

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron



In-line centrifugal electric pumps with hydraulic equipment in cast iron, single impeller, designed to satisfy DIN 24255. Equipped with normalised motor.

APPLICATIONS

- Heating and air conditioning systems
- Cooling and domestic hot water systems
- Pressurisation
- Industrial: pumping clean, chemically neutral fluids without abrasive particles in suspension

CHARACTERISTICS AND ADVANTAGES

- Direct mounting to pipes with supplementary mounts up to 3 kW power rating
- Very silent running
- Reduced size
- Ease of installation and removal
- Low maintenance

OPTIONS/ACCESSORIES AVAILABLE ON REQUEST

- Anti-condensation heating elements
- ATEX execution
- Temperature sensors (PT100), thermistors (PTC)
- Dual speed
- Powered ventilation

PUMP TECHNICAL DATA

- Maximum operating pressure: 10 bar
- Fluid temperature: $-10 \div +120^{\circ}\text{C}$
- Admitted fluids: clean, chemically neutral and without suspended particles
- Flanges (delivery and suction): DN 40 to DN 200
- MEI > 0.4

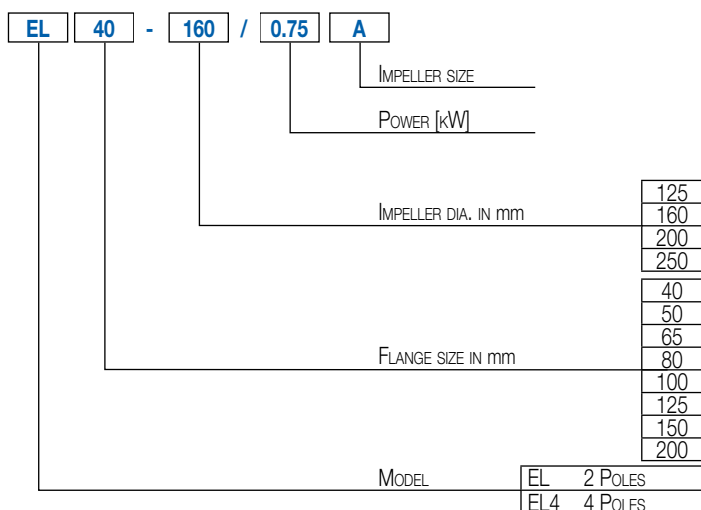
MOTOR TECHNICAL DATA

- Three phase asynchronous motor, 2 and 4 poles
- Speed: 1450 – 2900 rpm
- Insulation class: F
- Protection rating: IP55
- Ambient temperature: 40°C
- Voltage:
 - 3~230/400V $\pm 10\%$ (for power ≤ 4 kW)
 - 3~400/690V $\pm 10\%$ (for power > 4 kW)
- Frequency: 50 Hz (60Hz available on request)

MATERIALS

- Pump body and lantern in cast iron (GG-25)
- Cast iron impeller (GG-20)
- Shaft made of AISI 316 stainless steel
- Mechanical seal in graphite/ceramic
- Gasket/O-ring in paper/NBR

IDENTIFICATION CODE



ELINE

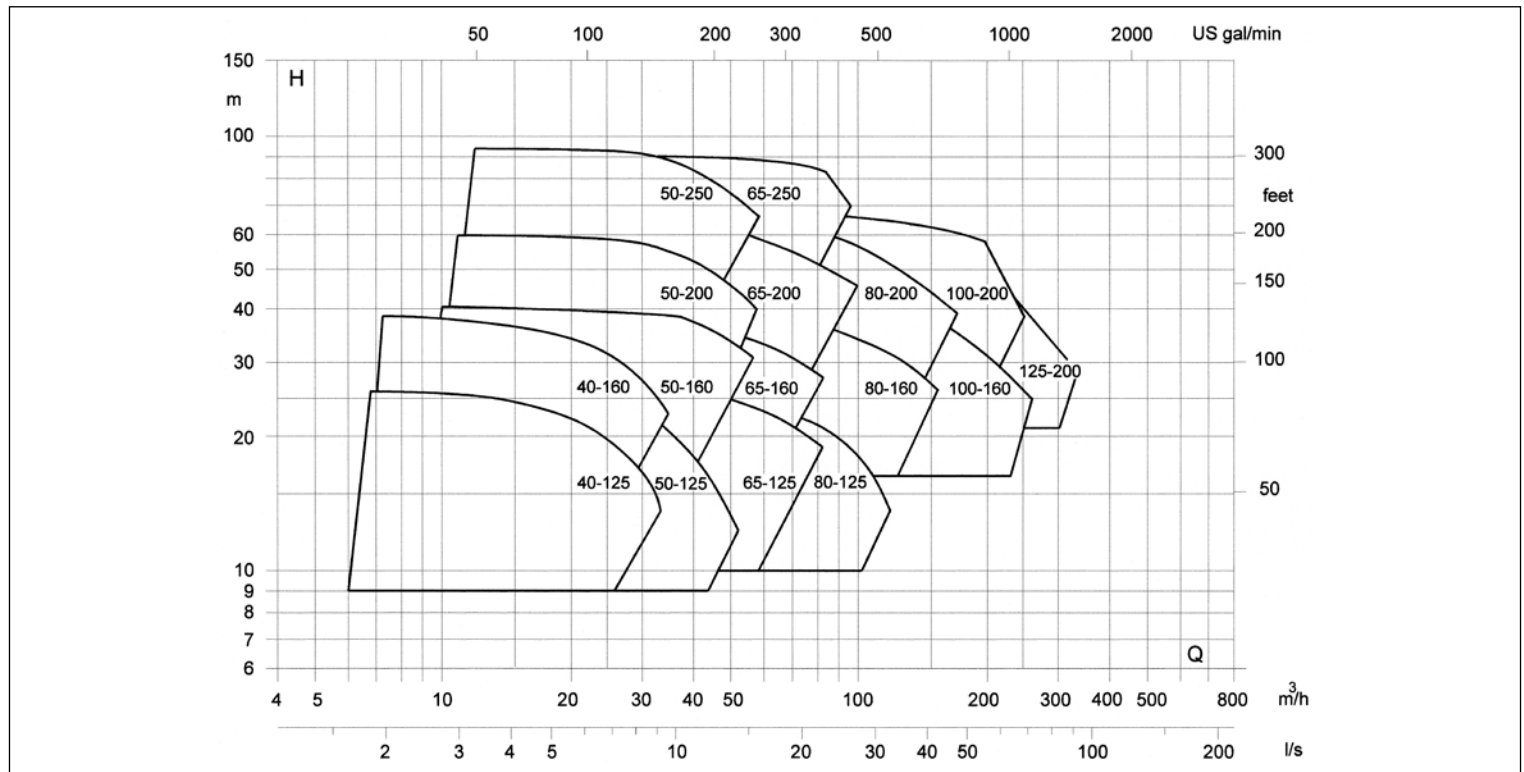
IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

PERFORMANCE RANGE ELINE

(per ISO 9906 Annex A)

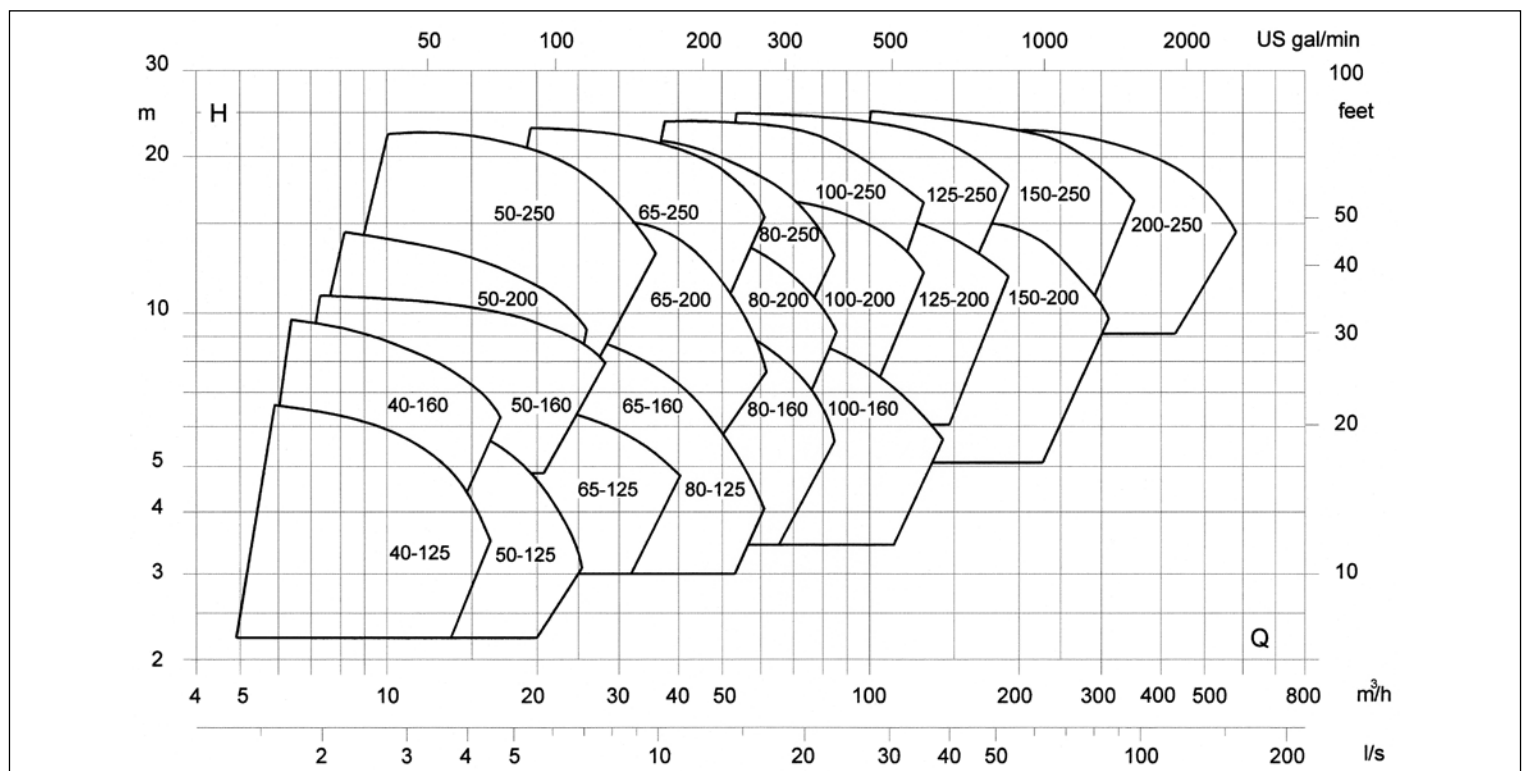
2 Poles



PERFORMANCE RANGE ELINE 4

(per ISO 9906 Annex A)

4 Poles



The contents of this publication should not be regarded as binding. EBARA Pumps Europe S.p.A. reserves the right to effect any modification it deems necessary, without prior notice.

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

SELECTION TABLE up to 60 m³/h

2 Poles

	Q [m³/h]											
	7	10	15	20	25	30	35	40	45	50	55	60
10					40-125 1.5 C	50-125 2.2 C	50-125 2.2 C					
15	50-125 1.5 C	40-125 1.5 C	40-125 1.5 C	40-125 2.2 B	40-125 2.2 B	50-125 3 B	50-125 3 B	50-125 4 A	65-125 4 C	65-125 5.5 B	65-125 5.5 B	65-125 5.5B
20	40-125 2.2 B	40-125 2.2 B	40-125 2.2 B	40-125 2.2 A	40-125 3 A	50-125 3 A	50-125 4 A	65-125 4 B	65-125 5.5 B	65-125 5.5 A	65-125 7.5 A	65-125 7.5 A
25	40-125 2.2 A	40-125 2.2 A	40-125 2.2 A	40-160 3 B	40-160 5.5 A	50-160 5.5 B	50-160 5.5 B	65-125 5.5 A	65-125 5.5 A	65-125 7.5 B	65-125 7.5 B	65-125 7.5 B
30	40-160 3 B	40-160 3 B	40-160 3 B	40-160 4 A	40-160 5.5 A	50-160 5.5 B	50-160 5.5 B	50-160 7.5 A	65-125 7.5 B	65-160 9.2 A	65-160 9.2 B	65-160 9.2 A
35	40-160 4 A	40-160 4 A	40-160 4 A	40-160 4 A	50-160 7.5 A	50-160 7.5 A	50-160 7.5 A	50-160 7.5 A	65-160 9.2 A	65-160 9.2 A	65-160 9.2 B	65-160 9.2 A
40	50-160 7.5 A	50-160 7.5 A	50-160 7.5 A	50-160 7.5 A	50-160 7.5 A	50-160 7.5 A	50-200 9.2 B	50-200 9.2 B	50-200 11 B	100-200 22 D	100-200 22 D	100-200 22 D
45	50-200 9.2 B	50-200 9.2 B	50-200 9.2 B	50-200 9.2 B	50-200 9.2 B	50-200 9.2 B	50-200 9.2 B	50-200 9.2 B	50-250 15 C	100-200 30 C	100-200 30 C	100-200 30 C
50	50-200 9.2 B	50-200 9.2 B	50-200 9.2 B	50-200 9.2 B	50-200 9.2 B	50-200 9.2 B	50-200 11 B	50-200 11 B	65-250 18.5 C	100-200 30 C	100-200 30 C	100-200 30 C
55	50-200 11 A	50-200 11 A	50-200 11 A	50-200 11 A	50-200 11 A	50-200 9.2 B	50-200 11 B	50-200 11 B	65-250 18.5 C	100-200 30 B	100-200 30 B	100-200 30 C
60	50-250 11 C	50-250 11 C	50-250 11 C	50-250 11 C	50-250 11 C	50-250 15 B	50-250 15 B	50-250 15 B	50-250 15 B	100-200 37 A	100-200 30 C	100-200 30 C
65	50-250 15 B	50-250 15 B	50-250 15 B	50-250 15 B	50-250 15 B	50-250 15 B	50-250 15 B	50-250 15 B	50-250 18.5 A	100-200 37 A	100-200 37 A	100-200 37 A
70	50-250 15 B	50-250 15 B	50-250 15 B	50-250 15 B	50-250 15 B	50-250 15 B	50-250 15 B	50-250 18.5 A	50-250 18.5 A	50-250 22 A	65-250 22 B	65-250 22 B
75	50-250 15 B	50-250 15 B	50-250 15 B	50-250 15 B	50-250 15 B	50-250 15 B	50-250 18.5 A	50-250 18.5 A	50-250 18.5 A	50-250 22 A	65-250 22 B	65-250 22 B
80	50-250 15 B	50-250 15 B	50-250 18.5 A	50-250 15 B	50-250 18.5 A	50-250 18.5 A	50-250 18.5 A	50-250 18.5 A	50-250 18.5 A	50-250 22 A	65-250 30 A	65-250 30 A
85	50-250 18.5 A	50-250 18.5 A	50-250 18.5 A	50-250 15 B	50-250 18.5 A	50-250 18.5 A	50-250 18.5 A	50-250 18.5 A	65-250 30 A	65-250 30 A	65-250 30 A	65-250 22 B
90	50-250 18.5 A	50-250 18.5 A	50-250 18.5 A	50-250 15 B	50-250 18.5 A	50-250 18.5 A	50-250 18.5 A	65-250 30 A	65-250 30 A	65-250 30 A	65-250 30 A	65-250 30 A
95	50-250 18.5 A	50-250 18.5 A	50-250 18.5 A	50-250 15 B	50-250 18.5 A	65-250 30 A	65-250 30 A					

Model --> 50-250
18.5 A <-- Impeller

Single pump

Single/twin pump

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

SELECTION TABLE 65 m³/h and above

2 Poles

H [m]	Q [m³/h]											
	65	70	80	90	100	125	150	175	200	225	250	275
10												
15	65-125 5.5B	80-125 5.5 B	80-125 5.5 B	80-125 7.5 A	80-125 7.5 A				100-160 15 C			
20	65-160 7.5 B	65-160 7.5 B	80-125 7.5 A	80-125 7.5 A	80-160 9.2 C	80-160 15 B	100-160 15 C	100-160 15 C	100-160 22 B			
25	65-160 7.5 B	65-160 9.2 A	80-160 11 B	80-160 11 B	80-160 11 B	80-160 15 B	80-160 18.5 A	100-160 18.5 B	100-160 22 B			
30	65-160 9.2 A	65-160 9.2 A	80-160 11 B	80-160 11 B	100-200 22 D	100-200 22 D	100-200 22 D	100-200 22 D	100-200 30 C	125-200 30 D	125-200 30 D	
35	100-200 22 D	100-200 22 D	100-200 22 D	100-200 22 D	100-200 22 D	100-200 22 D	100-200 22 D	100-200 30 C	100-200 30 C	125-200 30 D	125-200 37 C	
40	100-200 22 D	100-200 22 D	100-200 22 D	100-200 22 D	100-200 22 D	100-200 30 C	100-200 30 C	100-200 30 C	100-200 37 B	125-200 37 C	125-200 37 C	
45	100-200 30 C	100-200 30 C	100-200 30 C	100-200 30 C	100-200 30 C	100-200 30 C	100-200 30 C	100-200 37 A	125-200 37 C			
50	100-200 30 C	100-200 30 C	100-200 30 B	100-200 30 B	100-200 30 B	100-200 30 B	100-200 30 B	100-200 37 A				
55	100-200 30 B	100-200 30 B	100-200 30 B	100-200 30 B	100-200 30 B	100-200 30 B	100-200 37 A					
60	100-200 30 B	100-200 30 B	100-200 30 B	100-200 37 A	100-200 37 A	100-200 37 A	100-200 37 A					
65	100-200 37 A	100-200 37 A	100-200 37 A	100-200 37 A	100-200 37 A							
70	65-250 22 B	65-250 22 B	65-250 30 B									
75	65-250 22 B	65-250 30 A										
80	65-250 30 A	65-250 30 A										
85	65-250 22 B											
90	65-250 30 A											
95												

Model --> 100-200
22 D <-- Impeller

Single pump

Single/twin pump

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

SELECTION TABLE up to 80 m³/h

4 Poles

	Q [m³/h]																			
	4	6	8	10	12	14	16	18	20	25	30	35	40	45	50	55	60	65	70	80
4	40-125 0.55 C	40-125 0.55 C	40-125 0.55 C	40-125 0.55 B	40-125 0.55 B	50-125 0.55 B	50-125 0.55 B	50-125 0.55 A	50-125 0.55 A	65-125 0.55 B	65-125 0.75 B	65-160 1.1 B	65-160 1.1 B	65-160 1.1 B	80-160 1.1 C	80-160 1.1 C	80-160 1.1 C			
5	40-125 0.55 B	40-125 0.55 B	40-125 0.55 B	40-125 0.55 B	40-125 0.55 A	50-125 0.55 A	50-125 0.55 A	50-125 0.55 A	65-125 0.55 B	65-125 0.55 B	65-125 0.75 A	65-160 1.1 B	65-160 1.1 B	65-160 1.5 A	80-160 1.1 C	80-160 1.5 B	80-160 1.5 B	100-160 2.2 C	100-160 2.2 C	100-160 2.2 C
6	40-125 0.55 A	40-125 0.55 A	40-125 0.55 A	40-160 0.55 B	40-160 0.55 B	50-160 0.75 B	50-160 0.75 B	50-160 0.75 B	65-125 0.75 A	65-125 0.75 A	65-160 1.1 B	65-160 1.1 B	65-160 1.5 A	65-160 1.5 A	80-160 1.5 B	80-160 1.5 B	80-160 1.5 B	100-160 2.2 B	100-160 2.2 B	100-160 2.2 B
7	40-160 0.55 B	40-160 0.55 B	40-160 0.55 B	40-160 0.55 A	40-160 0.55 A	50-160 0.75 B	50-160 0.75 B	50-160 0.75 B	50-160 0.75 B	65-160 1.5 A	65-160 1.5 A	65-160 1.5 A	65-160 1.5 A	80-160 1.5 B	80-160 1.5 B	80-160 1.5 B	80-160 2.2 A	100-160 2.2 B	100-160 2.2 B	100-160 3 A
8	40-160 0.55 A	40-160 0.55 A	40-160 0.55 A	40-160 0.55 A	40-160 0.55 A	50-160 1.1 A	50-160 1.1 A	50-160 1.1 A	50-160 1.1 A	65-160 1.5 A	65-160 1.5 A	65-160 1.5 A	65-200 2.2 C	80-160 2.2 A	80-160 2.2 A	80-160 2.2 A	80-160 2.2 A	80-200 3 B	100-160 3 A	100-160 3 A
9	40-160 0.55 A	40-160 0.55 A	40-160 0.55 A	50-160 1.1 A	50-160 1.1 A	50-160 1.1 A	50-160 1.1 A	50-160 1.1 A	50-160 1.1 A	65-160 1.5 A	65-200 1.5 C	65-200 1.5 C	65-200 2.2 B	80-160 2.2 A	80-160 2.2 A	80-160 2.2 A	80-200 3 B	80-200 3 B	80-200 4 A	80-200 4 A
10		50-160 1.1 A	50-160 1.1 A	50-160 1.1 A	50-160 1.1 A	50-160 1.1 A	50-160 1.1 A	50-200 1.5 A	50-200 1.5 A	50-250 2.2 B	65-200 2.2 C	65-200 2.2 B	65-200 2.2 B	80-200 2.2 B	80-200 3 B	80-200 3 B	80-200 3 B	80-200 4 A	80-200 4 A	80-250 5.5 A
11		50-200 1.1 B	50-200 1.1 B	50-200 1.1 B	50-200 1.1 B	50-200 1.5 A	50-200 1.5 A	50-200 1.5 A	50-200 1.5 A	50-250 2.2 B	65-200 2.2 B	65-200 2.2 B	65-200 2.2 B	80-200 2.2 B	80-200 2.2 B	80-200 3 B	80-200 4 A	80-200 4 A	80-200 4 A	80-250 5.5 A
12		50-200 1.1 B	50-200 1.5 A	50-200 1.5 A	50-200 1.5 A	50-200 1.5 A	50-200 1.5 A	50-200 1.5 A	50-250 2.2 C	50-250 2.2 B	65-200 2.2 B	65-200 2.2 A	65-200 2.2 A	80-200 2.2 B	80-200 3 A	80-200 3 A	80-200 4 A	80-200 4 A	80-200 4 A	80-250 5.5 A
13		50-200 1.5 A	50-200 1.5 A	50-200 1.5 A	50-200 1.5 A	50-200 1.5 A	50-200 1.5 A	50-250 2.2 C	50-250 2.2 B	50-250 2.2 B	65-200 2.2 A	65-200 2.2 A	65-200 2.2 A	80-200 3 A	80-200 3 A	80-200 3 A	80-200 4 A	80-200 4 A	80-250 5.5 A	80-250 5.5 A
14		50-200 1.5 A	50-200 1.5 A	50-200 1.5 A	50-200 1.5 A	50-250 2.2 C	50-250 2.2 C	50-250 2.2 B	50-250 2.2 B	50-250 2.2 B	65-200 2.2 A	65-200 2.2 A	65-200 2.2 A	80-200 3 A	80-200 3 A	80-200 3 A	80-200 4 B	80-200 4 B	80-250 5.5 A	80-250 5.5 A
16		50-250 2.2 B	50-250 2.2 B	50-250 2.2 C	50-250 2.2 B	50-250 2.2 B	50-250 2.2 B	50-250 2.2 B	50-250 2.2 B	50-250 3 A	65-250 3 B	65-250 3 B	65-250 3 B	80-250 4 C	80-250 4 B	80-250 5.5 A	80-250 5.5 A	80-250 5.5 A	80-250 5.5 B	100-250 7.5 A
18		50-250 2.2 B	50-250 2.2 B	50-250 2.2 B	50-250 2.2 B	50-250 2.2 B	50-250 2.2 B	50-250 2.2 A	50-250 2.2 A	50-250 2.2 A	65-250 3 B	65-250 4 A	65-250 4 A	80-250 5.5 A	80-250 5.5 A	80-250 5.5 A	80-250 5.5 A	100-250 7.5 A	100-250 7.5 A	100-250 7.5 A
20		50-250 2.2 A	50-250 2.2 A	50-250 2.2 A	50-250 2.2 B	50-250 2.2 A	50-250 2.2 A	50-250 2.2 A	50-250 2.2 A	65-250 4 A	65-250 4 A	65-250 4 A	65-250 4 A	80-250 5.5 A	80-250 5.5 A	100-250 7.5 A	100-250 7.5 A	100-250 7.5 A	100-250 7.5 A	100-250 7.5 A
22		50-250 2.2 A	50-250 2.2 A	50-250 2.2 A	50-250 2.2 A	50-250 2.2 A	50-250 2.2 A	50-250 2.2 A	65-250 4 A	65-250 4 A	65-250 4 A	100-250 7.5 A	100-250 7.5 A	100-250 7.5 A	100-250 7.5 A	100-250 7.5 A	100-250 7.5 A	100-250 7.5 A	100-250 7.5 A	100-250 7.5 A
24		50-250 2.2 A	50-250 2.2 A	50-250 2.2 A	50-250 2.2 A	50-250 2.2 A	65-250 4 A	65-250 4 A	100-250 7.5 A	100-250 7.5 A	100-250 7.5 A	100-250 7.5 A	100-250 7.5 A	100-250 7.5 A	125-250 11 A	125-250 11 A	125-250 11 A	125-250 11 A	125-250 11 A	125-250 11 A

Model --> 50-200
1.5 A <-- Impeller

Single pump

Single/twin pump

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

SELECTION TABLE 90 m³/h and above

4 Poles

	Q [m³/h]																	
	90	100	110	120	130	140	150	160	180	200	225	250	275	300	350	400	450	500
4																		
5	100-160 3 A	100-160 3 A	100-160 3 A	100-160 4 A														
6	100-160 3 A	100-160 3 A	100-160 3 A	100-160 4 A	100-160 4 A													
7	100-160 3 A	100-160 3 A	100-160 3 A	125-200 4 D	125-200 4 D	150-200 5.5 D	150-200 5.5 D	150-200 5.5 D	150-200 5.5 D	150-200 7.5 C								
8	100-160 3 A	100-200 4 C	100-200 4 C	125-200 4 D	125-200 5.5 C	150-200 5.5 D	150-200 5.5 D	150-200 5.5 D	150-200 7.5 C	150-200 7.5 C	150-200 7.5 C	150-200 11 B						
9	100-200 4 C	100-200 4 C	100-200 5.5 B	125-200 5.5 C	125-200 5.5 C	125-200 5.5 C	150-200 7.5 C	150-200 7.5 C	150-200 7.5 C	150-200 7.5 C	150-200 11 B	150-200 11 B						
10	100-200 4 C	100-200 5.5 B	100-200 5.5 B	125-200 5.5 C	125-200 5.5 C	125-200 7.5 B	150-200 7.5 C	150-200 7.5 C	150-200 11 B	150-200 11 B	150-200 11 B	150-200 11 A						
11	100-200 4 A	100-200 5.5 B	100-200 5.5 B	125-200 5.5 B	125-200 7.5 C	125-200 7.5 C	150-200 7.5 B	150-200 7.5 B	150-200 11 B	150-200 11 B	150-200 11 A	150-200 11 A	150-200 11 A	200-250 15 D	200-250 15 D			
12	100-200 4 A	100-200 5.5 A	100-200 5.5 A	125-200 5.5 B	125-200 7.5 C	125-200 7.5 B	150-200 7.5 B	150-200 7.5 B	150-200 11 B	150-200 11 A	150-200 11 A	150-200 11 A	200-250 15 D	200-250 15 D	200-250 15 D			
13	100-200 5.5 A	100-200 5.5 A	100-200 5.5 A	125-200 7.5 A	125-200 7.5 A	125-200 7.5 A	150-200 11 A	150-200 11 A	150-200 11 A	150-200 11 A	150-200 11 A	150-250 15 C	200-250 15 D	200-250 15 D	200-250 18.5 C	200-250 18.5 C	200-250 30 B	
14	100-200 5.5 A	100-200 5.5 A	100-200 5.5 A	125-200 7.5 A	125-200 7.5 A	125-200 7.5 A	150-200 11 A	150-200 11 A	150-200 11 A	150-200 11 A	150-250 15 C	150-250 15 C	200-250 15 D	200-250 18.5 C	200-250 18.5 C	200-250 30 B	200-250 30 B	200-250 30 A
16	100-250 9.2 A	100-250 9.2 A	100-250 9.2 A	100-250 9.2 A	100-250 9.2 A	125-250 11 B	150-250 15 C	150-250 15 C	150-250 15 C	150-250 15 C	150-250 15 C	150-250 15 B	200-250 18.5 C	200-250 18.5 C	200-250 22 B	200-250 30 B	200-250 30 A	200-250 30 A
18	100-250 9.2 A	100-250 9.2 A	100-250 9.2 A	100-250 9.2 A	125-250 11 B	125-250 11 B	150-250 15 C	150-250 15 C	150-250 15 B	150-250 15 B	150-250 15 B	150-250 18.5 B	200-250 22 B	200-250 22 B	200-250 22 B	200-250 30 A	200-250 30 A	
20	100-250 9.2 A	100-250 9.2 A	125-250 11 B	125-250 11 A	125-250 11 A	125-250 11 A	150-250 15 B	150-250 15 B	150-250 15 B	150-250 15 B	150-250 18.5 A	150-250 18.5 A	200-250 30 A	200-250 30 A	200-250 30 A	200-250 30 A		
22	125-250 11 A	125-250 11 A	125-250 11 A	125-250 11 A	125-250 11 A	125-250 11 A	150-250 18.5 A	150-250 18.5 A	150-250 18.5 A	150-250 18.5 A	150-250 18.5 A	150-250 18.5 A	200-250 30 A	200-250 30 A	200-250 30 A			
24	125-250 11 A	200-250 30 A	150-250 18.5 A	150-250 18.5 A	150-250 18.5 A	150-250 18.5 A	150-250 18.5 A	150-250 18.5 A	150-250 18.5 A									

