



catalogue

Edition 03-09/2025



天保發展國際有限公司
Tin Po Development International Limited

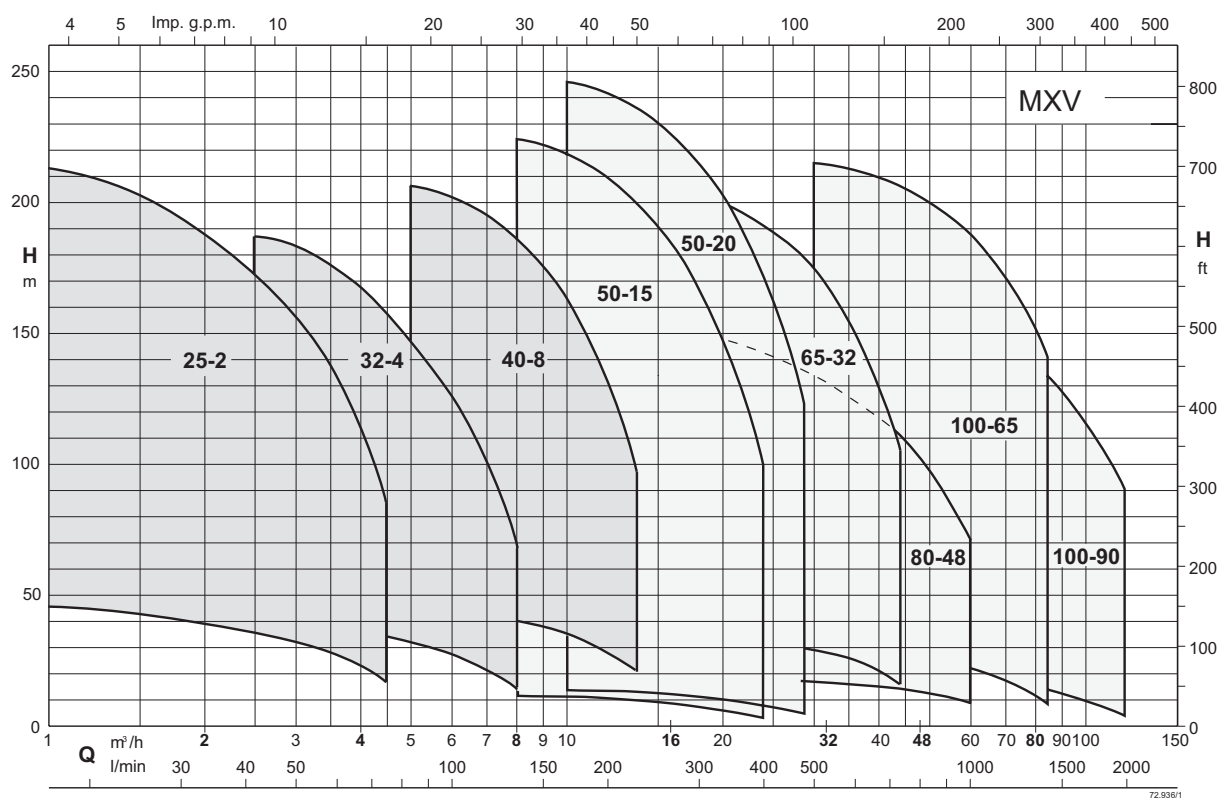
we connect
water
to people



water passion



Coverage chart n ≈ 2900 rpm



Vertical multi-stage in-line pumps
stainless steel



Construction

Vertical multi-stage pumps with suction and delivery connections of the same diameter and arranged along the same axis (in-line).

Corrosion-resistant bearing sleeves lubricated by the pumped liquid.

Removal of the mechanical seal without dismantling the motor (for MXV 25-32-40-50, 100 with motors exceeding 4 kW).

A pump with thrust bearing and sleeve coupling for use of any standard motor with IM V1 construction.

Version with frequency converter (on request).

Applications

For water supply systems.

For clean non-explosive liquids, without solid, filamentary or abrasive matter and non-aggressive for stainless steel (with adaptation of sealing materials on request).

A universal pump for civil and industrial use, for pressure boosting systems, high-pressure washing plants, irrigation, agricultural uses and sport installations.

Operating conditions

Temperature of liquid: from -15 °C to +110 °C.

Ambient temperature up to 40° C.

Maximum permissible pressure in pump casing: 25 bar, (16 bar for pumps with oval flanges).

Continuous duty.

Direction of rotation:

- Clockwise as seen from the motor for MXV, MXVL 25,32,40,50,100
- Anticlockwise as seen from the motor for MXV, MXVL 65,80

Designation

Example MXV L EI 25-305 O H1 *

MXV = Series

L = AISI 316L version (no code = AISI 304 version)

EI = With frequency converter I-MAT

25 = DN ports in mm

3 = Rated capacity in m³/h

05 = Number of stages

O = oval flange ports (only for MXV(L) 25,32,40,50)

H1 = with support feet for horizontal installation H, variant 1

* = with motor (or without motor) * with no further designation = with standard motor

Motor

Standard-type: 2-pole induction motor, 50 Hz (n ≈ 2900 rpm).

Motor suitable for operation with frequency converter.

Classification scheme IE3 for three-phase motors from 0,75 kW.

Construction IM V1.

Insulation class F.

IP protection: IP55

Three-phase with rated voltage: up to 3 kW 230/400 V;
from 4 kW 400/690 V.

The electropumps comply with the European Regulation no. 547/2012.

Variants (to be specified when ordering)

Pump with flanged ports.

Pump with oval flange ports (O) (for MXV 25,32,40,50).

Pump without motor.

Pump with standard motor.

Other variants (on request)

O-rings FPM.

Other mechanical seal.

Pump with motor of Client's choice (if available).

Single-phase motor 230 V, up to 2.2 kW.

Pump with support feet for horizontal installation (H1 or H2).

Other voltages.

Frequency 60 Hz.



MXV(L) 25, 32, 40, 50

MXV: Internal parts in contact with the liquid in chrome-nickel stainless steel AISI 304, with flanges, lantern bracket and base plate in cast iron.

MXVL: Internal parts in contact with the liquid in chrome-nickel stainless steel AISI 316, with flanges, lantern bracket and base plate in cast iron.

