

# Electric pump

## EL604HHA/B

PUMP SPECIFICATIONS	Mod. A	Mod. B
Capacity [m <sup>3</sup> /h]	100	200
Head [m]	49	35
Impeller diameter [mm]/type	435/3 blades closed	
Flanged bore size [DN.../PN...]	DN100/PN10	DN150/PN10
Cross section diameter [mm]	35	
Weight (without cable) [kg]	1100	1130

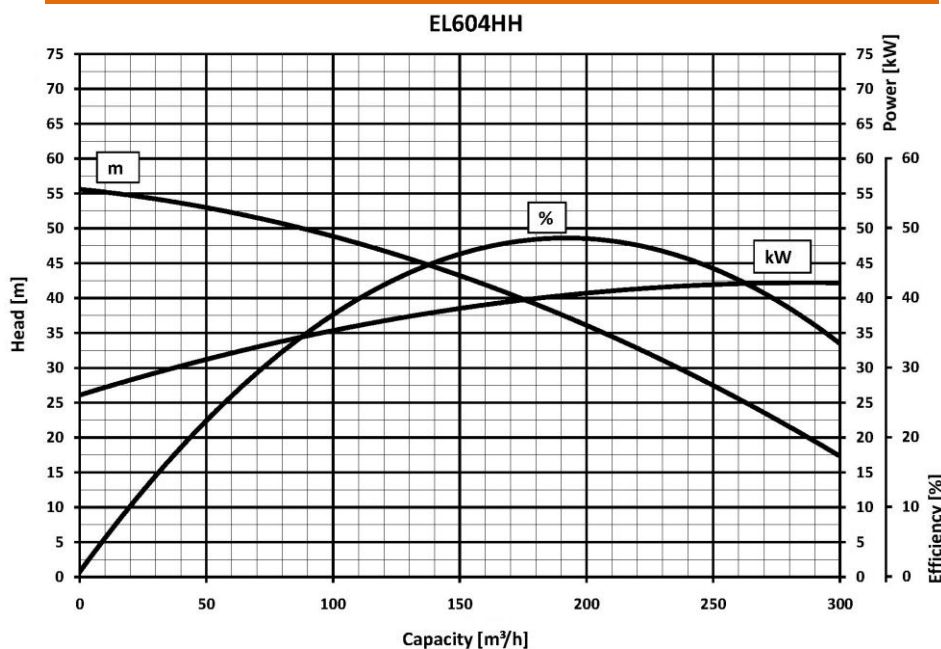
ELECTRIC MOTOR	
Power [kW-HP]	75-100
Voltage [V]/Current [A]	400/158
Phases/Poles/Frequency [Hz]	3/4/50
Speed [RPM]	1450
Insulation class	H
Power cable 20m (IEC 60245- 4)	H07RN-F 4G35

MATERIALS	
Casing	Spheroidal cast iron EN-GJS-500-7 (EN 1563)
Motor housing	Cast iron EN-GJL-250 (EN 1561)
Wear parts	High chrome EN-GJN-HV600 (XCr18) (EN 12513)
Main shaft	High tensile steel 39NiCrMo3 (AISI 9840)

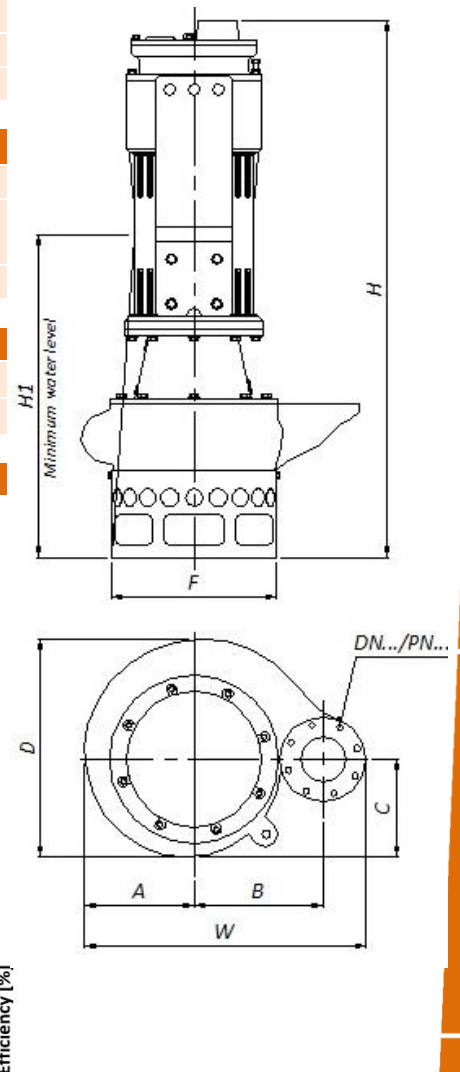
SEALS / LUBRICANT	
Motor side seals	1 mechanical seal (silicon carbide in oil bath)
Impeller side seals	1 mechanical seal (silicon carbide in oil bath) + 1 lip seal (BUNA) + 1 V-RING (TPU)
Oil type	ISO 320