Model --> 50-250
Motor power (kW) --> 2.2 B <-- Impeller

Single pump

Single/twin pump

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

PERFORMANCE CURVES ELINE 40-125

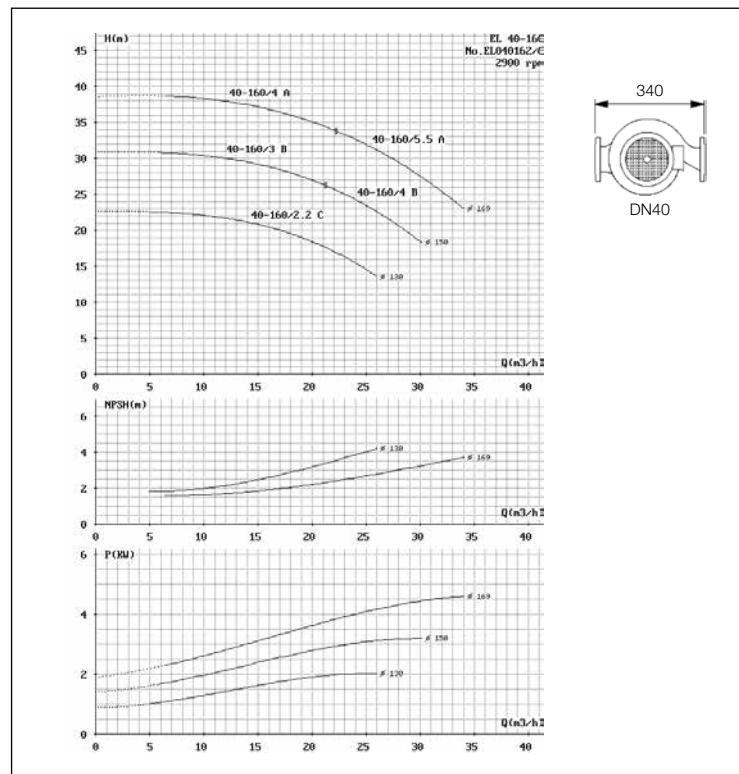
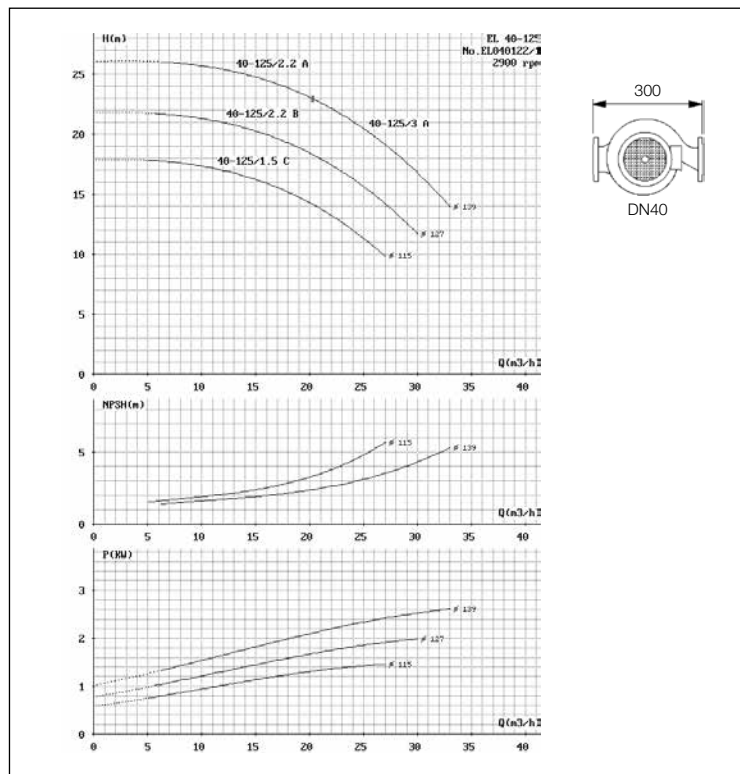
(per ISO 9906 Annex A)

2 Poles

PERFORMANCE CURVES ELINE 40-160

(per ISO 9906 Annex A)

2 Poles



PERFORMANCE CURVES ELINE 50-125

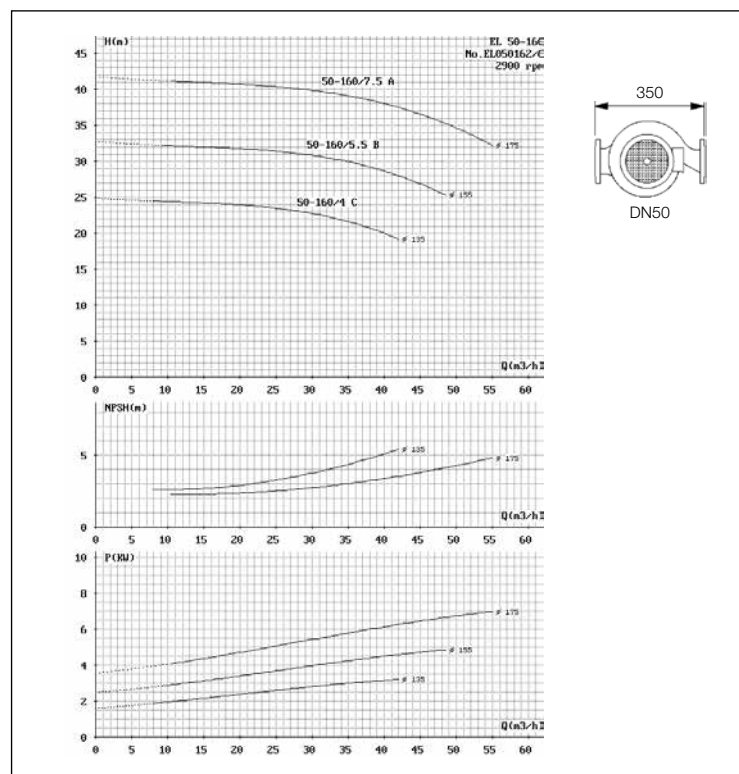
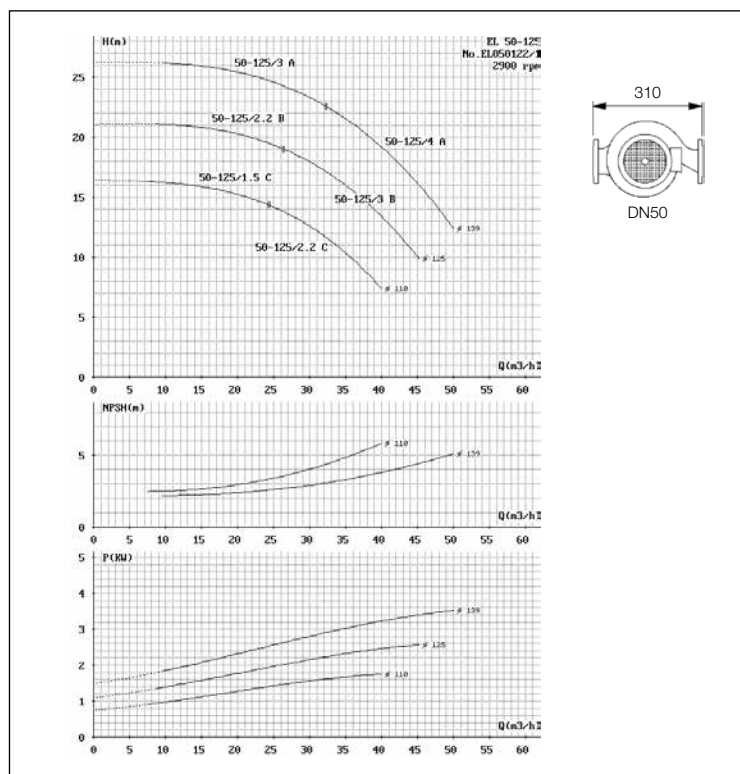
(per ISO 9906 Annex A)

2 Poles

PERFORMANCE CURVES ELINE 50-160

(per ISO 9906 Annex A)

2 Poles



IN-LINE NORMALISED ELECTRIC PUMPS in cast iron

PERFORMANCE CURVES ELINE 50-200

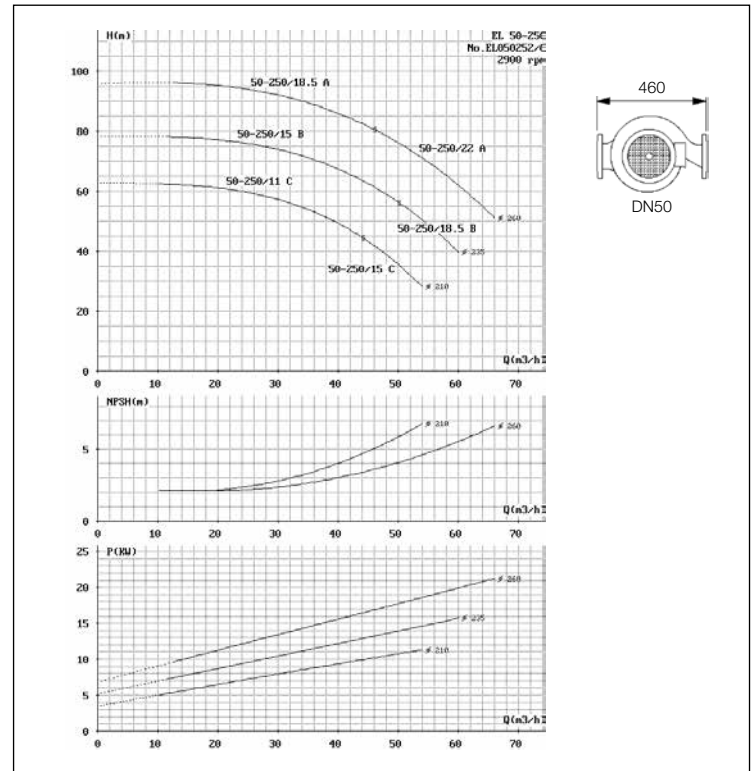
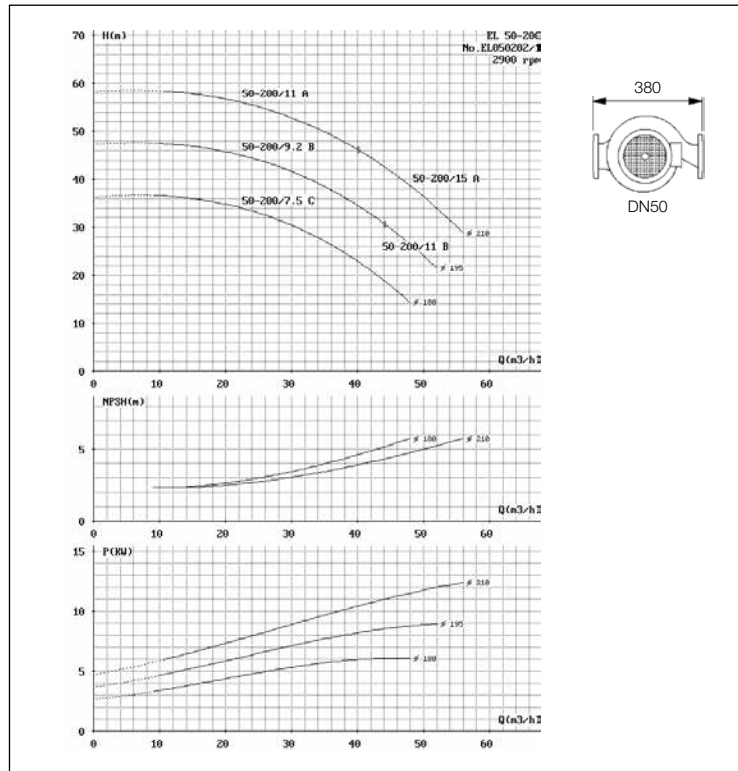
(per ISO 9906 Annex A)

2 Poles

PERFORMANCE CURVES ELINE 50-250

(per ISO 9906 Annex A)

2 Poles



PERFORMANCE CURVES ELINE 65-125

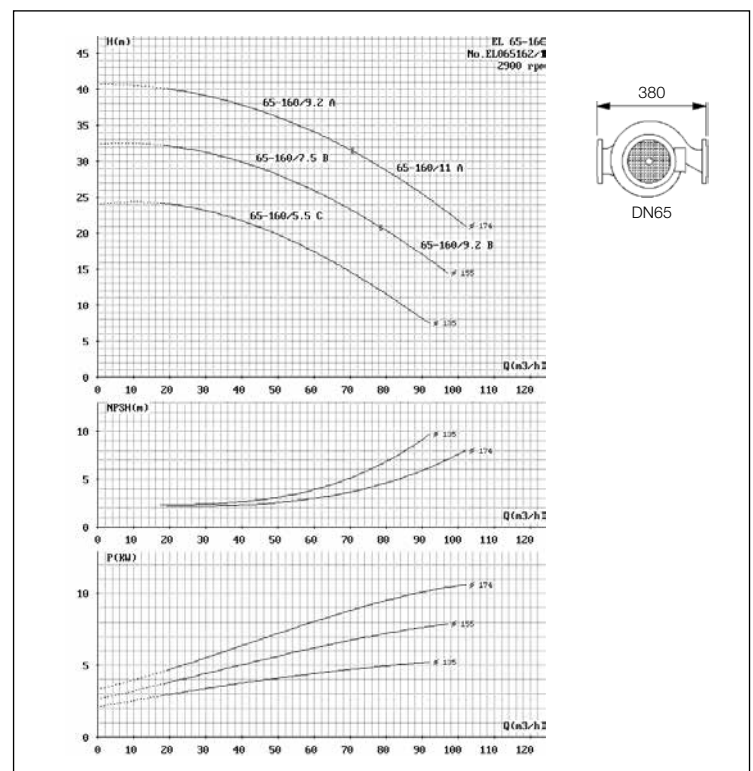
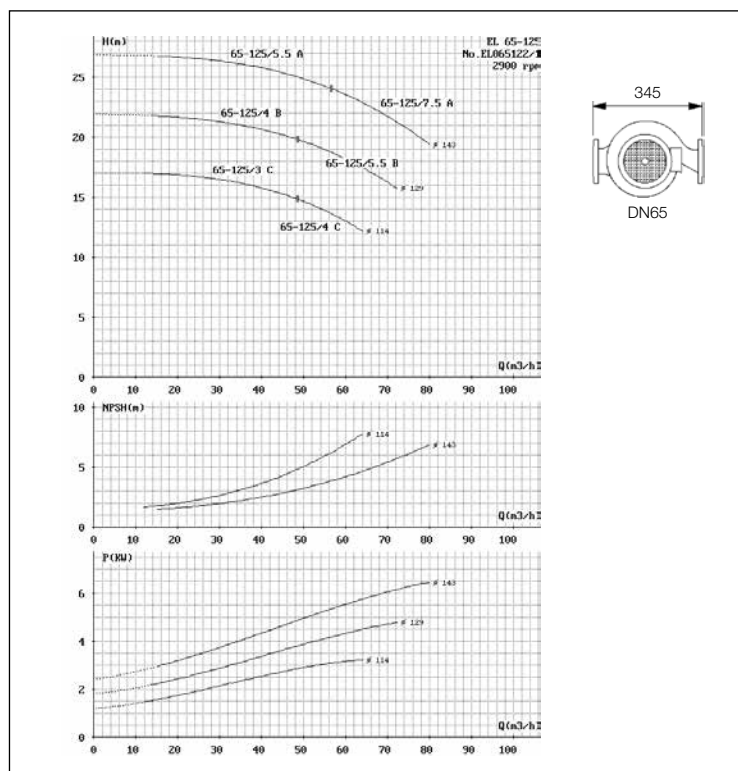
(per ISO 9906 Annex A)

2 Poles

PERFORMANCE CURVES ELINE 65-160

(per ISO 9906 Annex A)

2 Poles

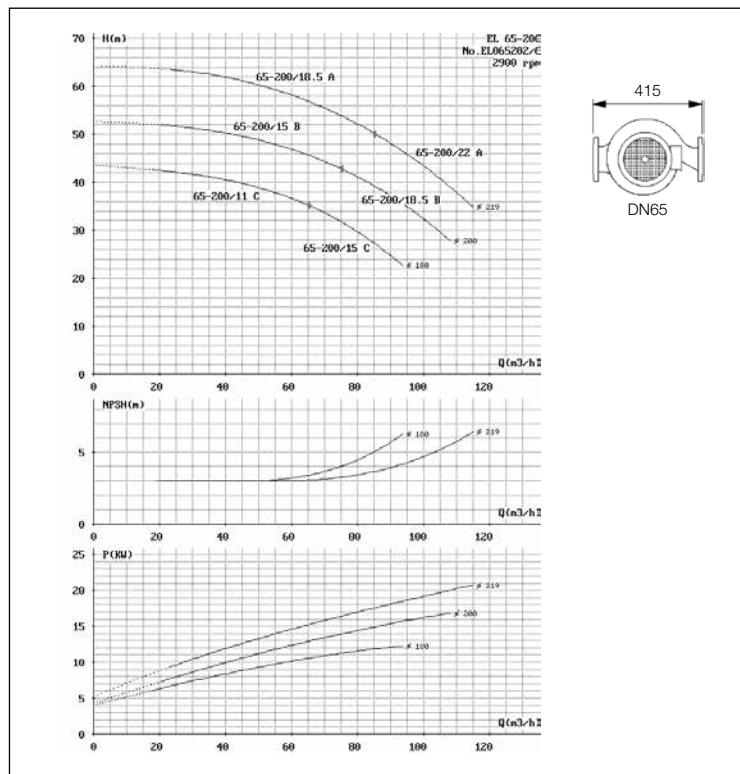


IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

PERFORMANCE CURVES ELINE 65-200

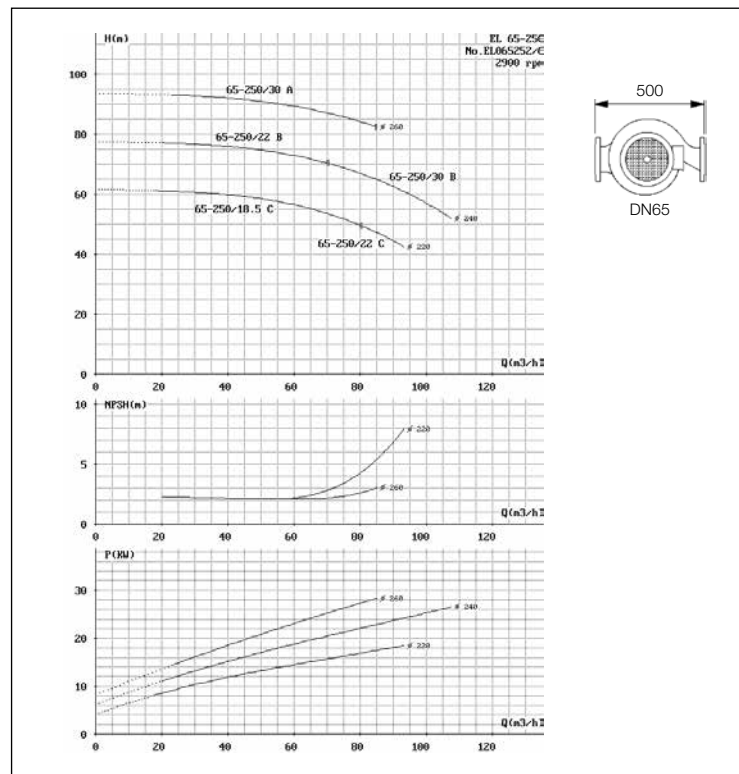
(per ISO 9906 Annex A)



2 Poles

PERFORMANCE CURVES ELINE 65-250

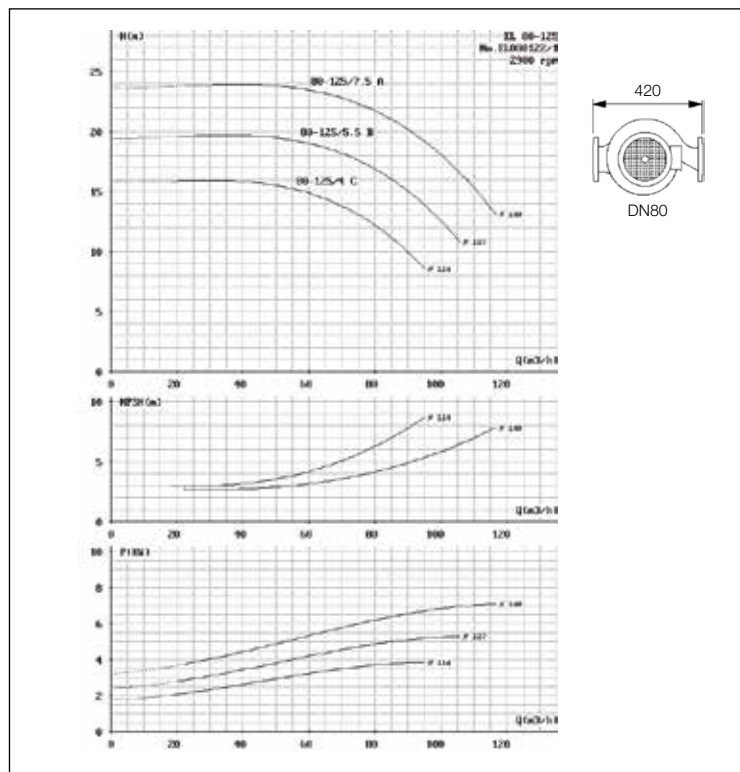
(per ISO 9906 Annex A)



2 Poles

PERFORMANCE CURVES ELINE 80-125

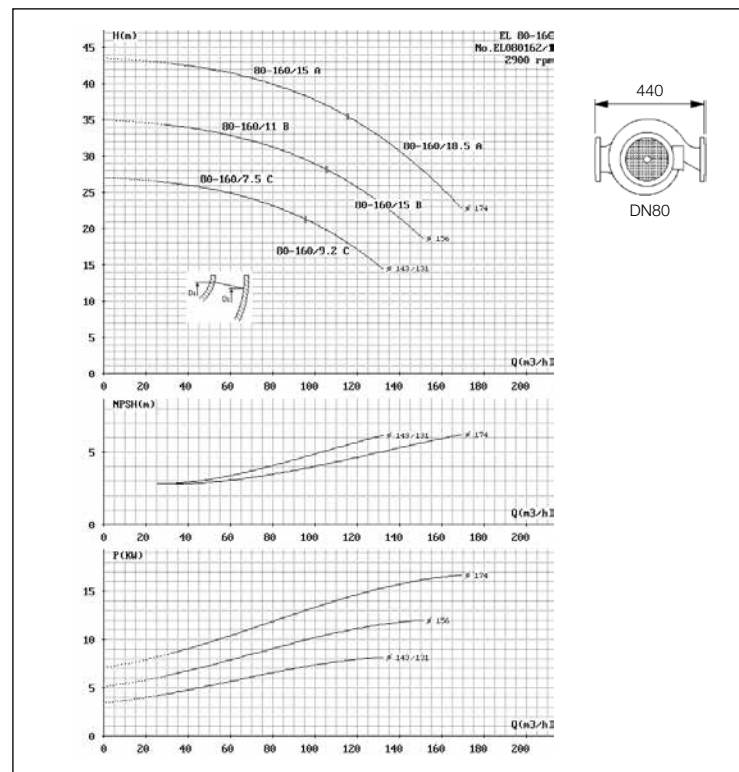
(per ISO 9906 Annex A)



2 Poles

PERFORMANCE CURVES ELINE 80-160

(per ISO 9906 Annex A)



2 Poles

IN-LINE NORMALISED ELECTRIC PUMPS in cast iron

PERFORMANCE CURVES ELINE 80-200

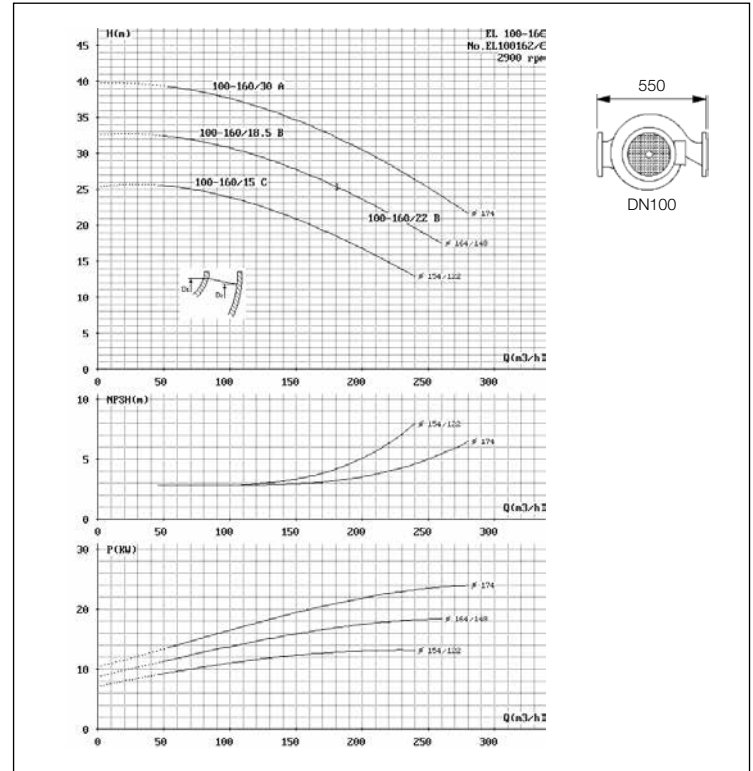
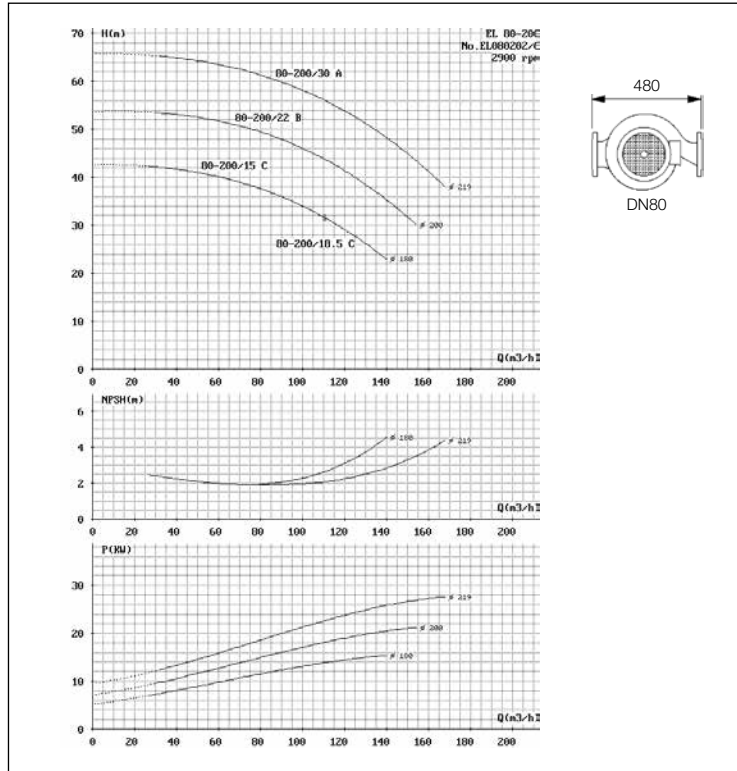
(per ISO 9906 Annex A)

