

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS IN AISI 316 STAINLESS STEEL

The VLRI / X are vertical multistage, in-line, centrifugal pumps, directly connected to an electric motor. They are not self-priming.
Entirely in AISI 304 / 316 stainless steel for sea water and special applications.

- **HIGH HYDRAULIC EFFICIENCY**
- **HYDRAULIC END IN AISI 304 (VLRI) OR AISI 316 (VLRX) STAINLESS STEEL**
- **MOTOR DESIGNED TO EN STANDARDS**

Applications

- Water supply
- Pressure Booster Systems
- Irrigation
- High pressure washes
- Firefighting systems
- Boiler supply
- Liquid transfer

Motor

- Asynchronous electric motor with enclosed stator and external ventilation
- Main dimensions are in accordance with DIN and IEC standards
- Design: V18-up to 4,0Kw
V1- to start from 5,5Kw
- Class F insulation
- Level of protection IP 55
- Maximum environmental temperature 40 °C
- Speed of rotation 2900 rpm
- Increased bearings to last longer

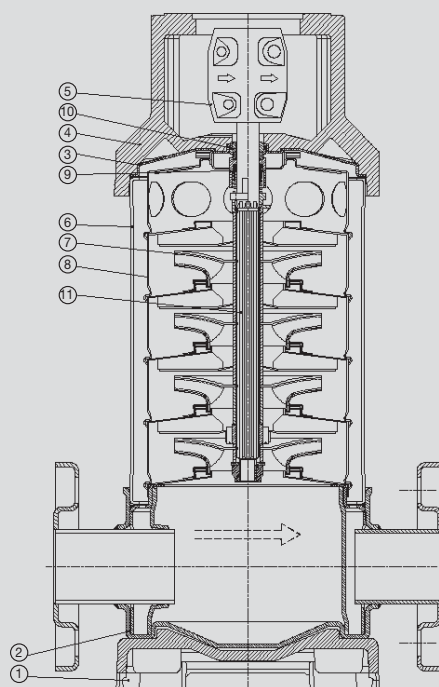
Identification Name

VLRI X 16 40 F T

T = Three phase
M = Single phase
"F" "in line" round flange
"A" "in line" oval flange
"V" with couplings for victaulic joints
Number of stages X 10
Nominal flow in mc³/h
Materials used :
X = AISI 316
I = AISI 304
Model

DESIGN FEATURES

Component	Material	
	VLRI	VLRX
1 Base plate	cast iron EN GJL 200	
2 Pump casing	Stainless steel X5CrNi 18-10 (AISI 304)	Stainless steel X2CrNiMo 17-12-3 (AISI 316)
3 Seal guard	Stainless steel X5CrNi 18-10 (AISI 304)	Stainless steel X2CrNiMo 17-12-3 (AISI 316)
4 Motor bracket	cast iron EN GJL 200	
5 Motor coupling	cast iron EN GJS 400	
6 Sleeve	Stainless steel X5CrNi 18-10 (AISI 304)	Stainless steel X2CrNiMo 17-12-3 (AISI 316)
7 Impeller	Stainless steel X5CrNi 18-10 (AISI 304)	Stainless steel X2CrNiMo 17-12-3 (AISI 316)
8 Diffusers	Stainless steel X5CrNi 18-10 (AISI 304)	Stainless steel X2CrNiMo 17-12-3 (AISI 316)
9 Rotating seal	silicium carbide	
10 Counterface	Graphite	
11 Shaft	Stainless steel X2CrNiMo 17-12-3 (AISI 316)	
12 Gaskets	EPDM	



USAGE LIMITATIONS

	VLRI / X 2B	VLRI / X 4
Liquid temperature	-15° to +120°	-15° to +120°
Maximum operating pressure	25 bar (max temp 40°) 21 bar (max temp 120°)	25 bar (max temp 40°) 21 bar (max temp 120°)
Maximum inlet pressure	VLRI / X 2B/30-2 = 6 bar VLRI / X 2B/30 - VLRI / X 2B/110 10 bar VLRI / X 2B/130 - VLRI / X 2B/260 15 bar	VLRI / X 4/20 - VLRI / X 4/30-2 6 bar VLRI / X 4/30 - VLRI / X 4/100 10 bar VLRI / X 4/120 - VLRI / X 4/260 15 bar
Minimum suction head	Please refer to the NPSH values with a safety margin of 0,5m	

