

SURFACE PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

The VLR 8s are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features

- Impellers, diffusers, intermediate chambers and outer liner in AISI 304 stainless steel, shaft in AISI 431 stainless steel
- Base and head in GG20 cast iron
- EPDM rubber O ring
- Mechanical seal with tungsten carbide primary and secondary ring, EPDM O-ring
- All the version "A" VLR are complete with 1 1/2" oval gas counterflanges
- For the version "F" VLR, round DN40 counterflanges on request

Motor

- Asynchronous electric motor with enclosed stator and external ventilation
- Main dimensions are in accordance with the provisions of DIN and IEC standards
- Class F insulation
- Level of protection IP 55
- Maximum environmental temperature 40 °C
- Speed of rotation 2900 rpm

Usage Limitations

- Liquid temperature from - 15°C to +120°C
- Maximum operating pressure:
 - Oval flanges : 16 bar
 - DIN flanges : 25 bar (maximum pumped liquid temperature 85° C)
 - : 23 bar (maximum pumped liquid temperature 120° C)
- Maximum inlet pressure:
 - VLR 8-20 - VLR 8- 30 = 6 bar
 - VLR 8-40 - VLR 8-200 = 10 bar
- Minimum suction head:
 - please refer to the NPSH values with a safety margin of 0.5 m

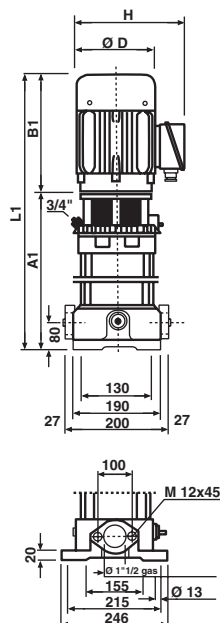
Applications

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

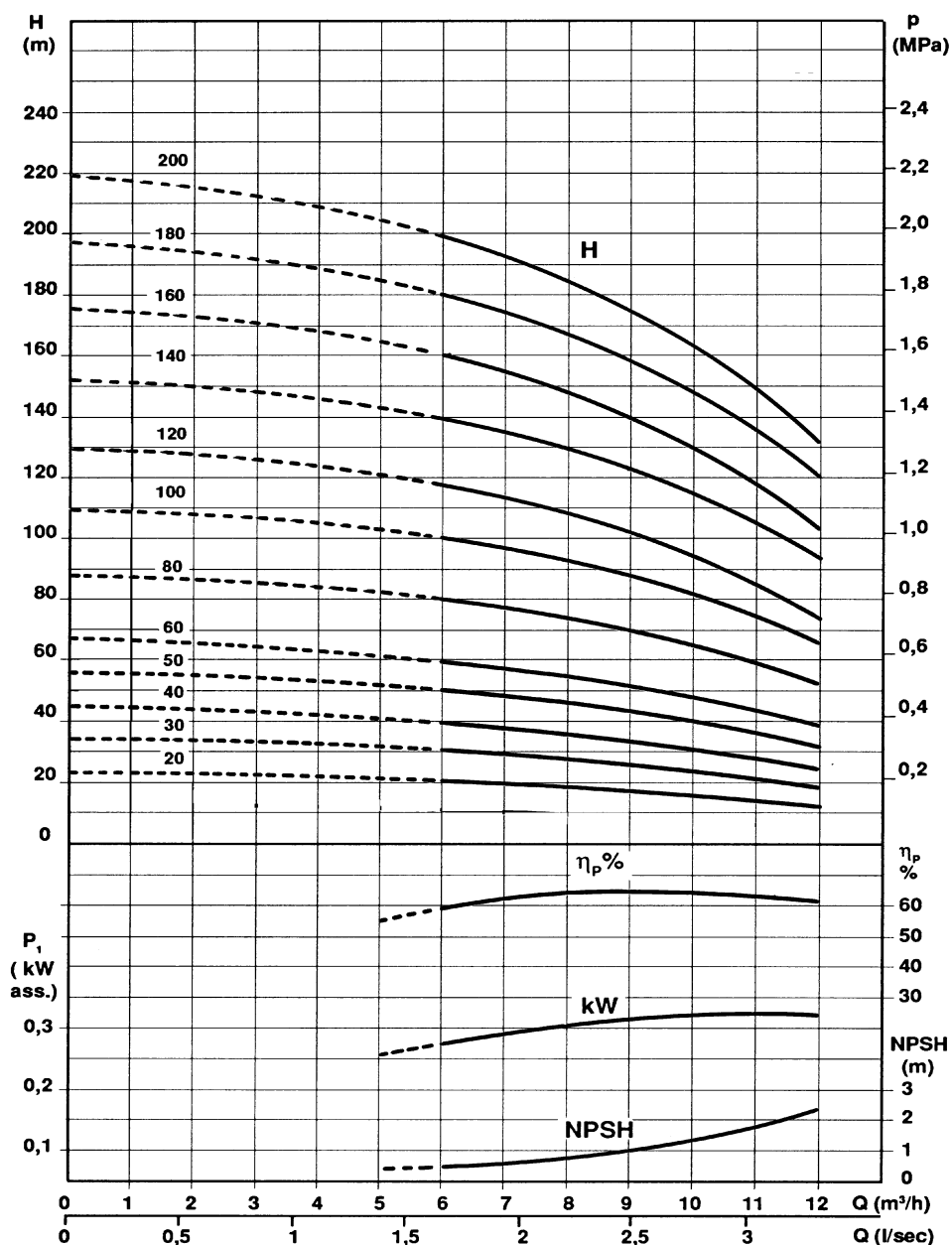
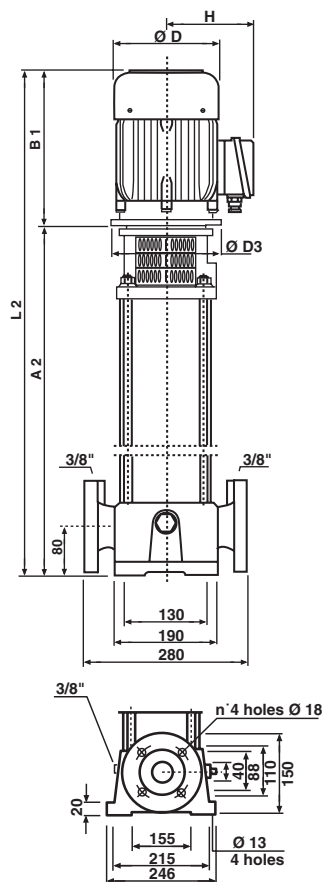