2 Poles

PERFORMANCE CURVES ELINE 100-160

(per ISO 9906 Annex A)

2 Poles



PERFORMANCE CURVES ELINE 100-200

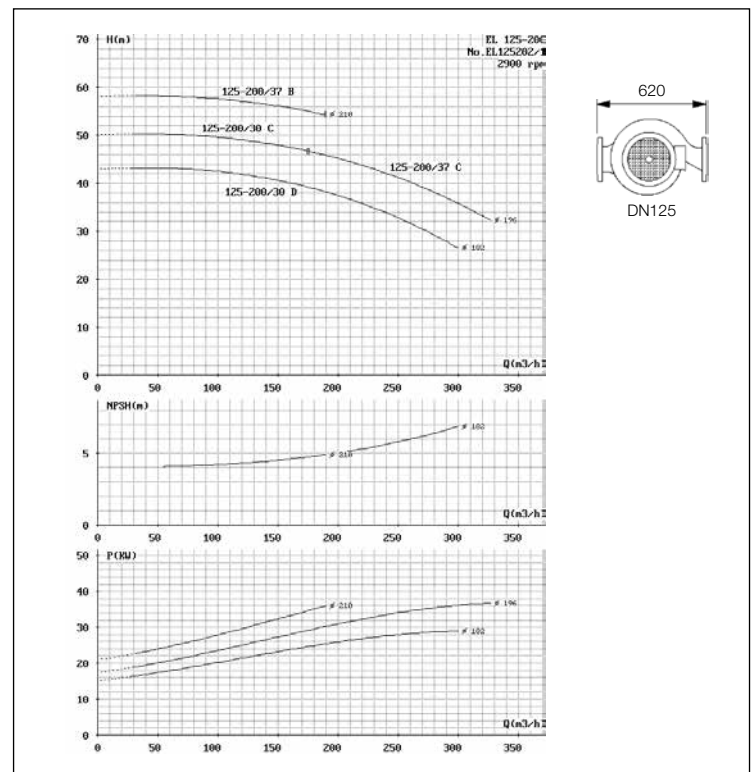
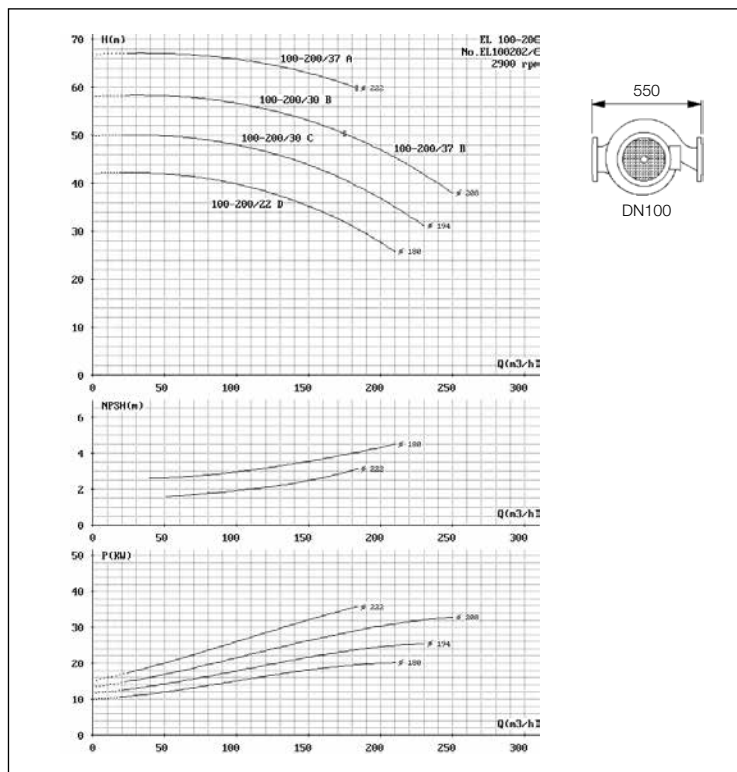
(per ISO 9906 Annex A)

2 Poles

PERFORMANCE CURVES ELINE 125-200

(per ISO 9906 Annex A)

2 Poles

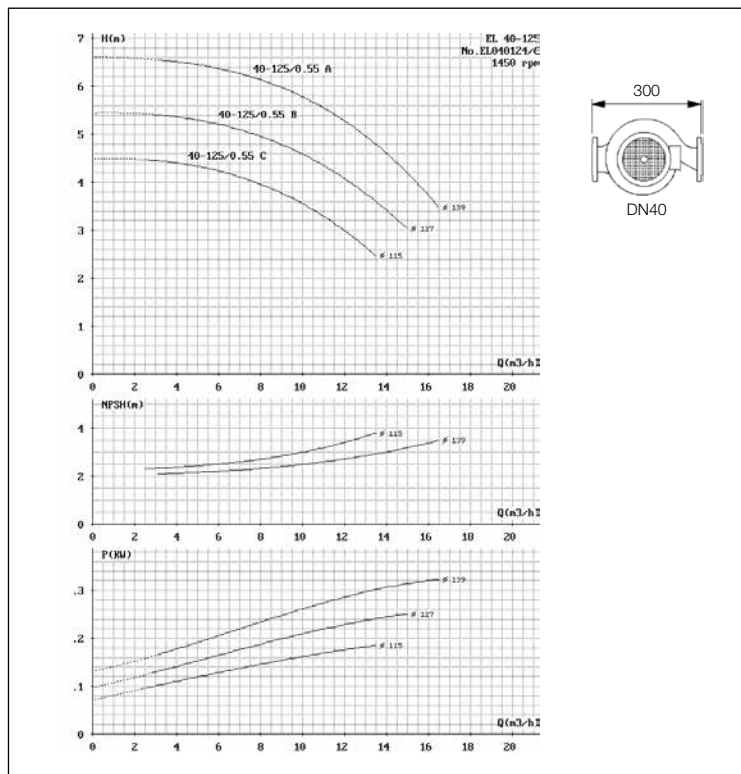


IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

PERFORMANCE CURVES ELINE 4 40-125

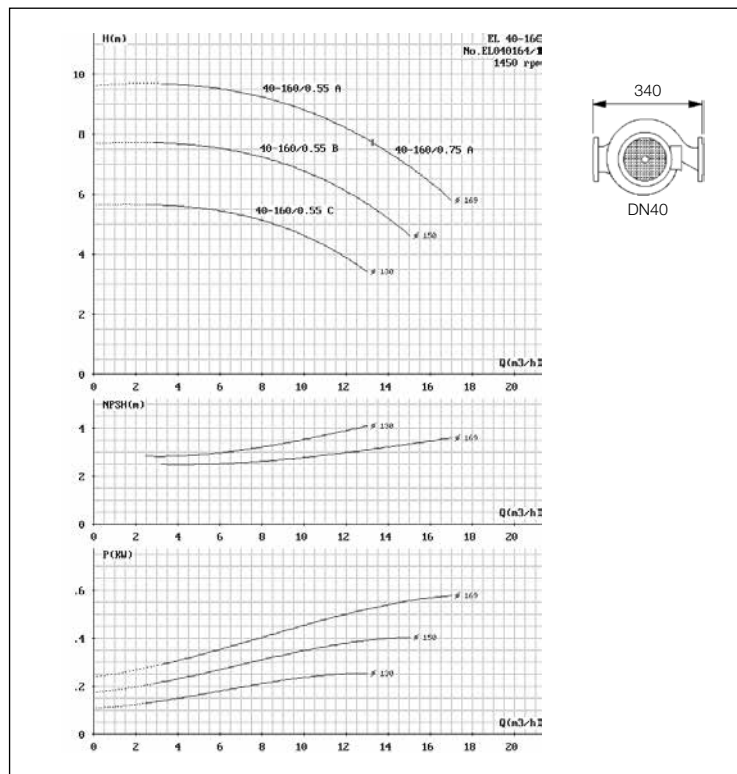
(per ISO 9906 Annex A)



4 Poles

PERFORMANCE CURVES ELINE 4 40-160

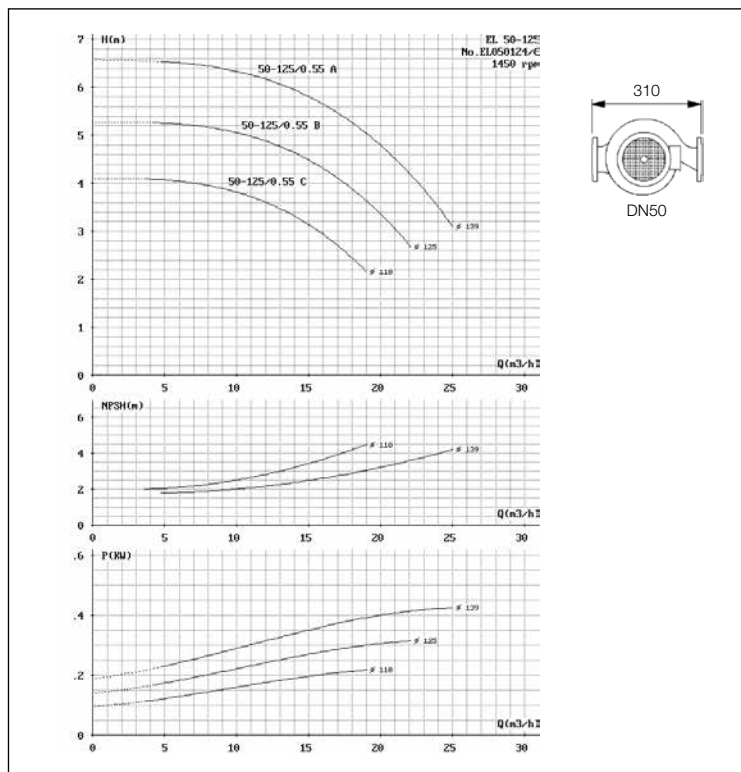
(per ISO 9906 Annex A)



4 Poles

PERFORMANCE CURVES ELINE 4 50-125

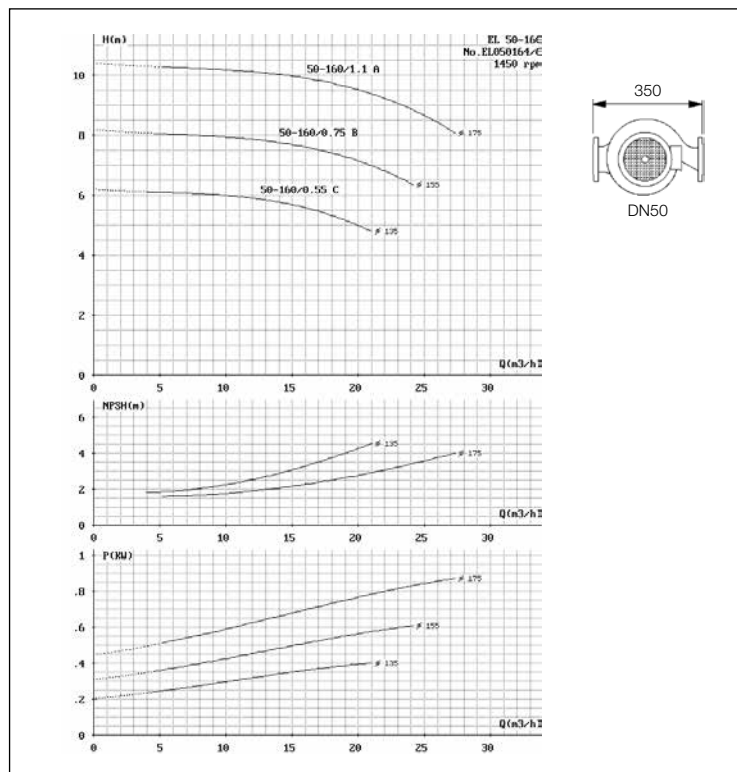
(per ISO 9906 Annex A)



4 Poles

PERFORMANCE CURVES ELINE 4 50-160

(per ISO 9906 Annex A)



4 Poles

IN-LINE NORMALISED ELECTRIC PUMPS in cast iron

PERFORMANCE CURVES ELINE 4 50-200

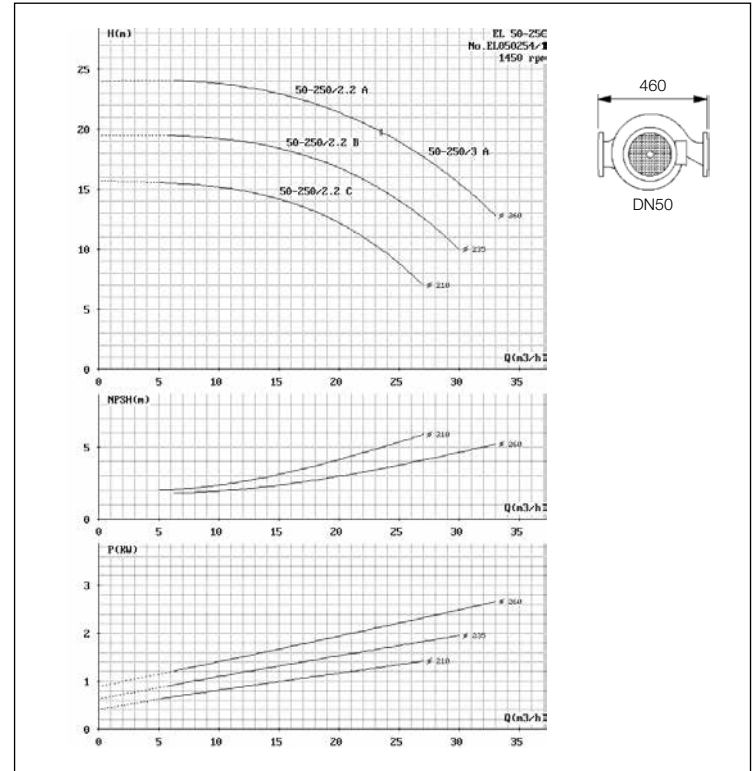
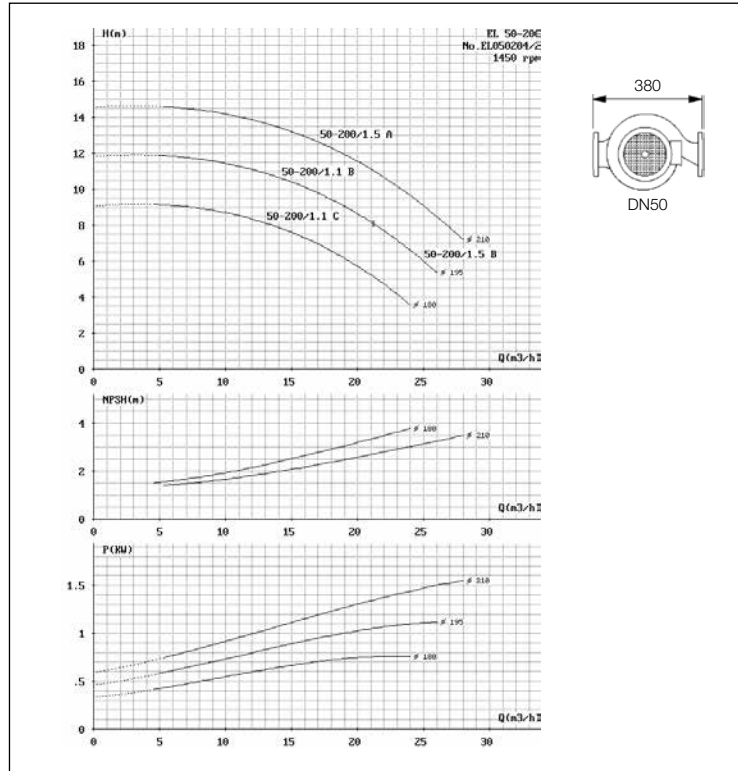
(per ISO 9906 Annex A)

4 Poles

PERFORMANCE CURVES ELINE 4 50-250

(per ISO 9906 Annex A)

4 Poles



PERFORMANCE CURVES ELINE 4 65-125

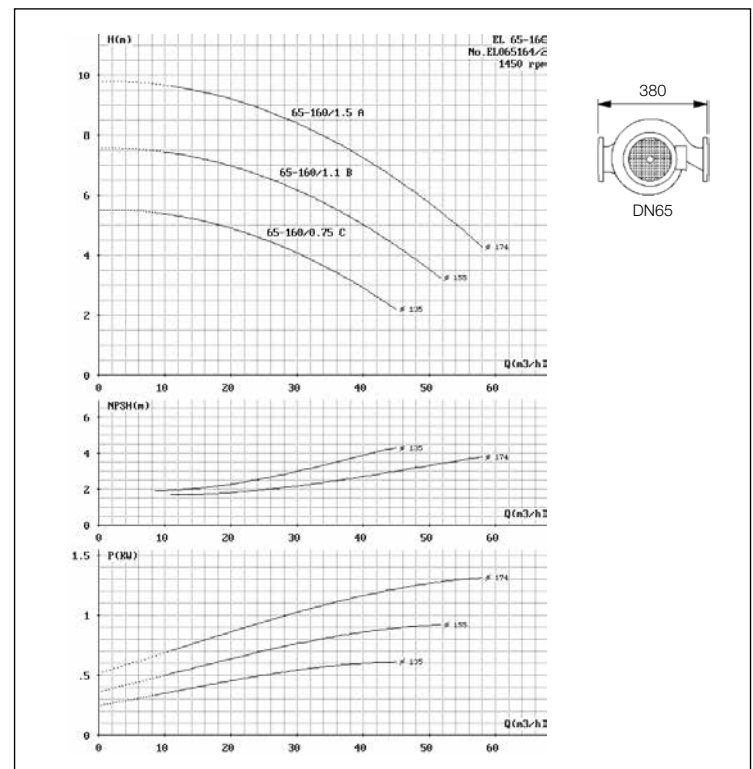
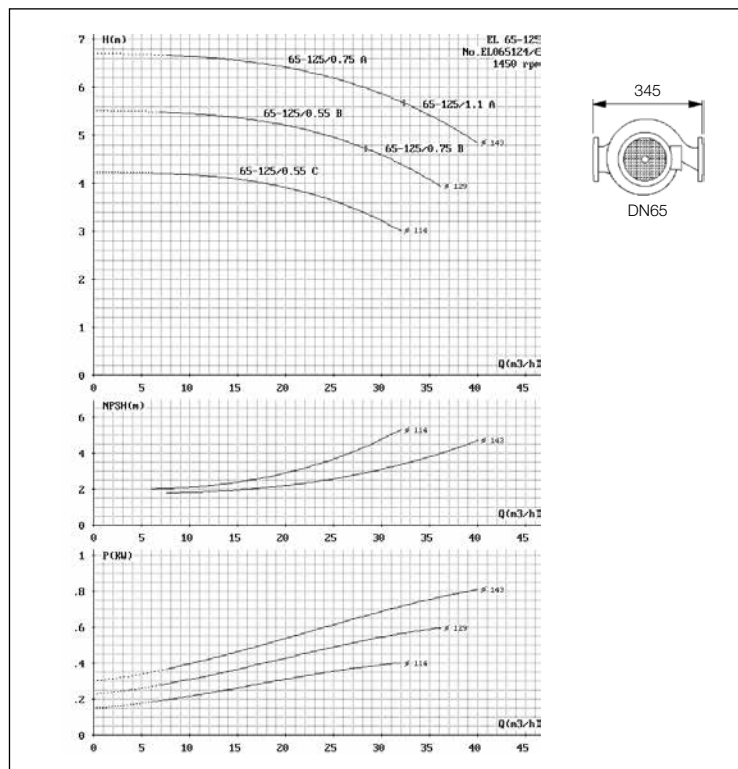
(per ISO 9906 Annex A)

4 Poles

PERFORMANCE CURVES ELINE 4 65-160

(per ISO 9906 Annex A)

4 Poles



IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

PERFORMANCE CURVES ELINE 4 65-200

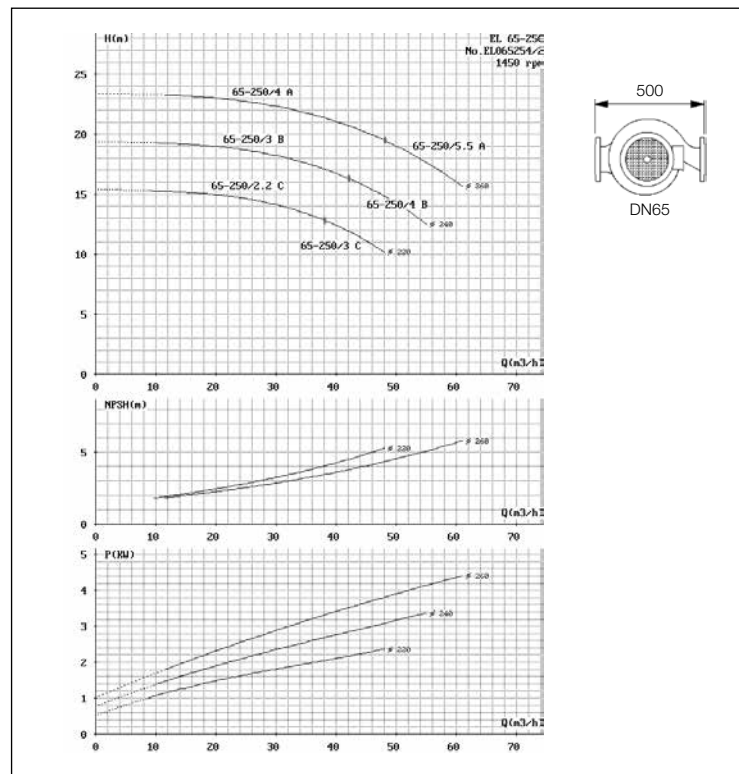
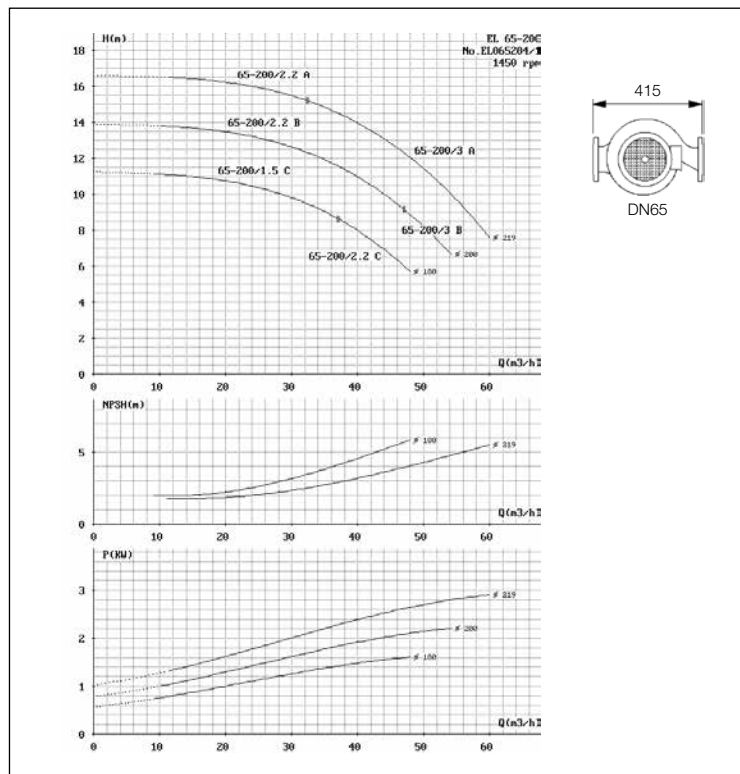
(per ISO 9906 Annex A)

4 Poles

PERFORMANCE CURVES ELINE 4 65-250

(per ISO 9906 Annex A)

4 Poles



PERFORMANCE CURVES ELINE 4 80-125

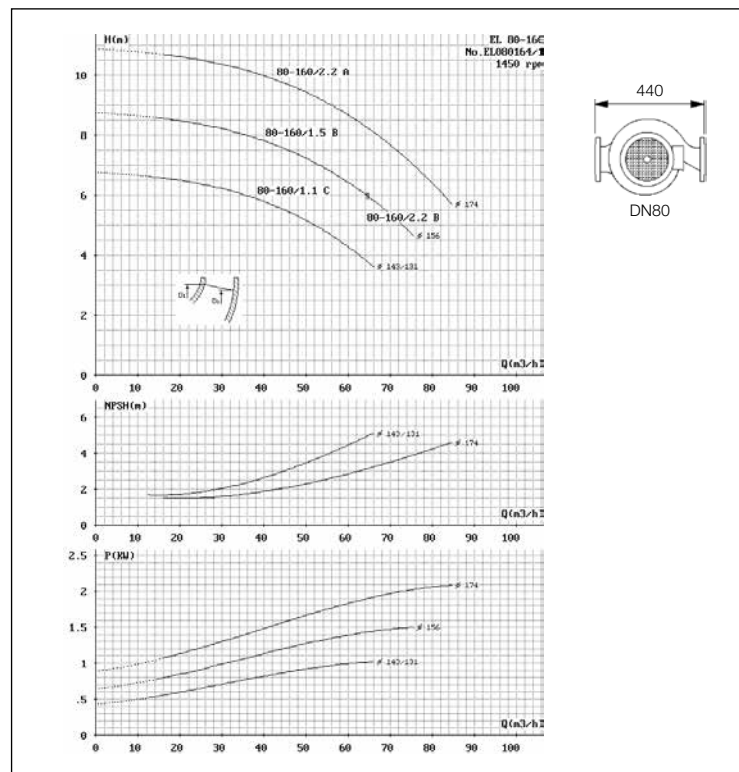
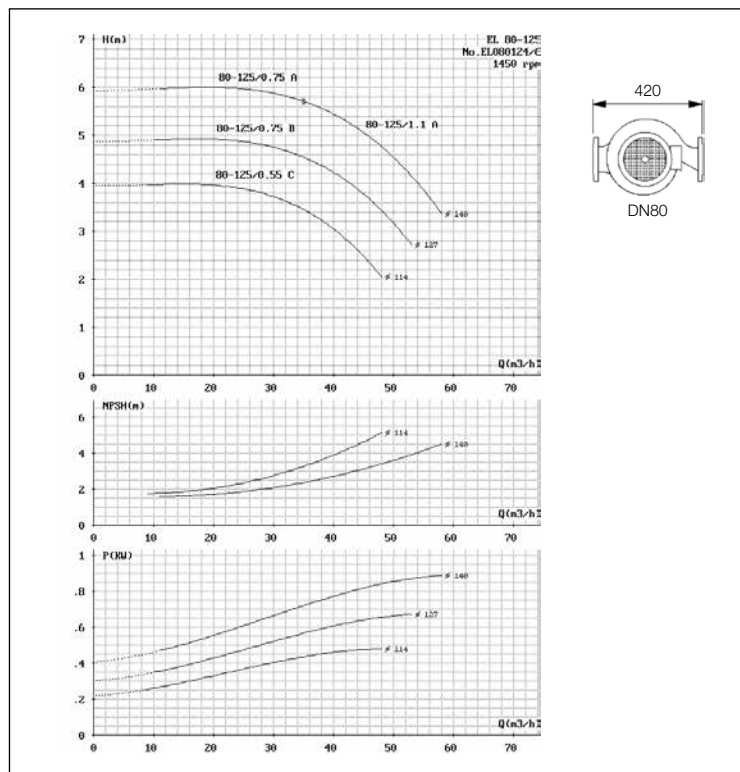
(per ISO 9906 Annex A)

4 Poles

PERFORMANCE CURVES ELINE 4 80-160

(per ISO 9906 Annex A)