USAGE LIMITATIONS

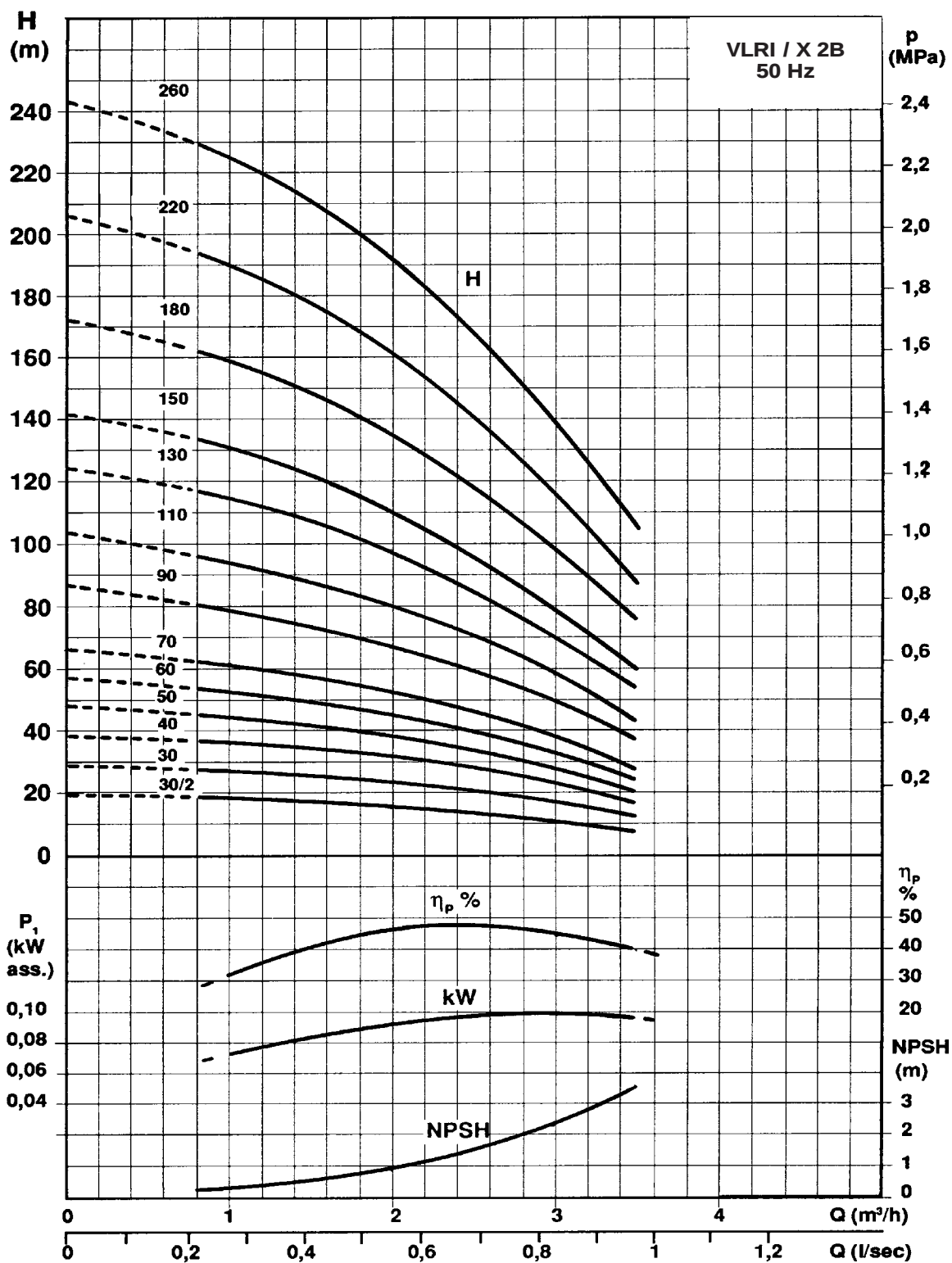
	VLRI / X 8	VLRI / X 16
Liquid temperature	-15° to +120°	-15° to +120°
Maximum operating pressure	25 bar (max temp 40°) 23 bar (max temp 120°)	VLRI / X 16/30-2 - VLRI / X 16/160 25 bar (max temp 85°) VLRI / X 16/30-2 - VLRI / X 16/160 23 bar (max temp 120°)
Maximum inlet pressure	VLRI / X 8/20 - VLRI / X 8/30 6 bar VLRI / X 8/40 - VLRI / X 8/200 10 bar	VLRI / X 16/30-2 - VLRI / X 16/30 6 bar VLRI / X 16/40 - VLRI / X 16/160 10 bar
Minimum suction head	Please refer to the NPSH values with a safety margin of 0,5m	

VERSIONS AVAILABLE

VERSIONS	2B		4		8		16	
	VLRI	VLRX	VLRI	VLRX	VLRI	VLRX	VLRI	VLRX
"F" "in line" ports with ROUND FLANGES (counterflanges on request)	X	X	X	X	X	X	X	X
"A" "in line" ports with OVAL FLANGES equipped with threaded counterflanges	•	•	•	•				
"V" "in line" ports with couplings for VICTAULIC joints		•		•		•		•

X = Standard version
• = available on request

TABLE OF HYDRAULIC PERFORMANCE



- Speed of rotation 2900 rpm
- Performance in accordance with UNI EN ISO 9906 standard
- Head and NPSH valid for water with $\rho = 1,0 \text{ Kg / dm}^3$ at 20°C density
- The power curve (Kw) refers to the shaft power each stage
- $\eta_p \%$ refers to the pump hydraulic performance

PUMP PERFORMANCE

MODEL	CODE VLRI	CODE VLRX	Motor Power		VOLTAGE	Amp.	μF.	Q	L/1' m³/h	10	20	30	40	50
			HP	kW						0,6	1,2	1,8	2,4	3,0
VLRI/X 2B- 30/2 F M VLRI/X 2B- 30/2 F T	E2400010 E2400020	E2730010 E2730020	0,50	0,37	1 ~ 230 V 3 ~ 230÷400 V	2,7 1,0 - 0,6	14	Discharge head in meters		19	18	17	14	11
VLRI/X 2B- 30 F M VLRI/X 2B- 30 F T	E2400030 E2400040	E2730030 E2730040	0,50	0,37	1 ~ 230 V 3 ~ 230÷400 V	2,7 1,4 - 0,8	14			29	27	25	21	17
VLRI/X 2B- 40 F M VLRI/X 2B- 40 F T	E2400050 E2400060	E2730050 E2730060	0,75	0,55	1 ~ 230 V 3 ~ 230÷400 V	4,0 1,8 - 1,0	16			37	35	32	29	23
VLRI/X 2B- 50 F M VLRI/X 2B- 50 F T	E2400070 E2400080	E2730070 E2730080	0,75	0,55	1 ~ 230 V 3 ~ 230÷400 V	4,0 2,3 - 1,3	16			47	43	40	35	28
VLRI/X 2B- 60 F M VLRI/X 2B- 60 F T	E2400090 E2400100	E2730090 E2730100	1,00	0,75	1 ~ 230 V 3 ~ 230÷400 V	5,2 2,7 - 1,5	25			56	51	48	42	33
VLRI/X 2B- 70 F M VLRI/X 2B- 70 F T	E2400110 E2400120	E2730110 E2730120	1,00	0,75	1 ~ 230 V 3 ~ 230÷400 V	5,2 3,0 - 1,7	25			65	50	55	49	39
VLRI/X 2B- 90 F M VLRI/X 2B- 90 F T	E2400130 E2400140	E2730130 E2730140	1,50	1,10	1 ~ 230 V 3 ~ 230÷400 V	8,0 3,6 - 2,1	35			84	78	70	62	50
VLRI/X 2B-110 F M VLRI/X 2B-110 F T	E2400150 E2400160	E2730150 E2730160	1,50	1,10	1 ~ 230 V 3 ~ 230÷400 V	8,0 4,3 - 2,5	35			100	93	84	74	60
VLRI/X 2B-130 F M VLRI/X 2B-130 F T	E2400170 E2400180	E2730170 E2730180	2,00	1,50	1 ~ 230 V 3 ~ 230÷400 V	12,0 5,0 - 2,9	45			120	112	102	89	71
VLRI/X 2B-150 F M VLRI/X 2B-150 F T	E2400190 E2400200	E2730190 E2730200	2,00	1,50	1 ~ 230 V 3 ~ 230÷400 V	12,0 5,7 - 3,3	45			138	129	116	99	81
VLRI/X 2B-180 F T	E2400210	E2730210	3,00	2,20	3 ~ 230÷400 V	7,2 - 4,1				166	155	141	122	99
VLRI/X 2B-220 F T	E2400220	E2730220	3,00	2,20	3 ~ 230÷400 V	8,7 - 5,0				199	185	168	145	118
VLRI/X 2B-260 F T	E2400230	E2730230	4,00	3,00	3 ~ 230÷400 V	11,4 - 6,6				232	220	200	173	141

