q=Flow, H=Head, P=Power, η=Efficiency

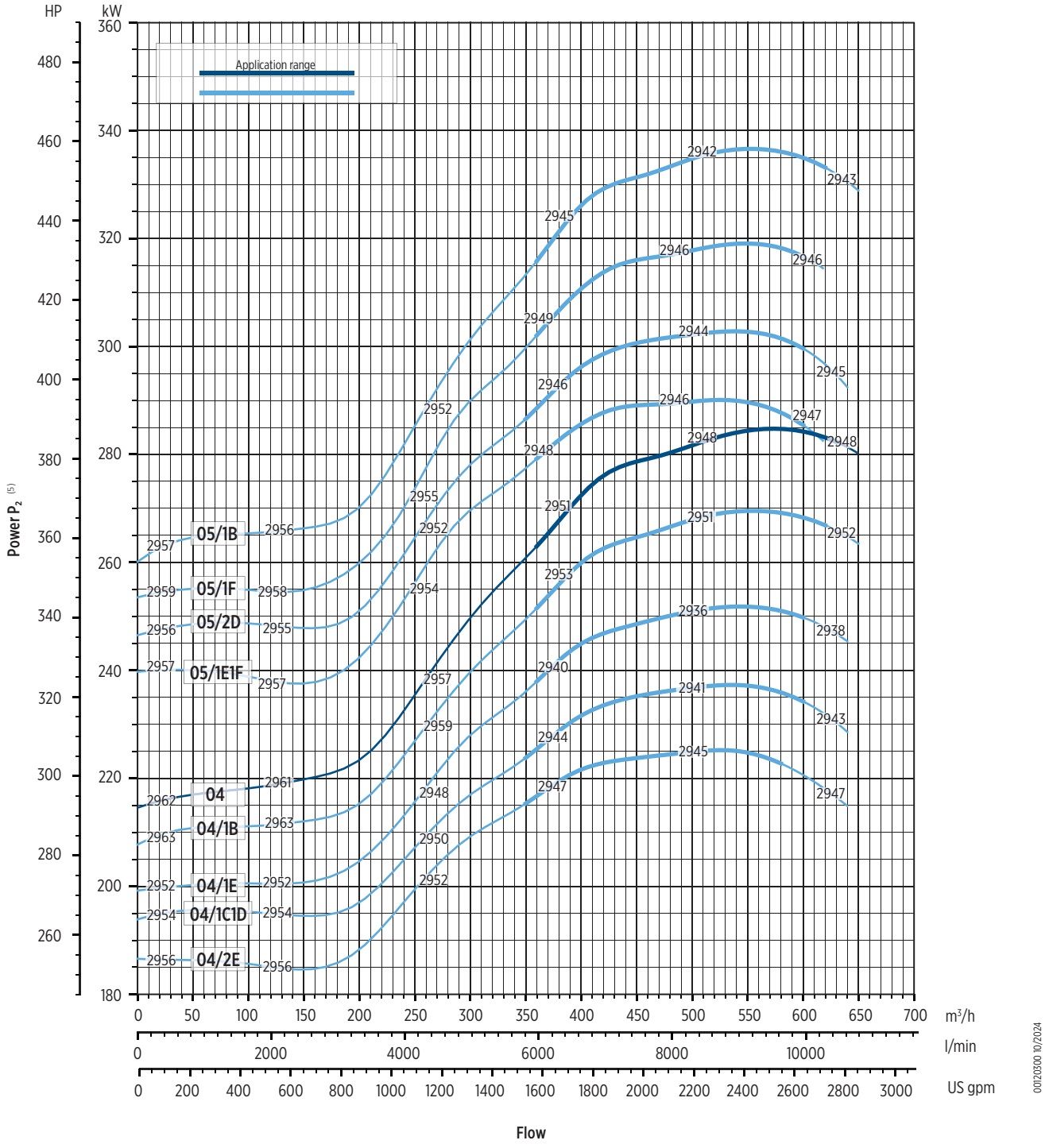
VSI 454 – PERFORMANCE CURVES AT 50 HZ



The hydraulic characteristics are guaranteed, according to ISO standard 9906:2012, grade 3B

00120300 10/2024

VSI 454 - PERFORMANCE CURVES AT 50 HZ



(5) Motor speed referred to rewindable motor

Performance curves of Q, H and P depend on the rpm number according to the following formula:

