

In-Line Dry Rotor Circulating Pumps

- ✓ EILR Series
- ✓ EILR - HF Series

EILR - EILR HF SERIES IN-LINE DRY ROTOR CIRCULATING PUMPS



EILR-HF series frequency control module installed in-line pump

With the EILR - EILR HF series in-line dry rotor circulating pumps, keep comfort and energy efficiency at the highest level

- Direct connection to the installation with in-line connection (inlet and outlet on the same line)
- Used in cold & hot water circulation cycles of domestic and industrial heating & cooling, air-conditioning, and plumbing.

Fluid Property

- Handling of water and clean, chemically non-aggressive liquids.
- The maximum glycol ratio that can be added to the circulation water is 30%.

Specifications

Max. Flow Rate	: 280 m ³ /h
Max. Head	: 103 mwc
Maximum working pressure	: 10 bar
Connection flanges	: PN16 for DN 40 – DN 125
Motor Speed	: 975 rpm (50 Hz), 2900 rpm (50 Hz), 1450 rpm (50 Hz)
Power	: 0.25 kW - 45 kW
Max. Ambient Temperature	: 40°C
Temperature of Pumped Liquid	: -10 ÷ +130°C
Protection Class	: IP44
Insulation Class	: Class F

Design Properties

Pump Body	: GG25 Cast Iron
Shaft	: AISI 420 - Stainless Steel
Impeller	: GG25 Cast Iron
Adapter	: GG25 Cast Iron
Mechanical Seal	: Carbon / Ceramic / EPDM
Support Body	: GG25 Cast Iron
Elastomers	: EPDM

- Three-phase asynchronous motor with external cooling
- Recommended to be used with extreme current protection panel for motor protection

- Pumps are mounted in-line connection and single-stage centrifugal pumps with mechanical seals. EILR series pumps are on motor shaft with pump shaft and adapter. Rotary parts can be serviced without removing the pump body from the installation.

EILR-HF Series Technical Characteristics

- Variable speed control system which is located on the top of the electric motor, for managing pump operation according to system conditions. This provide energy savings, lower operating costs, greater comfort.

Accessories which is supplied according to demand

- Galvanised threaded pump flange
- Base foot to assemble the pump on the floor
- Different materials for mechanical seal and pump seals

Installation

- Can be installed horizontally or vertically providing the motor terminal box is upwards.
- Motor powers 5.5kW and higher, for installation in the horizontal position, the electric pump should be mounted on a pump foot. If the electric pump installed in vertical position the motor must be supported over 5.5kW.

EIL PUMP SOUND LEVEL

PUMP TYPE		POWER (kW)	SPEED (rpm)	SOUND LEVEL
EILR	100-250	1,5	975	47
EILR	100-250	2,2	975	52
EILR	100-250	3	975	63
EILR	100-250	4	975	63
EILR	125-250	2,2	975	52
EILR	125-250	3	975	63
EILR	125-250	4	975	63
EILR	125-250	5,5	975	63

PUMP TYPE		POWER (kW)	SPEED (rpm)	SOUND LEVEL
EILR	40-125	0,25	1450	45
EILR	40-125	0,37	1450	46
EILR	40-125	0,55	1450	47
EILR	40-160	0,37	1450	46
EILR	40-160	0,55	1450	47
EILR	40-160	0,75	1450	48
EILR	40-200	0,75	1450	48
EILR	40-200	1,1	1450	49
EILR	40-200	1,5	1450	50
EILR	40-250	1,1	1450	49
EILR	40-250	1,5	1450	50
EILR	40-250	2,2	1450	51
EILR	40-250	3	1450	52
EILR	50-125	0,25	1450	45
EILR	50-125	0,37	1450	46
EILR	50-125	0,55	1450	47
EILR	50-160	0,37	1450	46
EILR	50-160	0,55	1450	47
EILR	50-160	0,75	1450	48
EILR	50-160	1,1	1450	49
EILR	50-200	0,75	1450	48
EILR	50-200	1,1	1450	49
EILR	50-200	1,5	1450	50
EILR	50-200	2,2	1450	51
EILR	50-250	1,1	1450	49
EILR	50-250	1,5	1450	50
EILR	50-250	2,2	1450	51
EILR	50-250	3	1450	52