VERSIONS AVAILABLE :

"F": "in line" ports with round flanges

counterflanges on request

"A" (on request up to VLRI/X 2B-150): "in line" ports with 1" 1/4 gas oval flanges.

1" 1/4 gas oval counterflanges

"V" (on request just on VLRX): with 1" 1/4 couplings for Victaulic joint

TABLE OF SIZES AND WEIGHTS

Model	Dimensions (mm)					Net Weight (kg)
	A	B	L	D	H	
VLRI/X 2B - 30/2 F	250	215	465	158	168	26
VLRI/X 2B - 30 F	250	215	465	158	168	27
VLRI/X 2B - 40 F	268	215	483	158	168	29
VLRI/X 2B - 50 F	286	215	501	158	168	31
VLRI/X 2B - 60 F	308	245	553	170	203	32
VLRI/X 2B - 70 F	326	245	571	170	203	39
VLRI/X 2B - 90 F	362	245	607	170	203	39
VLRI/X 2B - 110 F	388	245	633	170	203	42
VLRI/X 2B - 130 F	453	255	708	180	205	43
VLRI/X 2B - 150 F	489	255	744	180	205	49
VLRI/X 2B - 180 F	568	280	848	180	205	49
VLRI/X 2B - 220 F	640	280	920	180	205	61
VLRI/X 2B - 260 F	716	300	1016	196	235	63

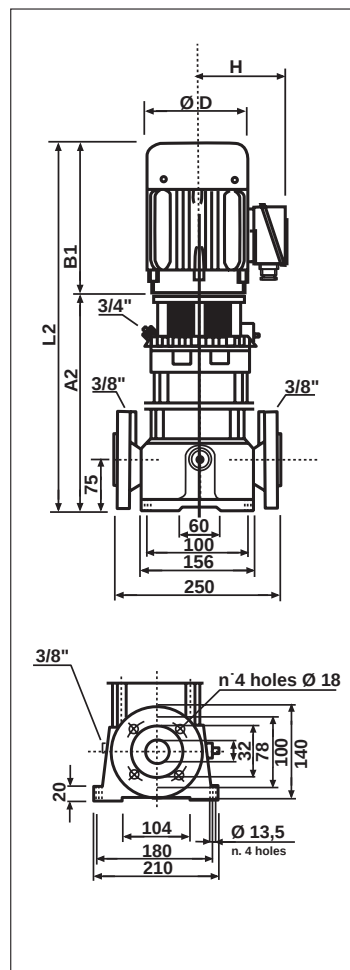
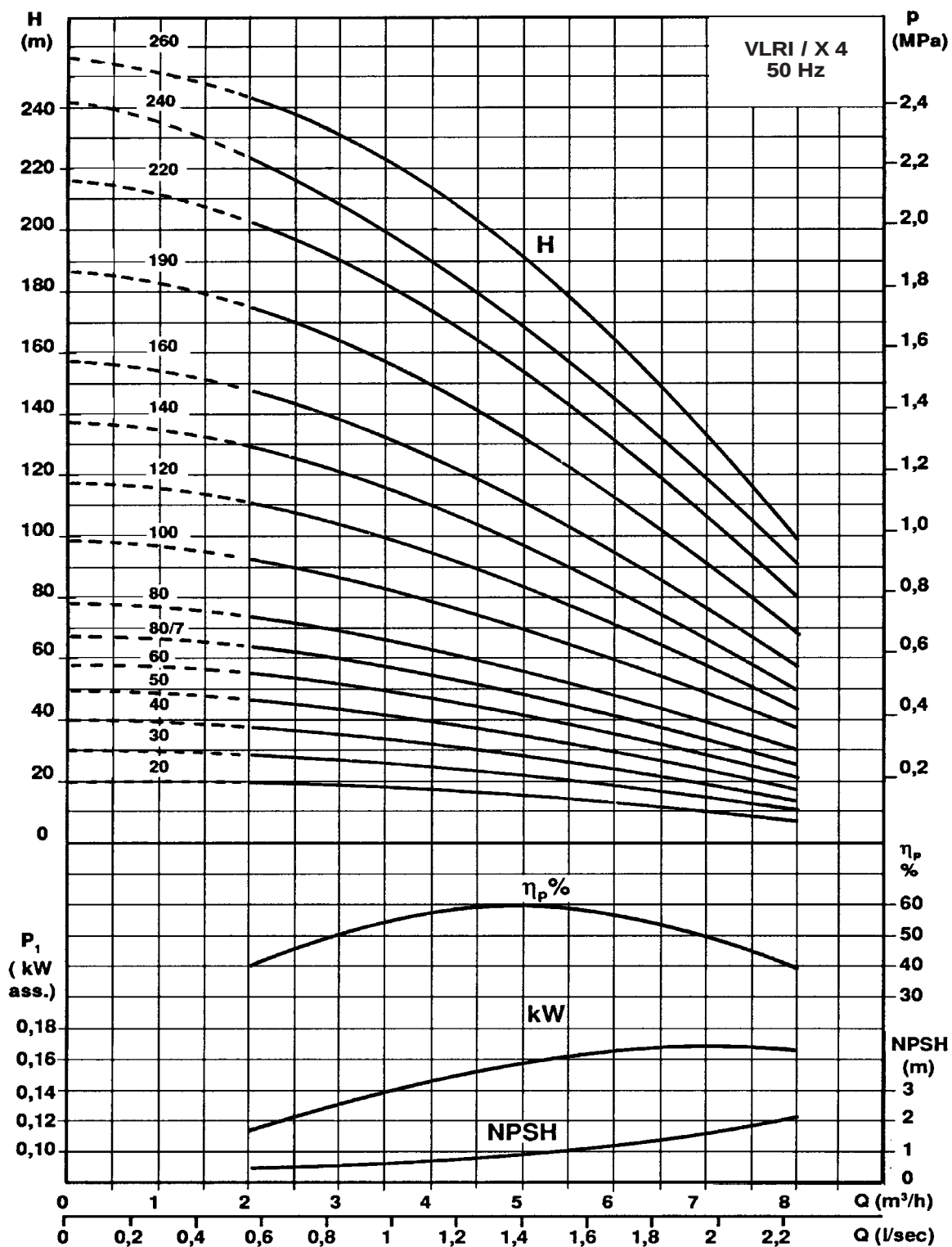