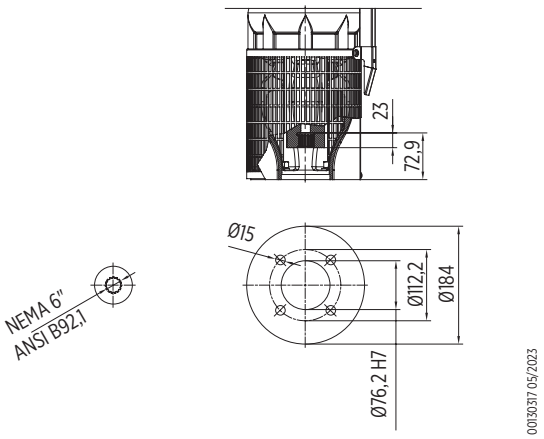
$$Q_2 = Q_1 \cdot \left(\frac{n_2}{n_1}\right) \quad , \quad H_2 = H_1 \cdot \left(\frac{n_2}{n_1}\right)^2 \quad , \quad P_2 = P_1 \cdot \left(\frac{n_2}{n_1}\right)^3 \quad , \quad \eta \text{ remains approximately the same.}$$

The rpm number related to the performance curves (Q-H-P) is indicated in the power chart.
Performance curves (Q-H-P) will change according to the formulas above.
Q=Flow, H=Head, P=Power, η=Efficiency

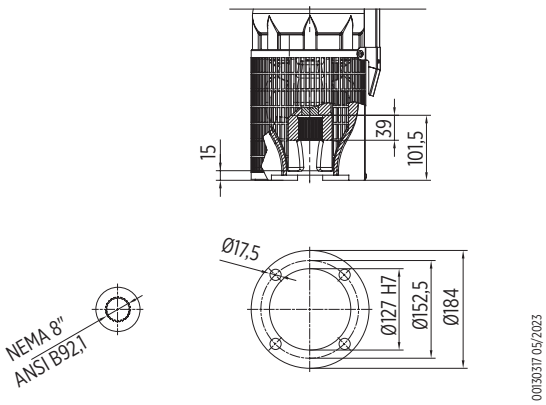
MOTOR BRACKETS

VSI 8"

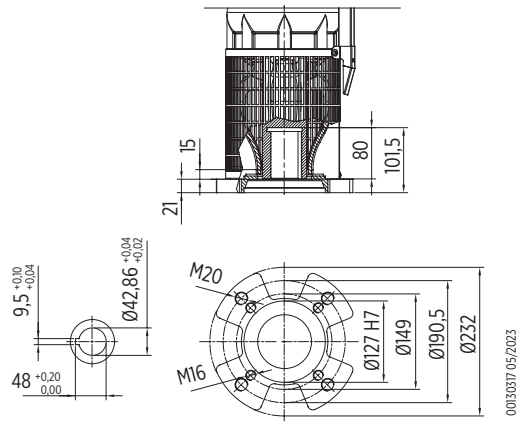
6" MOTOR



8" MOTOR



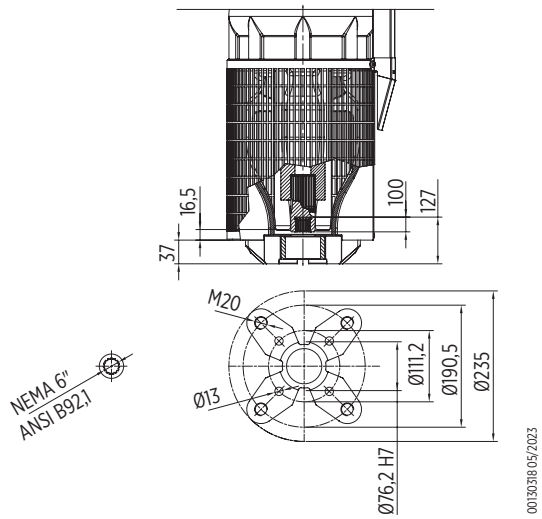
10" MOTOR



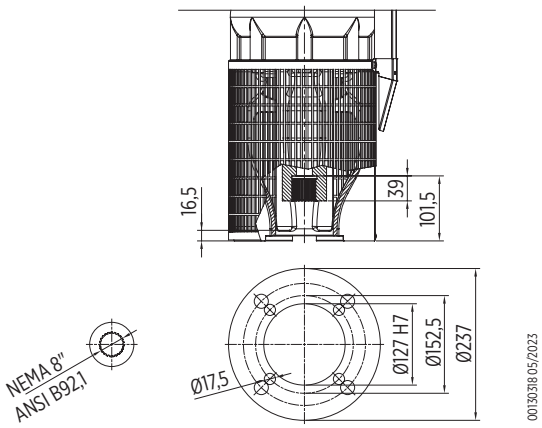
MOTOR BRACKETS

VSI 10"

6" MOTOR (10)