4 Poles



IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

PERFORMANCE CURVES ELINE 4 80-200

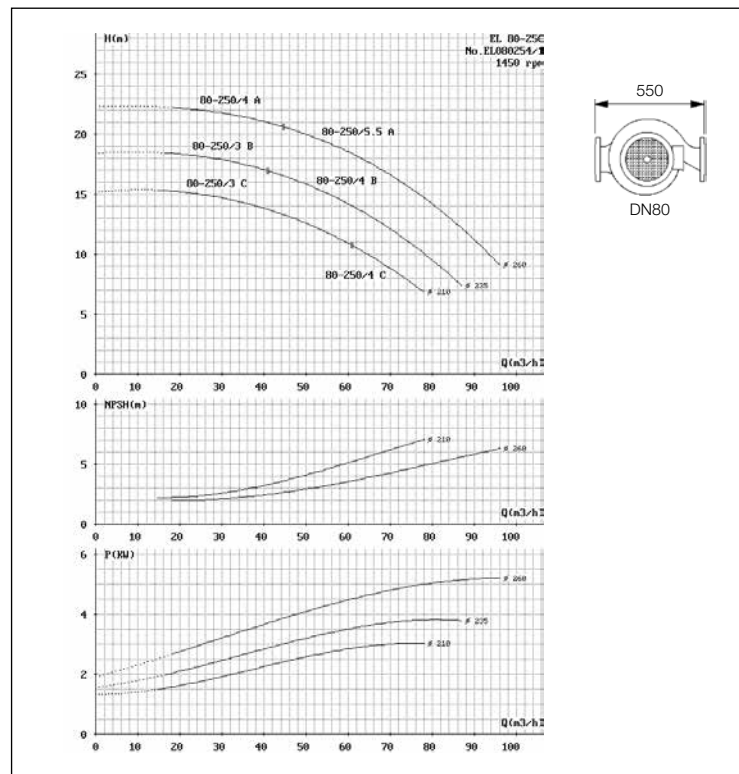
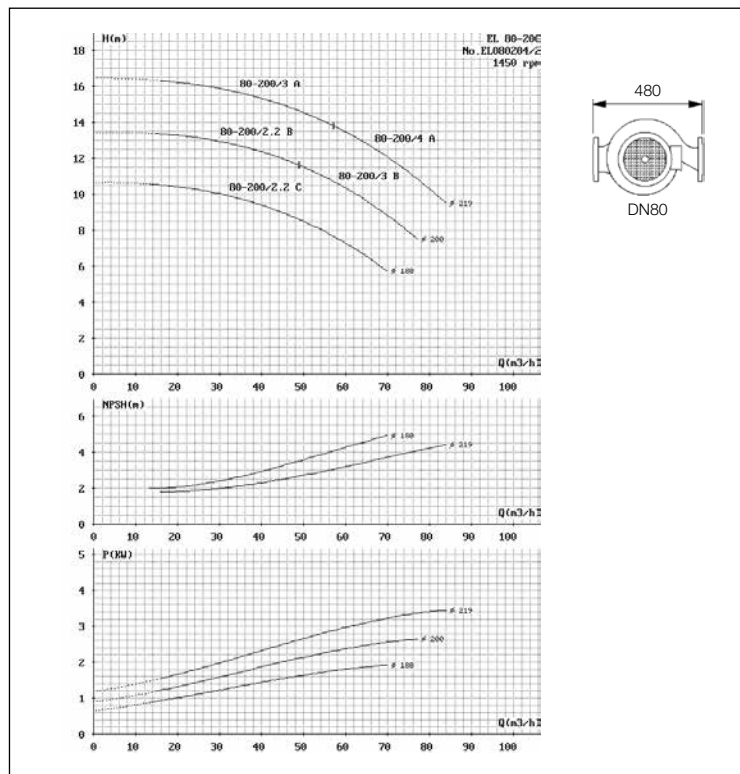
(per ISO 9906 Annex A)

4 Poles

PERFORMANCE CURVES ELINE 4 80-250

(per ISO 9906 Annex A)

4 Poles



PERFORMANCE CURVES ELINE 4 100-160

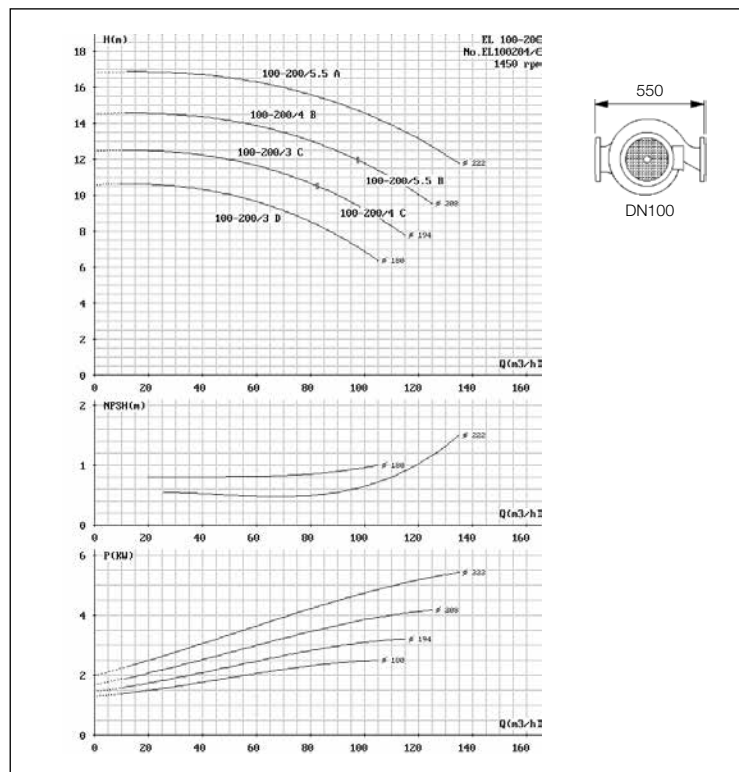
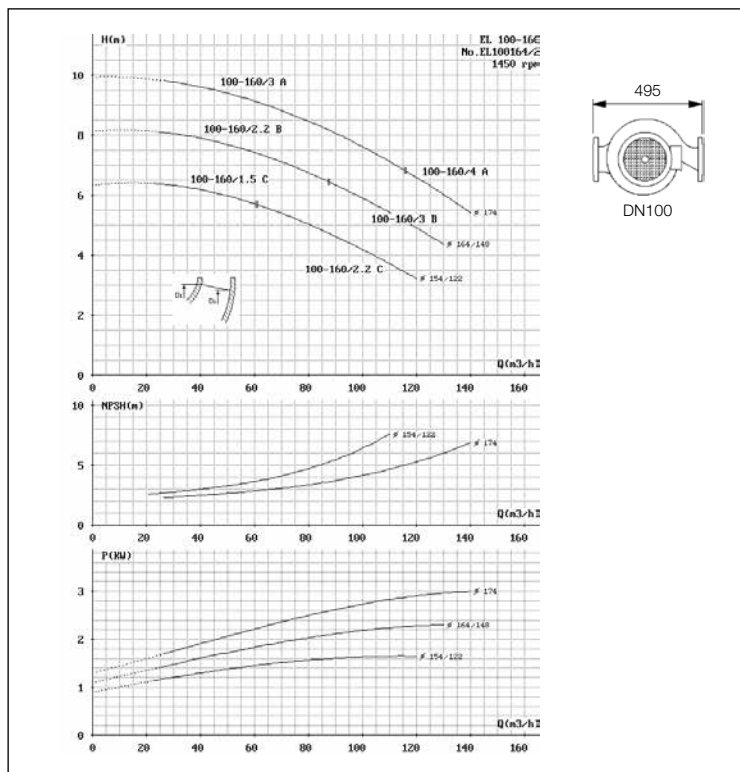
(per ISO 9906 Annex A)

4 Poles

PERFORMANCE CURVES ELINE 4 100-200

(per ISO 9906 Annex A)

4 Poles



IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

PERFORMANCE CURVES ELINE 4 100-250

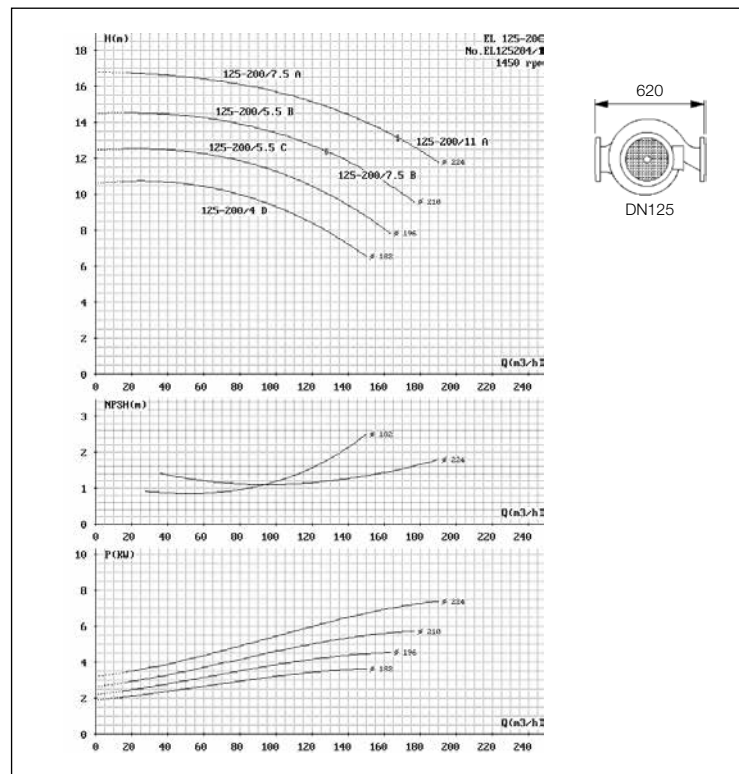
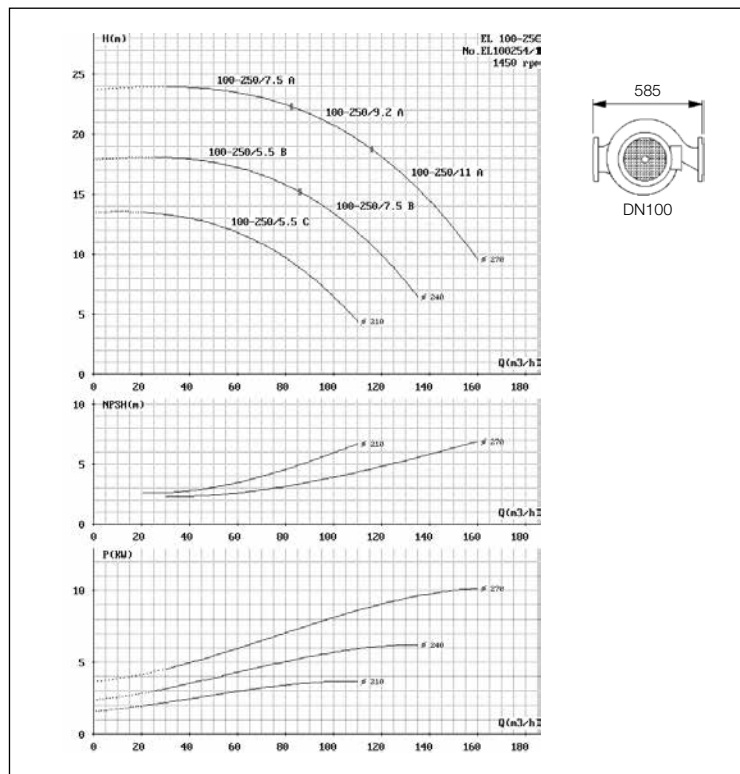
(per ISO 9906 Annex A)

4 Poles

PERFORMANCE CURVES ELINE 4 125-200

(per ISO 9906 Annex A)

4 Poles



PERFORMANCE CURVES ELINE 4 125-250

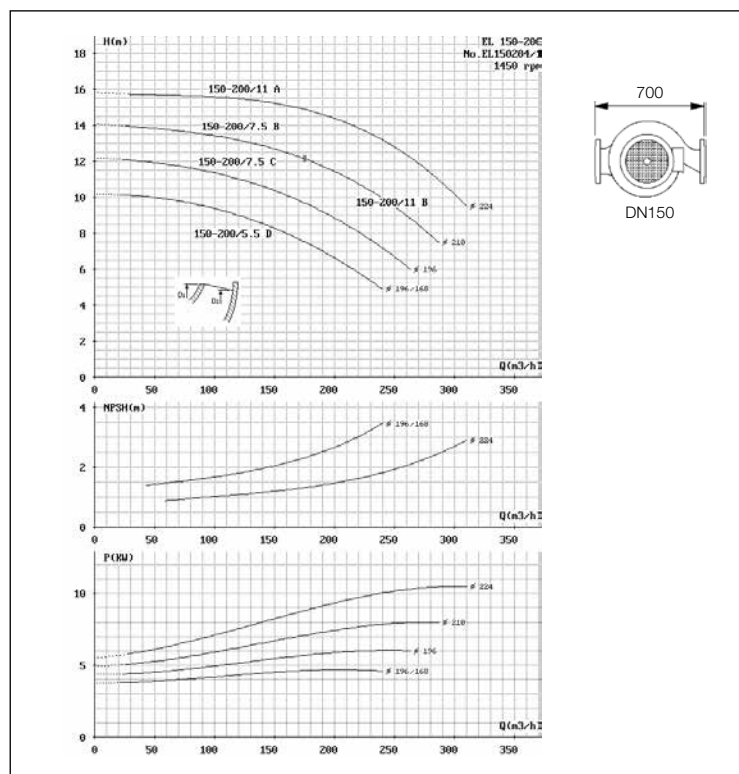
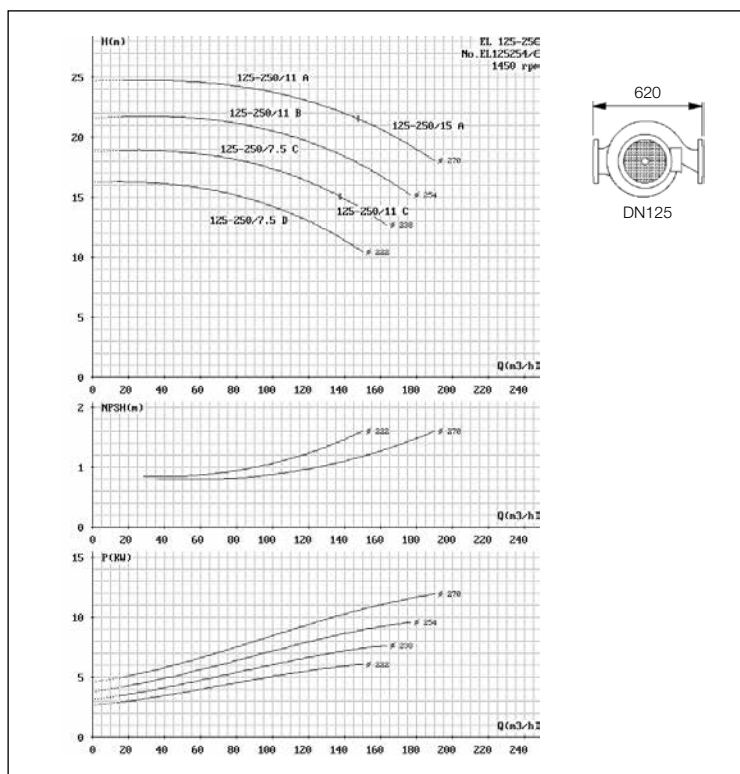
(per ISO 9906 Annex A)

4 Poles

PERFORMANCE CURVES ELINE 4 150-200

(per ISO 9906 Annex A)

4 Poles



IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

PERFORMANCE CURVES ELINE 4 150-250

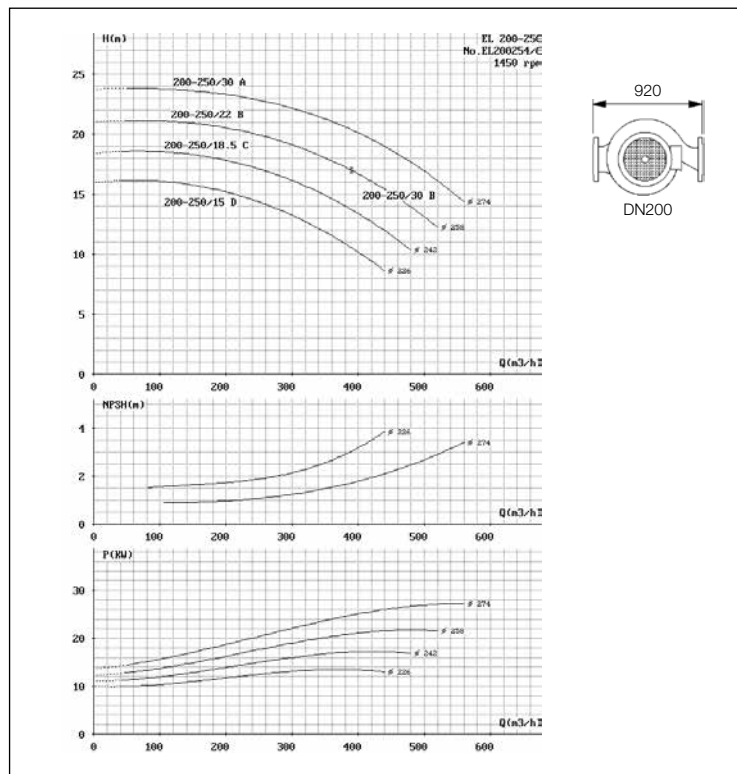
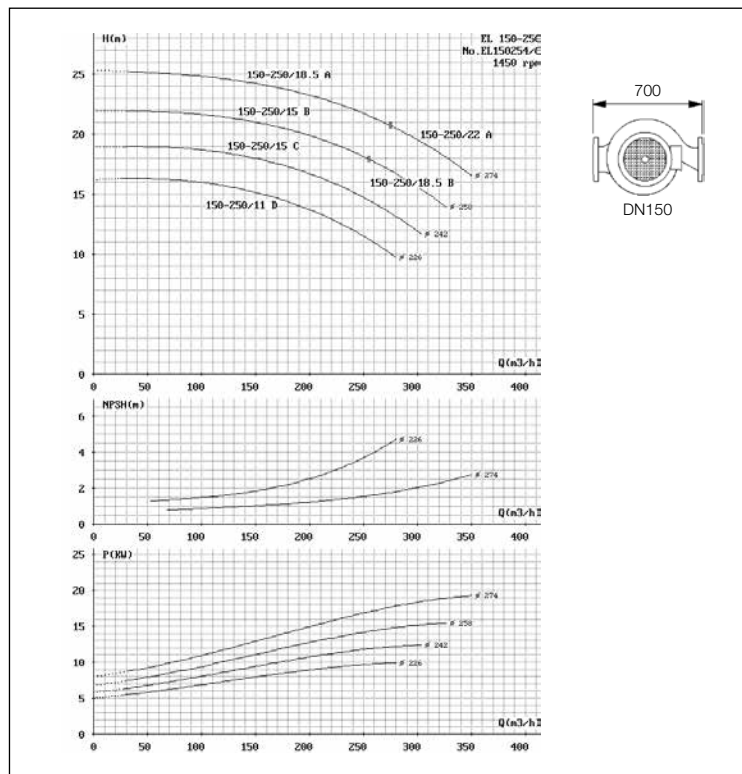
(per ISO 9906 Annex A)

4 Poles

PERFORMANCE CURVES ELINE 4 200-250

(per ISO 9906 Annex A)

4 Poles



IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

DIMENSIONS

2 Poles

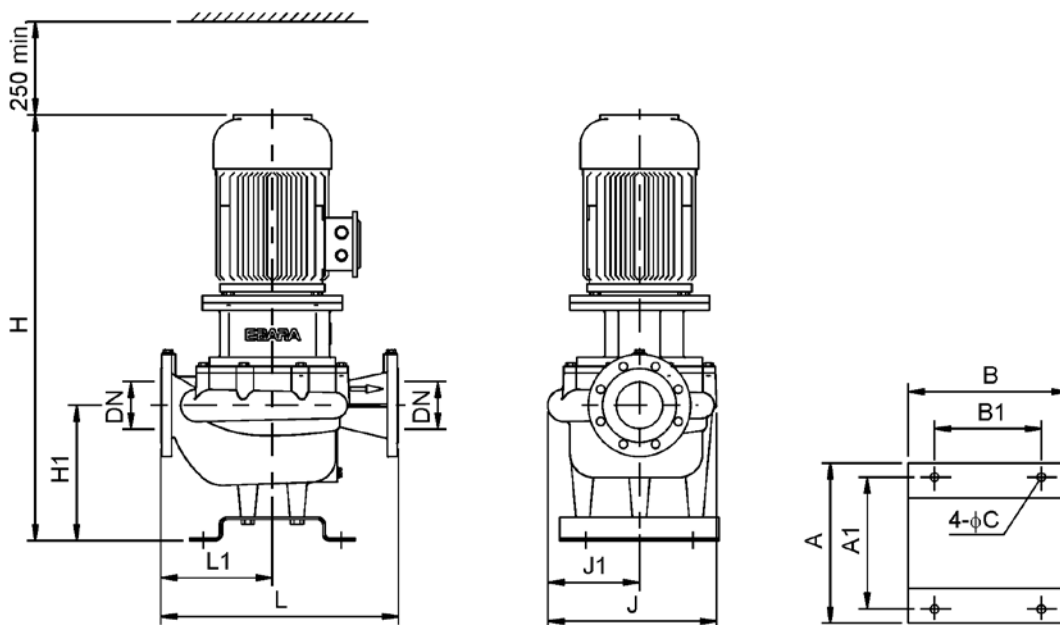


TABLE OF DIMENSIONS

2 Poles

Model	DN	H1	H	L1	L	Dimensions [mm]		A1	A	B1	B	C	Weight [kg]
EL 40-125/1.5	40	135	565	160	300	J1	J	250	300	200	300	15	42
EL 40-125/2.2	40	135	565	160	300	110	220	250	300	200	300	15	45
EL 40-125/3	40	135	635	160	300	125	250	250	300	200	300	15	46
EL 40-160/2.2	40	140	570	180	340	120	230	250	300	200	300	15	45
EL 40-160/3	40	140	640	180	340	125	250	250	300	200	300	15	56
EL 40-160/4	40	140	640	180	340	125	250	250	300	200	300	15	60
EL 40-160/5.5	40	140	725	180	340	150	300	250	300	200	300	15	73
EL 50-125/1.5	50	140	570	170	310	110	220	250	300	200	300	15	42
EL 50-125/2.2	50	140	570	170	310	110	220	250	300	200	300	15	42
EL 50-125/3	50	140	640	170	310	125	250	250	300	200	300	15	56
EL 50-125/4	50	140	640	170	310	125	250	250	300	200	300	15	60
EL 50-160/4	50	145	645	190	350	135	260	250	300	200	300	15	62
EL 50-160/5.5	50	145	730	190	350	150	300	250	300	200	300	15	79
EL 50-160/7.5	50	145	730	190	350	150	300	250	300	200	300	15	84
EL 50-200/7.5	50	145	730	200	380	150	285	250	300	200	300	15	88
EL 50-200/9.2	50	145	730	200	380	150	285	250	300	200	300	15	96
EL 50-200/11	50	145	910	200	380	175	350	440	500	300	500	18	113
EL 50-200/15	50	145	910	200	380	175	350	440	500	300	500	18	122
EL 50-250/11	50	155	920	230	460	175	350	440	500	300	500	18	107
EL 50-250/15	50	155	920	230	460	175	350	440	500	300	500	18	115
EL 50-250/18.5	50	155	920	230	460	175	350	440	500	300	500	18	123
EL 50-250/22	50	155	920	230	460	175	350	440	500	300	500	18	142
EL 65-125/3	65	150	650	185	345	130	255	250	300	200	300	15	56
EL 65-125/4	65	150	650	185	345	130	255	250	300	200	300	15	61
EL 65-125/5.5	65	150	735	185	345	150	300	250	300	200	300	15	78
EL 65-125/7.5	65	150	735	185	345	150	300	250	300	200	300	15	83
EL 65-160/5.5	65	155	740	200	380	150	300	250	300	200	300	15	82
EL 65-160/7.5	65	155	740	200	380	150	300	250	300	200	300	15	87
EL 65-160/9.2	65	155	740	200	380	150	300	250	300	200	300	15	94
EL 65-160/11	65	155	740	200	380	150	300	250	300	200	300	15	106
EL 65-200/15	65	160	925	215	415	175	350	440	500	300	500	18	111
EL 65-200/18.5	65	160	925	215	415	175	350	440	500	300	500	18	119
EL 65-200/22	65	160	925	215	415	175	350	440	500	300	500	18	138
EL 65-250/18.5	65	165	930	255	500	185	360	440	500	300	500	18	128
EL 65-250/22	65	165	930	255	500	185	360	440	500	300	500	18	147
EL 65-250/30	65	165	930	255	500	185	360	440	500	300	500	18	174

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

TABLE OF DIMENSIONS

2 Poles

Model	Dimensions [mm]												Weight [kg]
	DN	H1	H	L1	L	J1	J	A1	A	B1	B	C	
EL 80-125/4	80	155	655	240	420	150	275	250	300	200	300	15	69
EL 80-125/5.5	80	155	740	240	420	150	300	250	300	200	300	15	86
EL 80-125/7.5	80	155	740	240	420	150	300	250	300	200	300	15	91
EL 80-160/7.5	80	170	755	240	440	155	305	250	300	200	300	15	95
EL 80-160/9.2	80	170	755	240	440	155	305	250	300	200	300	15	102
EL 80-160/11	80	170	935	240	440	175	350	440	500	300	500	18	118
EL 80-160/15	80	170	935	240	440	175	350	440	500	300	500	18	126
EL 80-160/18.5	80	170	935	240	440	175	350	440	500	300	500	18	138
EL 80-200/15	80	170	935	255	480	175	350	440	500	300	500	18	131
EL 80-200/18.5	80	170	935	255	480	175	350	440	500	300	500	18	143
EL 80-200/22	80	170	935	255	480	175	350	440	500	300	500	18	162
EL 80-200/30	80	170	1010	255	480	200	400	440	500	300	500	18	191
EL 100-160/15	100	195	960	270	495	175	350	440	500	300	500	18	134
EL 100-160/18.5	100	195	960	270	495	175	350	440	500	300	500	18	146
EL 100-160/22	100	195	960	270	495	175	350	440	500	300	500	18	165
EL 100-160/30	100	195	1035	270	495	200	400	440	500	300	500	18	194
EL 100-200/22	100	290	1020	275	550	190	365	440	500	300	500	18	191
EL 100-200/30	100	290	1095	275	550	200	400	440	500	300	500	18	220
EL 100-200/37	100	290	1095	275	550	200	400	440	500	300	500	18	238
EL 125-200/30	125	290	1095	340	620	205	405	440	500	300	500	18	244
EL 125-200/37	125	290	1095	340	620	205	405	440	500	300	500	18	262