TABLE OF HYDRAULIC PERFORMANCE



- Speed of rotation 2900 rpm
- Performance in accordance with UNI EN ISO 9906 standard
- Head and NPSH valid for water with $\rho=1,0 \text{ Kg / dm}^3$ at 20° C density
- The power curve (Kw) refers to the shaft power each stage
- $\eta_p \%$ refers to the pump hydraulic performance

PUMP PERFORMANCE

MODEL	CODE VLRI	CODE VLRX	Motor Power		VOLTAGE	Amp.	μF	Q	L/1' m³/h	40	60	80	100	120
			HP	kW						2,4	3,6	4,8	6,0	7,2
VLRI/X 4- 20 FM VLRI/X 4- 20 FT	E3600010 E3600020	E3730010 E3730020	0,50	0,37	1 ~ 230 V 3 ~ 230÷400 V	2,7 1,7 - 1,0	14	Discharge head in meters		19	17	15	13	9
VLRI/X 4- 30 FM VLRI/X 4- 30 FT	E3600030 E3600040	E3730030 E3730040	0,75	0,55	1 ~ 230 V 3 ~ 230÷400 V	4,0 2,5 - 1,4	16			28	25	22	19	13
VLRI/X 4- 40 FM VLRI/X 4- 40 FT	E3600050 E3600060	E3730050 E3730060	1,00	0,75	1 ~ 230 V 3 ~ 230÷400 V	5,2 3,3 - 1,9	25			36	33	29	25	18
VLRI/X 4- 50 FM VLRI/X 4- 50 FT	E3600070 E3600080	E3730070 E3730080	1,50	1,10	1 ~ 230 V 3 ~ 230÷400 V	8,0 4,3 - 2,5	35			44	42	37	31	23
VLRI/X 4- 60 FM VLRI/X 4- 60 FT	E3600090 E3600100	E3730090 E3730100	1,50	1,10	1 ~ 230 V 3 ~ 230÷400 V	8,0 4,3 - 2,5	35			53	50	44	38	27
VLRI/X 4- 80/7 FM VLRI/X 4- 80/7 FT	E3600110 E3600120	E3730110 E3730120	2,00	1,50	1 ~ 230 V 3 ~ 230÷400 V	12 5,9 - 3,4	45			61	58	51	44	32
VLRI/X 4- 80 FM VLRI/X 4- 80 FT	E3600130 E3600140	E3730130 E3730140	2,00	1,50	1 ~ 230 V 3 ~ 230÷400 V	12 5,9 - 3,4	45			71	67	59	50	37
VLRI/X 4-100 FT	E3600150	E3730150	3,00	2,20	3 ~ 230÷400 V	8,3 - 4,8				90	82	72	61	46
VLRI/X 4-120 FT	E3600160	E3730160	3,00	2,20	3 ~ 230÷400 V	8,3 - 4,8				107	99	87	73	54
VLRI/X 4-140 FT	E3600170	E3730170	4,00	3,00	3 ~ 230÷400 V	10,9 - 6,3				124	116	102	85	63
VLRI/X 4-160 FT	E3600180	E3730180	4,00	3,00	3 ~ 230÷400 V	10,9 - 6,3				142	132	116	97	72
VLRI/X 4-190 FT VLRI/X 4-190 FT	E3600190 E3600250	E3730190 E3730250	5,50	4,00	3 ~ 230÷400 V 3 ~ 400÷690 V	13,8 - 8,0				170	157	138	114	86
VLRI/X 4-220 FT VLRI/X 4-220 FT	E3600200 E3600260	E3730200 E3730260	5,50	4,00	3 ~ 230÷400 V 3 ~ 400÷690 V	13,8 - 8,0				196	181	160	131	101
VLRI/X 4-240 FT VLRI/X 4-240 FT	E3600210 E3600230	E3730210 E3730230	7,50	5,50	3 ~ 230÷400 V 3 ~ 400÷690 V	12,4 - 21,5				213	198	175	143	110
VLRI/X 4-260 FT VLRI/X 4-260 FT	E3600220 E3600240	E3730220 E3730240	7,50	5,50	3 ~ 230÷400 V 3 ~ 400÷690 V	12,4 - 21,5				240	221	189	156	120

VERSIONS AVAILABLE :

"F": "in line" ports with round flanges

counterflanges on request

"A" (on request up to VLRI/X 4-160): "in line" ports with 1" 1/4 gas oval flanges.