Components	Materials MXV	Materials MXVL
Flange (wetted part)	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
External jacket	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Suction casing	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Delivery casing	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Stage casing	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Impeller	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Lower cover	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Upper cover	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Spacer sleeve	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Shaft	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Plug	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Bearing bushing / Bearing in stage body	Corrosion-resistant carbide / Ceramic	Corrosion-resistant carbide / Ceramic
Mechanical seal ISO 3069 - KU	Hard metal/Carbon/EPDM	Hard metal/Carbon/EPDM
Wear ring	PPS	PPS
O-ring	EPDM	EPDM
Oval Counterflanges	Stainless Steel AISI 304 (galvanized steel for MXV 50 O)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Counterflanges (on request)	Stainless Steel AISI 304 (Steel Fe 430B for MXV 50)	Stainless Steel 1.4404 EN 10088 (AISI 316L)

MXV(L) 65, 80, 100

MXV: Internal parts in contact with the liquid in chrome-nickel stainless steel AISI 304 with pump casing and upper cover in cast iron.

MXVL: Internal parts in contact with the liquid with pump casing and upper cover in chrome-nickel-molybdenum stainless steel AISI 316L.

Components	Materials MXV	Materials MXVL
Pump casing	Cast iron GJL 250 EN 1561	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Upper cover	Cast iron GJL 250 EN 1561	Stainless Steel 1.4404 EN 10088 (AISI 316L)
External jacket	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Stage casing	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Impeller	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Spacer sleeve	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Shaft	Stainless Steel 1.4305 EN 10088 (AISI 303), (AISI 431 for MXV 100)	Stainless Steel 1.4404 EN 10088 (AISI 316L), (AISI 329 for MXVL 100)
Plug	Stainless Steel 1.4404 EN 10088 (AISI 316L), (AISI 304 for MXVL 100)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Bearing sleeve	Corrosion-resistant, cemented carbide	Corrosion-resistant, cemented carbide
Bearing in stage casing	Ceramic alumina (Corrosion-resistant, cemented carbide for MXV 100)	Ceramic alumina (Corrosion-resistant, cemented carbide for MXV 100)
Mechanical seal ISO 3069 - KU	Hard metal/Carbon/EPDM	Hard metal/Carbon/EPDM
Wear ring	PTFE	PTFE
O-ring	EPDM	EPDM
Counterflanges (on request)	Steel 1.0044 EN 10025-2 (Fe 430B)	on request

El: Pumps with frequency converter

The MXV El pumps are available with power from 0,75 kW up to 22 kW, the pumps are equipped with I-MAT installed on board.

Which allows to realize a variable-speed system extremely compact and efficient, ideal in applications of water supply and in the distribution of hot and cold water. The pump is equipped with transducers suitable for operation and is already programmed at the factory.

Features

- Energy saving
- Compact design
- Easy to use
- Programmable to suit the system requirements
- Reliability

Construction

- The system consists of:
- Pump
- Induction motor
- I-MAT Frequency converter
- Motor adapter for the motor mounting of the frequency converter
- Connection cable between frequency converter and induction motor
- Transducers

Main features

Rated motor power output from 0,75 kW to 22 kW

Control range from 1750 to 2900 rpm (2-pole)

Protection against dry running

Protection against operations with closed valve ports

Protection against system leakages

Protection against overcurrent in the motor

Protection against overvoltage and undervoltage of the power supply

Protection against current unbalances between phases



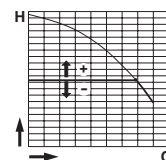
Operating modes



Constant pressure mode

with pressure transducer

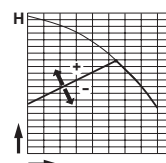
In this mode, the system maintains the preset pressure when the flow required by the installation changes.



Proportional pressure mode

with pressure transducer

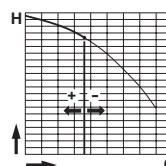
In this mode the system changes the working pressure according to the required flow rate.



Constant flow mode

with flow meter

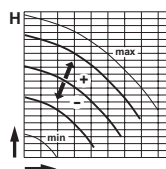
In this mode the system maintains a constant flow rate value in a point of the installation according to the required pressure.



Fixed speed mode

with setting of the speed preferential rotation.

In this mode, by changing the working frequency, you may choose any operational curve included within the working range.



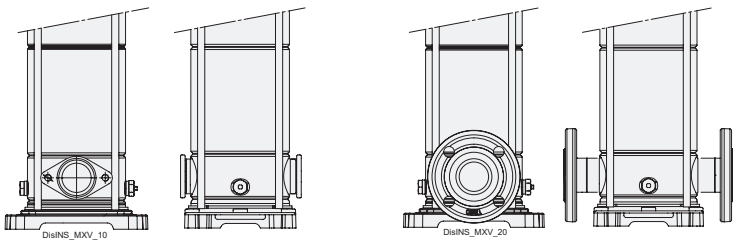
Constant temperature mode

with temperature transducer

In this mode the system keeps the temperature constant inside a system by changing the speed of the pump.



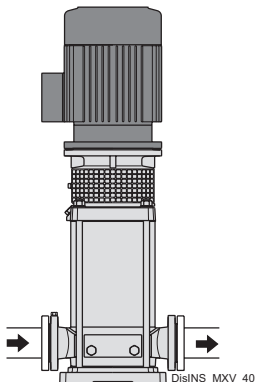
Variants



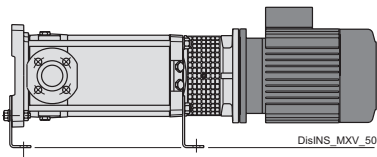
Oval flange
only for MXV 25,32,40,50.

Counterflanges

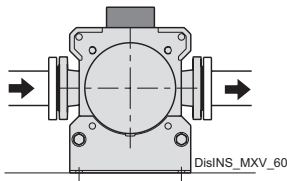
Installation



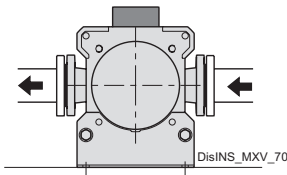
Vertical installation (Standard).



Horizontal installation.



Variant H1: suction on the left, delivery on the right.



Variant H2: suction on the right, delivery on the left.

Variable parts

Pump size MXV			Number of stages	Stage casings with bearing
25 - 304	32 - 504	40 - 904	4	1
25 - 305	32 - 505	40 - 905	5	1
25 - 306	32 - 506	40 - 906	6	1
25 - 307	32 - 507	40 - 907	7	1
25 - 308	32 - 508	40 - 908	8	1
25 - 310	32 - 510	40 - 910	10	1
		40 - 911	11	2
25 - 312	32 - 512		12	2
		40 - 913	13	2
25 - 314	32 - 514		14	2
		40 - 915	15	2
25 - 316	32 - 516		16	2
25 - 318	32 - 518		18	2
		40 - 917	17	3
		40 - 919	19	3
25 - 320			20	3