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

DIMENSIONS

4 Poles

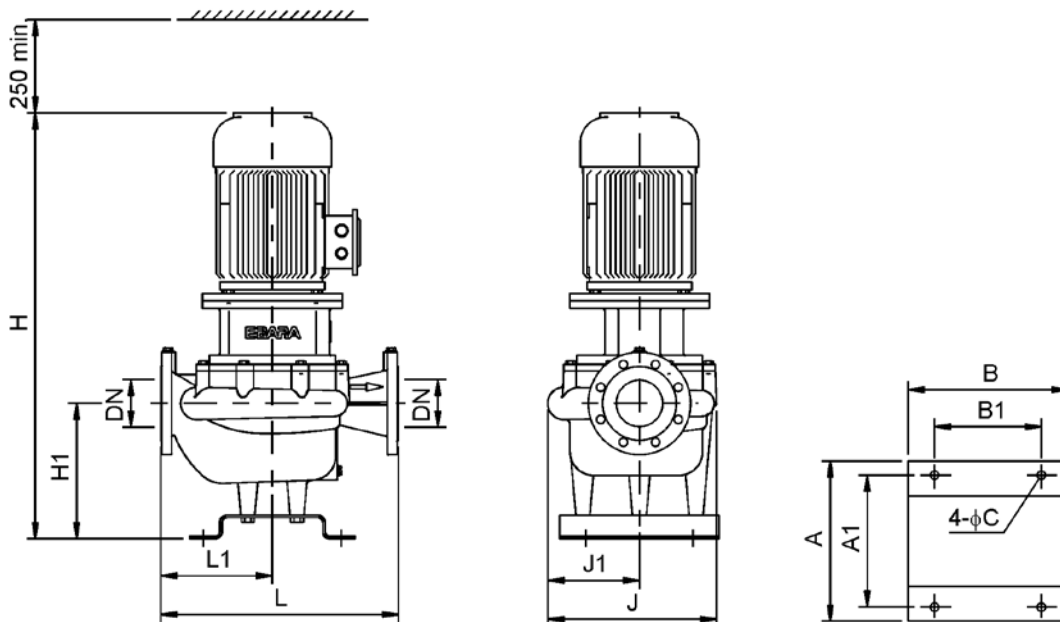


TABLE OF DIMENSIONS

4 Poles

Model	Dimensions [mm]												Weight [kg]
	DN	H1	H	L1	L	J1	J	A1	A	B1	B	C	
EL4 40-125/0.55	40	135	525	160	300	110	220	250	300	200	300	15	38
EL4 40-160/0.55	40	140	530	180	340	120	230	250	300	200	300	15	38
EL4 40-160/0.75	40	140	530	180	340	120	230	250	300	200	300	15	40
EL4 50-125/0.55	50	140	530	170	310	110	220	250	300	200	300	15	38
EL4 50-160/0.55	50	145	535	190	350	135	255	250	300	200	300	15	43
EL4 50-160/0.75	50	145	535	190	350	135	255	250	300	200	300	15	45
EL4 50-160/1.1	50	145	575	190	350	135	255	250	300	200	300	15	48
EL4 50-200/1.1	50	145	575	200	380	150	285	250	300	200	300	15	55
EL4 50-200/1.5	50	145	575	200	380	150	285	250	300	200	300	15	57
EL4 50-250/2.2	50	155	655	230	460	170	340	250	300	200	300	15	73
EL4 50-250/3	50	155	655	230	460	170	340	250	300	200	300	15	77
EL4 65-125/0.55	65	150	540	185	345	130	250	250	300	200	300	15	42
EL4 65-125/0.75	65	150	540	185	345	130	250	250	300	200	300	15	44
EL4 65-125/1.1	65	150	580	185	345	130	250	250	300	200	300	15	47
EL4 65-160/0.75	65	155	545	200	380	145	270	250	300	200	300	15	48
EL4 65-160/1.1	65	155	585	200	380	145	270	250	300	200	300	15	51
EL4 65-160/1.5	65	155	585	200	380	145	270	250	300	200	300	15	53
EL4 65-160/2.2	65	155	655	200	380	145	270	250	300	200	300	15	56
EL4 65-200/1.5	65	160	590	215	415	165	310	250	300	200	300	15	62
EL4 65-200/2.2	65	160	660	215	415	165	310	250	300	200	300	15	68
EL4 65-200/3	65	160	660	215	415	165	310	250	300	200	300	15	73
EL4 65-250/2.2	65	165		255	500	185	355	250	300	200	300	15	78
EL4 65-250/3	65	165	665	255	500	185	355	250	300	200	300	15	82
EL4 65-250/4	65	165	665	255	500	185	355	250	300	200	300	15	88
EL4 65-250/5.5	65	165	745	255	500	185	355	250	300	200	300	15	99
EL4 80-125/0.55	80	155	545	240	420	150	270	250	300	200	300	15	50
EL4 80-125/0.75	80	155	545	240	420	150	270	250	300	200	300	15	52
EL4 80-125/1.1	80	155	585	240	420	150	270	250	300	200	300	15	55
EL4 80-160/1.1	80	170	600	240	440	155	285	250	300	200	300	15	59
EL4 80-160/1.5	80	170	600	240	440	155	285	250	300	200	300	15	61
EL4 80-160/2.2	80	170	670	240	440	155	285	250	300	200	300	15	68
EL4 80-200/2.2	80	170	670	255	480	175	325	250	300	200	300	15	73
EL4 80-200/3	80	170	670	255	480	175	325	250	300	200	300	15	77
EL4 80-200/4	80	170	670	255	480	175	325	250	300	200	300	15	83
EL4 80-250/3	80	185	695	280	550	195	370	250	300	200	300	15	82
EL4 80-250/4	80	185	695	280	550	195	370	250	300	200	300	15	88
EL4 80-250/5.5	80	185	795	280	550	195	370	250	300	200	300	15	99

IN-LINE NORMALISED ELECTRIC PUMPS

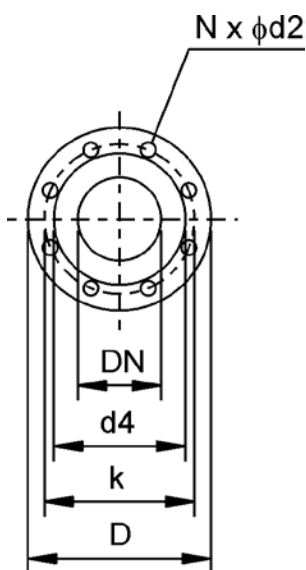
in cast iron

TABLE OF DIMENSIONS

4 Poles

Model	Dimensions [mm]												Weight [kg]
	DN	H1	H	L1	L	J1	J	A1	A	B1	B	C	
EL4 100-160/1.5	100	195	625	270	495	175	315	250	300	200	300	15	70
EL4 100-160/2.2	100	195	695	270	495	175	315	250	300	200	300	15	77
EL4 100-160/3	100	195	695	270	495	175	315	250	300	200	300	15	81
EL4 100-160/4	100	195	695	270	495	175	315	250	300	200	300	15	86
EL4 100-200/3	100	290	825	275	550	190	345	250	300	200	300	15	106
EL4 100-200/4	100	290	825	275	550	190	345	250	300	200	300	15	112
EL4 100-200/5.5	100	290	910	275	550	190	345	250	300	200	300	15	125
EL4 100-250/5.5	100	185	790	290	585	215	400	250	300	200	300	15	121
EL4 100-250/7.5	100	185	790	290	585	215	400	250	300	200	300	15	132
EL4 100-250/9.2	100	185	790	290	585	215	400	250	300	200	300	15	138
EL4 100-250/11	100	185	950	290	585	215	400	440	500	300	500	18	183
EL4 125-200/4	125	290	825	340	620	205	365	250	300	200	300	15	139
EL4 125-200/5.5	125	290	910	340	620	205	365	250	300	200	300	15	149
EL4 125-200/7.5	125	290	910	340	620	205	365	250	300	200	300	15	159
EL4 125-200/11	125	290	1020	340	620	205	380	440	500	300	500	18	184
EL4 125-250/7.5	125	290	905	340	620	220	405	250	300	200	300	15	165
EL4 125-250/11	125	290	1015	340	620	220	405	440	500	300	500	18	190
EL4 125-250/15	125	290	1015	340	620	220	405	440	500	300	500	18	203
EL4 150-200/5.5	150	315	935	370	700	245	430	250	300	200	300	15	183
EL4 150-200/7.5	150	315	935	370	700	245	430	250	300	200	300	15	193
EL4 150-200/11	150	315	1045	370	700	245	430	440	500	300	500	18	218
EL4 150-250/11	150	315	1040	370	700	255	460	440	500	300	500	18	275
EL4 150-250/15	150	315	1040	370	700	255	460	440	500	300	500	18	288
EL4 150-250/18.5	150	315	1040	370	700	255	460	440	500	300	500	18	311
EL4 150-250/22	150	315	1115	370	700	255	460	440	500	300	500	18	347
EL4 200-250/15	200	340	1065	470	920	290	515	440	500	300	500	18	294
EL4 200-250/18.5	200	340	1065	470	920	290	515	440	500	300	500	18	317
EL4 200-250/22	200	340	1140	470	920	290	515	440	500	300	500	18	312
EL4 200-250/30	200	340	1140	470	920	290	515	440	500	300	500	18	342

FLANGE DIMENSIONS

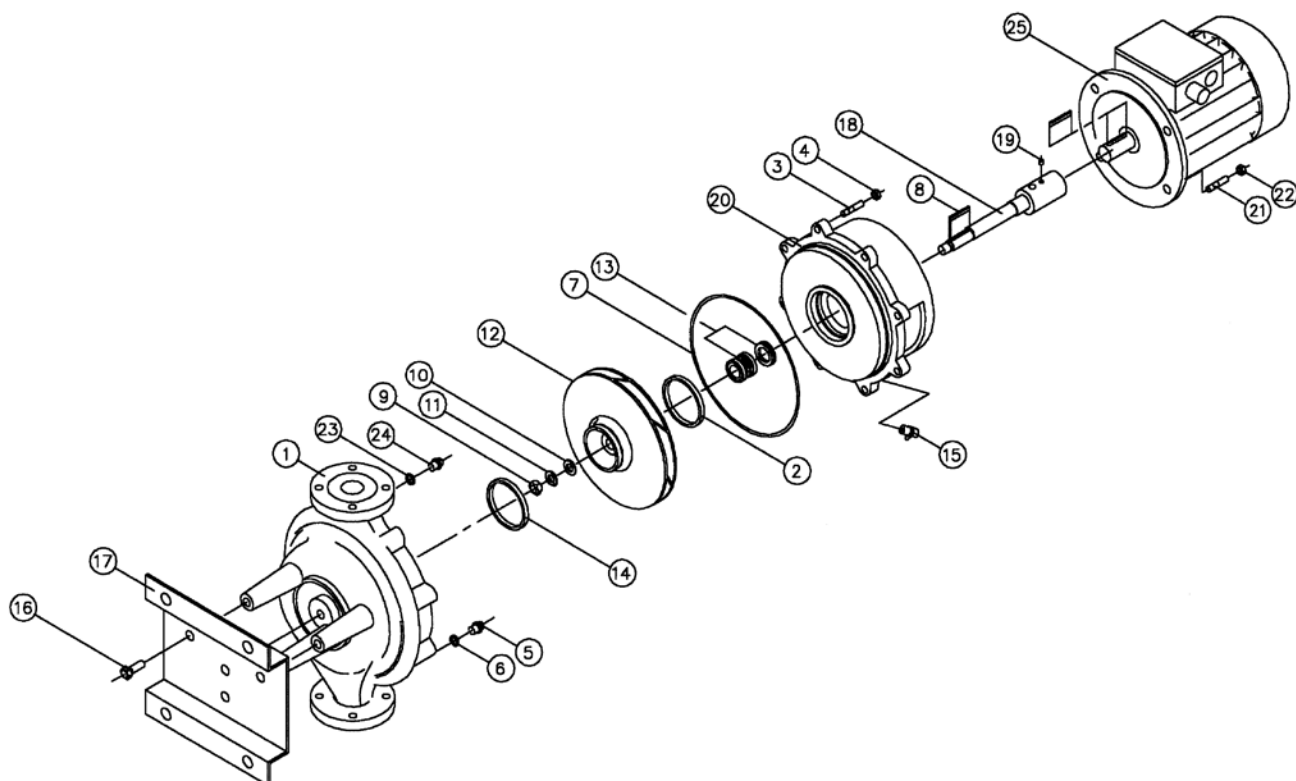


DN	d4	DIN 2532 PN10			N x d2
		k	D		
40	88	110	150		4 x 18
50	102	125	165		4 x 18
65	122	145	185		4 x 18
80	138	160	200		8 x 18
100	158	180	220		8 x 18
125	188	210	250		8 x 18
150	212	240	285		8 x 22
200	268	295	340		8 x 22

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

SECTIONAL VIEW



MATERIALS TABLE

Ref.	Name	Material	Ref.	Name	Material
1	Pump body	Cast iron (GG-25)	14	Clearance ring (suction side)	Cast iron (GG-25)
2	Clearance ring (delivery side)	Cast iron (GG-25)	15	Air vent	Brass
3	Lantern mounting bolt	DIN 939 5.6	16	Basement mounting bolts	DIN 933 5.6
4	Lantern mounting nut	DIN 934 Zinc	17	Base	AE-275CUNE3608
5	Pressure gauge mounting cap	DIN 910	18	Shaft	Stainless steel (AISI 316)
6	O-Ring for pressure gauge cap	Aluminium	19	Set of bolts	DIN 916 A2
7	Lantern gasket	BELPA CSA-25	20	Lantern	Cast iron (GG-25)
8	Impeller key	DIN 6885 X5CRNIMO18-10	21	Lantern motor mounting bolts	DIN 939 5.6
9	Impeller nut	Brass	22	Lantern motor mounting nuts	DIN 934
10	Impeller nut washer	DIN 127 A2	23	Pressure gauge cap gasket (optional)	DIN 910
11	Impeller washer	DIN 125 300HV	24	Pressure gauge cap (optional)	Aluminium
12	Impeller	Cast iron (GG-20)	25	Motor	-
13	Mechanical seal	Carbon-Ceramic			

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

ELECTRICAL DATA TABLE

2 Poles

Model Three phase 230/400V 400/690V	P ₂ [HP] [kW]		Motor	Efficiency (%) Three phase η %	cosΦ	Absorbed current [A] Three phase 400V
EL 40-125/1.5	2	1.5	90S	84.5	0.83	3.09
EL 40-125/2.2	3	2.2	90L	86.3	0.83	4.43
EL 40-125/3	4	3	100L	87.3	0.86	5.77
EL 40-160/2.2	3	2.2	90L	86.3	0.83	4.43
EL 40-160/3	4	3	100L	87.3	0.86	5.77
EL 40-160/4	5.5	4	112M	88.4	0.86	7.59
EL 40-160/5.5	7.5	5.5	132S	89.4	0.84	10.6
EL 50-125/1.5	2	1.5	90S	84.5	0.83	3.09
EL 50-125/2.2	3	2.2	90L	86.3	0.83	4.43
EL 50-125/3	4	3	100L	87.3	0.86	5.77
EL 50-125/4	5.5	4	112M	88.4	0.86	7.59
EL 50-160/4	5.5	4	112M	88.4	0.86	7.59
EL 50-160/5.5	7.5	5.5	132S	89.4	0.84	10.6
EL 50-160/7.5	10	7.5	132S	90.3	0.85	14.1
EL 50-200/7.5	10	7.5	132S	90.3	0.85	14.1
EL 50-200/9.2	12.5	9.2	132M	90.7	0.88	16.6
EL 50-200/11	15	11	160M	91.4	0.87	20.0
EL 50-200/15	20	15	160M	92.1	0.85	27.7
EL 50-250/11	15	11	160M	91.4	0.87	20.0
EL 50-250/15	20	15	160M	92.1	0.85	27.7
EL 50-250/18.5	25	18.5	160L	92.6	0.85	33.9
EL 50-250/22	30	22	180M	92.9	0.86	39.7
EL 65-125/3	4	3	100L	87.3	0.86	5.77
EL 65-125/4	5.5	4	112M	88.4	0.86	7.59
EL 65-125/5.5	7.5	5.5	132S	89.4	0.84	10.6
EL 65-125/7.5	10	7.5	132S	90.3	0.85	14.1
EL 65-160/5.5	7.5	5.5	132S	89.4	0.84	10.6
EL 65-160/7.5	10	7.5	132S	90.3	0.85	14.1
EL 65-160/9.2	12.5	9.2	132M	90.7	0.88	16.6
EL 65-160/11	15	11	132M ⁽¹⁾	91.4	0.87	20.0
EL 65-200/15	20	15	160M	92.1	0.85	27.7
EL 65-200/18.5	25	18.5	160L	92.6	0.85	33.9
EL 65-200/22	30	22	180M	92.9	0.86	39.7
EL 65-250/18.5	25	18.5	160M	92.6	0.85	33.9
EL 65-250/22	30	22	160L	92.9	0.86	39.7
EL 65-250/30	40	30	180M	93.5	0.85	54.5
EL 80-125/4	5.5	4	112M	88.4	0.86	7.59
EL 80-125/5.5	7.5	5.5	132S	89.4	0.84	10.6
EL 80-125/7.5	10	7.5	132S	90.3	0.85	14.1
EL 80-160/7.5	10	7.5	132S	90.3	0.85	14.1
EL 80-160/9.2	12.5	9.2	132M	90.7	0.88	16.6
EL 80-160/11	15	11	160M	91.4	0.87	20.0
EL 80-160/15	20	15	160M	92.1	0.85	27.7
EL 80-160/18.5	25	18.5	160L	92.6	0.85	33.9
EL 80-200/15	20	15	160M	92.1	0.85	27.7
EL 80-200/18.5	25	18.5	160L	92.6	0.85	33.9
EL 80-200/22	30	22	180M	92.9	0.86	39.7
EL 80-200/30	40	30	200L	93.5	0.85	54.5
EL 100-160/15	20	15	160M	92.1	0.85	27.7
EL 100-160/18.5	25	18.5	160L	92.6	0.85	33.9
EL 100-160/22	30	22	180M	92.9	0.86	39.7
EL 100-160/30	40	30	200L	93.5	0.85	54.5
EL 100-200/22	30	22	180M	92.9	0.86	39.7
EL 100-200/30	40	30	200L	93.5	0.85	54.5
EL 100-200/37	50	37	200L	93.8	0.84	67.8
EL 125-200/30	40	30	200L	93.5	0.85	54.5
EL 125-200/37	50	37	200L	93.8	0.84	67.8

* Motor with undersized flange

⁽¹⁾ Non standard frame.

ELECTRICAL DATA TABLE

4 POLE

Model Three phase 230/400V 400/690V	P ₂ [HP] [kW]		Motor	Efficiency (%) Three phase η %	cosΦ	Absorbed current [A] Three phase 400V
EL 4 40-125/0.55	0.75	0.55	80	80.8	0.80	1.23
EL 4 40-160/0.55	0.75	0.55	80	80.8	0.80	1.23
EL 4 40-160/0.75	1	0.75	80	82.5	0.81	1.62
EL 4 50-125/0.55	0.75	0.55	80	80.8	0.80	1.23
EL 4 50-160/0.55	0.75	0.55	80	80.8	0.80	1.23
EL 4 50-160/0.75	1	0.75	80	82.5	0.81	1.62
EL 4 50-160/1.1	1.5	1.1	90S	84.5	0.80	2.35
EL 4 50-200/1.1	1.5	1.1	90S	84.5	0.80	2.35
EL 4 50-200/1.5	2	1.5	90L	85.5	0.80	3.17
EL 4 50-250/2.2	3	2.2	100L	87.0	0.80	4.56
EL 4 50-250/3	4	3	100L	88.0	0.80	6.15
EL 4 65-125/0.55	0.75	0.55	80	80.8	0.80	1.23
EL 4 65-125/0.75	1	0.75	80	82.5	0.81	1.62
EL 4 65-125/1.1	1.5	1.1	90S	84.5	0.80	2.35
EL 4 65-160/0.75	1	0.75	80	82.5	0.81	1.62
EL 4 65-160/1.1	1.5	1.1	90S	84.5	0.80	2.35
EL 4 65-160/1.5	2	1.5	90L	85.5	0.80	3.17
EL 4 65-160/2.2	3	2.2	100L	87.0	0.80	4.56
EL 4 65-200/1.5	2	1.5	90L	85.5	0.80	3.17
EL 4 65-200/2.2	3	2.2	100L	87.0	0.80	4.56
EL 4 65-200/3	4	3	100L	88.0	0.80	6.15
EL 4 65-250/2.2	3	2.2	100L	87.0	0.80	4.56
EL 4 65-250/3	4	3	100L	88.0	0.80	6.15
EL 4 65-250/4	5.5	4	112M	88.8	0.81	8.03
EL 4 65-250/5.5	7.5	5.5	132S	89.7	0.85	10.4
EL 4 80-125/0.55	0.7	0.55	80	80.8	0.80	1.23
EL 4 80-125/0.75	1	0.75	80	82.5	0.81	1.62
EL 4 80-125/1.1	1.5	1.1	90S	84.5	0.80	2.35
EL 4 80-160/1.1	1.5	1.1	90S	84.5	0.80	2.35
EL 4 80-160/1.5	2	1.5	90L	85.5	0.80	3.17
EL 4 80-160/2.2	3	2.2	100L	87.0	0.80	4.56
EL 4 80-200/2.2	3	2.2	100L	87.0	0.80	4.56
EL 4 80-200/3	4	3	100L	88.0	0.80	6.15
EL 4 80-200/4	5.5	4	112M	88.8	0.81	8.03
EL 4 80-250/3	4	3	100L	88.0	0.80	6.15
EL 4 80-250/4	5.5	4	112M	88.8	0.81	8.03
EL 4 80-250/5.5	7.5	5.5	132S	89.7	0.85	10.4
EL 4 100-160/1.5	2	1.5	90L	85.5	0.80	3.17
EL 4 100-160/2.2	3	2.2	100L	87.0	0.80	4.56
EL 4 100-160/3	4	3	100L	88.0	0.80	6.15
EL 4 100-160/4	5.5	4	112M	88.8	0.81	8.03
EL 4 100-200/3	4	3	100L	88.0	0.80	6.15
EL 4 100-200/4	5.5	4	112M	88.8	0.81	8.03
EL 4 100-200/5.5	7.5	5.5	132S	89.7	0.85	10.4
EL 4 100-250/5.5	7.5	5.5	132S	89.7	0.85	10.4
EL 4 100-250/7.5	10	7.5	132M	90.6	0.86	13.9
EL 4 100-250/9.2	12.5	9.2	132M	91.0	0.82	17.4
EL 4 100-250/11	15	11	160M	91.6	0.83	20.9
EL 4 125-200/4	5.5	4	112M	88.8	0.81	8.03
EL 4 125-200/5.5	7.5	5.5	132S	89.7	0.85	10.4
EL 4 125-200/7.5	10	7.5	132M	90.6	0.86	13.9
EL 4 125-200/11	15	11	160M	91.6	0.83	20.9
EL 4 125-250/7.5	10	7.5	132M	90.6	0.86	13.9
EL 4 125-250/11	15	11	160M	91.6	0.83	20.9
EL 4 125-250/15	20	15	160L	92.3	0.84	27.9
EL 4 150-200/5.5	7.5	5.5	132S	89.7	0.85	10.4
EL 4 150-200/7.5	10	7.5	132M	90.6	0.86	13.9
EL 4 150-200/11	15	11	160M	91.6	0.83	20.9
EL 4 150-250/11	15	11	160M	91.6	0.83	20.9
EL 4 150-250/15	20	15	160L	92.3	0.84	27.9
EL 4 150-250/18.5	25	18.5	180M	92.8	0.82	35.1
EL 4 150-250/22	30	22	180L	93.2	0.83	41.0
EL 4 200-250/15	20	15	160L	92.3	0.84	27.9
EL 4 200-250/18.5	25	18.5	180M	92.8	0.82	35.1
EL 4 200-250/22	30	22	180L	93.2	0.83	41.0
EL 4 200-250/30	40	30	200L	93.7	0.81	57.1

The contents of this publication should not be regarded as binding. EBARA Pumps Europe S.p.A. reserves the right to effect any modification it deems necessary, without prior notice.

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

NOISE DATA TABLE EL

2 Poles

Model	[HP]	P ₂ [kW]	L _A - dB(A)
EL 40-125/1.5	2	1.5	65
EL 40-125/2.2	3	2.2	
EL 40-125/3	4	3	
EL 40-160/2.2	3	2.2	
EL 40-160/3	4	3	66
EL 40-160/4	5.5	4	
EL 40-160/5.5	7.5	5.5	
EL 50-125/1.5	2	1.5	65
EL 50-125/2.2	3	2.2	
EL 50-125/3	4	3	
EL 50-125/4	5.5	4	66
EL 50-160/4	5.5	4	
EL 50-160/5.5	7.5	5.5	
EL 50-160/7.5	10	7.5	72
EL 50-200/7.5	10	7.5	
EL 50-200/9.2	12.5	9.2	
EL 50-200/11	15	11	
EL 50-200/15	20	15	
EL 50-250/11	15	11	
EL 50-250/15	20	15	
EL 50-250/18.5	25	18.5	
EL 50-250/22	30	22	
EL 65-125/3	4	3	66
EL 65-125/4	5.5	4	
EL 65-125/5.5	7.5	5.5	
EL 65-125/7.5	10	7.5	
EL 65-160/5.5	7.5	5.5	72
EL 65-160/7.5	10	7.5	
EL 65-160/9.2	12.5	9.2	
EL 65-160/11	15	11	
EL 65-200/15	20	15	
EL 65-200/18.5	25	18.5	
EL 65-200/22	30	22	
EL 65-250/18.5	25	18.5	
EL 65-250/22	30	22	
EL 65-250/30	40	30	
EL 80-125/4	5.5	4	72
EL 80-125/5.5	7.5	5.5	
EL 80-125/7.5	10	7.5	
EL 80-160/7.5	10	7.5	
EL 80-160/9.2	12.5	9.2	
EL 80-160/11	15	11	
EL 80-160/15	20	15	
EL 80-160/18.5	25	18.5	
EL 80-200/15	20	15	
EL 80-200/18.5	25	18.5	
EL 80-200/22	30	22	73
EL 80-200/30	40	30	
EL 100-160/15	20	15	72
EL 100-160/18.5	25	18.5	
EL 100-160/22	30	22	
EL 100-160/30	40	30	73
EL 100-200/22	30	22	72
EL 100-200/30	40	30	73
EL 100-200/37	50	37	
EL 125-200/30	40	30	
EL 125-200/37	50	37	

NOISE DATA TABLE EL

4 Poles

Model	[HP]	P ₂ [kW]	L _A - dB(A)
EL4 40-125/0.55	0.75	0.55	45
EL4 40-160/0.55	0.75	0.55	
EL4 40-160/0.75	1	0.75	
EL4 50-125/0.55	0.75	0.55	
EL4 50-160/0.55	0.75	0.55	
EL4 50-160/0.75	1	0.75	48
EL4 50-160/1.1	1.5	1.1	
EL4 50-200/1.1	1.5	1.1	
EL4 50-200/1.5	2	1.5	
EL4 50-250/2.2	3	2.2	
EL4 50-250/3	4	3	45
EL4 65-125/0.55	0.75	0.55	
EL4 65-125/0.75	1	0.75	
EL4 65-125/1.1	1.5	1.1	
EL4 65-160/0.75	1	0.75	
EL4 65-160/1.1	1.5	1.1	48
EL4 65-160/1.5	2	1.5	
EL4 65-160/2.2	3	2.2	
EL4 65-200/1.5	2	1.5	
EL4 65-200/2.2	3	2.2	
EL4 65-200/3	4	3	
EL4 65-250/2.2	3	2.2	
EL4 65-250/3	4	3	
EL4 65-250/4	5.5	4	
EL4 65-250/5.5	7.5	5.5	
EL4 80-125/0.55	0.7	0.55	45
EL4 80-125/0.75	1	0.75	
EL4 80-125/1.1	1.5	1.1	48
EL4 80-160/1.1	1.5	1.1	
EL4 80-160/1.5	2	1.5	
EL4 80-160/2.2	3	2.2	
EL4 80-200/2.2	3	2.2	
EL4 80-200/3	4	3	49
EL4 80-200/4	5.5	4	
EL4 80-250/3	4	3	
EL4 80-250/4	5.5	4	49
EL4 80-250/5.5	7.5	5.5	58
EL4 100-160/1.5	2	1.5	48
EL4 100-160/2.2	3	2.2	
EL4 100-160/3	4	3	49
EL4 100-160/4	5.5	4	
EL4 100-200/3	4	3	48
EL4 100-200/4	5.5	4	49
EL4 100-200/5.5	7.5	5.5	58
EL4 100-250/5.5	7.5	5.5	
EL4 100-250/7.5	10	7.5	
EL4 100-250/9.2	12.5	9.2	62
EL4 100-250/11	15	11	
EL4 125-200/4	5.5	4	49
EL4 125-200/5.5	7.5	5.5	58
EL4 125-200/7.5	10	7.5	62
EL4 125-200/11	15	11	
EL4 125-250/7.5	10	7.5	
EL4 125-250/11	15	11	
EL4 125-250/15	20	15	
EL4 150-200/5.5	7.5	5.5	58
EL4 150-200/7.5	10	7.5	62
EL4 150-200/11	15	11	
EL4 150-250/11	15	11	
EL4 150-250/15	20	15	64
EL4 150-250/18.5	25	18.5	
EL4 150-250/22	30	22	
EL4 200-250/15	20	15	62
EL4 200-250/18.5	25	18.5	64
EL4 200-250/22	30	22	
EL4 200-250/30	40	30	

ELINED

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron



In-line centrifugal twin electric pumps with hydraulic equipment in cast iron, single impeller, designed to satisfy DIN 24255. Equipped with normalised motor.