DIMENSIONS [mm]							
H	W	D	F	H1	A	B	C
1450	902	774	600	1000	374	418	363

### PERFORMANCE CURVES



We reserve the right to make changes without notice



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PUMP SPECIFICATIONS	Mod. A	Mod. B
Capacity [m <sup>3</sup> /h - (USGPM)]	100 - (440)	200 - (880)
Head [m - (ft)]	49 - (159,3)	35 - (113,7)
Impeller diameter [mm - (in)]/type	380 - (15,2)/3 blades closed	
Flanged bore size [DN.../PN... - (in)]	DN000/PN10 - (4)	DN150/PN10 - (6)
Cross section diameter [mm - (in)]	35 - (1.4)	
Weight (without cable) [kg - (lbs)]	1100 - (2420)	1130 - (2464)

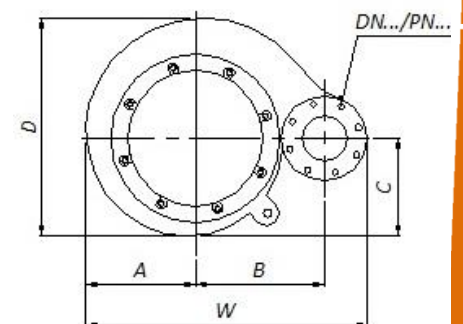
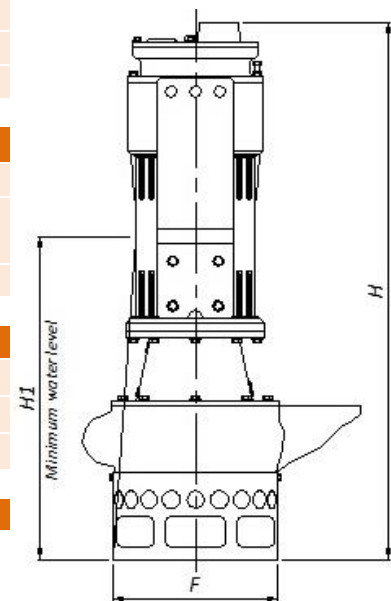
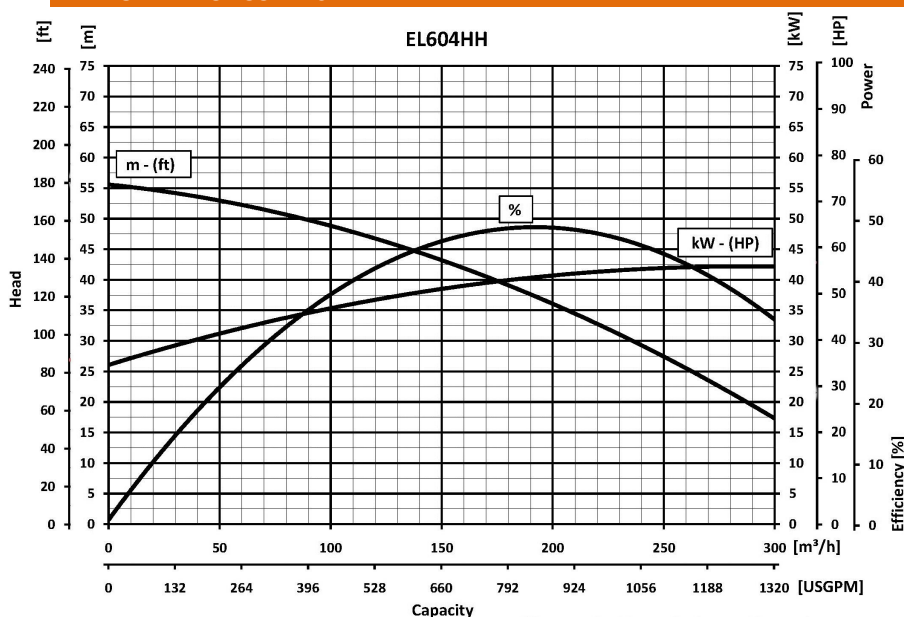
ELECTRIC MOTOR	
Power [kW-HP]	75-100
Voltage [V]/Current [A]	460/141
Phases/Poles/Frequency [Hz]	3/4/60
Speed [RPM]	1750
Insulation class	H
Power cable 20m (IEC 60245- 4)	H07RN-F 4G35