Pump size MXV				Number of stages	Stage casings with bearing
50 - 1501	50 - 2001		80 - 4801	1	1
50 - 1502	50 - 2002	65 - 3202	80 - 4802	2	1
50 - 1503	50 - 2003	65 - 3203	80 - 4803	3	1
50 - 1504	50 - 2004	65 - 3204	80 - 4804	4	1
50 - 1505	50 - 2005	65 - 3205	80 - 4805	5	1
50 - 1506	50 - 2006	65 - 3206		6	1
50 - 1507	50 - 2007	65 - 3207		7	1
50 - 1508	50 - 2008			8	1
			80 - 4806	6	2
			80 - 4807	7	2
		65 - 3208	80 - 4808	8	2
50 - 1509	50 - 2009	65 - 3209		9	2
50 - 1510	50 - 2010	65 - 3210		10	2
50 - 1511	50 - 2011			11	2
50 - 1512	50 - 2012	65 - 3212		12	2
50 - 1513	50 - 2013			13	2
50 - 1514	50 - 2014			14	3
50 - 1515	50 - 2015			15	3
50 - 1516	50 - 2016			16	3
50 - 1517	50 - 2017			17	3



Coverage chart n ≈ 2900 rpm

Three-phase

				Q = Flow									
				m³/h	0	1	1,5	2	2,5	3	3,5	4	4,5
Model		P2		l/min		16,6	25	33,3	41,6	50	58,3	66,6	75
		kW	HP	H (m) = Total head									
MXVL	MXV 25-304	0,75	1		44	42,5	40	37,5	34,5	31	27	22,5	17
MXVL	MXV 25-305	0,75	1		56	53	50	47	43	39	34	28	21
MXVL	MXV 25-306	1,1	1,5		68	63,5	60,5	56	51,5	46,5	40,5	34	25
MXVL	MXV 25-307	1,1	1,5		79,5	74	70,5	65,5	60	54,5	47,5	39,5	30
MXVL	MXV 25-308	1,5	2		91	85	80,5	75	69	62	54	45,5	34
MXVL	MXV 25-310	1,5	2		114	106	101	94	86	78	68	57	42
MXVL	MXV 25-312	2,2	3		136	127	121	112	103	93,5	81,5	68	51
MXVL	MXV 25-314	2,2	3		159	149	141	131	121	109	95	79,5	59
MXVL	MXV 25-316	3	4		182	170	161	150	138	124	108	91	68
MXVL	MXV 25-318	3	4		205	191	181	169	155	140	122	102	76
MXVL	MXV 25-320	3	4		228	213	202	188	173	156	136	114	85

Three-phase

				Q = Flow										
				m³/h	0	2,5	3	3,5	4	4,5	5	6	7	8
Model		P2		l/min		41,6	50	58,3	66,6	75	83,3	100	117	133
		kW	HP	H (m) = Total head										
MXVL	MXV 32-504	1,1	1,5		45	41,5	40	38,5	36,5	34,5	32,5	27,5	22	14,5
MXVL	MXV 32-505	1,1	1,5		56	51,5	50	48	46	43,5	41	34,5	27,5	18,5
MXVL	MXV 32-506	1,5	2		68	62	60	58	55,5	52,5	49,5	42	33,5	22,5
MXVL	MXV 32-507	1,5	2		79,5	72,5	70,5	68	65	61,5	58	49	39	26,5
MXVL	MXV 32-508	2,2	3		91	83	80,5	78	74	70	66	56	44,5	30
MXVL	MXV 32-510	2,2	3		114	104	101	97,5	93	88	83	70	56	38
MXVL	MXV 32-512	3	4		136	124	121	117	111	105	99,5	84	67	45,5
MXVL	MXV 32-514	3	4		159	145	141	136	130	123	116	98	78	53
MXVL	MXV 32-516	4	5,5		182	166	161	156	148	140	132	112	89,5	60,5
MXVL	MXV 32-518	4	5,5		205	187	181	175	167	158	149	126	100	68

Three-phase

				Q = Flow										
				m³/h	0	5	6	7	8	9	10	11	12	13
Model		P2		l/min		83,3	100	117	133	150	167	183	200	217
		kW	HP	H (m) = Total head										
MXVL	MXV 40-904	1,5	2		47	43	42	41	40	37	34	30	26	21
MXVL	MXV 40-905	2,2	3		59	54	53	51	50	47	43	38	32	26
MXVL	MXV 40-906	2,2	3		71	65	63	62	59	56	51	45	39	31
MXVL	MXV 40-907	3	4		83	76	74	72	69	66	60	53	45	36
MXVL	MXV 40-908	3	4		95	87	85	82	79	75	69	60	51	42
MXVL	MXV 40-910	4	5,5		119	109	106	103	99	94	86	75	64	52
MXVL	MXV 40-911	4	5,5		131	119	116	113	109	103	94	83	71	57
MXVL	MXV 40-913	5,5	7,5		155	141	138	134	129	122	111	98	84	68
MXVL	MXV 40-915	5,5	7,5		179	163	159	154	149	141	128	113	96	78
MXVL	MXV 40-917	7,5	10		202	184	180	175	168	159	145	128	109	89
MXVL	MXV 40-919	7,5	10		226	206	201	195	188	178	162	143	122	99



Coverage chart n ≈ 2900 rpm

Data also valid for MXVL (1.4401 EN 10088 (AISI 316))