APPLICATIONS

- Heating and air conditioning systems
- Cooling and domestic hot water systems
- Pressurisation
- Industrial: pumping clean, chemically neutral fluids without abrasive particles in suspension

CHARACTERISTICS AND ADVANTAGES

- Direct mounting to pipes with supplementary mounts up to 3 kW power rating
- Very silent running
- Reduced size
- Ease of installation and removal
- Low maintenance

OPTIONS/ACCESSORIES AVAILABLE ON REQUEST

- Anti-condensation heating elements
- ATEX execution
- Temperature sensors (PT100), thermistors (PTC)
- Dual speed
- Powered ventilation

PUMP TECHNICAL DATA

- Maximum operating pressure: 10 bar
- Fluid temperature: $-10 \div +120^{\circ}\text{C}$ ($+140^{\circ}\text{C}$ on request)
- Admitted fluids: clean, chemically neutral and without suspended particles
- Flanges (delivery and suction): DN 40 to DN 200
- MEI > 0.4

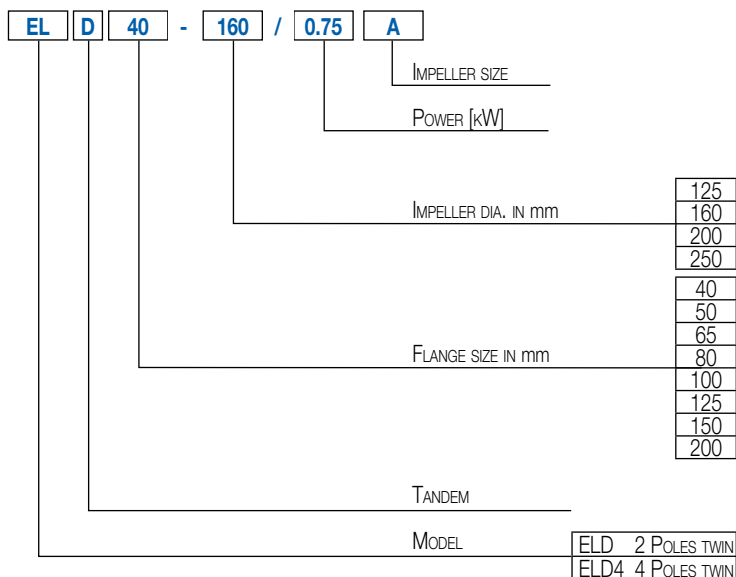
MOTOR TECHNICAL DATA

- Three phase asynchronous motor, 2 and 4 poles
- Insulation class: F
- Protection rating: IP55
- Speed: 1450 – 2900 rpm
- Ambient temperature: 40°C
- Voltage:
 - 3~230/400V $\pm 10\%$ (for power ≤ 4 kW)
 - 3~400/690V $\pm 10\%$ (for power > 4 kW)
- Frequency: 50 Hz (60Hz available on request)

MATERIALS

- Pump body and lantern in cast iron (GG-25)
- Cast iron impeller (GG-20)
- Shaft made of AISI 316 stainless steel
- Mechanical seal in graphite/ceramic
- Gasket/O-ring in paper/NBR

IDENTIFICATION CODE



ELINED

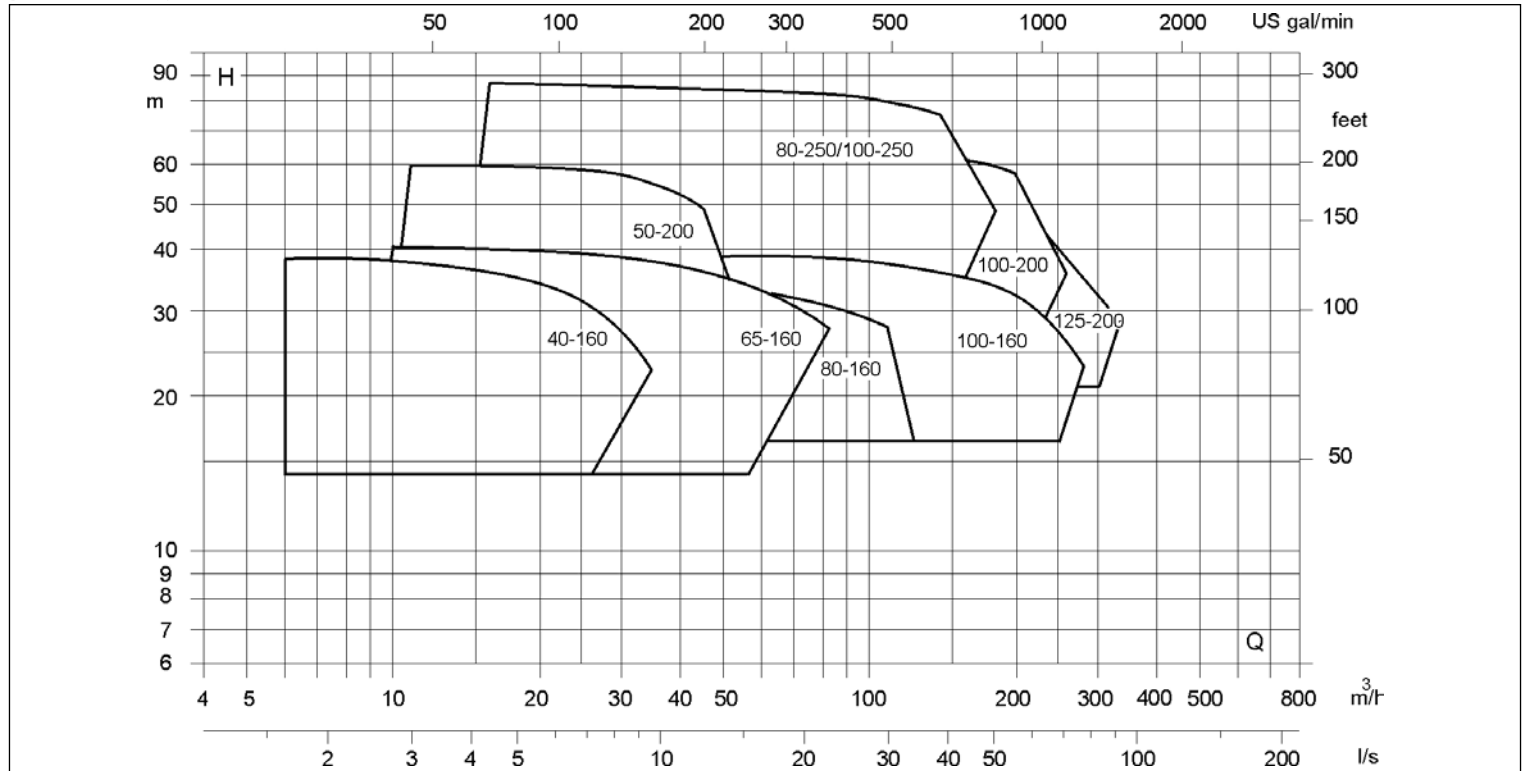
IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

PERFORMANCE RANGE ELINED

(per ISO 9906 Annex A)

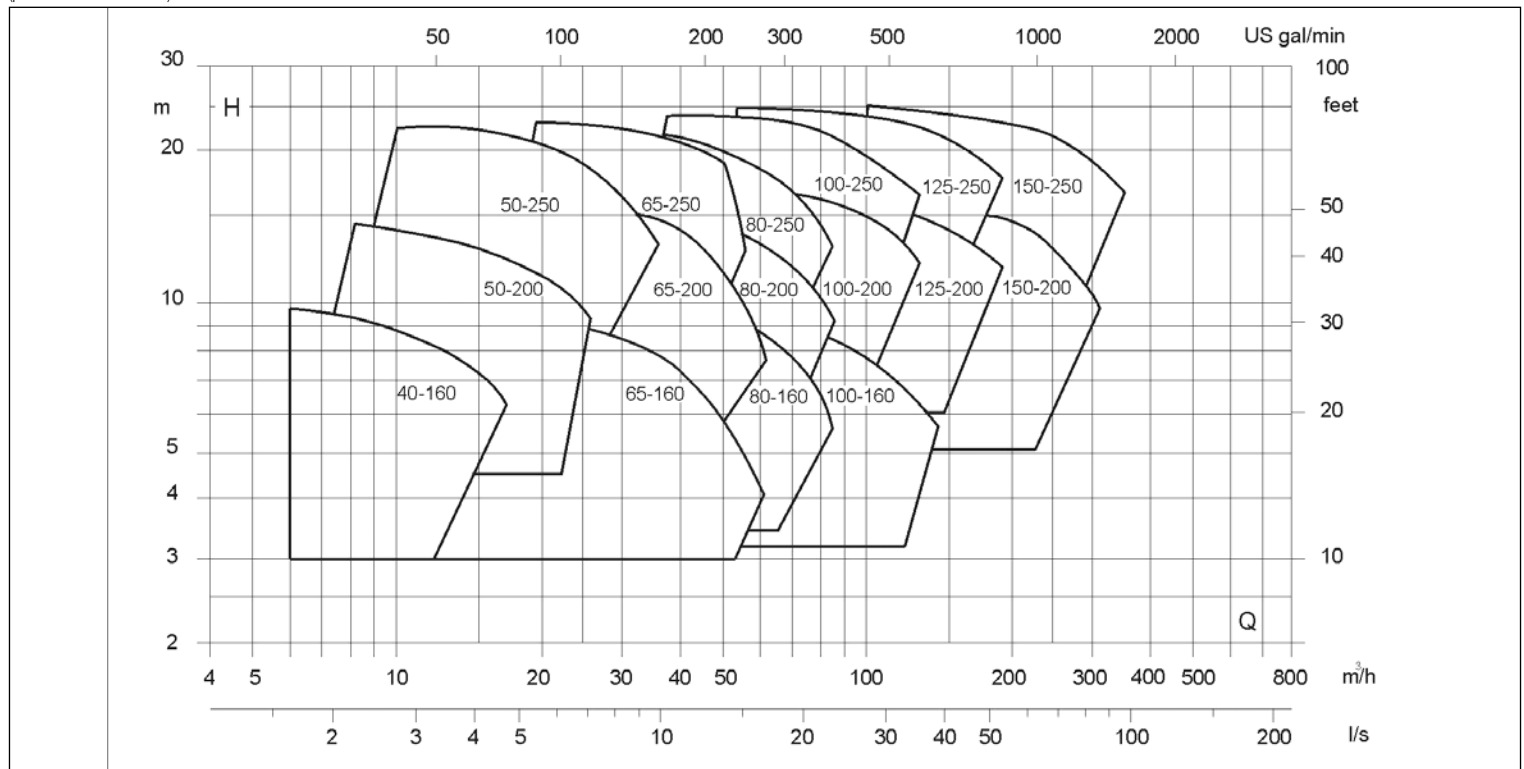
2 Poles



PERFORMANCE RANGE ELINED4

(per ISO 9906 Annex A)

4 Poles



Selection table on page 173

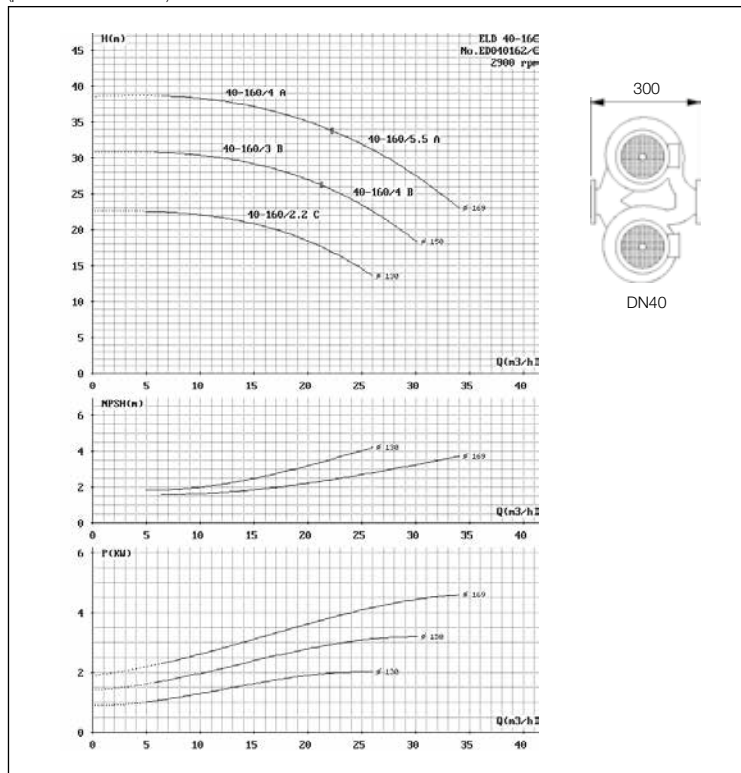
IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

PERFORMANCE CURVES ELINED 40-160

(per ISO 9906 Annex A)

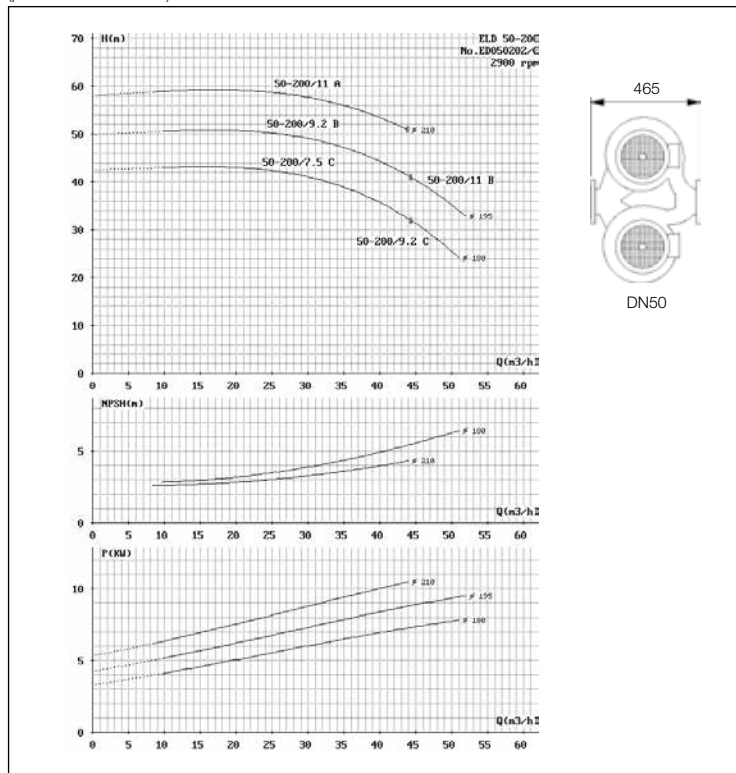
2 Poles



PERFORMANCE CURVES ELINED 50-200

(per ISO 9906 Annex A)

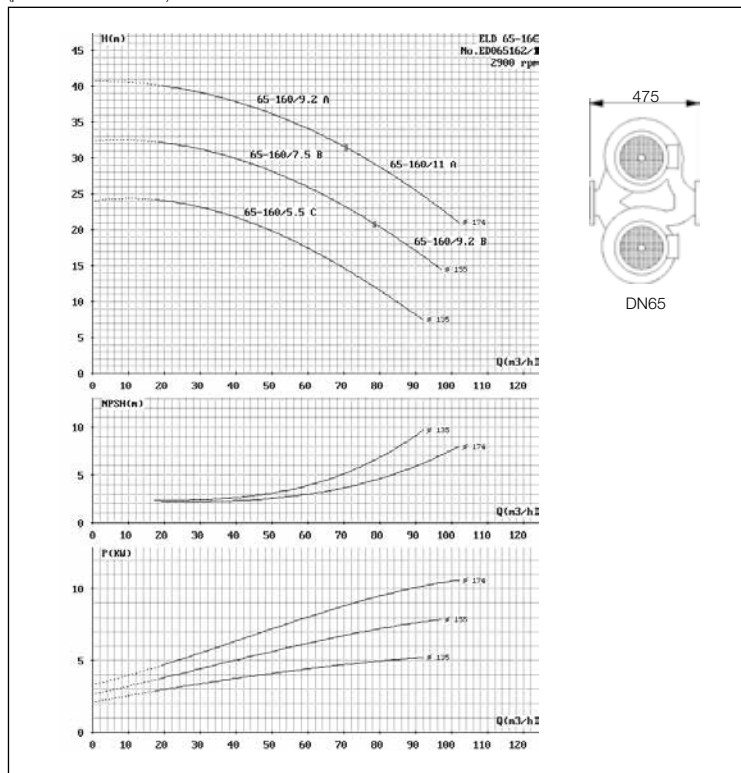
2 Poles



PERFORMANCE CURVES ELINED 65-160

(per ISO 9906 Annex A)

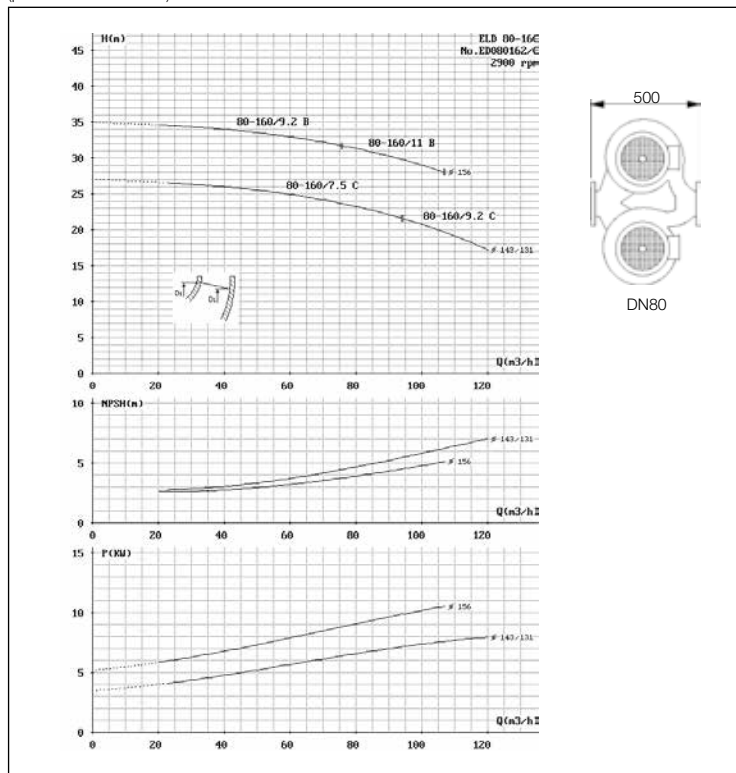
2 Poles



PERFORMANCE CURVES ELINED 80-160

(per ISO 9906 Annex A)

2 Poles



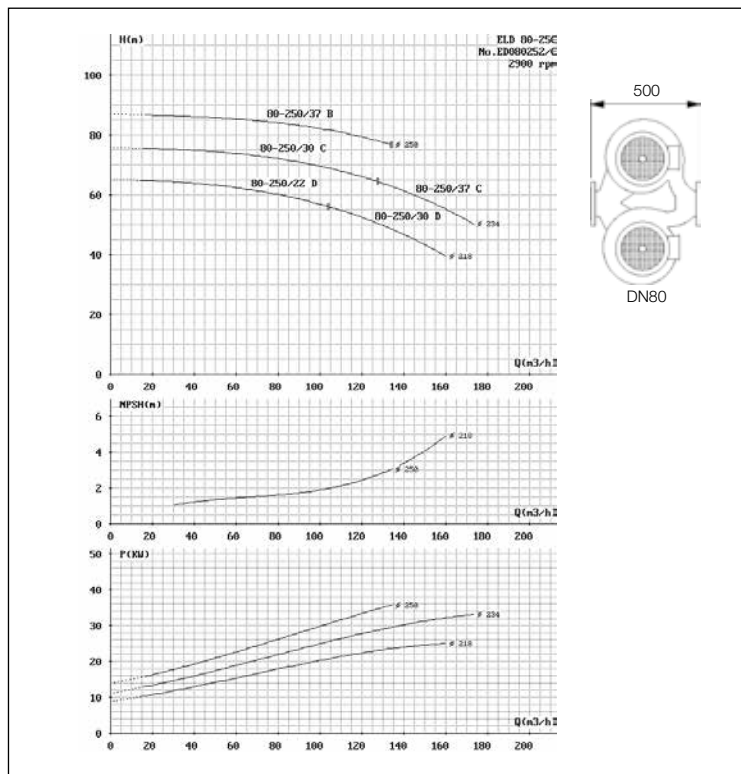
IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

PERFORMANCE CURVES ELINED 80-250

(per ISO 9906 Annex A)

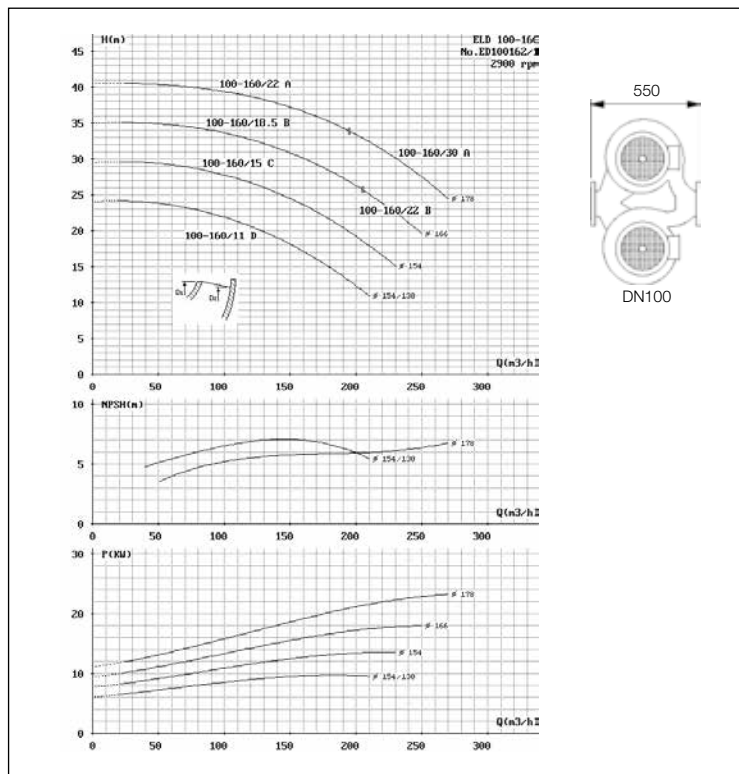
2 Poles



PERFORMANCE CURVES ELINED 100-160

(per ISO 9906 Annex A)

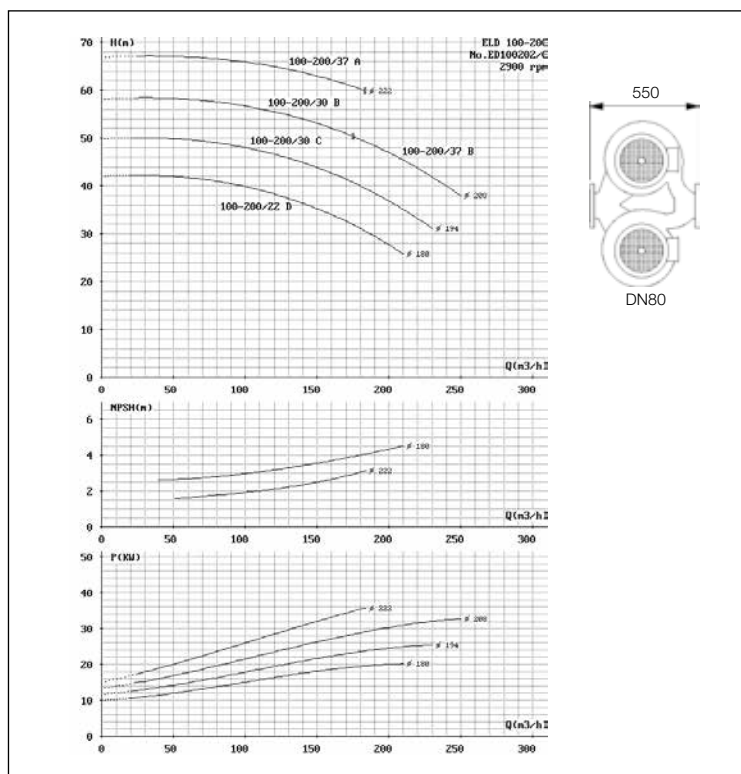
2 Poles



PERFORMANCE CURVES ELINED 100-200

(per ISO 9906 Annex A)

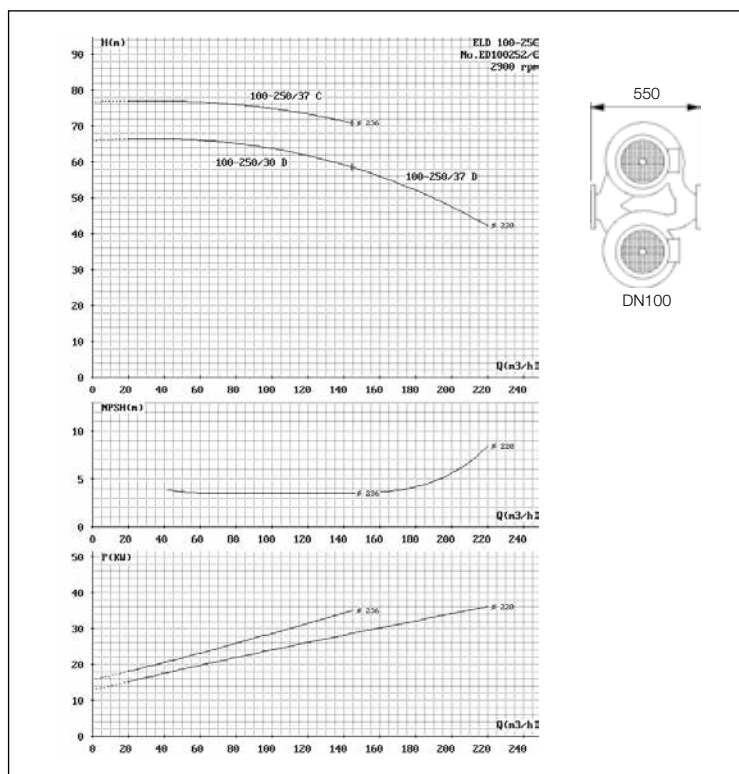
2 Poles



PERFORMANCE CURVES ELINED 100-250

(per ISO 9906 Annex A)

2 Poles



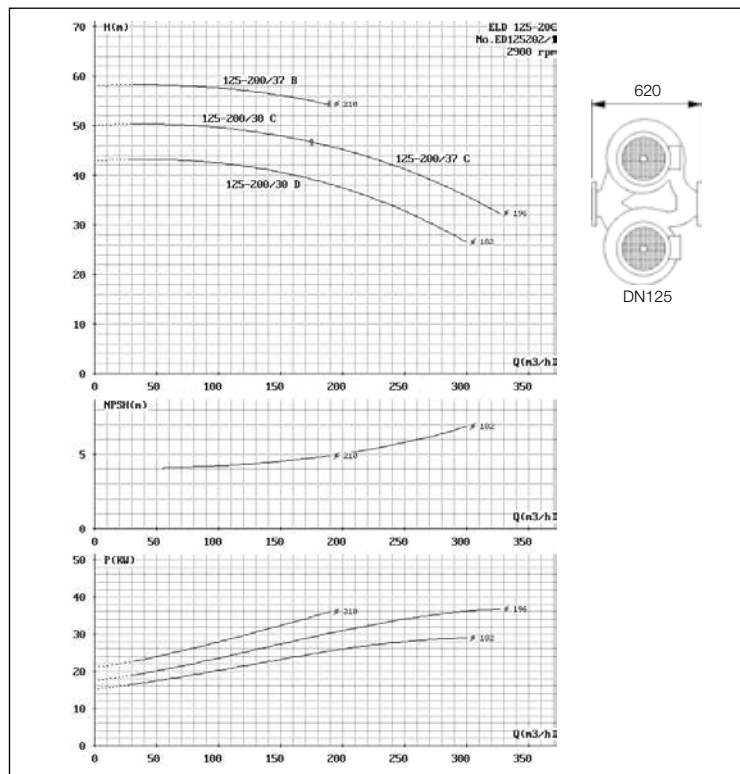
ELINED

IN-LINE NORMALISED ELECTRIC PUMPS in cast iron

PERFORMANCE CURVES ELINED 125-200

2 Poles

(per ISO 9906 Annex A)



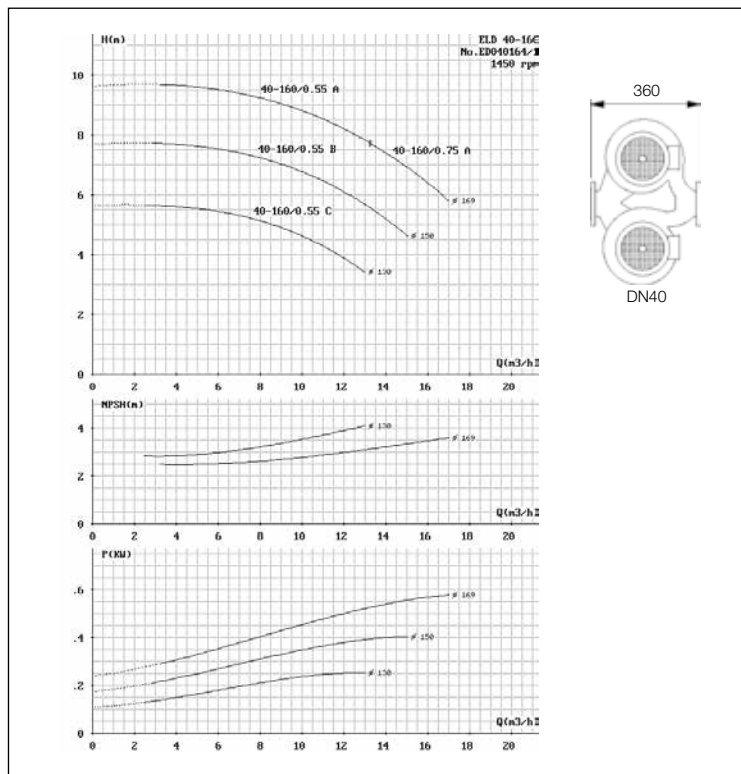
IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