MATERIALS	
Casing	Spheroidal cast iron EN-GJS-500-7 (EN 1563)
Motor housing	Cast iron EN-GJL-250 (EN 1561)
Wear parts	High chrome EN-GJN-HV600 (XCr18) (EN 12513)
Main shaft	High tensile steel 39NiCrMo3 (AISI 9840)

SEALS / LUBRICANT	
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Oil type	ISO 320

DIMENSIONS [mm - (in)]							
H	W	D	F	H1	A	B	C
1450	902	774	600	1000	374	418	363
(58)	(36)	(31)	(24)	(40)	(15)	(16.7)	(14.5)

### PERFORMANCE CURVES



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PUMP SPECIFICATIONS	Mod. A	Mod. B
Capacity [m <sup>3</sup> /h]	100	200
Head [m]	49	35
Impeller diameter [mm]/type	435/3 blades closed	
Flanged bore size [DN.../PN...]	DN100/PN10	DN150/PN10
Cross section diameter [mm]	35	
Weight (without cable) [kg]	1100	1130

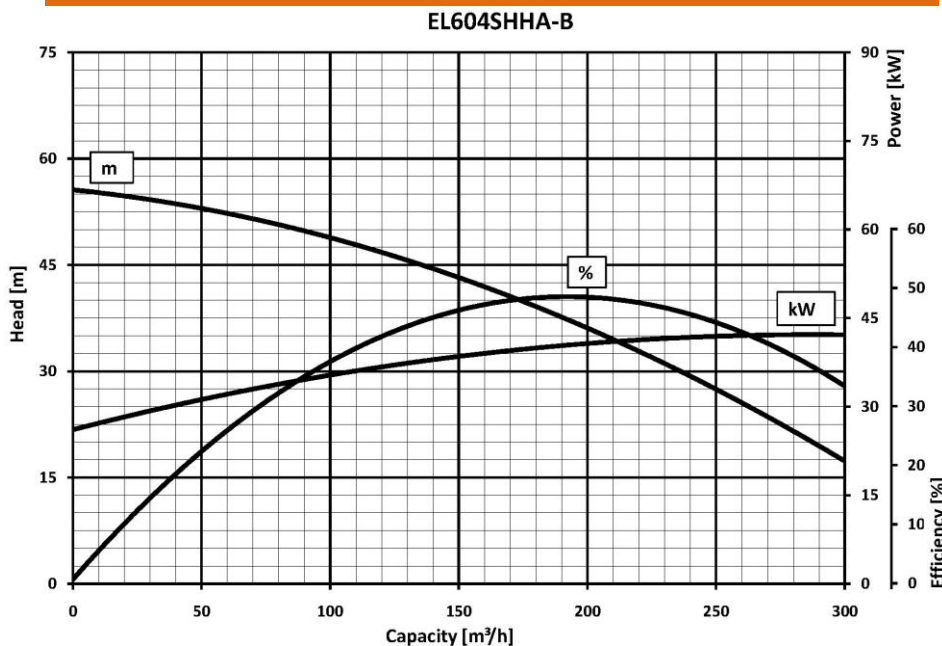
ELECTRIC MOTOR	
Power [kW-HP]	90-120
Voltage [V]/Current [A]	400/158
Phases/Poles/Frequency [Hz]	3/4/50
Speed [RPM]	1450
Insulation class	H
Power cable 20m (IEC 60245- 4)	H07RN-F 4G35