Three-phase

				Q = Flow												
				m³/h	0	8	10	12	14	16	18	20	22	24	26	28
				l/min		133	167	200	233	267	300	333	367	400	433	466
Model		P2		H (m) = Total head												
		kW	HP													
MXVL	MXV 50-1501	1,1	1,5		14	12	11,6	11	10,3	9,5	8,4	7	5,5	3,6	-	-
MXVL	MXV 50-1502	1,5	2		27,9	24,6	23,8	22,7	21,4	19,8	17,8	15,4	12,7	9,5	-	-
MXVL	MXV 50-1503/A	2,2	3		43,6	38,6	37,3	35,8	33,9	31,5	28,6	25,1	21	16,3	-	-
MXVL	MXV 50-1504	3	4		58	52	50,5	48,5	46	43	39,5	35	30	24	-	-
MXVL	MXV 50-1505	4	5,5		72,5	65	63	60,5	57,5	54	49,5	44	37,5	30	-	-
MXVL	MXV 50-1506	5,5	7,5		85	78	75,5	72	68	63	57,5	50,5	42,5	33,5	-	-
MXVL	MXV 50-1507	5,5	7,5		99	91,5	88	84	79,5	73,5	67	59	49,5	39	-	-
MXVL	MXV 50-1508/A	5,5	7,5		115	105	101	97	92	86	78	69	58	45	-	-
MXVL	MXV 50-1509	7,5	10		129	118	114	110	104	97	88	77	65	51	-	-
MXVL	MXV 50-1510	7,5	10		141	130	126	121	114	105	95	83	69	54	-	-
MXVL	MXV 50-1511	9,2	12,5		155	143	138	133	125	116	105	91	76	59	-	-
MXVL	MXV 50-1512	9,2	12,5		173	159	155	149	141	132	121	107	91	72	-	-
MXVL	MXV 50-1513	11	15		188	173	167	161	153	143	131	116	98	78	-	-
MXVL	MXV 50-1514	11	15		202	186	180	173	165	154	141	125	106	84	-	-
MXVL	MXV 50-1515	11	15		217	199	193	186	177	165	151	134	113	90	-	-
MXVL	MXV 50-1516	15	20		230	211	204	196	186	174	159	140	119	94	-	-
MXVL	MXV 50-1517	15	20		245	224	217	209	198	185	169	149	126	100	-	-
MXVL	MXV 50-2001	1,1	1,5		15,5	-	13	12,6	12,1	11,5	10,7	9,8	8,7	7,3	5,8	4
MXVL	MXV 50-2002	2,2	3		30,7	-	27	26,3	25,5	24,5	23,3	21,7	19,8	17,5	14,7	11,7
MXVL	MXV 50-2003	3	4		46,5	-	41,4	40,4	39,1	37,5	35,4	32,9	30	26,5	22,5	18
MXVL	MXV 50-2004	4	5,5		62,5	-	56	54,5	53	51	48,5	45,5	42	37,5	32	26
MXVL	MXV 50-2005	5,5	7,5		78	-	70	68	66	64	61	57	52,5	46,5	40	32,5
MXVL	MXV 50-2006	7,5	10		92	-	84	82	79,5	76,5	73	68,5	62,5	55,5	47	37,5
MXVL	MXV 50-2007	7,5	10		107	-	98	95,5	93	89,5	85	80	73	64,5	55	44
MXVL	MXV 50-2008	9,2	12,5		122	-	112	109	106	102	97	91	83	74	63	50
MXVL	MXV 50-2009	9,2	12,5		142	-	130	127	124	120	114	108	100	89	77	63
MXVL	MXV 50-2010	11	15		158	-	144	141	137	133	127	120	111	99	86	71
MXVL	MXV 50-2011	11	15		173	-	159	155	151	146	140	132	122	109	94	78
MXVL	MXV 50-2012	15	20		188	-	172	168	164	158	151	143	132	118	103	84
MXVL	MXV 50-2013	15	20		204	-	186	182	177	171	164	154	143	128	111	91
MXVL	MXV 50-2014	15	20		219	-	201	196	191	185	177	166	154	138	120	99
MXVL	MXV 50-2015	15	20		235	-	215	210	205	198	189	178	165	148	128	106
MXVL	MXV 50-2016	18,5	25		251	-	232	227	221	214	205	193	179	161	140	116
MXVL	MXV 50-2017	18,5	25		267	-	246	241	235	227	217	205	190	172	149	124

Three-phase

				Q = Flow										
				m³/h	0	15	21	24	27	30	33	36	39	44
Model	P2		l/min	250		350	400	450	500	550	600	650	733	
		kW	HP	H (m) = Total head										
MXVL	MXV 65-3202/D	4	5,5		37	34	32	31	30	29	27	24,5	22	17
MXVL	MXV 65-3203/C	5,5	7,5		55,5	51	49	47,5	46	43,5	40,5	37	33,5	25,5
MXVL	MXV 65-3204/C	7,5	10		75	69	65,5	63,5	61	58,5	54,5	50	45	35
MXVL	MXV 65-3205/D	11	15		93,5	86	82	79,5	77	73	68	62,5	56,5	44
MXVL	MXV 65-3206/D	11	15		112	103	98,5	95,5	92	87	82	75	67,5	52,5
MXVL	MXV 65-3207/D	15	20		131	121	115	111	107	102	95,5	87,5	79	61,5
MXVL	MXV 65-3208/D	15	20		150	138	131	127	123	116	109	100	90	70
MXVL	MXV 65-3209/E	18,5	25		168	155	148	143	138	130	122	112	101	79
MXVL	MXV 65-3210/E	18,5	25		187	172	164	159	154	145	136	125	112	87,5
MXVL	MXV 65-3212/D	22	30		225	207	197	191	185	174	163	150	135	105



Coverage chart n ≈ 2900 rpm

Data also valid for MXVL (1.4401 EN 10088 (AISI 316))

Three-phase

				Q = Flow										
				m³/h	0	21	27	33	39	45	48	51	54	60
Model		P2		l/min		350	450	550	650	750	800	850	900	1000
		kW	HP	H (m) = Total head										
MXVL	MXV 80-4801/D	4	5,5		20	18	17	16	15	13	12	10,7	9,5	7
MXVL	MXV 80-4802/C	5,5	7,5		40,5	36	34,5	32,5	29,5	26,5	24,5	22	20	15,5
MXVL	MXV 80-4803/C	7,5	10		61	54	51	48	44	40	37	34	31	24,5
MXVL	MXV 80-4804/D	11	15		81	72	69	65	60	55	51,5	48	44	35
MXVL	MXV 80-4805/D	15	20		101	90	86	81	75	68,5	64,5	60	55	44
MXVL	MXV 80-4806/D	15	20		121	108	103	97	90	82	77,5	72	66	53
MXVL	MXV 80-4807/E	18,5	25		142	126	120	113	105	96	90	84	77	61,5
MXVL	MXV 80-4808/D	22	30		162	144	137	129	120	109	103	96	88	70,5

Three-phase

				Q = Flow									
				m³/h	0	30	40	45	50	60	70	80	88
						l/min	500	667	750	833	1000	1167	1333
Model		P2		H (m) = Total head									
		kW	HP										
MXVL	MXV 100-6501/A	5,5	7,5		30,2	24,8	23	22,3	21,7	20,3	18,3	15,4	12,2
MXVL	MXV 100-6502-2R/A	7,5	10		38,9	37,2	35,8	34,8	33,8	30,5	25,8	20,3	14,6
MXVL	MXV 100-6502/A	11	15		59,3	51,2	48	46,8	45,5	43,2	39,9	35,3	30,8
MXVL	MXV 100-6503-2R/A	15	20		67,3	63	60,6	59,1	57,6	53,4	47,2	39,5	31,4
MXVL	MXV 100-6503/B	18,5	25		89,6	77,6	72,8	70,9	69	65,7	60,7	53,9	47,2
MXVL	MXV 100-6504-2R/B	18,5	25		95,5	88,6	85,1	83,2	81,1	76	68,3	58,5	47,9
MXVL	MXV 100-6504/A	22	30		111,8	100,8	96,7	94,5	92,4	88,4	82,3	73,3	62,9
MXVL	MXV 100-6505-2R/A	30	40		125,3	116,2	111,8	109,5	107	101,1	92,1	80,4	68
MXVL	MXV 100-6505/A	30	40		142,4	129,2	124	121,5	119	114,1	106,9	96,3	84,6
MXVL	MXV 100-6506-2R/A	30	40		153,5	141,6	136,2	133,3	130,3	123,4	112,9	99	84,1
MXVL	MXV 100-6506/A	37	50		170,6	154,7	148,5	145,4	142,3	136,5	127,8	115	100,9
MXVL	MXV 100-6507-2R/A	37	50		181,7	167	160,6	157,2	153,6	145,7	133,7	117,7	100,3
MXVL	MXV 100-6507/A	45	60		199,5	181,1	173,8	170,3	166,7	160	149,9	135,1	118,9
MXVL	MXV 100-6508-2R/A	45	60		210,6	193,5	186	182,2	178,1	169,3	156	137,9	118,4
MXVL	MXV 100-6508/A	45	60		227,7	206,5	198,2	194,1	190,1	182,3	170,7	153,8	135,1