PERFORMANCE CURVES ELINED4 40-160

(per ISO 9906 Annex A)

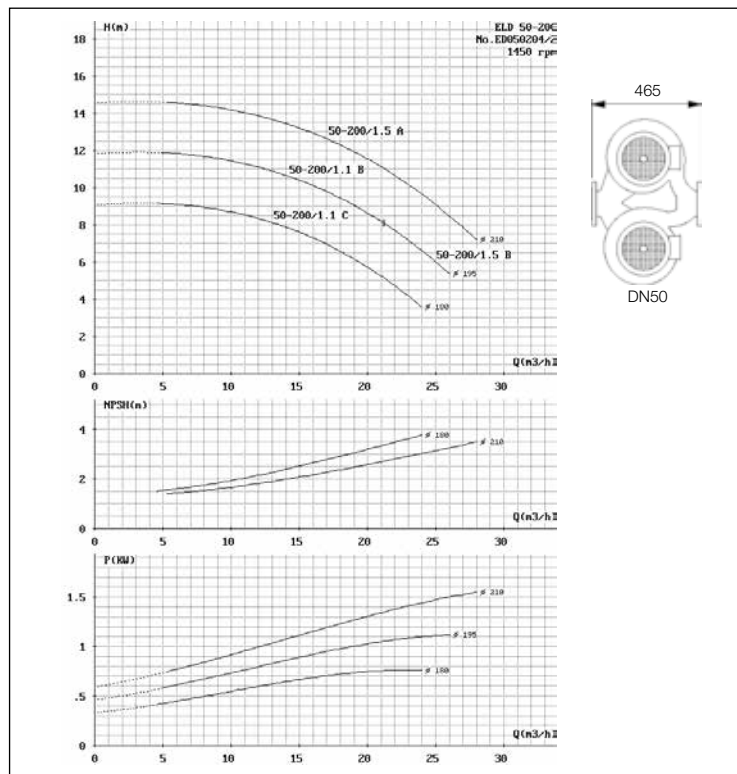
4 Poles



PERFORMANCE CURVES ELINED4 50-200

(per ISO 9906 Annex A)

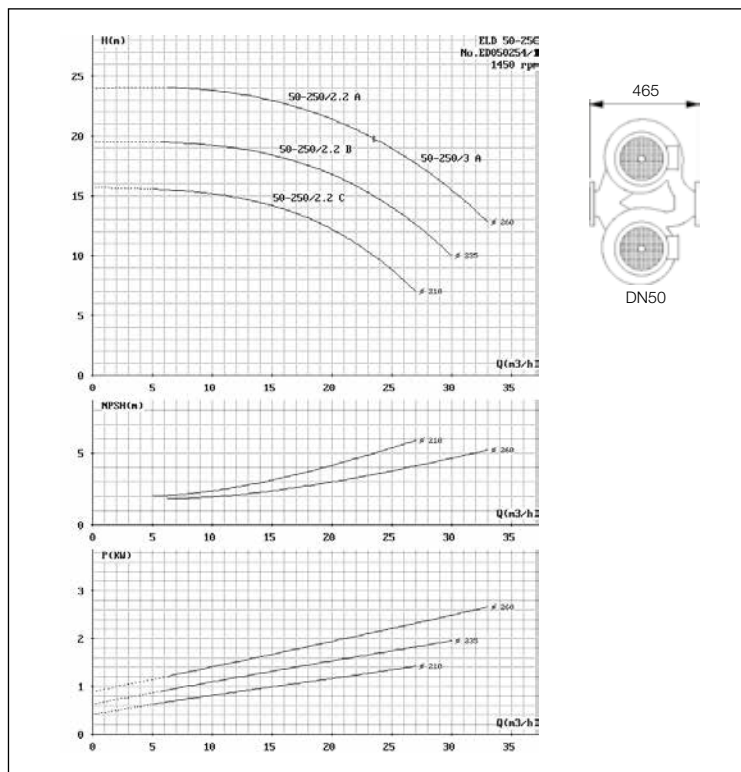
4 Poles



PERFORMANCE CURVES ELINED4 50-250

(per ISO 9906 Annex A)

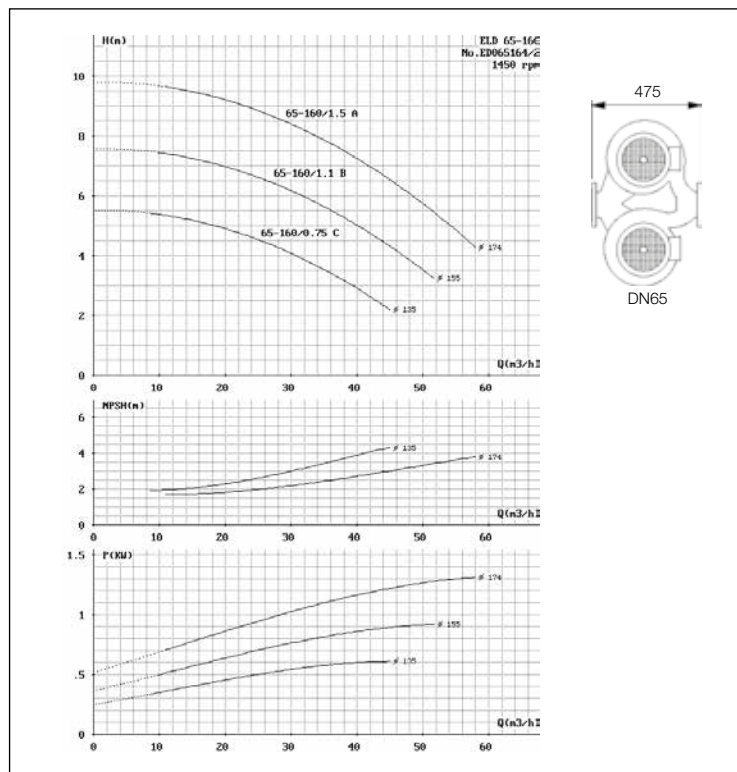
4 Poles



PERFORMANCE CURVES ELINED4 65-160

(per ISO 9906 Annex A)

4 Poles



IN-LINE NORMALISED ELECTRIC PUMPS in cast iron

PERFORMANCE CURVES ELINED4 65-200

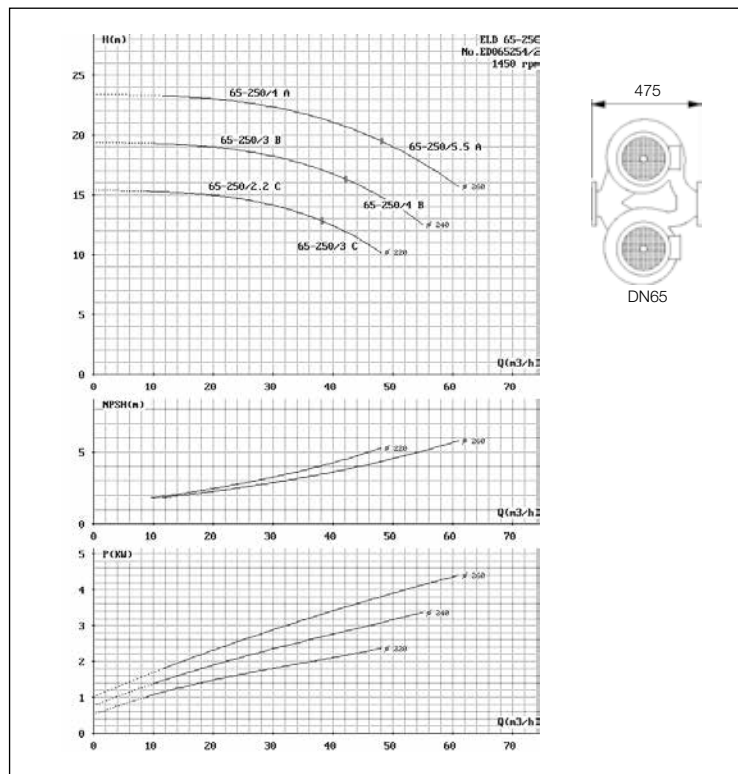
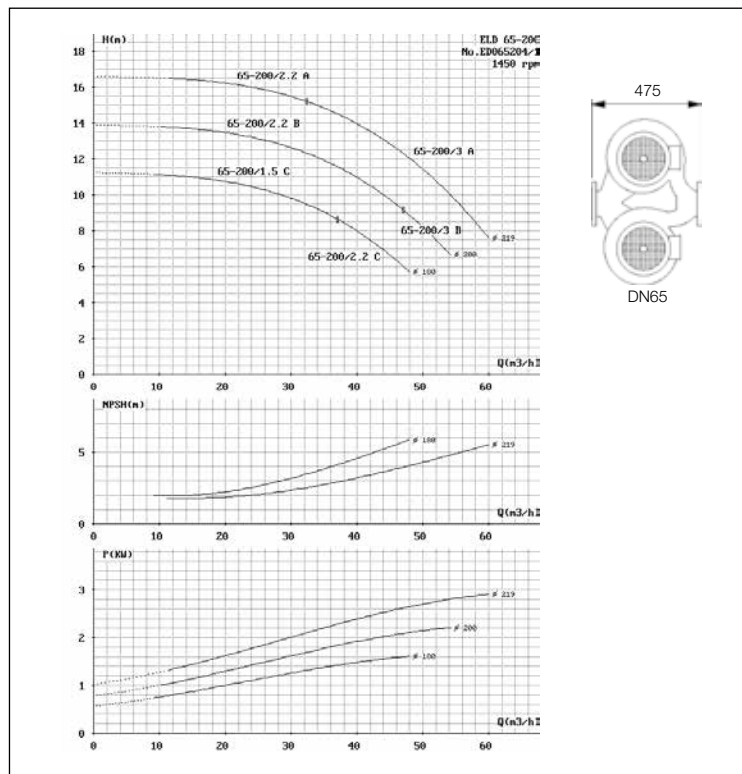
(per ISO 9906 Annex A)

4 Poles

PERFORMANCE CURVES ELINED4 65-250

(per ISO 9906 Annex A)

4 Poles



PERFORMANCE CURVES ELINED4 80-160

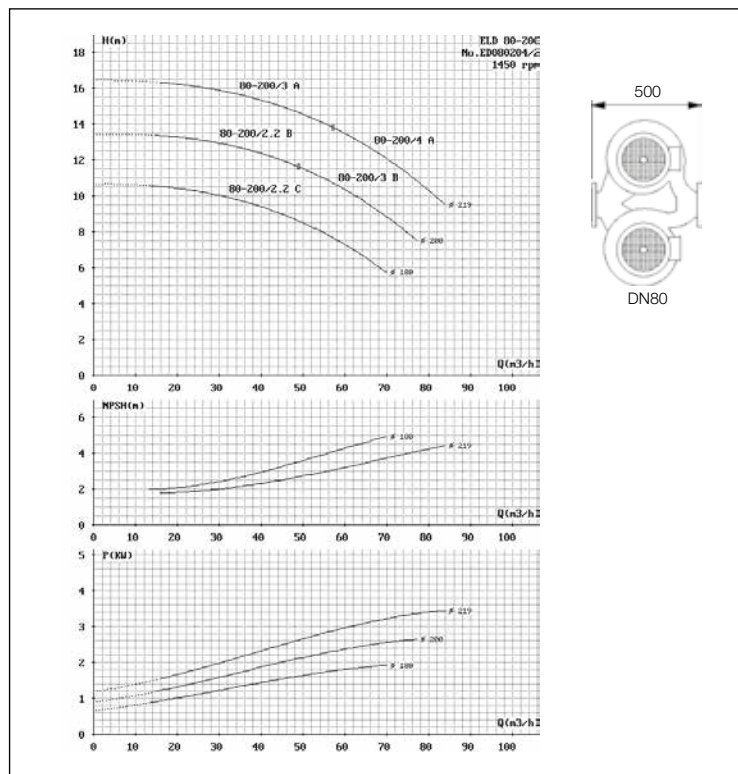
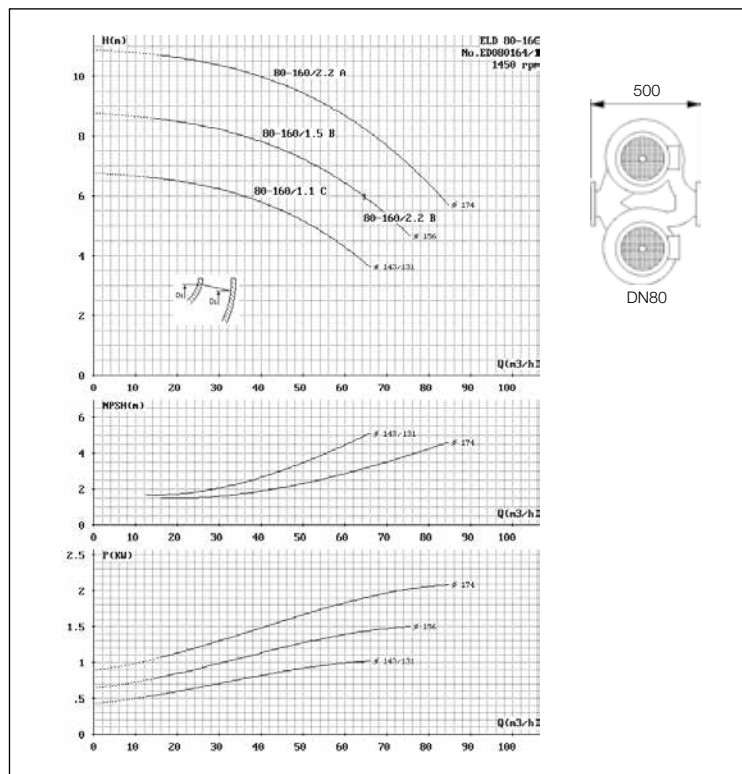
(per ISO 9906 Annex A)

4 Poles

PERFORMANCE CURVES ELINED4 80-200

(per ISO 9906 Annex A)

4 Poles



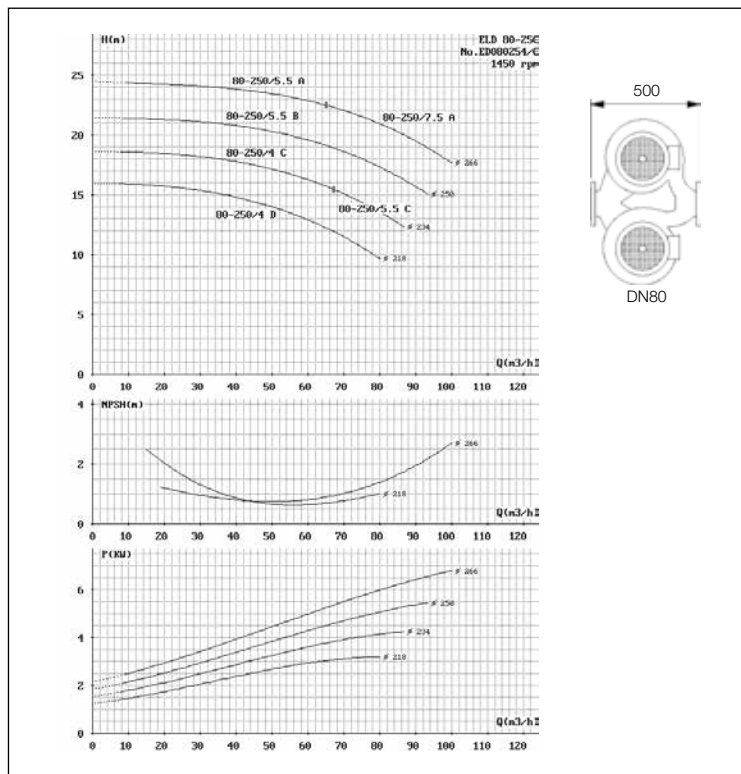
IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

PERFORMANCE CURVES ELINED4 80-250

(per ISO 9906 Annex A)

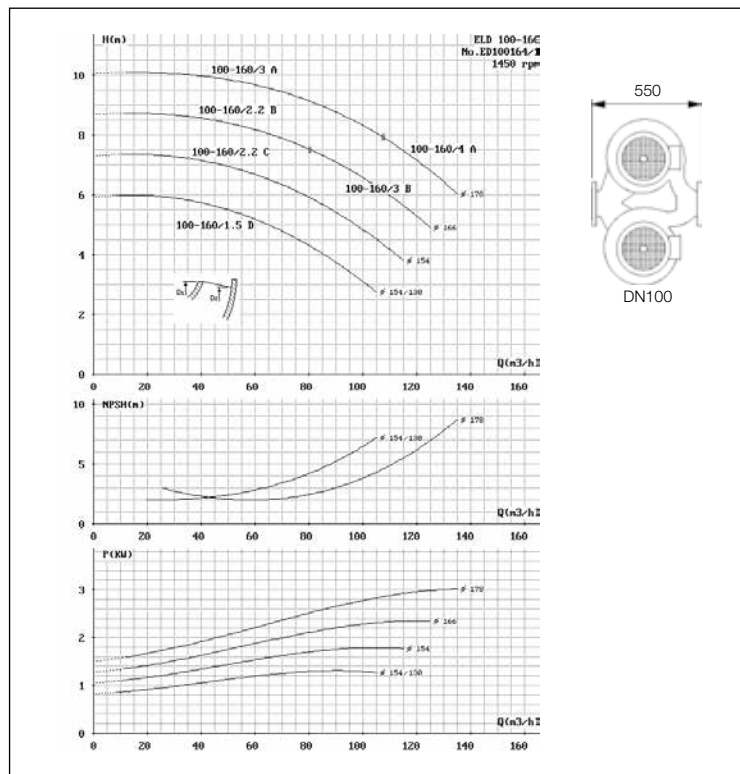
4 Poles



PERFORMANCE CURVES ELINED4 100-160

(per ISO 9906 Annex A)

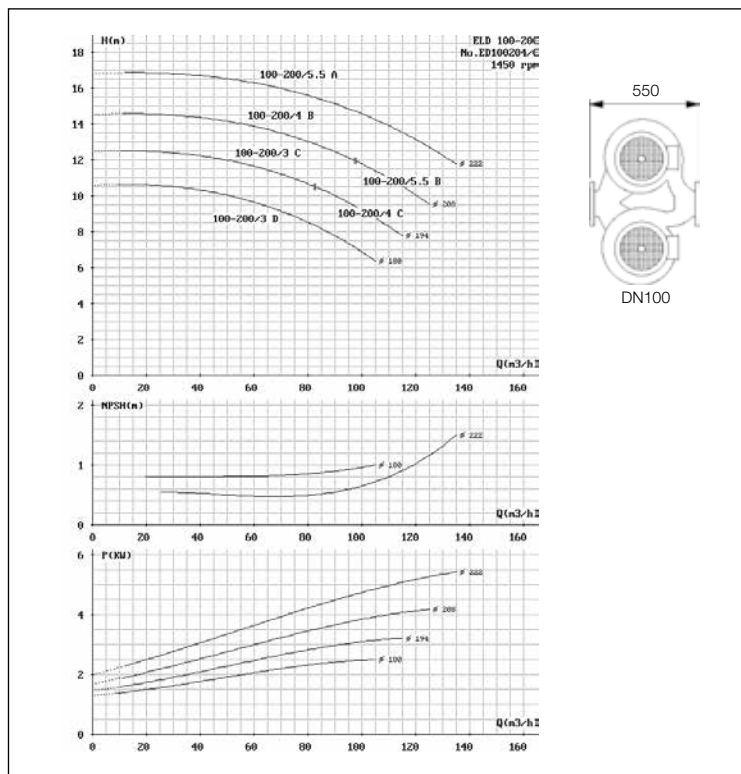
4 Poles



PERFORMANCE CURVES ELINED4 100-200

(per ISO 9906 Annex A)

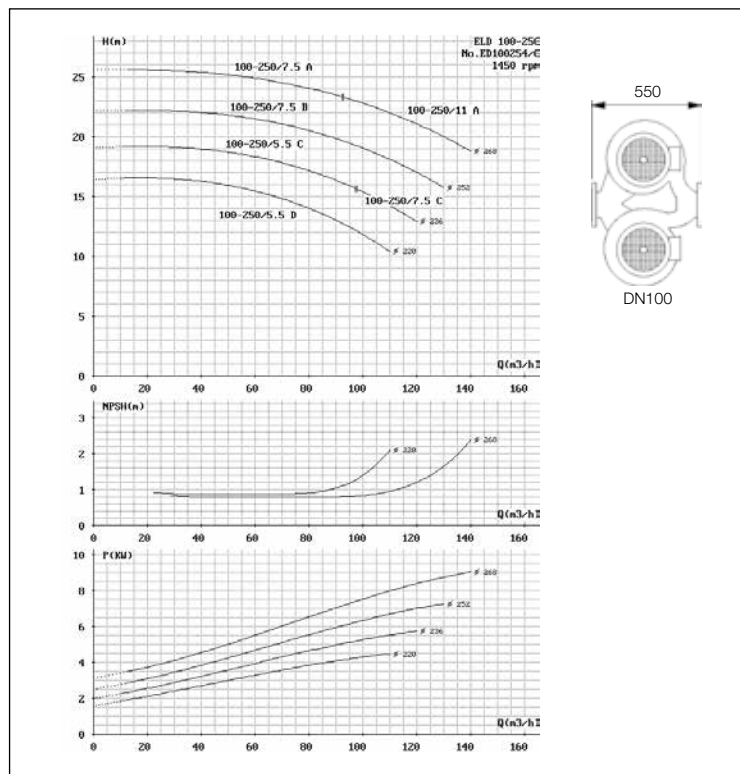
4 Poles



PERFORMANCE CURVES ELINED4 100-250

(per ISO 9906 Annex A)

4 Poles



IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

PERFORMANCE CURVES ELINED4 125-200

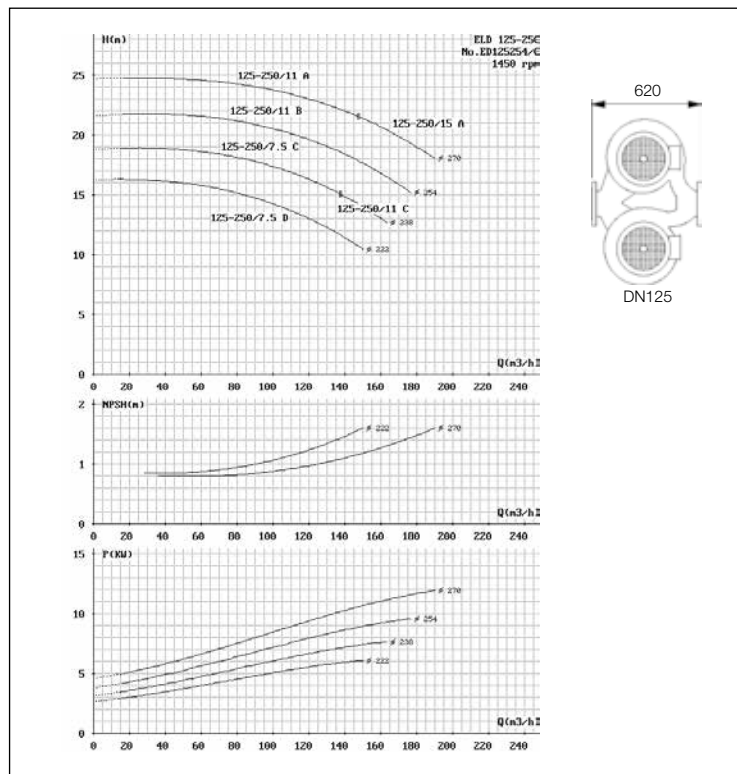
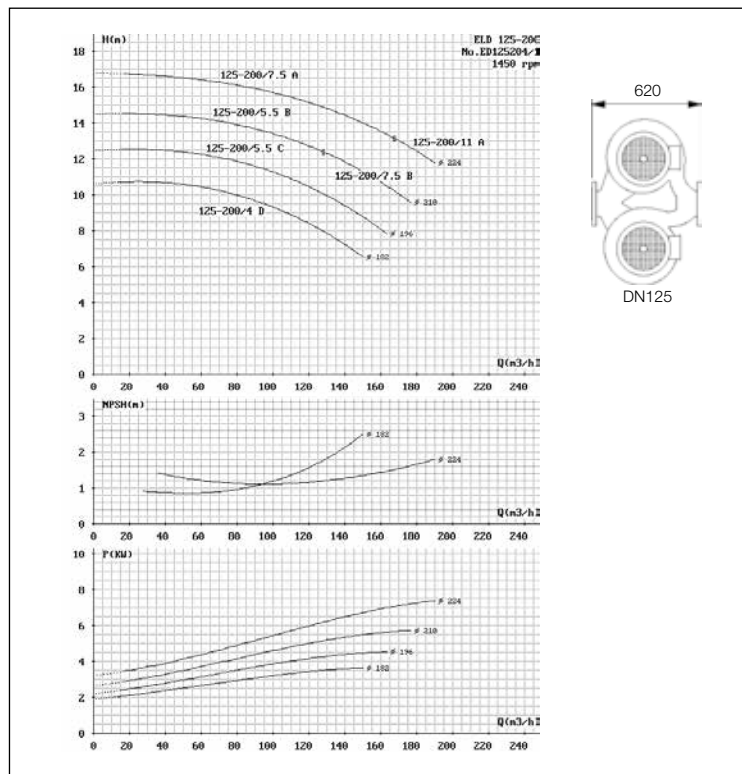
(per ISO 9906 Annex A)

4 Poles

PERFORMANCE CURVES ELINED4 125-250

(per ISO 9906 Annex A)

4 Poles



PERFORMANCE CURVES ELINED4 150-200

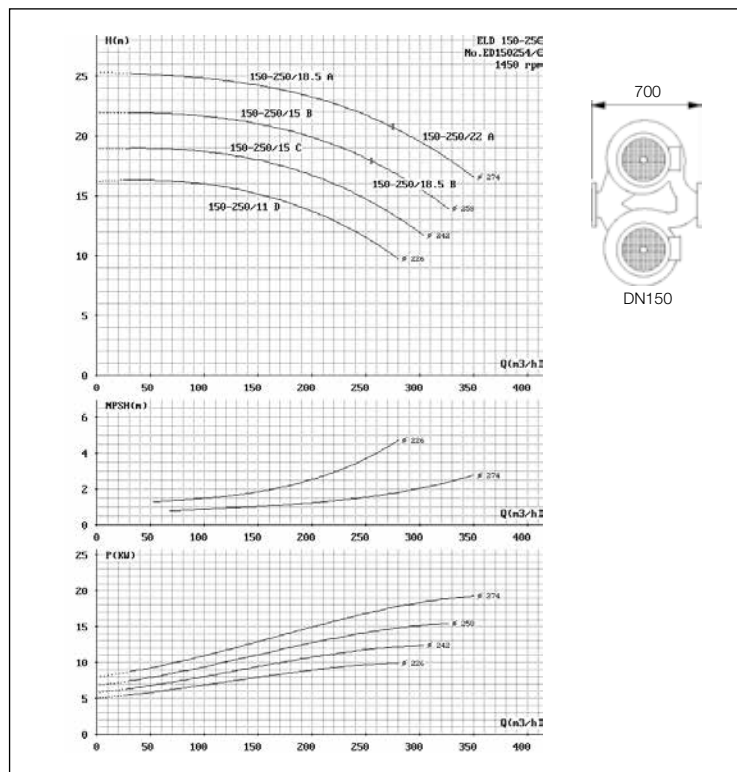
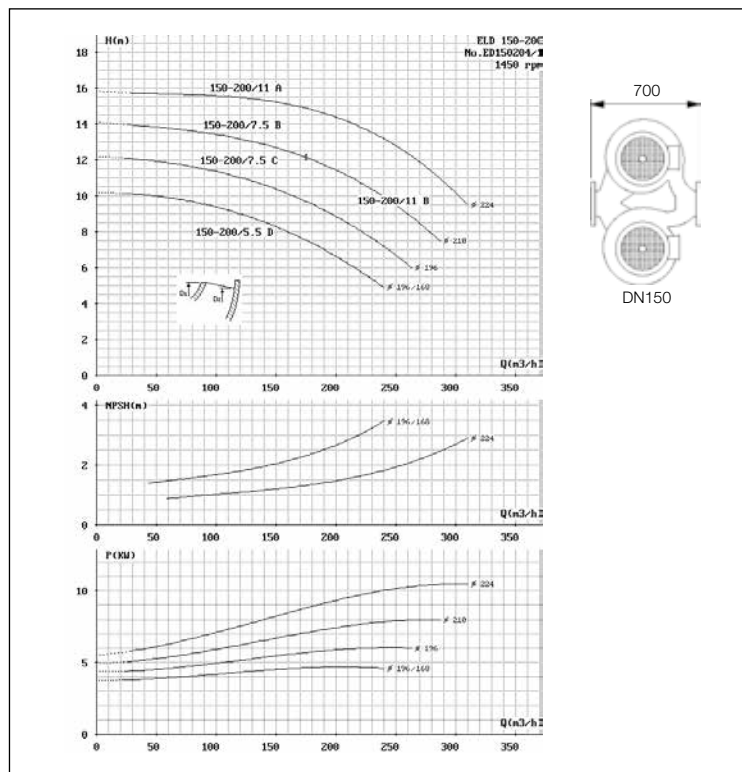
(per ISO 9906 Annex A)