MATERIALS	
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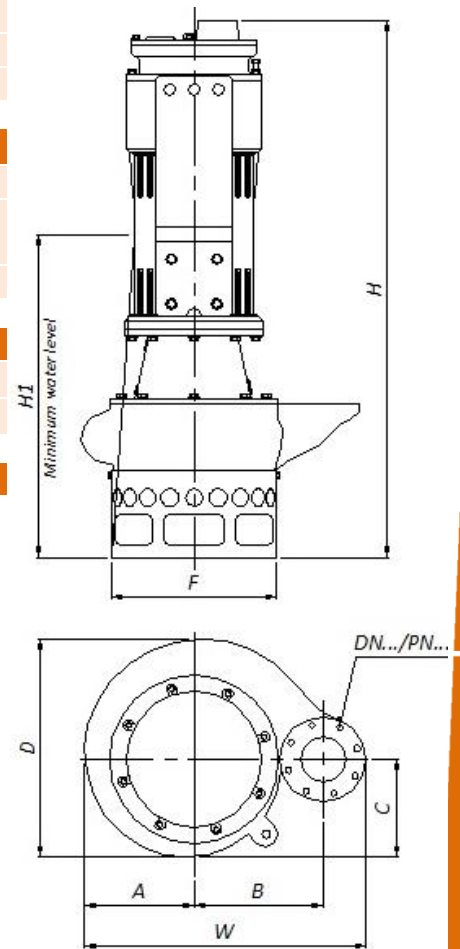
SEALS / LUBRICANT	
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DIMENSIONS [mm]							
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# Electric pump

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PUMP SPECIFICATIONS	Mod. A	Mod. B
Capacity [m <sup>3</sup> /h - (USGPM)]	100 - (440)	200 - (880)
Head [m - (ft)]	49 - (159)	35 - (114)
Impeller diameter [mm - (in)]/type	380 - (15,2)/3 blades closed	
Flanged bore size [DN.../PN... - (in)]	DN000/PN10 - (4)	DN150/PN10 - (6)
Cross section diameter [mm - (in)]	35 - (1.4)	
Weight (without cable) [kg - (lbs)]	1100 - (2420)	1130 - (2464)

