

VLE

in-line monoblock multistage pumps

Extremely quiet and high efficiency pumps.



PERFORMANCE RANGE

Flow rate up to 120 l/min (7.2 m³/h)
Dynamic head up to 105 m

OPERATING LIMITS

Suction lift up to 7 m
Fluid temperature up to + 40°C
Maximum ambient temperature + 40°C

CONSTRUCTION AND SAFETY STANDARDS:

EN 60 335-1	EN 60034-1
IEC 335-1	IEC 34-1
CEI 61-150	CEI 2-3

PUMP INSTALLATION AND APPLICATIONS

These pumps are suitable for pumping clean water and fluids which are not chemically aggressive to the pump components.

THEY ARE EXTREMELY RELIABLE, SIMPLE TO USE AND QUIET FINDING MANY USES IN DOMESTIC APPLICATIONS, IN PARTICULAR FOR INSTALLATIONS WITHOUT PROPER VENTILATION, NEAR HEAT SOURCES LIKE OVENS, IN LIMITED SPACES AND SPACES SUBJECT TO WATER JETS AND FOR INSTALLATION OVER VALUABLE SURFACES (E.G. PARQUET, ETC.). AS EVENTUAL MECHANICAL SEAL LEAKAGES CANNOT COME OUT FROM THE PUMP ITSELF.

The form of construction used for this series, with the various stages completely enclosed in a stainless steel external sleeve and high performance allow these pumps to find reliable applications in equipping industrial machinery.

WARRANTY: 2 YEARS

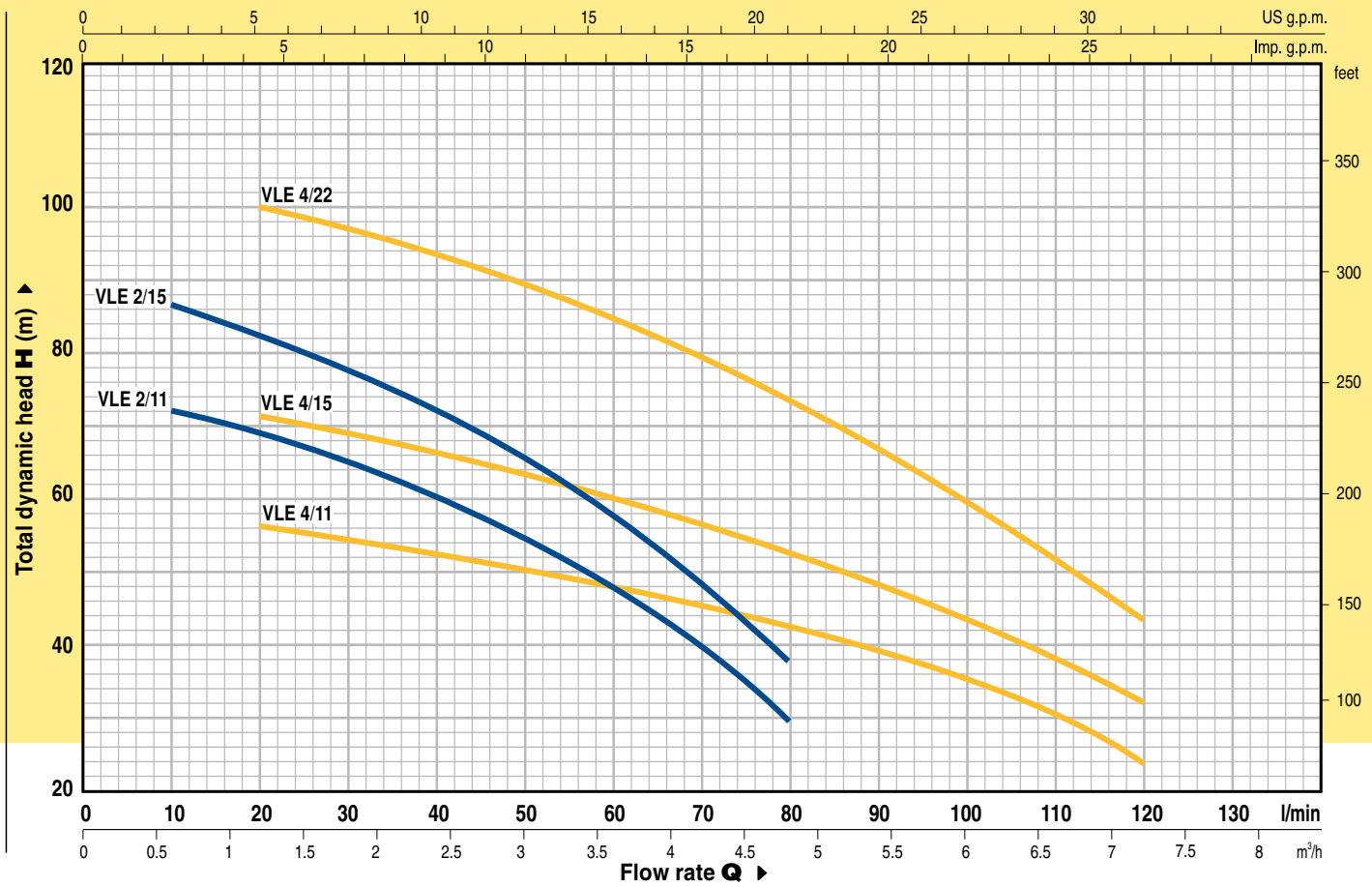
(according to our general sales conditions).