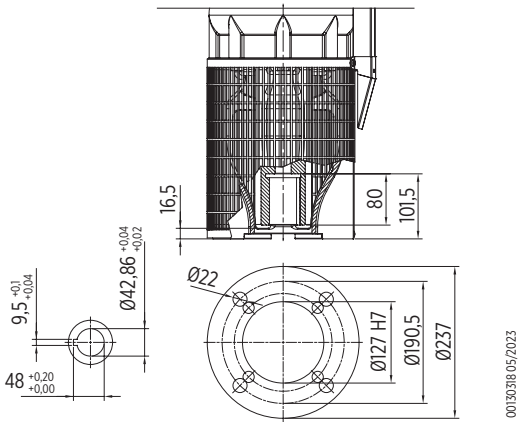


8" MOTOR

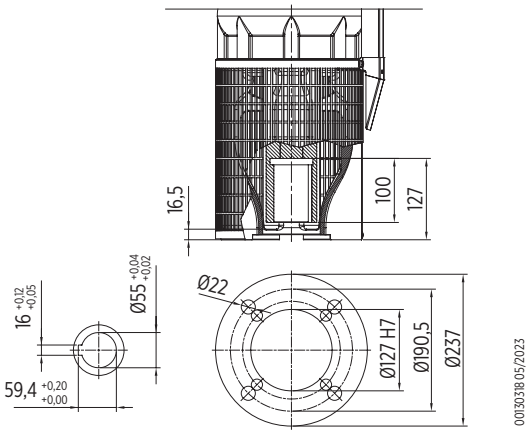


(10) Necessary kit M8xM6 (not included, Ref. n. 20.06, Code 14251020).

10" MOTOR



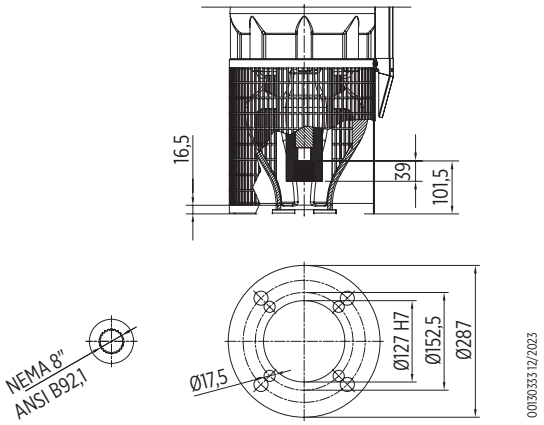
12" MOTOR



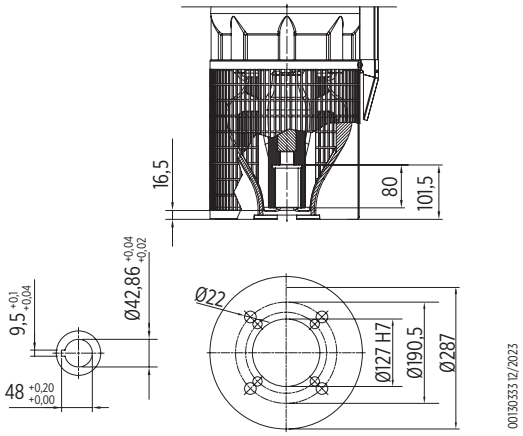
MOTOR BRACKETS

VSI 12"

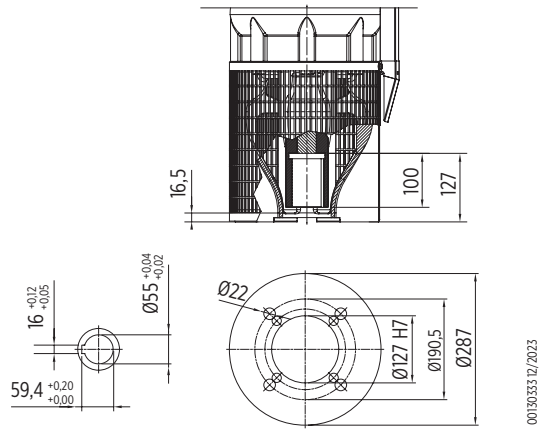
8" MOTOR



10" MOTOR



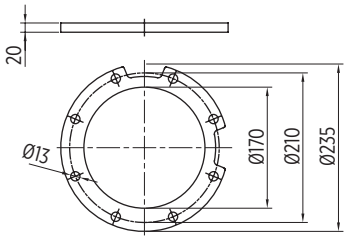
12" MOTOR



COUNTERFLANGES

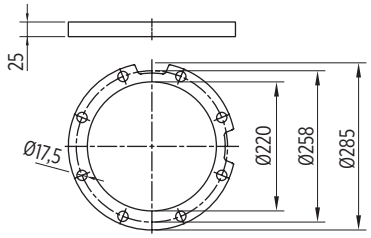
VSI 10"