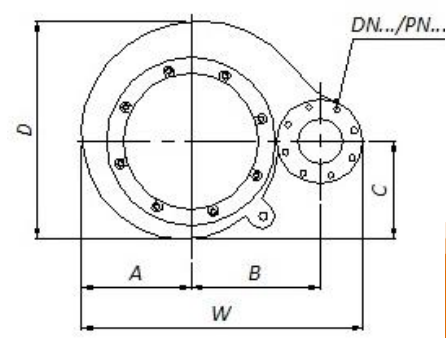
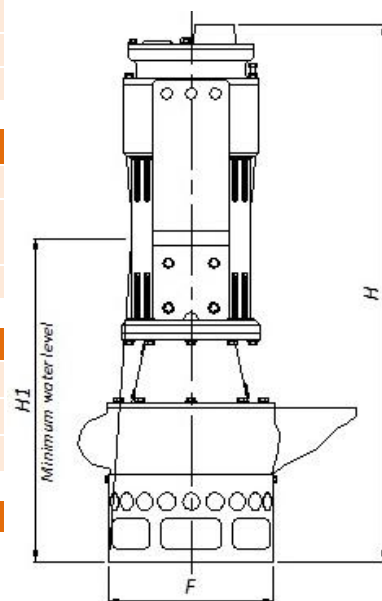
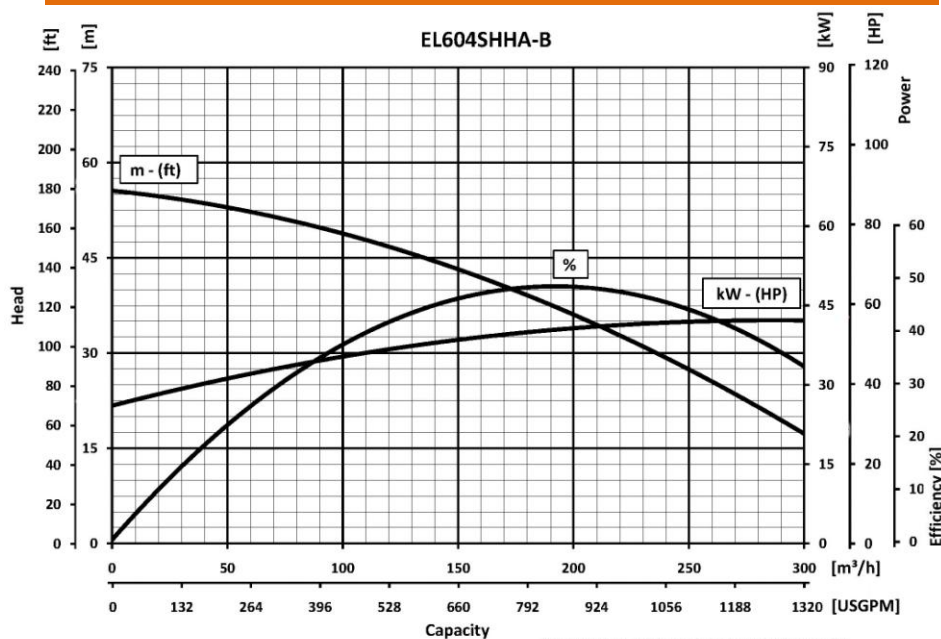
ELECTRIC MOTOR	
Power [kW-HP]	90-120
Voltage [V]/Current [A]	460/141
Phases/Poles/Frequency [Hz]	3/4/60
Speed [RPM]	1750
Insulation class	H
Power cable 20m (IEC 60245- 4)	H07RN-F 4G35

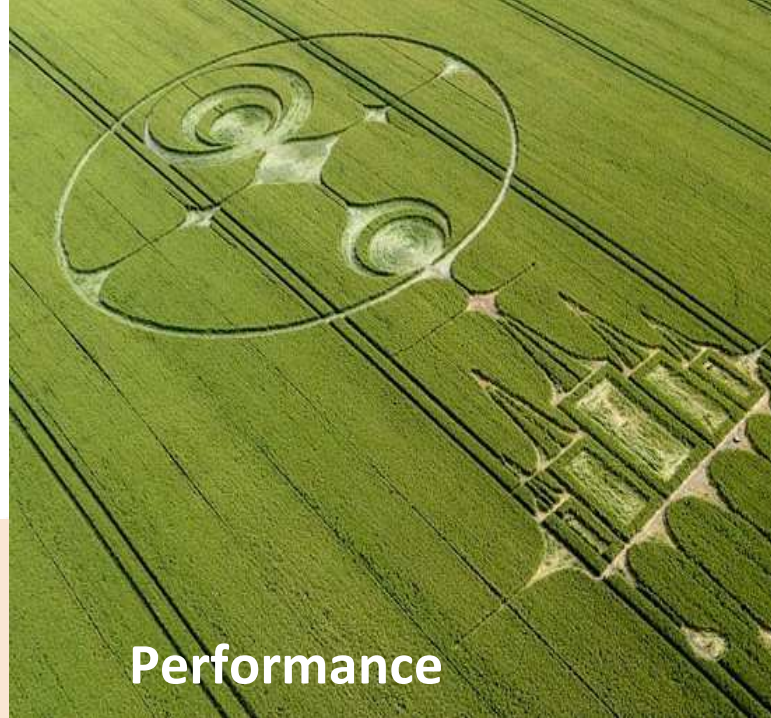
MATERIALS	
Casing	Spheroidal cast iron EN-GJS-500-7 (EN 1563)
Motor housing	Cast iron EN-GJL-250 (EN 1561)
Wear parts	High chrome EN-GJN-HV600 (XCr18) (EN 12513)
Main shaft	High tensile steel 39NiCrMo3 (AISI 9840)