1" 1/4 gas oval counterflanges

"V" (on request just on VLRX): with 1" 1/4 couplings for Victaulic joint

TABLE OF SIZES AND WEIGHTS

Model	Dimensions (mm)					Net Weight (kg)
	A	B	L	D	H	
VLRI/X 4 - 20 F	250	215	465	158	168	26
VLRI/X 4 - 30 F	277	215	492	158	168	27
VLRI/X 4 - 40 F	308	245	553	170	203	29
VLRI/X 4 - 50 F	335	245	580	170	203	31
VLRI/X 4 - 60 F	362	245	607	170	203	32
VLRI/X 4 - 80/7 F	435	255	690	180	205	39
VLRI/X 4 - 80 F	435	255	690	180	205	39
VLRI/X 4 - 100 F	489	280	769	180	205	42
VLRI/X 4 - 120 F	543	280	823	180	205	43
VLRI/X 4 - 140 F	601	300	901	196	235	49
VLRI/X 4 - 160 F	655	300	955	196	235	49
VLRI/X 4 - 190 F	761	325	1086	218	256	61
VLRI/X 4 - 220 F	842	325	1167	218	256	63
VLRI/X 4 - 240 F	923	390	1313	300	350	87
VLRI/X 4 - 260 F	977	390	1367	300	350	89

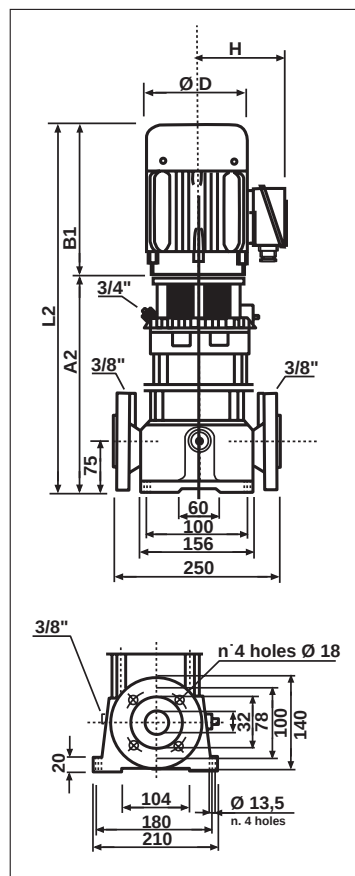
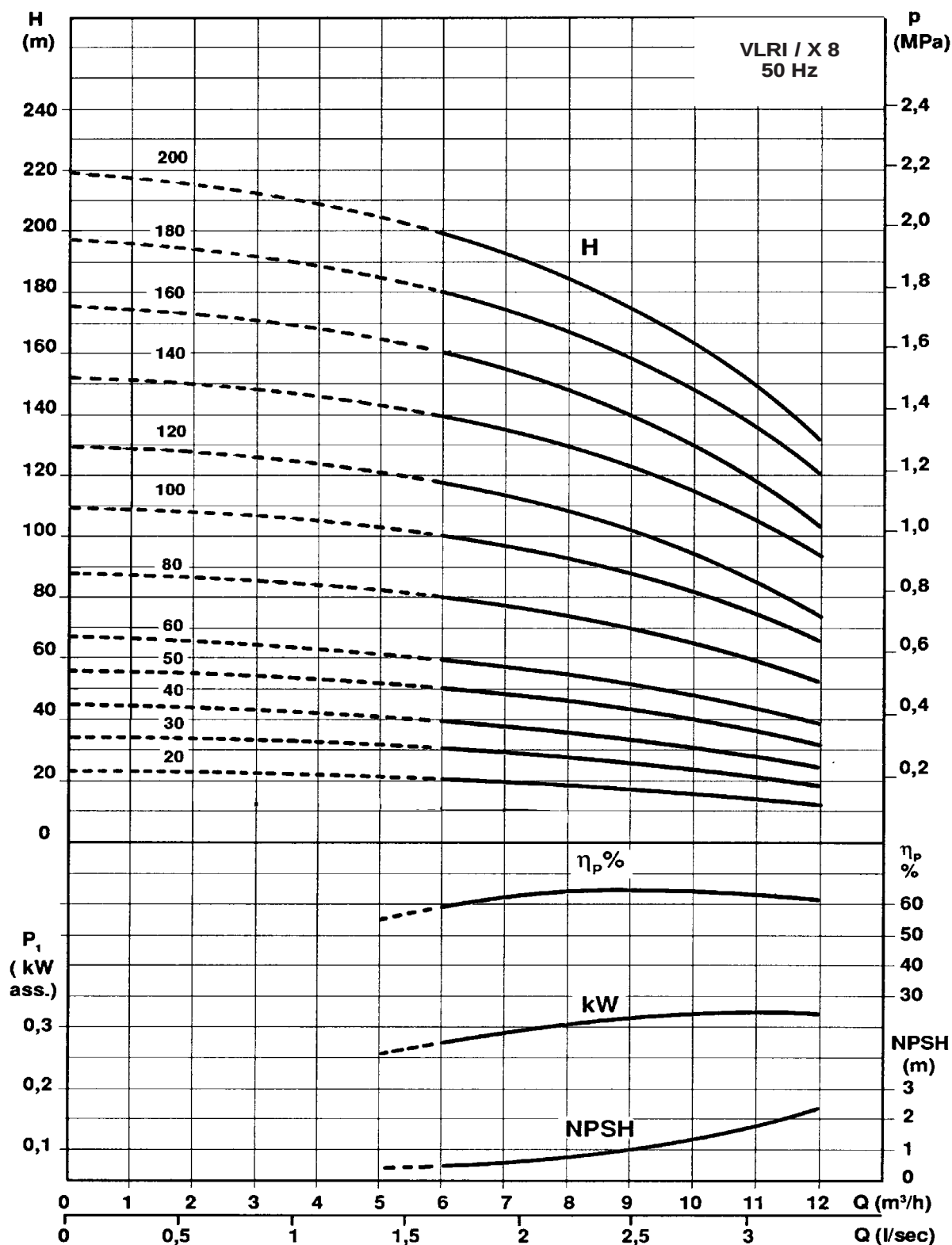


TABLE OF HYDRAULIC PERFORMANCE



- Speed of rotation 2900 rpm
- Performance in accordance with UNI EN ISO 9906 standard
- Head and NPSH valid for water with $\rho = 1,0 \text{ Kg / dm}^3$ at 20° C density
- The power curve (Kw) refers to the shaft power each stage
- η_p % refers to the pump hydraulic performance