Three-phase

				Q = Flow										
				m³/h	0	45	50	60	70	80	88	100	110	115
				l/min		750	833	1000	1167	1333	1466	1667	1833	1916
Model		P2		H (m) = Total head										
		kW	HP											
MXVL	MXV 100-9001-1R/A	5,5	7,5		26,4	20,5	19,9	18,7	17,3	15,5	13,2	9,5	5,7	3,5
MXVL	MXV 100-9001/A	7,5	10		35,6	27	25,6	23,2	21,9	20,4	18,8	15,7	12,4	10,5
MXVL	MXV 100-9002-2R/A	11	15		49,6	42,4	41,3	39	36,6	33,2	29,4	22,7	15,7	11,7
MXVL	MXV 100-9002/A	15	20		69,2	56,6	54,5	50,5	47,3	44,3	41,6	36,3	30,5	27,3
MXVL	MXV 100-9003-2R/B	18,5	25		80,4	70,8	69,1	65,6	62,2	57,7	53	44,3	34,9	30,4
MXVL	MXV 100-9003/A	22	30		92,4	82,6	80,6	76,7	73,2	69,4	65,5	57,8	49,7	45,2
MXVL	MXV 100-9004-2R/A	30	40		113,1	100,6	98,2	93,5	89	83,5	77,5	66,5	54,6	48,5
MXVL	MXV 100-9004/A	30	40		125,6	113	110,4	105,2	100,6	95,7	90,7	80,8	70,2	64,4
MXVL	MXV 100-9005-2R/A	37	50		144,1	128,4	125,4	119,3	113,7	106,9	99,7	86,1	71,6	64,1
MXVL	MXV 100-9005/A	37	50		156,6	140,7	137,4	130,9	125,2	119,1	112,8	100,3	87,1	79,8
MXVL	MXV 100-9006-2R/A	45	60		175,9	157	153,4	146,1	139,3	131,4	122,9	107	89,8	80,8
MXVL	MXV 100-9006/A	45	60		188,4	169,5	165,6	157,8	150,9	143,6	136,2	121,3	105,5	96,7

Test results with clean cold water, without gas content.

A safety margin of + 0.5 m is recommended for the NPSH value.

Tolerances according to UNI EN ISO 9906:2012

Head and power values valid for liquids with density $\rho = 1,0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = \text{max } 20 \text{ mm}^2/\text{sec}$. Total head in m

Pst: Power with reference to one stage.

A*: Calpeda motor currents



Rated current

Single-phase

Model	P2		230V	Weight
	kW	HP	A	kg
M80 V1-0.75M	0,75	1	5,8	12.4
M80 V1-1.1M	1,1	1,5	7,4	13.4
M90 V1-1.5M	1,5	2	9,2	15.3
M90 V1-1.8M	1,8	2,5	11,2	18.4
M90 V1-2.2T	2,2	3	14,5	20

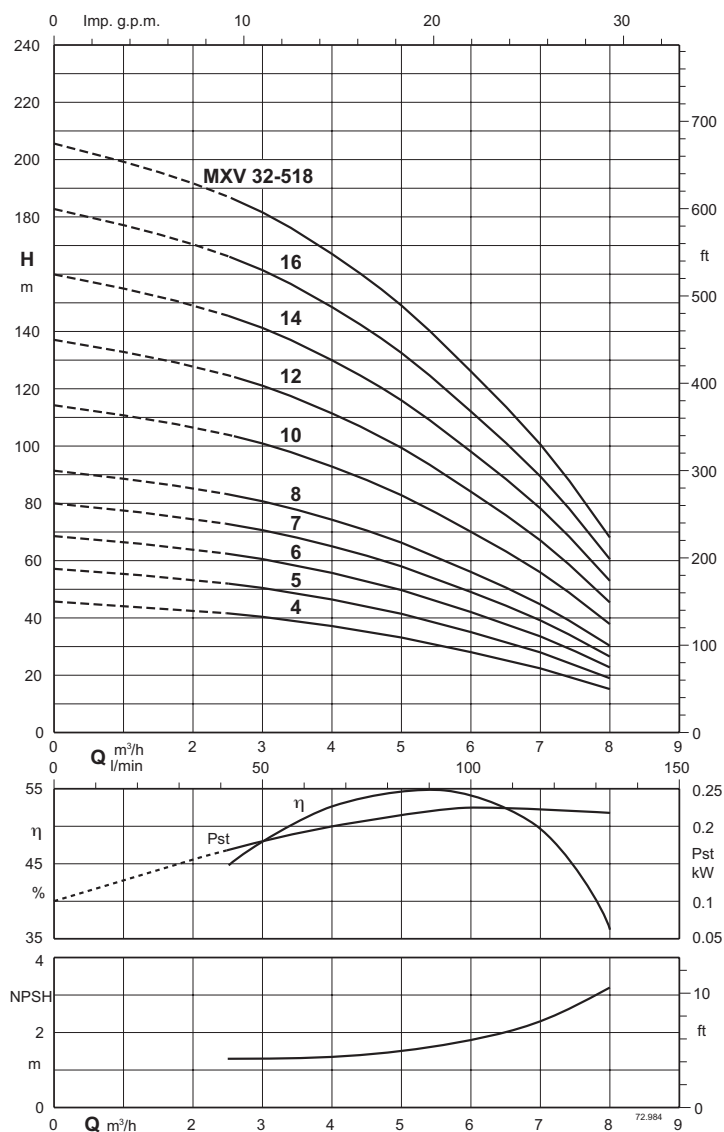
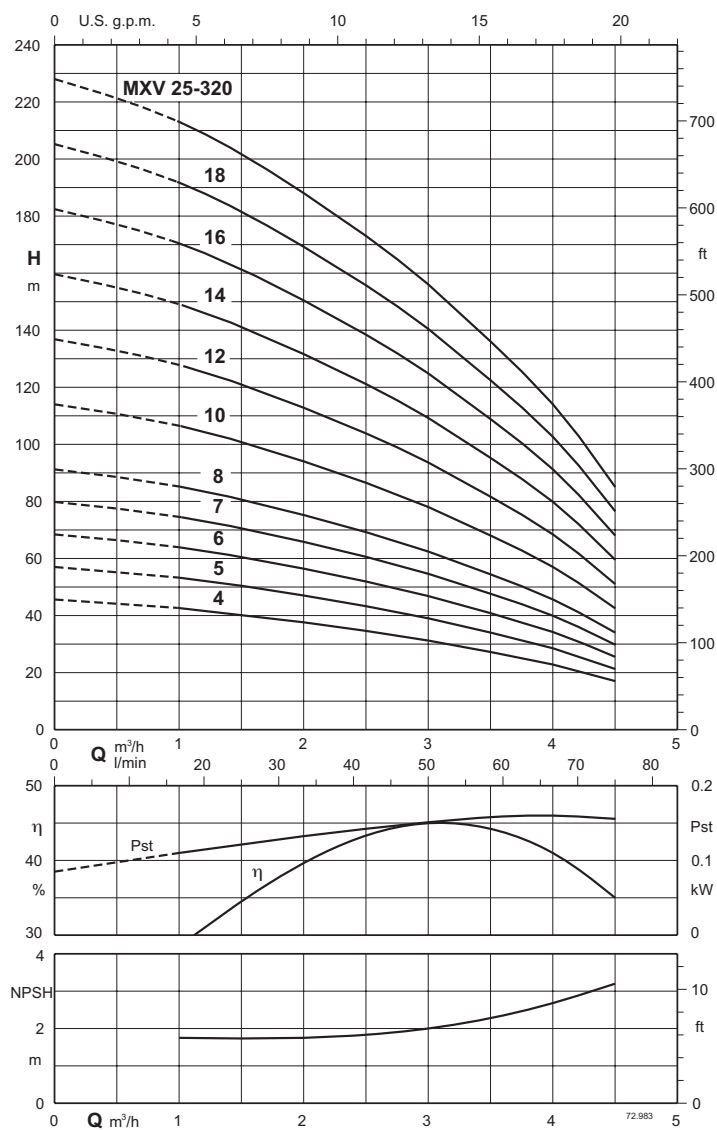
Three-phase

