

SURFACE PUMPS

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

The VLR 16s 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, diffusors, 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
- Version with DIN/ISO flanges:
- Flanges DN 50 PN25 DIN 2534/ISO 7005-2 (with 65mm diameter bore)
- Counterflanges available on request: - weldable DN 50 PN 25
- 2" threaded gas

Motor

- Asynchronous electric three-phase 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

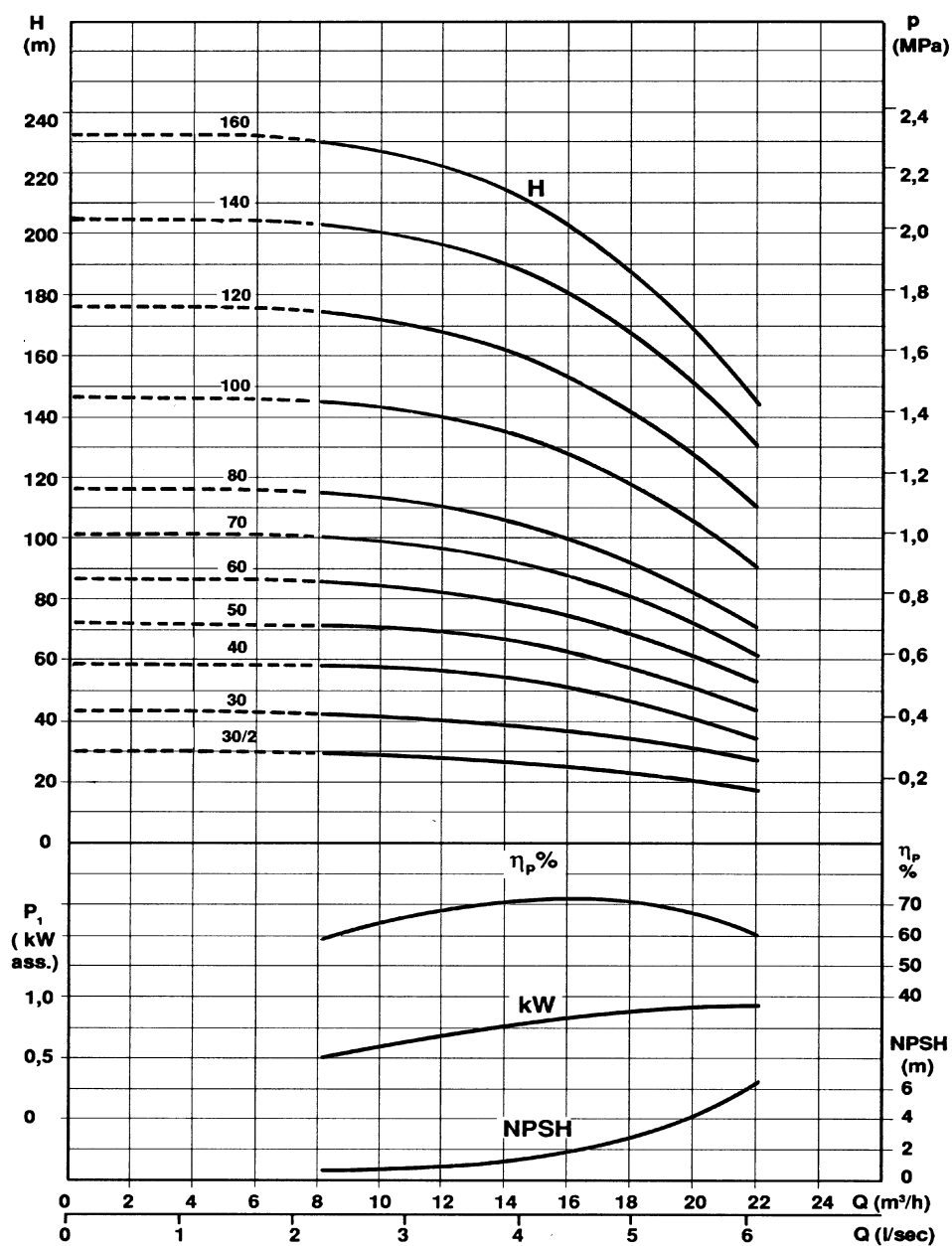
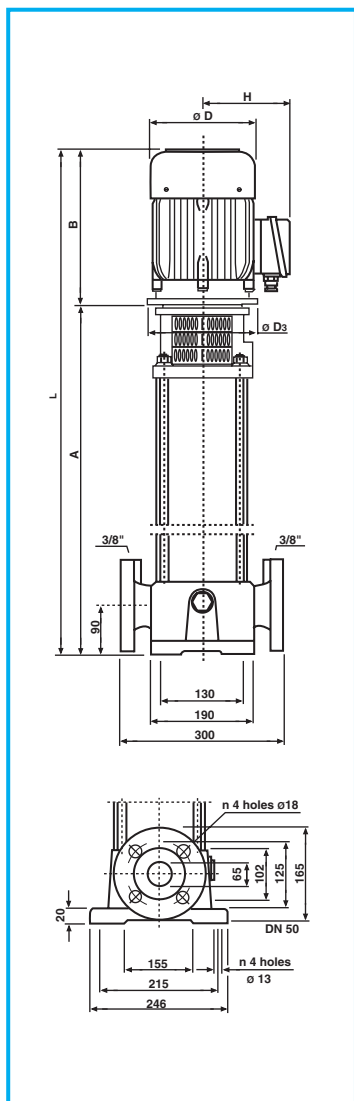
- Liquid temperature from - 15°C to +120°C
- Maximum operating pressure:
VLR 16-30/2 - VLR 16-160 = 25 bar (max. temp. 85° C)
VLR 16-30/2 - VLR 16-160 = 23 bar (max. temp. 120° C)
- Maximum inlet pressure:
VLR 16-30/2 - VLR 16- 30 = 6 bar
VLR 16-40 - VLR 16-160 = 10 bar
- Minimum suction head:
please 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.	Q	L/1' m³/h	100	200	250	300	350					PRICE
		HP	kW					6	12	15	18	21					
E5501002	VLR 16 - 30/2F T	3	2,2	3 ~ 230 ÷ 400 V	8,8-5,1	Discharge head in meters		29	27	26	22	18					
E5501003	VLR 16 - 30 F T	4	3	3 ~ 230 ÷ 400 V	11,8-6,8			43	40	37	32	27					
E5501004 E5501104	VLR 16 - 40 F T VLR 16 - 40 F T	5,5	4	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	16,8-9,7			58	54	52	44	37					
E5501005 E5501105	VLR 16 - 50 F T VLR 16 - 50 F T	7,5	5,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	21,5-12,4			72	68	65	56	46					