PUMP PERFORMANCE

MODEL	CODE VLRI	CODE VLRX	Motor Power		VOLTAGE	Amp.	μF	Q L/1' m³/h	50 3	100 6	150 9	175 10,5	200 12
			HP	kW									
VLRI/X 8 - 20 F M VLRI/X 8 - 20 F T	E4630010 E4630020	E4730010 E4730020	1	0,75	1 ~ 230 V 3 ~ 230 ÷ 400 V	5,2 3,3-1,9	25	Discharge head in meters	21	20	18	15	13
VLRI/X 8 - 30 F M VLRI/X 8 - 30 F T	E4630030 E4630040	E4730030 E4730040	1,5	1,1	1 ~ 230 V 3 ~ 230 ÷ 400 V	8 4,3-2,5	35		32	30	27	23	19
VLRI/X 8 - 40 F M VLRI/X 8 - 40 F T	E4630050 E4630060	E4730050 E4730060	2	1,5	1 ~ 230 V 3 ~ 230 ÷ 400 V	12 5,9-3,4	45		42	40	35	30	26
VLRI/X 8 - 50 F T	E4630070	E4730070	3	2,2	3 ~ 230 ÷ 400 V	8,8-5,1			53	50	44	38	32
VLRI/X 8 - 60 F T	E4630080	E4730080	3	2,2	3 ~ 230 ÷ 400 V	8,8-5,1			64	60	52	45	39
VLRI/X 8 - 80 F T	E4630090	E4730090	4	3	3 ~ 230 ÷ 400 V	11,8-6,8			85	80	70	60	52
VLRI/X 8 - 100 F T VLRI/X 8 - 100 F T	E4630100 E4630110	E4730100 E4730110	5,5	4	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	16,8-9,7			106	100	88	76	65
VLRI/X 8 - 120 F T VLRI/X 8 - 120 F T	E4630120 E4630130	E4730120 E4730130	5,5	4	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	16,8-9,7			127	119	104	90	77
VLRI/X 8 - 140 F T VLRI/X 8 - 140 F T	E4630140 E4630150	E4730140 E4730150	7,5	5,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	21,5-12,4			149	130	122	105	92
VLRI/X 8 - 160 F T VLRI/X 8 - 160 F T	E4630160 E4630170	E4730160 E4730170	7,5	5,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	21,5-12,4			171	160	138	120	104
VLRI/X 8 - 180 F T VLRI/X 8 - 180 F T	E4630180 E4630190	E4730180 E4730190	10	7,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	28-16,4			193	181	160	135	120
VLRI/X 8 - 200 F T VLRI/X 8 - 200 F T	E4630200 E4630210	E4730200 E4730210	10	7,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	28-16,4			214	200	175	153	132

VERSIONS AVAILABLE :

"F": "in line" ports with round flanges

counterflanges on request

"V" (on request just on VLRX): with 2" couplings for Victaulic joint

TABLE OF SIZES AND WEIGHTS

Model	Dimensions (mm)						Net Weight (kg)
	A	B	L	D	H	D ₃	
VLRI/X 8 - 20 F	245	237	422	160	131	-	33
VLRI/X 8 - 30 F	375	237	612	160	131	-	35
VLRI/X 8 - 40 F	420	265	685	185	130	-	43
VLRI/X 8 - 50 F	450	265	715	185	130	-	45
VLRI/X 8 - 60 F	480	265	745	185	130	-	46
VLRI/X 8 - 80 F	545	315	860	200	140	-	54
VLRI/X 8 - 100 F	605	335	940	200	140	-	55
VLRI/X 8 - 120 F	665	335	1000	200	140	-	59
VLRI/X 8 - 140 F	745	385	1130	260	185	300	80
VLRI/X 8 - 160 F	805	385	1190	260	185	300	81
VLRI/X 8 - 180 F	865	385	1250	260	185	300	85
VLRI/X 8 - 200 F	925	385	1310	260	185	300	86