Model	P2		230V	400V	690V	Weight
	kW	HP	A			kg
M80 V1-0.75T	0,75	1	4	2,3	-	11.7
M80 V1-1.1T/A	1,1	1,5	4,6	2,7	-	13.5
M90 V1-1.5T/A	1,5	2	7,5	4,3	-	15
M90 V1-2.2T/A	2,2	3	9,2	5,3	-	18.1
M90 V1-2.2T	2,2	3	9,2	5,3	-	17.3
M100 V1-3T	3	4	11,5	6,6	-	24.7
M112 V1-4T/A	4	5,5	-	9,6	5,5	28.9
M132 V1-5.5T	5,5	7,5	-	10,8	6,2	42.3
M132 V1-7.5T	7,5	10	-	14,3	8,3	47.5
M160 V1-9.2T	9,2	12,5	-	18,5	10,7	71
M160 V1-11T/A	11	15	-	21,5	12,4	78.2
M160 V1-15T/A	15	20	-	27,3	15,8	97.2
M160 V1-18,5T/B	18,5	25	-	34	19,6	121.7
M180 V1-22T/A	22	30	-	41	23,7	128.1

A*: Calpeda motor currents



Characteristic curves $n \approx 2900$ rpm



Test results with clean cold water, without gas content.

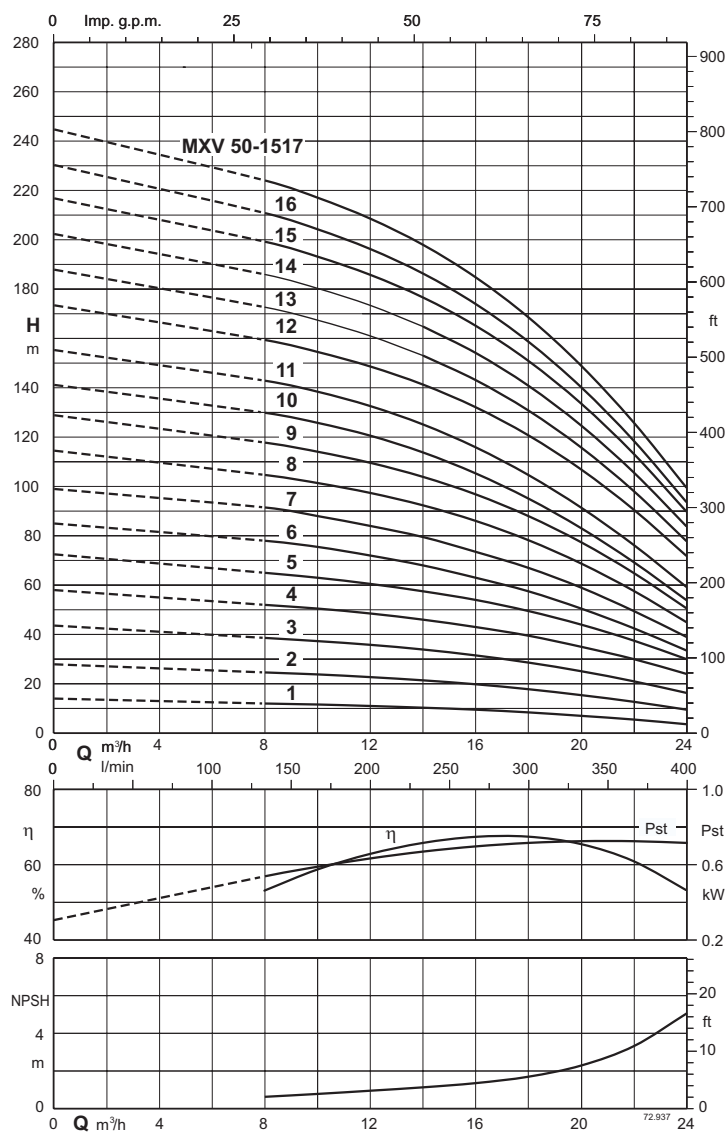
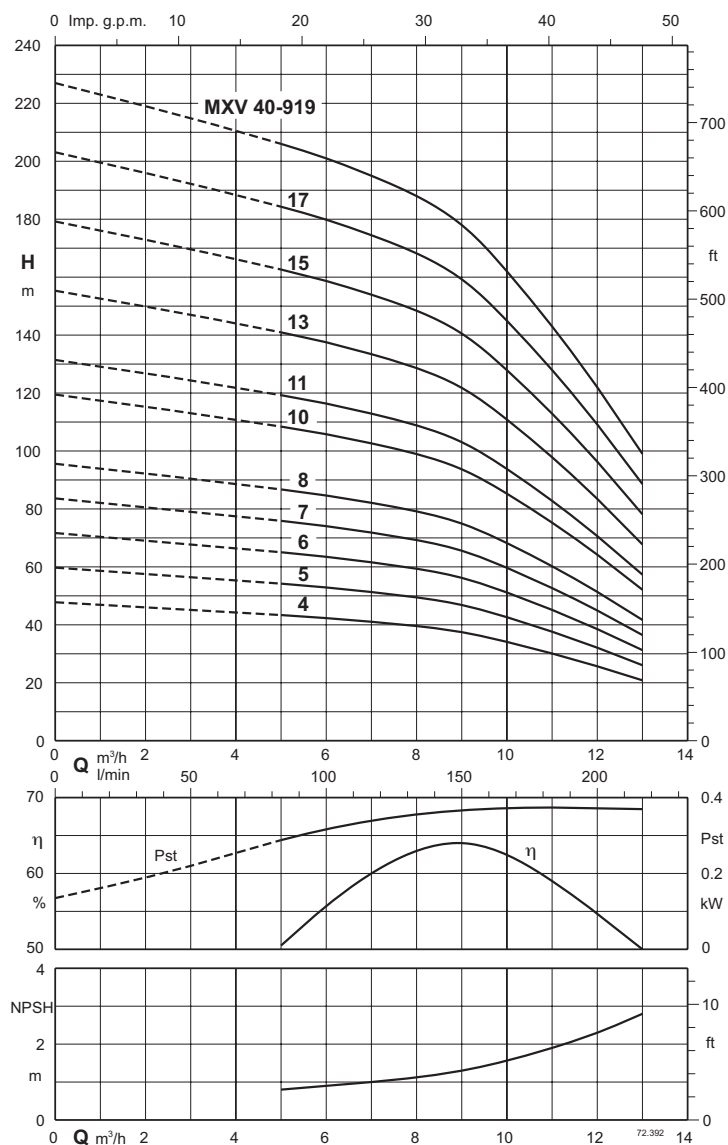
A safety margin of + 0.5 m is recommended for the NPSH value.