STRUCTURAL CHARACTERISTICS

- **EXTERNAL SLEEVE:**
AISI 304 stainless steel, with UNI ISO 228/1 gas threaded suction and delivery openings.
- **IMPELLERS AND DIFFUSERS:**
Noryl® "General Electric" technopolymer.
- **DIAPHRAGM:** AISI 304 stainless steel, complete with anti-wear rings.
- **MOTOR SLEEVE:** AISI 304 stainless steel.
- **MOTOR SHAFT:** AISI 430F stainless steel.
- **MOTOR BRACKETS:** brass.
- **DOUBLE MECHANICAL SEAL:**
silicon carbide/silicon carbide on the pump side and sealing ring on the motor side (with barrier oil chamber to lubricate and cool the sealing surfaces in the absence of water).
- **BOLTS & SCREWS:** AISI 304 stainless steel.
- **MOTOR:**
completely removable and rewindable enclosed induction MOTOR, suitable for continuous duty.
The thermal cutout relay (motor protector) is incorporated in single phase motors up to 1.5 kW. Cooling of motor assured by the pumped liquid. INSULATION class F (provides the motor with a considerable overload tolerance and substantially increases the service life of the motor itself).
- **PROTECTION:** IP 68.
- **SUPPLY CABLE:**
two meters "H07 RN-F" neoprene cable with **removable connector**.
- **CONTROL BOX:**
with capacitor and SHUKO plug on single phase versions.
Protection IP 64.



PERFORMANCE CHART AT n= 2900 1/min



PERFORMANCE DATA AT n= 2900 1/min

PUMP MODEL		POWER		Q	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2
Single phase	Three phase	kW	HP	m ³ /h	0	10	20	30	40	50	60	70	80	90	100	110	120
VLEm 2/11	VLE 2/11	1.1	1.5	H (m)	75	72	70	66	61	55	48	40	30	-	-	-	-
VLEm 2/15	VLE 2/15	1.5	2		90	87	83	78	73	66	58	48	38	-	-	-	-
VLEm 4/11	VLE 4/11	1.1	1.5		60	58	56	54	52	50	48	46	43	39	36	31	24
VLEm 4/15	VLE 4/15	1.5	2		75	74	72	69	66	64	60	57	53	48	43	38	32
VLEm 4/22	VLE 4/22	2.2	3		105	103	101	98	94	90	86	80	75	67	60	52	44

Q = FLOW RATE H = TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548.

DIMENSIONS

PUMP MODEL	DN	DIMENSIONS mm		
		L		Ø
		Single phase	Three phase	
VLE 2/11	1 1/4"	547	547	153
VLE 2/15	1 1/4"	577	577	153
VLE 4/11	1 1/4"	517	517	153
VLE 4/15	1 1/4"	547	547	153
VLE 4/22	1 1/4"	652	652	153