E5501006 E5501106	VLR 16 - 60 F T VLR 16 - 60 F T	7,5	5,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	21,5-12,4			87	81	78	68	58					
E5501007 E5501107	VLR 16 - 70 F T VLR 16 - 70 F T	10	7,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	28-16,4			101	95	90	80	67					
E5501008 E5501108	VLR 16 - 80 F T VLR 16 - 80 F T	10	7,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	28-16,4			116	108	102	92	76					
E5501010 E5501110	VLR 16 - 100 F T VLR 16 - 100 F T	15	11	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	40-23,5			145	136	130	118	98					
E5501012 E5501112	VLR 16 - 120 F T VLR 16 - 120 F T	15	11	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	40-23,5			174	163	156	140	118					
E5501014 E5501114	VLR 16 - 140 F T VLR 16 - 140 F T	20	15	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	50-29			204	190	184	163	140					
E5501016 E5501116	VLR 16 - 160 F T VLR 16 - 160 F T	20	15	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	50-29			232	220	208	188	159					



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

Model	Dimensions (mm)						Net Weight (kg)
	A	B	L	D	H	D ₃	
VLR 16 - 30/2	460	265	725	185	130	140	52
VLR 16 - 30	464	315	779	200	140	250	56
VLR 16 - 40	509	335	844	200	140	250	59
VLR 16 - 50	575	385	960	260	185	300	82
VLR 16 - 60	620	385	1005	260	185	300	84
VLR 16 - 70	665	385	1050	260	185	300	90
VLR 16 - 80	710	385	1095	260	185	300	92
VLR 16 - 100	830	495	1325	260	185	350	136
VLR 16 - 120	920	495	1425	260	185	350	140
VLR 16 - 140	1010	495	1505	310	230	350	181
VLR 16 - 160	1100	495	1595	310	230	350	185