4 Poles

PERFORMANCE CURVES ELINED4 150-250

(per ISO 9906 Annex A)

4 Poles



IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

ELINED 32-40-50 DIMENSIONS

2 Poles

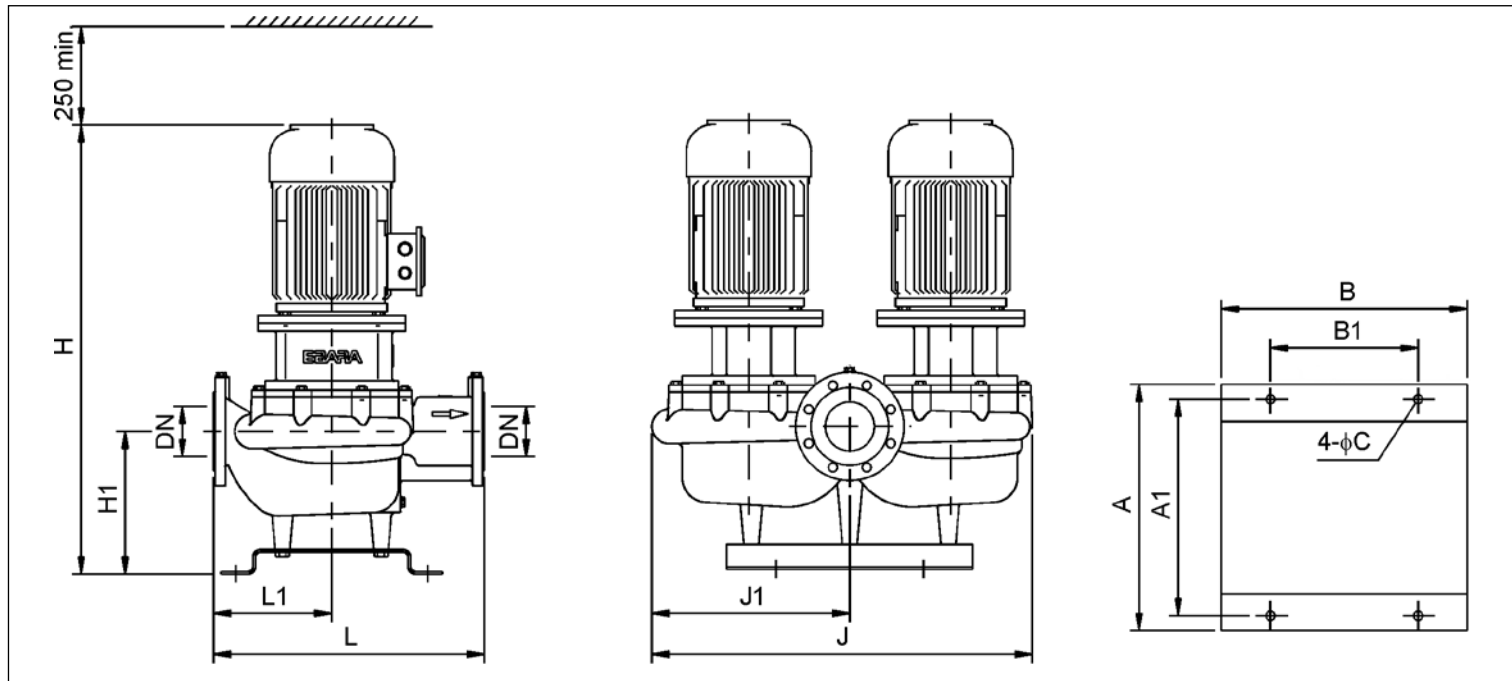


TABLE OF DIMENSIONS

2 Poles

Model	DN	H1	H	L1	L	Dimensions [mm]		A1	A	B1	B	C	Weight [kg]
ELD 40-160/2.2	40	210	640	175	360	J1	J	250	300	200	300	15	87.0
ELD 40-160/3	40	210	665	175	360	240	470	250	300	200	300	15	109.0
ELD 40-160/4	40	210	685	175	360	240	470	250	300	200	300	15	117.0
ELD 40-160/5.5	40	210	685	175	360	240	470	250	300	200	300	15	143.0
ELD 50-200/7.5	50	210	790	210	465	295	580	250	300	200	300	15	177.0
ELD 50-200/9.2	50	210	830	210	465	295	580	250	300	200	300	15	191.0
ELD 50-200/11	50	210	830	210	465	295	580	250	300	200	300	15	217.0
ELD 65-160/5.5	65	210	735	210	475	275	540	250	300	200	300	15	164.0
ELD 65-160/7.5	65	210	780	210	475	275	540	250	300	200	300	15	174.0
ELD 65-160/9.2	65	210	780	210	475	275	540	250	300	200	300	15	188.0
ELD 65-160/11	65	210	780	210	475	275	540	250	300	200	300	15	212.0
ELD 80-160/7.5	80	210	775	240	500	295	590	250	300	200	300	15	193.0
ELD 80-160/9.2	80	210	815	240	500	295	590	250	300	200	300	15	207.0
ELD 80-160/11	80	210	815	240	500	295	590	250	300	200	300	15	231.0
ELD 80-250/22	80	290	1020	235	500	385	765	440	500	300	500	18	380.0
ELD 80-250/30	80	290	1095	235	500	405	810	440	500	300	500	18	439.0
ELD 80-250/37	80	290	1095	235	500	405	810	440	500	300	500	18	475.0
ELD 100-160/11	100	290	1005	265	550	380	760	440	500	300	500	18	265.0
ELD 100-160/15	100	290	1005	265	550	380	760	440	500	300	500	18	281.0
ELD 100-160/18.5	100	290	1005	265	550	380	760	440	500	300	500	18	305.0
ELD 100-160/22	100	290	1005	265	550	380	760	440	500	300	500	18	343.0
ELD 100-160/30	100	290	1085	265	550	405	810	440	500	300	500	18	397.0
ELD 100-200/22	100	290	1020	265	550	385	765	440	500	300	500	18	374.0
ELD 100-200/30	100	290	1095	265	550	405	810	440	500	300	500	18	433.0
ELD 100-200/37	100	290	1095	265	550	405	810	440	500	300	500	18	469.0
ELD 100-250/30	100	290	1095	240	550	405	810	440	500	300	500	18	453.0
ELD 100-250/37	100	290	1095	240	550	405	810	440	500	300	500	18	489.0
ELD 125-200/30	125	290	1095	275	620	405	810	440	500	300	500	18	473.0
ELD 125-200/37	125	290	1095	275	620	405	810	440	500	300	500	18	509.0

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

TABLE OF DIMENSIONS

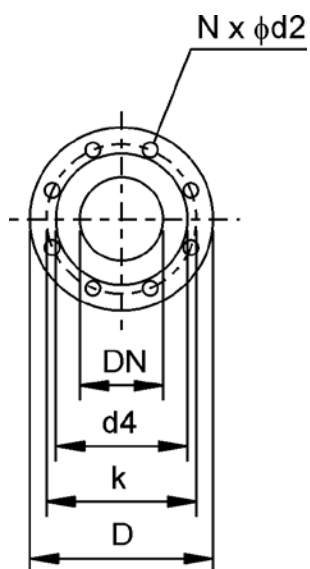
4 Poles

Model	Dimensions [mm]												Weight [kg]
	DN	H1	H	L1	L	J1	J	A1	A	B1	B	C	
ELD4 40-160/0.55	40	210	600	175	360	240	470	250	300	200	300	15	73
ELD4 40-160/0.75	40	210	600	175	360	240	470	250	300	200	300	15	77
ELD4 50-200/1.1	50	210	615	210	465	295	580	250	300	200	300	15	105
ELD4 50-200/1.5	50	210	615	210	465	295	580	250	300	200	300	15	109
ELD4 50-250/2.2	50	210	710	210	465	330	660	250	300	200	300	15	145
ELD4 50-250/3	50	210	710	210	465	330	660	250	300	200	300	15	153
ELD4 65-160/0.75	65	210	600	210	475	275	540	250	300	200	300	15	96
ELD4 65-160/1.1	65	210	640	210	475	275	540	250	300	200	300	15	102
ELD4 65-160/1.5	65	210	640	210	475	275	540	250	300	200	300	15	106
ELD4 65-160/2.2	65	210	710	210	475	275	540	250	300	200	300	15	112
ELD4 65-250/3	65	210	640	210	475	310	610	250	300	200	300	15	119
ELD4 65-200/2.2	65	210	710	210	475	310	610	250	300	200	300	15	131
ELD4 65-200/3	65	210	710	210	475	310	610	250	300	200	300	15	141
ELD4 65-250/2.2	65	210	710	210	475	360	710	250	300	200	300	15	158
ELD4 65-250/3	65	210	710	210	475	360	710	250	300	200	300	15	166
ELD4 65-250/4	65	210	710	210	475	360	710	250	300	200	300	15	178
ELD4 65-250/5.5	65	210	790	210	475	360	710	250	300	200	300	15	201
ELD4 80-160/1.1	80	210	640	240	500	295	590	250	300	200	300	15	113
ELD4 80-160/1.5	80	210	640	240	500	295	590	250	300	200	300	15	117
ELD4 80-160/2.2	80	210	710	240	500	295	590	250	300	200	300	15	131
ELD4 80-200/2.2	80	210	710	220	500	340	665	250	300	200	300	15	143
ELD4 80-200/3	80	210	710	220	500	340	665	250	300	200	300	15	151
ELD4 80-200/4	80	210	710	220	500	340	665	250	300	200	300	15	163
ELD4 80-250/4	80	290	825	235	500	385	755	440	500	300	500	18	230
ELD4 80-250/5.5	80	290	910	235	500	385	755	440	500	300	500	18	256
ELD4 80-250/7.5	80	290	910	235	500	385	755	440	500	300	500	18	276
ELD4 100-160/1.5	100	290	745	265	550	370	715	440	500	300	500	18	176
ELD4 100-160/2.2	100	290	815	265	550	370	715	440	500	300	500	18	190
ELD4 100-160/3	100	290	815	265	550	370	715	440	500	300	500	18	198
ELD4 100-160/4	100	290	815	265	550	370	715	440	500	300	500	18	210
ELD4 100-200/3	100	290	825	265	550	385	750	440	500	300	500	18	212
ELD4 100-200/4	100	290	825	265	550	385	750	440	500	300	500	18	224
ELD4 100-200/5.5	100	290	910	265	550	385	750	440	500	300	500	18	250
ELD4 100-250/5.5	100	290	910	240	550	405	790	440	500	300	500	18	270
ELD4 100-250/7.5	100	290	910	240	550	405	790	440	500	300	500	18	290
ELD4 100-250/11	100	290	1020	240	550	405	790	440	500	300	500	18	332
ELD4 125-200/4	125	290	825	275	620	400	775	440	500	300	500	18	264
ELD4 125-200/5.5	125	290	910	275	620	400	775	440	500	300	500	18	290
ELD4 125-200/7.5	125	290	910	275	620	400	775	440	500	300	500	18	310
ELD4 125-200/11	125	290	1020	275	620	400	780	440	500	300	500	18	352
ELD4 125-250/7.5	125	290	910	275	620	420	815	440	500	300	500	18	335
ELD4 125-250/11	125	290	1020	275	620	420	815	440	500	300	500	18	377
ELD4 125-250/15	125	290	1020	275	620	420	815	440	500	300	500	18	403
ELD4 150-200/5.5	150	315	940	275	700	485	930	440	500	300	500	18	371
ELD4 150-200/7.5	150	315	940	275	700	485	930	440	500	300	500	18	391
ELD4 150-200/11	150	315	1045	275	700	485	930	440	500	300	500	18	433
ELD4 150-250/11	150	315	1045	275	700	495	955	440	500	300	500	18	445
ELD4 150-250/15	150	315	1045	275	700	495	955	440	500	300	500	18	471
ELD4 150-250/18.5	150	315	1045	275	700	495	955	440	500	300	500	18	517
ELD4 150-250/22	150	315	1045	275	700	495	955	440	500	300	500	18	589

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

FLANGE DIMENSIONS



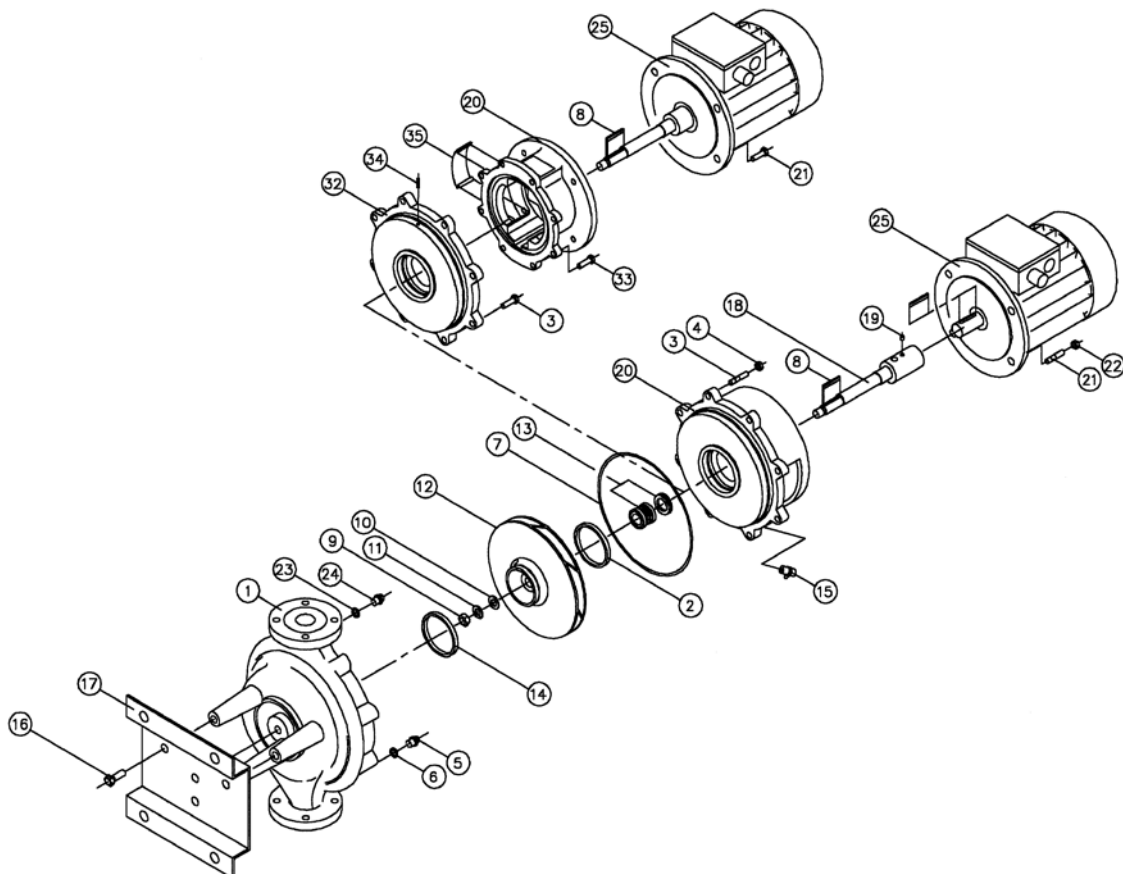
DN	d4	DIN 2532 PN10 k	D	N x d2
40	88	110	150	4 x 18
50	102	125	165	4 x 18
65	122	145	185	4 x 18
80	138	160	200	8 x 18
100	158	180	220	8 x 18
125	188	210	250	8 x 18
150	212	240	285	8 x 22
200	268	295	340	8 x 22

ELINED

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

ELINED - ELINED 4 SECTIONAL VIEW



MATERIALS TABLE

Ref.	Name	Material	Ref.	Name	Material
1	Pump body	Cast iron (GG-25)	16	Basement mounting bolts	DIN 933 5.6
2	Clearance ring (delivery side)	Cast iron (GG-25)	17	Base	AE-275CUNE3608
3	Lantern mounting bolt	DIN 939 5.6	18	Shaft	Stainless steel (AISI 316)
4	Lantern mounting nut	DIN 934 Zinc	19	Set of bolts	DIN 916 A2
5	Pressure gauge mounting cap	DIN 910	20	Lantern	Cast iron (GG-25)
6	O-Ring for pressure gauge cap	Aluminium	21	Lantern motor mounting bolts	DIN 939 5.6
7	Lantern gasket	BELPA CSA-25	22	Lantern motor mounting nuts	DIN 934
8	Impeller key	DIN 6885 X5CRNIMO18-10	23	Pressure gauge cap gasket (optional)	DIN 910
9	Impeller nut	Brass	24	Pressure gauge cap (optional)	Aluminium
10	Impeller nut washer	DIN 127 A2	25	Motor	-
11	Impeller washer	DIN 125 300HV	32	Seal disk	Cast iron (GG-25)
12	Impeller	Cast iron (GG-20)	33	Bolt	DIN 939 5.6
13	Mechanical seal	Carbon-Ceramic	34	Retainer stud	DIN 1481
14	Clearance ring (suction side)	Cast iron (GG-25)	35	Lateral guards	Aluminium
15	Air vent	Brass			

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

ELECTRICAL DATA TABLE

2 Poles

Model Three phase 230/400V 400/690V	P ₂ [HP] [kW]		Motor	Efficiency (%) Three phase η %	cosΦ	Absorbed current [A] Three phase 400V
ELD 40-160/2.2	3	2.2	90L	86.3	0.83	4.43
ELD 40-160/3	4	3	100L*	87.3	0.86	5.77
ELD 40-160/4	5.5	4	112M*	88.4	0.86	7.59
ELD 40-160/5.5	7.5	5.5	112M ⁽¹⁾	89.4	0.84	10.6
ELD 50-200/7.5	10	7.5	132S*	90.3	0.85	14.1
ELD 50-200/9.2	12.5	9.2	132M*	90.7	0.88	16.6
ELD 50-200/11	15	11	132M ⁽¹⁾	91.4	0.87	20.0
ELD 65-160/5.5	7.5	5.5	112M ⁽¹⁾	89.4	0.84	10.6
ELD 65-160/7.5	10	7.5	132S*	90.3	0.85	14.1
ELD 65-160/9.2	12.5	9.2	132M*	90.7	0.88	16.6
ELD 65-160/11	15	11	132M ⁽¹⁾	91.4	0.87	20.0
ELD 80-160/7.5	10	7.5	132S*	90.3	0.85	14.1
ELD 80-160/9.2	12.5	9.2	132M*	90.7	0.88	16.6
ELD 80-160/11	15	11	132M ⁽¹⁾	91.4	0.87	20.0
ELD 80-250/22	30	22	180M	92.9	0.86	39.7
ELD 80-250/30	40	30	200L	93.5	0.85	54.5
ELD 80-250/37	50	37	200L	93.8	0.84	67.8
ELD 100-160/11	15	11	160M	91.4	0.87	20.0
ELD 100-160/15	20	15	160M	92.1	0.85	27.7
ELD 100-160/18.5	25	18.5	160L	92.6	0.85	33.9
ELD 100-160/22	30	22	180M	92.9	0.86	39.7
ELD 100-160/30	40	30	200L	93.5	0.85	54.5
ELD 100-200/22	30	22	180M	92.9	0.86	39.7
ELD 100-200/30	40	30	200L	93.5	0.85	54.5
ELD 100-200/37	50	37	200L	93.8	0.84	67.8
ELD 100-250/30	40	30	200L	93.5	0.85	54.5
ELD 100-250/37	50	37	200L	93.8	0.84	67.8
ELD 125-200/30	40	30	200L	93.5	0.85	54.5
ELD 125-200/37	50	37	200L	93.8	0.84	67.8

* Motor with undersized flange

⁽¹⁾ Non-standard mounting.

ELECTRICAL DATA TABLE

4 Poles

Model Three phase 230/400V 400/690V	P ₂ [HP] [kW]		Motor	Efficiency (%) Three phase η %	cosΦ	Absorbed current [A] Three phase 400V
ELD4 40-160/0.55	0.75	0.55	80	80.8	0.80	1.23
ELD4 40-160/0.75	1	0.75	80	82.5	0.81	1.62
ELD4 50-200/1.1	1.5	1.1	90S	84.5	0.80	2.35
ELD4 50-200/1.5	2	1.5	90L	85.5	0.80	3.17
ELD4 50-250/2.2	3	2.2	100L	87.0	0.80	4.56
ELD4 50-250/3	4	3	100L	88.0	0.80	6.15
ELD4 65-160/0.75	1	0.75	80	82.5	0.81	1.62
ELD4 65-160/1.1	1.5	1.1	90S	84.5	0.80	2.35
ELD4 65-160/1.5	2	1.5	90L	85.5	0.80	3.17
ELD4 65-160/2.2	3	2.2	100L	87.0	0.80	4.56
ELD4 65-200/1.5	2	1.5	90L	85.5	0.80	3.17
ELD4 65-200/2.2	3	2.2	100L	87.0	0.80	4.56
ELD4 65-200/3	4	3	100L	88.0	0.80	6.15
ELD4 65-250/2.2	3	2.2	100L	87.0	0.80	4.56
ELD4 65-250/3	4	3	100L	88.0	0.80	6.15
ELD4 65-250/4	5.5	4	112M	88.8	0.81	8.03
ELD4 65-250/5.5	7.5	5.5	132S	89.7	0.85	10.4
ELD4 80-160/1.1	1.5	1.1	90S	84.5	0.80	2.35
ELD4 80-160/1.5	2	1.5	90L	85.5	0.80	3.17
ELD4 80-160/2.2	3	2.2	100L	87.0	0.80	4.56
ELD4 80-200/2.2	3	2.2	100L	87.0	0.80	4.56
ELD4 80-200/3	4	3	100L	88.0	0.80	6.15
ELD4 80-200/4	5.5	4	112M	88.8	0.81	8.03
ELD4 80-250/4	5.5	4	112M	88.8	0.81	8.03
ELD4 80-250/5.5	7.5	5.5	132S	89.7	0.85	10.4
ELD4 80-250/7.5	10	7.5	132M	90.6	0.86	13.9
ELD4 100-160/1.5	2	1.5	90L	85.5	0.80	3.17
ELD4 100-160/2.2	3	2.2	100L	87.0	0.80	4.56
ELD4 100-160/3	4	3	100L	88.0	0.80	6.15
ELD4 100-160/4	5.5	4	112M	88.8	0.81	8.03
ELD4 100-200/3	4	3	100L	88.0	0.80	6.15
ELD4 100-200/4	5.5	4	112M	88.8	0.81	8.03
ELD4 100-200/5.5	7.5	5.5	132S	89.7	0.85	10.4
ELD4 100-250/5.5	7.5	5.5	132S	89.7	0.85	10.4
ELD4 100-250/7.5	10	7.5	132M	90.6	0.86	13.9
ELD4 100-250/11	15	11	160M	91.6	0.83	20.9
ELD4 125-200/4	5.5	4	112M	88.8	0.81	8.03
ELD4 125-200/5.5	7.5	5.5	132S	89.7	0.85	10.4
ELD4 125-200/7.5	10	7.5	132M	90.6	0.86	13.9
ELD4 125-200/11	15	11	160M	91.6	0.83	20.9
ELD4 125-250/7.5	10	7.5	132M	90.6	0.86	13.9
ELD4 125-250/11	15	11	160M	91.6	0.83	20.9
ELD4 125-250/15	20	15	160L	92.3	0.84	27.9
ELD4 150-200/5.5	7.5	5.5	132S	89.7	0.85	10.4
ELD4 150-200/7.5	10	7.5	132M	90.6	0.86	13.9
ELD4 150-200/11	15	11	160M	91.6	0.83	20.9
ELD4 150-250/11	15	11	160M	91.6	0.83	20.9
ELD4 150-250/15	20	15	160L	92.3	0.84	27.9
ELD4 150-250/18.5	25	18.5	180M	92.8	0.82	35.1
ELD4 150-250/22	30	22	180L	93.2	0.83	41.0

IN-LINE NORMALISED ELECTRIC PUMPS

in cast iron

NOISE DATA TABLE

2 Poles

Model	[HP]	P ₂ [kW]	L _A - dB(A)
ELD 40-160/2.2	3	2.2	65
ELD 40-160/3	4	3	66
ELD 40-160/4	5.5	4	72
ELD 40-160/5.5	7.5	5.5	72
ELD 50-200/7.5	10	7.5	72
ELD 50-200/9.2	12.5	9.2	72
ELD 50-200/11	15	11	72
ELD 65-160/5.5	7.5	5.5	72
ELD 65-160/7.5	10	7.5	72
ELD 65-160/9.2	12.5	9.2	72
ELD 65-160/11	15	11	72
ELD 80-160/7.5	10	7.5	72
ELD 80-160/9.2	12.5	9.2	72
ELD 80-160/11	15	11	72
ELD 80-250/22	30	22	73
ELD 80-250/30	40	30	73
ELD 80-250/37	50	37	73
ELD 100-160/11	15	11	72
ELD 100-160/15	20	15	72
ELD 100-160/18.5	25	18.5	72
ELD 100-160/22	30	22	73
ELD 100-160/30	40	30	72
ELD 100-200/22	30	22	73
ELD 100-200/30	40	30	73
ELD 100-200/37	50	37	73
ELD 100-250/30	40	30	73
ELD 100-250/37	50	37	73
ELD 125-200/30	40	30	73
ELD 125-200/37	50	37	73

NOISE DATA TABLE

4 Poles

Model	[HP]	P ₂ [kW]	L _A - dB(A)
ELD4 40-160/0.55	0.75	0.55	45
ELD4 40-160/0.75	1	0.75	45
ELD4 50-200/1.1	1.5	1.1	48
ELD4 50-200/1.5	2	1.5	48
ELD4 50-250/2.2	3	2.2	48
ELD4 50-250/3	4	3	48
ELD4 65-160/0.75	1	0.75	45
ELD4 65-160/1.1	1.5	1.1	48
ELD4 65-160/1.5	2	1.5	48
ELD4 65-160/2.2	3	2.2	48
ELD4 65-200/1.5	2	1.5	48
ELD4 65-200/2.2	3	2.2	48
ELD4 65-200/3	4	3	48
ELD4 65-250/2.2	3	2.2	48
ELD4 65-250/3	4	3	48
ELD4 65-250/4	5.5	4	49
ELD4 65-250/5.5	7.5	5.5	58
ELD4 80-160/1.1	1.5	1.1	48
ELD4 80-160/1.5	2	1.5	48
ELD4 80-160/2.2	3	2.2	48
ELD4 80-200/2.2	3	2.2	48
ELD4 80-200/3	4	3	48
ELD4 80-200/4	5.5	4	49
ELD4 80-250/4	5.5	4	49
ELD4 80-250/5.5	7.5	5.5	58
ELD4 80-250/7.5	10	7.5	62
ELD4 100-160/1.5	2	1.5	48
ELD4 100-160/2.2	3	2.2	48
ELD4 100-160/3	4	3	48
ELD4 100-160/4	5.5	4	49
ELD4 100-200/3	4	3	48
ELD4 100-200/4	5.5	4	49
ELD4 100-200/5.5	7.5	5.5	58
ELD4 100-250/5.5	7.5	5.5	58
ELD4 100-250/7.5	10	7.5	62
ELD4 100-250/11	15	11	62
ELD4 125-200/4	5.5	4	49
ELD4 125-200/5.5	7.5	5.5	58
ELD4 125-200/7.5	10	7.5	58
ELD4 125-200/11	15	11	62
ELD4 125-250/7.5	10	7.5	62
ELD4 125-250/11	15	11	62
ELD4 125-250/15	20	15	62
ELD4 150-200/5.5	7.5	5.5	58
ELD4 150-200/7.5	10	7.5	62
ELD4 150-200/11	15	11	62
ELD4 150-250/11	15	11	62
ELD4 150-250/15	20	15	62
ELD4 150-250/18.5	25	18.5	64
ELD4 150-250/22	30	22	64