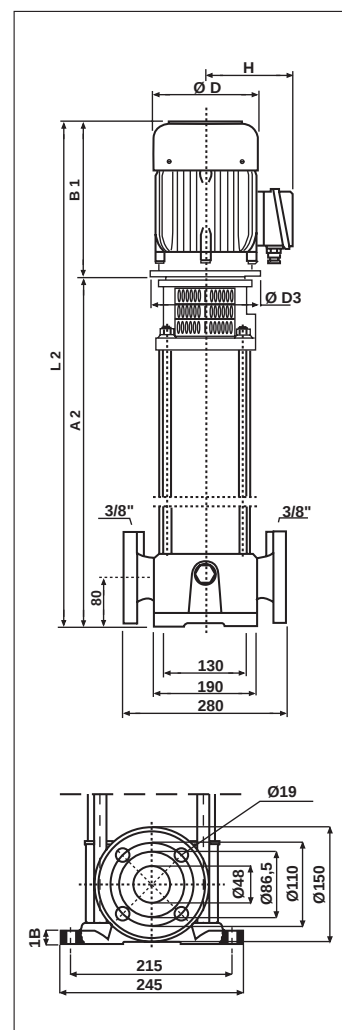
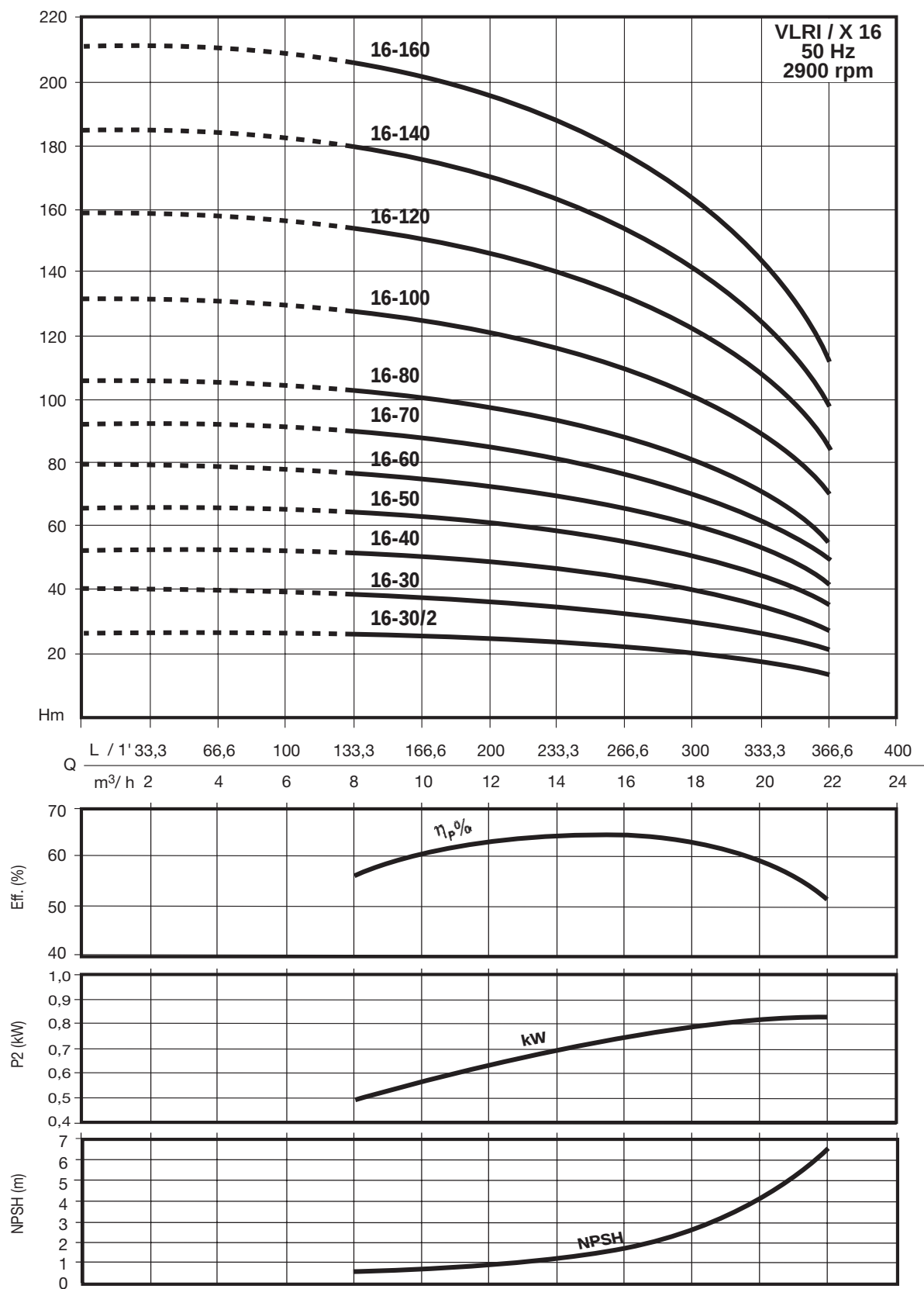


TABLE OF HYDRAULIC PERFORMANCE



- Speed of rotation 2900 rpm
- Performance in accordance with UNI EN ISO 9906 standard
- Head and NPSH valid for water with $\rho=1,0 \text{ Kg / dm}^3$ at 20° C density
- The power curve (Kw) refers to the shaft power each stage
- η_p % refers to the pump hydraulic performance

PUMP PERFORMANCE

MODEL	CODE VLRI	CODE VLRX	Motor Power		VOLTAGE	Amp.	Q L/1' m³/h	100	200	250	300	350
			HP	kW				6	12	15	18	21
VLRI/X 16 - 30/2 F T	E5630010	E5730010	3	2,2	3 ~ 230 ÷ 400 V	8,5-4,9	Discharge head in meters	26	25	23	20	16
VLRI/X 16 - 30 F T	E5630020	E5730020	4	3	3 ~ 230 ÷ 400 V	11,6-6,7		39	37	34	30	24
VLRI/X 16 - 40 F T	E5630030 E5630040	E5730030 E5730040	5,5	4	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	14,3-8,3 8,3-4,8		52	49	46	40	32
VLRI/X 16 - 50 F T	E5630050 E5630060	E5730050 E5730060	7,5	5,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	19,6-11,3 11,3-8,5		65	62	57	51	40
VLRI/X 16 - 60 F T	E5630070 E5630080	E5730070 E5730080	7,5	5,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	19,6-11,3 11,3-8,5		78	74	69	61	47
VLRI/X 16 - 70 F T	E5630090 E5630100	E5730090 E5730100	10	7,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	24,8-14,3 14,3-8,3		91	86	80	71	55
VLRI/X 16 - 80 F T	E5630110 E5630120	E5730110 E5730120	10	7,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	24,8-14,3 14,3-8,3		104	98	92	81	63
VLRI/X 16 - 100 F T	E5630130 E5630140	E5730130 E5730140	15	11	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	36,3-21,0 21,0-12,1		130	123	115	101	79
VLRI/X 16 - 120 F T	E5630150 E5630160	E5730150 E5730160	15	11	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	36,3-21,0 21,0-12,1		156	148	137	121	95
VLRI/X 16 - 140 F T	E5630170 E5630180	E5730170 E5730180	20	15	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	48,4-28,0 28,0-12,6		182	172	160	142	111
VLRI/X 16 - 160 F T	E5630190 E5630200	E5730190 E5730200	20	15	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	48,4-28,0 28,0-12,6		208	197	183	162	126

VERSIONS AVAILABLE :

"F": "in line" ports with round flanges

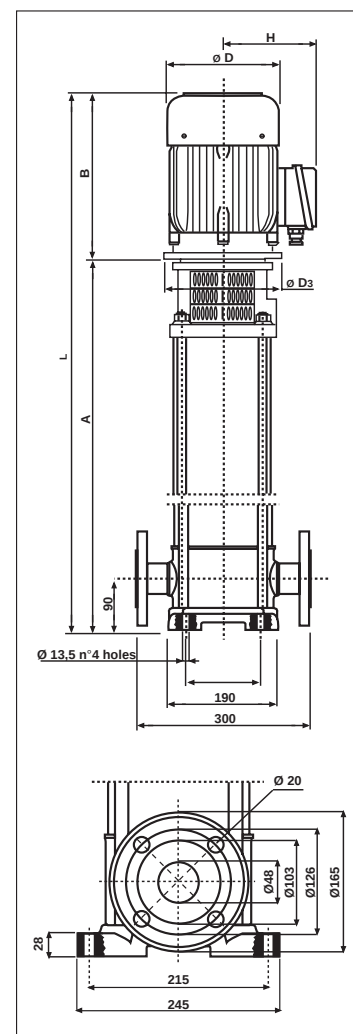
counterflanges on request

"V" (on request just on VLRX): with 2" couplings for Victaulic joint

Approximate motor power. The real value depends on type of motor installed and type of applications.