14256010 – KIT C/F VSI 10" 1.4401/CF8M
14256011 - KIT C/F VSI 10" 1.4460/DUPLEX



00130319 05/2023

VSI 12"

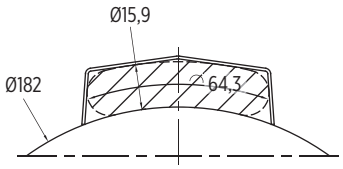


00130334 12/2023

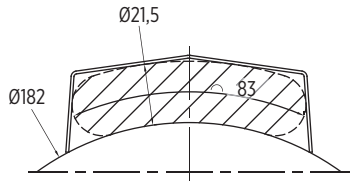
CABLE GUARDS

VSI 8"

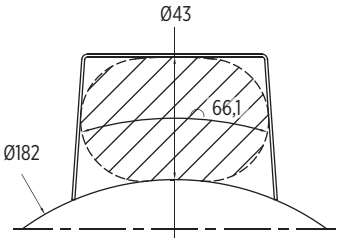
LOW (L)



MEDIUM (M)



HIGH (H)

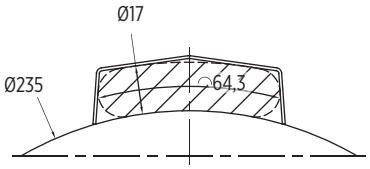


00130318 05/2023

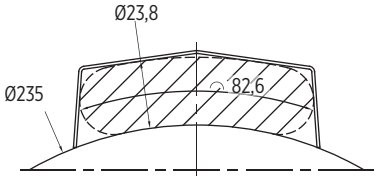
* Dimensions in [mm]

VSI 10"

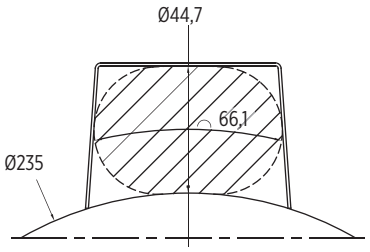
LOW (L)



MEDIUM (M)



HIGH (H)

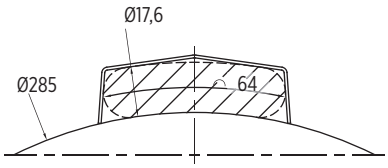


00130318 05/2023

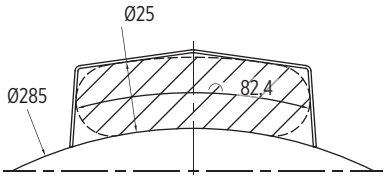
* Dimensions in [mm]

VSI 12"

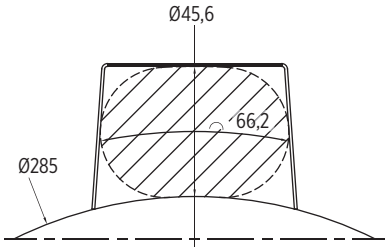
LOW (L)



MEDIUM (M)



HIGH (H)

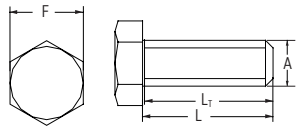
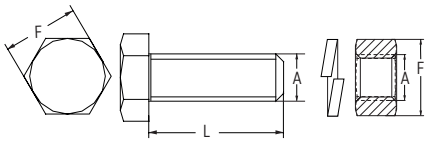
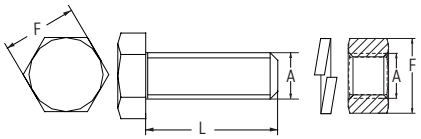


00130318 05/2023

* Dimensions in [mm]

MOTOR/PUMP CONNECTION SCREWS

MOTOR/PUMP CONNECTION SCREWS

	Motor type	Material	L / LT [mm]	Thread type [mm]	F [mm]	Code
	**6" CT**	316SS	38.1	1/2-20UNF	19	308 659 318
	**8" REW**	316SS	70	M16	24	308 659 327
	**10" REW** **12" REW**	316SS	80	M20	30	308 659 319

REVISION CHANGES NOTICE

Rev. No.	Changes	Page
01	VSI74 and VSI104 models added	4, 13, 14, 19-33



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Fax: +39 0444 365247
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10000021651 EN REV.01_11-2025

Single member - Company subject to the control and coordination of Franklin Electric Co., Inc.
Franklin Electric reserves the right to amend specification without prior notice.