CODE	MODEL	Motor Power		VOLTAGE	Amp.	μF.	Q	L/1' m³/h	50	100	150	175	200					PRICE
		HP	kW						3	6	9	10,5	12					
E4502102 E4501002	VLR 8 - 20 A M VLR 8 - 20 A T	1	0,75	1 ~ 230 V 3 ~ 230 ÷ 400 V	5,2 3,3-1,9	25	Discharge head in meters		21	20	18	15	13					
E4502103 E4501003	VLR 8 - 30 A M VLR 8 - 30 A T	1,5	1,1	1 ~ 230 V 3 ~ 230 ÷ 400 V	8 4,3-2,5	35			32	30	27	23	19					
E4502104 E4501004	VLR 8 - 40 A M VLR 8 - 40 A T	2	1,5	1 ~ 230 V 3 ~ 230 ÷ 400 V	12 5,9-3,4	45			42	40	35	30	26					
E4501005	VLR 8 - 50 A T	3	2,2	3 ~ 230 ÷ 400 V	8,8-5,1				53	50	44	38	32					
E4501006	VLR 8 - 60 A T	3	2,2	3 ~ 230 ÷ 400 V	8,8-5,1				64	60	52	45	39					
E4501008	VLR 8 - 80 A T	4	3	3 ~ 230 ÷ 400 V	11,8-6,8				85	80	70	60	52					
E4501010 E4501110	VLR 8 - 100 A T VLR 8 - 100 A T	5,5	4	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	16,8-9,7				106	100	88	76	65					
E4501012 E4501112	VLR 8 - 120 A T VLR 8 - 120 A T	5,5	4	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	16,8-9,7				127	119	104	90	77					
E4531014 E4531114	VLR 8 - 140 F T VLR 8 - 140 F T	7,5	5,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	21,5-12,4				149	130	122	105	92					
E4531016 E4531116	VLR 8 - 160 F T VLR 8 - 160 F T	7,5	5,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	21,5-12,4				171	160	138	120	104					
E4531018 E4531118	VLR 8 - 180 F T VLR 8 - 180 F T	10	7,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	28-16,4				193	181	160	135	120					
E4531020 E4531120	VLR 8 - 200 F T VLR 8 - 200 F T	10	7,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	28-16,4				214	200	175	153	132					

① Version with oval flanges
VLR 8-20 - VLR 8-120



② Version with round flanges
PN25 DIN 2534/ISO 7005-2



- Power (Kw) and efficiency (%) refer to one stage

Model	Dimensions (mm)								Net Weight (kg)	
	A ₁ ①	B ₁	L ₁ ①	A ₂ ②	L ₂ ②	D	H	D ₃		
VLR 8 - 20	245	237	482	-	-	160	131	-	30	-
VLR 8 - 30	375	237	612	-	-	160	131	-	32	-
VLR 8 - 40	420	265	685	-	-	185	130	-	40	-
VLR 8 - 50	450	265	715	-	-	185	130	-	42	-
VLR 8 - 60	480	265	745	-	-	185	130	-	43	-
VLR 8 - 80	545	315	860	-	-	200	140	-	51	-
VLR 8 - 100	605	335	940	-	-	200	140	-	52	-
VLR 8 - 120	665	335	1000	-	-	200	140	-	56	-
VLR 8 - 140	-	385	-	745	1130	260	185	300	-	85
VLR 8 - 160	-	385	-	805	1190	260	185	300	-	86
VLR 8 - 180	-	385	-	865	1250	260	185	300	-	90
VLR 8 - 200	-	385	-	925	1310	260	185	300	-	91