SEALS / LUBRICANT	
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Oil type	ISO 320

DIMENSIONS [mm - (in)]							
H	W	D	F	H1	A	B	C
1450	902	774	600	1000	374	418	363
(58)	(36)	(31)	(24)	(40)	(15)	(16.7)	(14.5)

### PERFORMANCE CURVES





## Performance

Capacity:

100 mm (4") discharge:  
 90 m<sup>3</sup>/h at 75m  
 (400 gpm @ 246 ft)

150 mm (6") discharge  
 200 m<sup>3</sup>/h at 62m  
 (800 gpm at 203 ft)

Slurry specific gravity 1,4

Solid handling 35mm (1,37")

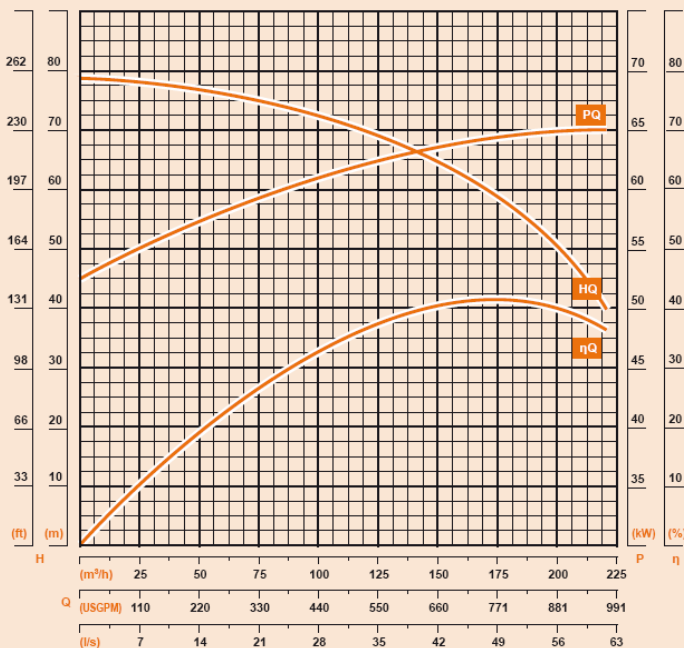
Power 120HP (90kW)

Motor insulation: CLASS H

RPM 1450 @ 50Hz  
 1750 @ 60Hz

Wear Parts: High Chrome

Seals: Double mechanical seal



# Electric pump

## EL1204HHA/B/C

PUMP SPECIFICATIONS	Mod. A	Mod. B	Mod. C
Capacity [m <sup>3</sup> /h]	100	200	300
Head [m]	72	60	42.5
Impeller diameter [mm]/type	490/2 blades closed		
Flanged bore size [DN.../PN...]	DN100 PN10	DN150 PN10	DN200 PN10
Cross section diameter [mm]	35		
Weight (without cable) [kg]	1100	1130	1160

### ELECTRIC MOTOR

Power [kW-HP]	90-120
Voltage [V]/Current [A]	400/158
Phases/Poles/Frequency [Hz]	3/4/50
Speed [RPM]	1450
Insulation class	H
Power cable 20m (IEC 60245- 4)	H07RN-F 4G35

### MATERIALS

Casing	Spheroidal cast iron EN-GJS-800-2 (EN 1563)
Motor housing	Cast iron EN-GJL-250 (EN 1561)
Wear parts	High chrome EN-GJN-HV600 (XCr18) (EN 12513)
Main shaft	High tensile steel 39NiCrMo3 (AISI 9840)