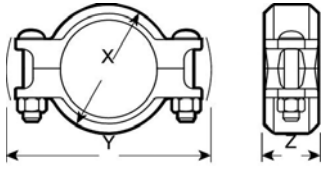
TABLE OF SIZES AND WEIGHTS

Model	Dimensions (mm)						Net Weight (kg)
	A	B	L	D	H	D ₃	
VLRI/X 16 - 30/2 F	460	265	725	185	130	140	44
VLRI/X 16 - 30 F	464	315	779	200	140	250	48
VLRI/X 16 - 40 F	509	335	844	200	140	250	51
VLRI/X 16 - 50 F	575	385	960	260	185	300	74
VLRI/X 16 - 60 F	620	385	1005	260	185	300	76
VLRI/X 16 - 70 F	665	385	1050	260	185	300	82
VLRI/X 16 - 80 F	710	385	1095	260	185	300	84
VLRI/X 16 - 100 F	830	495	1325	260	185	350	128
VLRI/X 16 - 120 F	920	495	1425	260	185	350	132
VLRI/X 16 - 140 F	1010	495	1505	310	230	350	173
VLRI/X 16 - 160 F	1100	495	1595	310	230	350	177

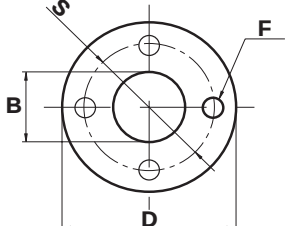




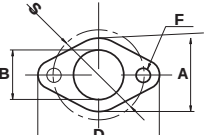
VICTAULIC CONNECTIONS

CODE	DESCRIPTION	MATERIAL	DIMENSIONS			CONNECTION
			X	Y	Z	
ZA009020	 Victaulic connection	Cast iron	68	117	45	1" 1/4 42,2
ZA009030			87	133	48	2" 60,3

ROUND FLANGES PN 16

CODE	DESCRIPTION	MATERIAL	ext. D	inter. S	Hole No.	F	B Threaded	To be welded	PN	SPEC
D3086KKK	 Kit including 2 oval flanges, bolts and gaskets	STEEL	140	100	4	18	1"1/4	-	16	UNI EN 1092-1
B7098KKK			150	110	4	18	-	DN40	16	UNI EN 1092-1
B7097KKK			150	110	4	18	1"1/2	-	16	UNI EN 1092-1
ZB901890			165	125	4	18	-	DN50	16	UNI EN 1092-1
B7050KKK			165	125	4	18	2"	-	16	UNI EN 1092-1
B7051KKK			165	125	4	18	2"1/2	-	16	N/A
ZB901920			220	180	8	18	-	DN100	16	UNI EN 1092-1
B7698KKK			185	145	8	18	-	DN65	25	UNI EN 1092-1
ZB902350			235	190	8	22	-	DN100	25	UNI EN 1092-1
ZA008460		STAINLESS STEEL AISI 316	140	99,2	4	20	1"1/4	DN32	16	N/A
ZB902120			150	110	4	20	1"1/2	DN40	16	N/A
ZB902130			165	126	4	20	2"	DN50	16	N/A

OVAL FLANGES

CODE	DESCRIPTION	MATERIAL	ext. D	ext. A	inter. S	Ø holes F	B Threaded
ZC001270	Kit including 2 oval flanges, bolts and gaskets 	CAST IRON	95	68	65	11	1"
ZC001290		CAST IRON	95	68	65	11	1"1/4
ZC001280		CAST IRON	128	75	100	14	1"1/2
ZA008560	Kit including 2 oval flanges, bolts and gaskets	STAINLESS STEEL AISI 316	95	68	65	11	1"1/4

SELECTION TABLE

ACCESSORY		KIT N. 2 CIRCULAR FLANGES												OVAL FLANGES			
B Dimension		1"1/4"	1"1/2"	DN 40	2"	2"1/2"	DN 50	DN 65	DN 100	DN 100	DN 32	DN 40	DN 50	1"	1"1/4"	1"1/2"	1"1/4"
Notes		PN 16	PN 16	PN 16	PN 16	-	PN 25	PN 25	PN 16	PN 25	PN 16	PN 16	PN 16	CAST IRON	CAST IRON	CAST IRON	AISI 316
TYPE	CODE	D3086KKK	B7097KKK	B7098KKK	B7050KKK	B7051KKK	ZB901890	B7698KKK	ZB901920	ZB902350	ZA008460	ZB902120	ZB902130	* ZC001270	* ZC001290	* ZC001280	ZA008560
	VLR 2B VERSION A													●			
	VLR 2B VERSION F	○															
	VLR 4 VERSION A														●		
	VLR 4 VERSION F	○															
	VLR 8 VERSION A															●	
	VLR 8 VERSION F		○	○													
	VLR 16 VERSION F				○	○	○										
	VLR 32 VERSION F							●									
	VLR 66 VERSION F 66-50								●								
	VLR 66 VERSION F 66-60									○							
	VLRI/X 2B/4 VERSION A																●
	VLRI/X 2B/4 VERSION F										○						
	VLRI/X 8 VERSION A											○					●
	VLRI/X 16 VERSION F												○				

* These codes refer to the bare single flange, without bolts and gaskets

● The accessory is included in the pump as a standard ○ The accessory is optional