Tolerances in accordance with UNI EN ISO 9906:2012

Head and power values valid for liquids with density $\rho = 1,0 \text{ kg}/\text{dm}^3$ and kinematic viscosity $\nu = \text{max } 20 \text{ mm}^2/\text{sec}$.

P_{st} = Power with reference to one stage.

A* Calpeda motor currents


Characteristic curves $n \approx 2900$ rpm


Test results with clean cold water, without gas content.

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Tolerances in accordance with UNI EN ISO 9906:2012

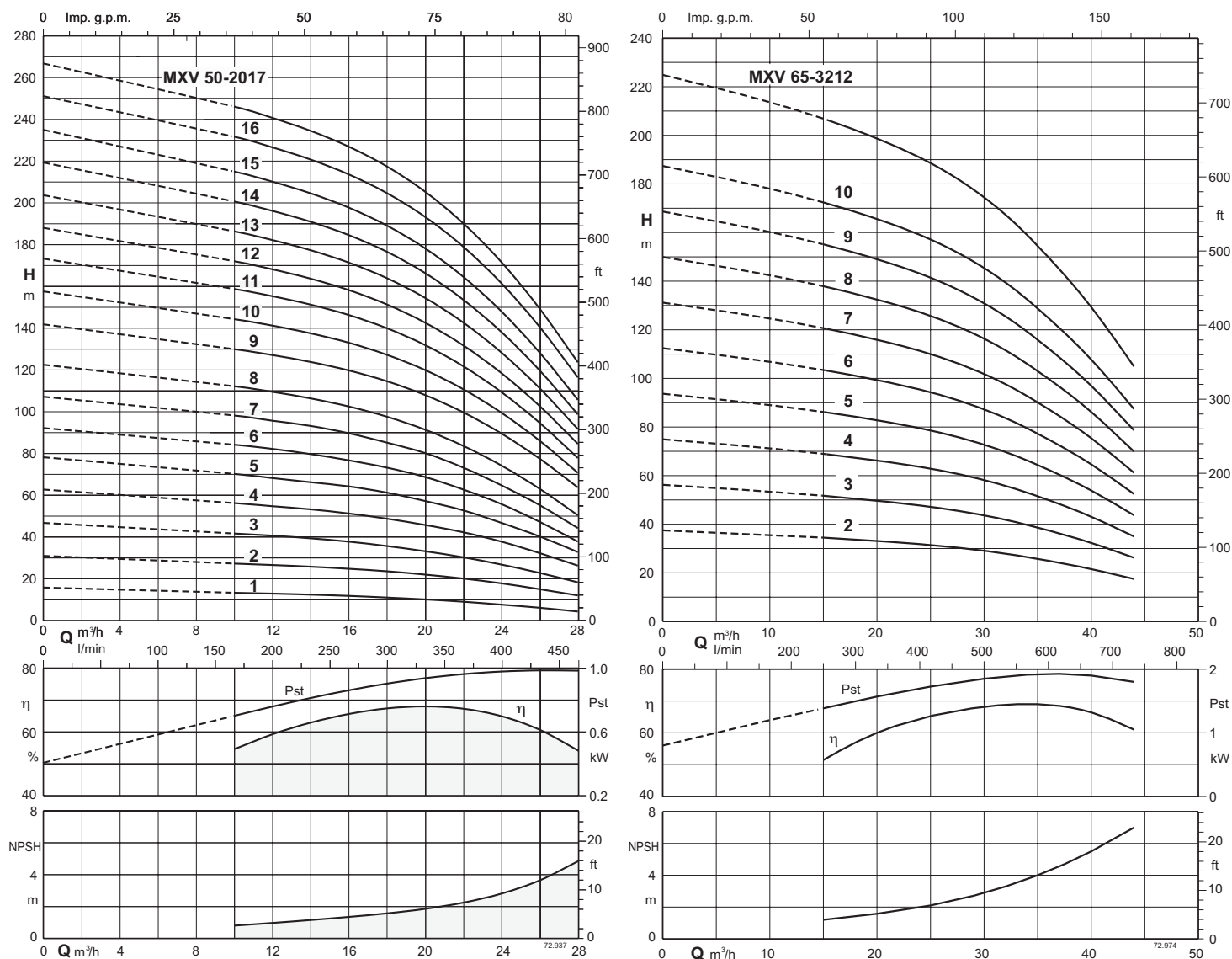
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Characteristic curves $n \approx 2900$ rpm



Test results with clean cold water, without gas content.