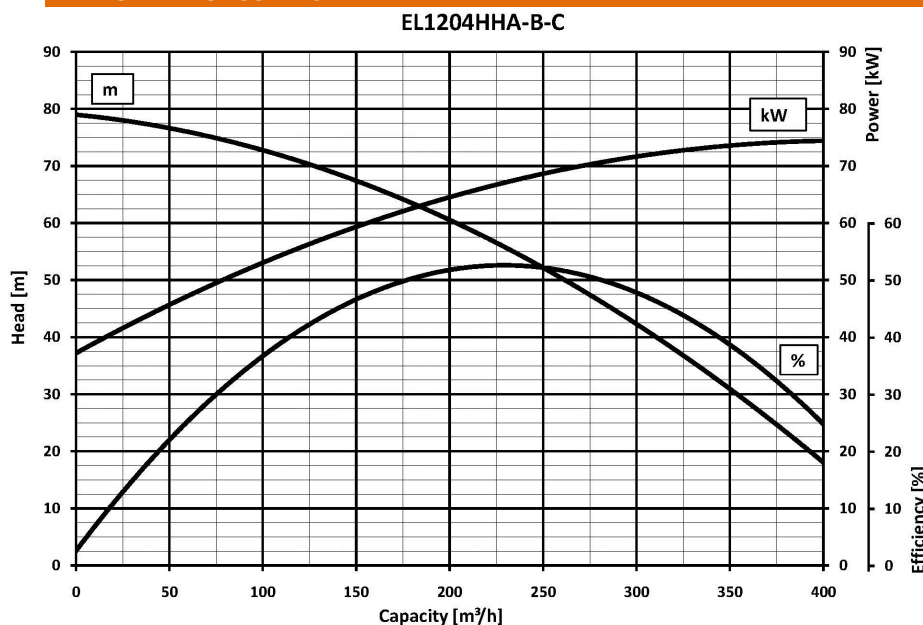
### SEALS / LUBRICANT

Motor side seals	1 mechanical seal (silicon carbide in oil bath)
Impeller side seals	1 mechanical seal (silicon carbide in oil bath) + 1 lip seal (BUNA) + 1 V-RING (TPU)
Oil type	ISO 32

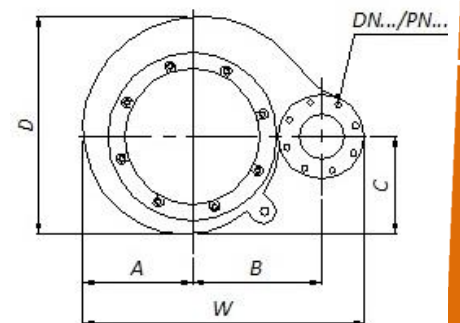
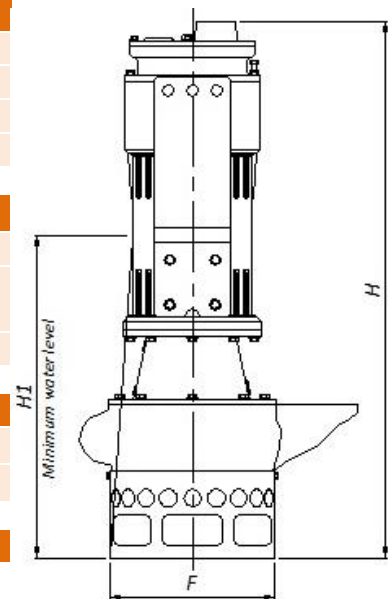
### DIMENSIONS [mm]

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### PERFORMANCE CURVES



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# Electric pump

## EL1204HHA/B/C

PUMP SPECIFICATIONS	Mod. A	Mod. B	Mod. C
Capacity [m <sup>3</sup> /h - (USGPM)]	100 - (440)	200 - (880)	300 - (1320)
Head [m - (ft)]	72 - (234)	60 - (195)	42.5 - (138)
Impeller diameter [mm - (in)]/type	435 - (17,4)/2 blades closed		
Flanged bore size [DN.../PN... - (in)]	DN100 PN10 - (4)	DN150 PN10 - (6)	DN200 PN10 - (8)
Cross section diameter [mm - (in)]	35 - (1.4)		
Weight (without cable) [kg - (lbs)]	1100 (2420)	1130 (2486)	1160 (2552)

ELECTRIC MOTOR	
Power [kW-HP]	90-120
Voltage [V]/Current [A]	460/141
Phases/Poles/Frequency [Hz]	3/4/60
Speed [RPM]	1750
Insulation class	H
Power cable 20m (IEC 60245- 4)	H07RN-F 4G35

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(58)	(36)	(31)	(24)	(40)	(15)	(16.7)	(14.5)

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