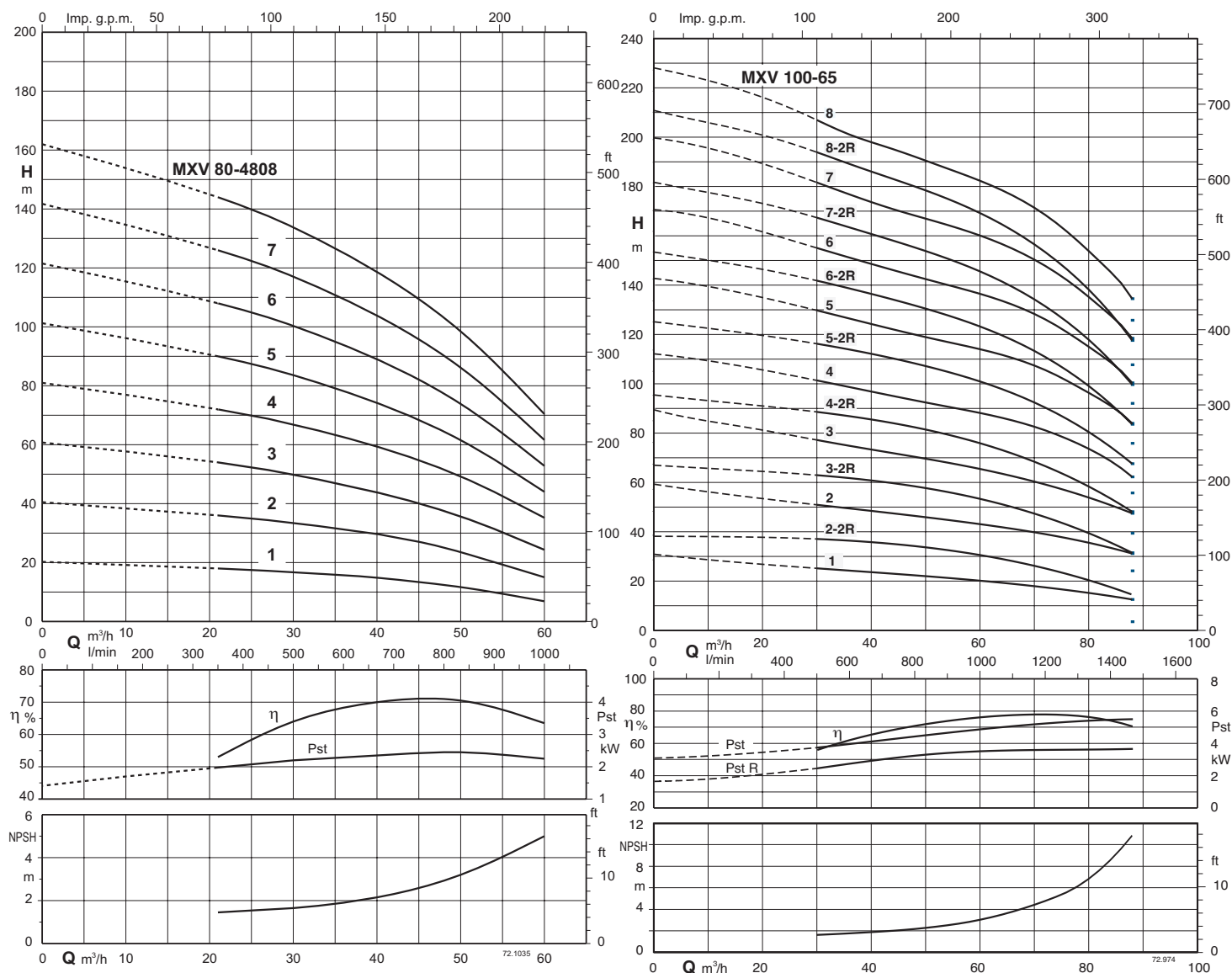
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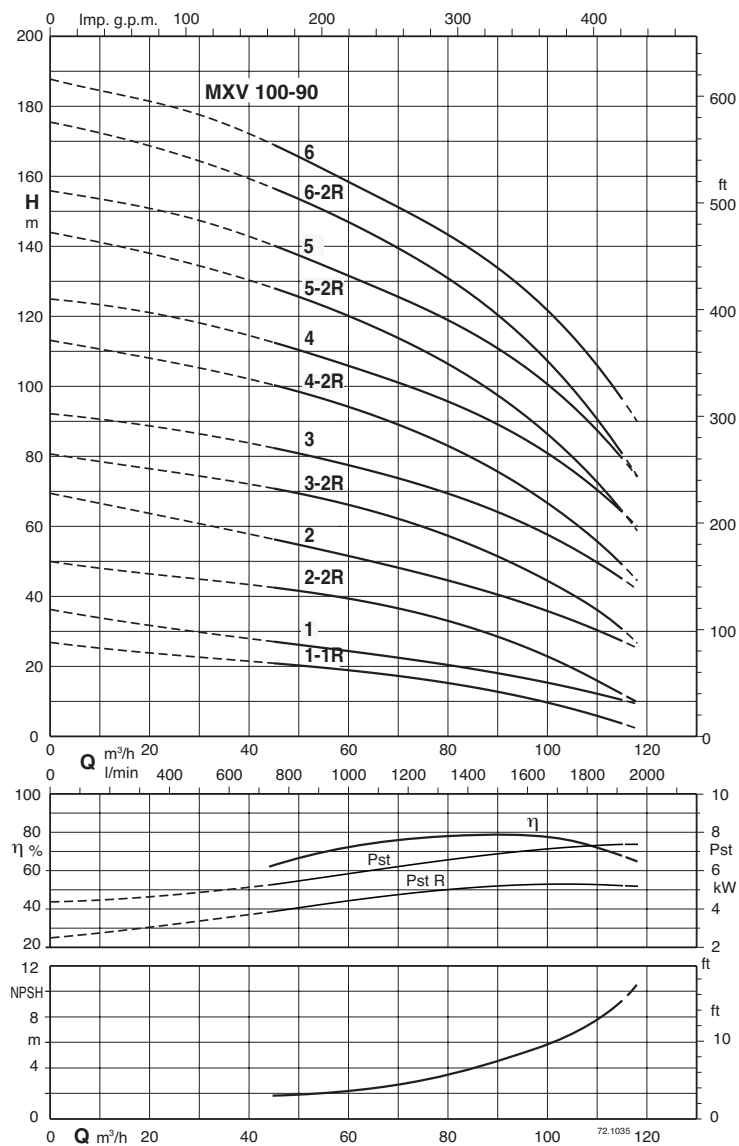
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Characteristic curves $n \approx 2900$ rpm



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P_{st} = Power with reference to one stage.

A* Calpeda motor currents

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