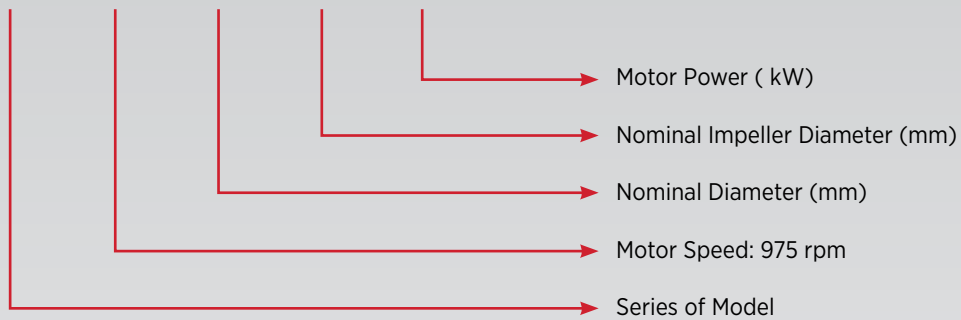
PUMP TYPE		POWER (kW)	SPEED (rpm)	SOUND LEVEL
EILR	65-125	0,37	1450	46
EILR	65-125	0,55	1450	47
EILR	65-125	0,75	1450	48
EILR	65-160	0,55	1450	47
EILR	65-160	0,75	1450	48
EILR	65-160	1,1	1450	49
EILR	65-160	1,5	1450	50
EILR	65-200	0,75	1450	48
EILR	65-200	1,1	1450	49
EILR	65-200	1,5	1450	50
EILR	65-200	2,2	1450	51
EILR	65-250	1,5	1450	50
EILR	65-250	2,2	1450	51
EILR	65-250	3	1450	52
EILR	65-250	4	1450	53
EILR	80-160	0,75	1450	48
EILR	80-160	1,1	1450	49
EILR	80-160	1,5	1450	50
EILR	80-160	2,2	1450	51
EILR	80-200	1,5	1450	50
EILR	80-200	2,2	1450	51
EILR	80-200	3	1450	52
EILR	80-200	4	1450	53
EILR	80-250	3	1450	52
EILR	80-250	4	1450	53
EILR	80-250	5,5	1450	54
EILR	80-250	7,5	1450	55
EILR	100-160	1,1	1450	49
EILR	100-160	1,5	1450	50
EILR	100-160	2,2	1450	51
EILR	100-160	3	1450	52
EILR	100-200	3	1450	52
EILR	100-200	4	1450	53
EILR	100-200	5,5	1450	54
EILR	100-200	7,5	1450	55
EILR	100-250	4	1450	53
EILR	100-250	5,5	1450	54
EILR	100-250	7,5	1450	55
EILR	100-250	11	1450	63
EILR	125-200	3	1450	52
EILR	125-200	4	1450	53
EILR	125-200	5,5	1450	54
EILR	125-200	7,5	1450	55
EILR	125-250	5,5	1450	54
EILR	125-250	7,5	1450	55
EILR	125-250	11	1450	63
EILR	125-250	15	1450	54

PUMP TYPE		POWER (kW)	SPEED (rpm)	SOUND LEVEL
EILR	40-125	1,1	2900	55
EILR	40-125	1,5	2900	61
EILR	40-125	2,2	2900	62
EILR	40-125	3	2900	62
EILR	40-160	2,2	2900	62
EILR	40-160	3	2900	62
EILR	40-160	4	2900	63
EILR	40-160	5,5	2900	66
EILR	40-200	3	2900	62
EILR	40-200	4	2900	63
EILR	40-200	5,5	2900	66
EILR	40-200	7,5	2900	67
EILR	40-250	7,5	2900	67
EILR	40-250	11	2900	68
EILR	40-250	15	2900	71
EILR	40-250	18,5	2900	72
EILR	50-125	1,5	2900	61
EILR	50-125	2,2	2900	62
EILR	50-125	3	2900	62
EILR	50-125	4	2900	63
EILR	50-160	2,2	2900	62
EILR	50-160	3	2900	62
EILR	50-160	4	2900	63
EILR	50-160	5,5	2900	66
EILR	50-200	4	2900	63
EILR	50-200	5,5	2900	66
EILR	50-200	7,5	2900	67
EILR	50-200	11	2900	68
EILR	50-250	15	2900	71
EILR	50-250	18,5	2900	72
EILR	50-250	22	2900	73
EILR	50-250	30	2900	73
EILR	65-125	2,2	2900	62
EILR	65-125	3	2900	62
EILR	65-125	4	2900	63
EILR	65-125	5,5	2900	66
EILR	65-160	3	2900	62
EILR	65-160	4	2900	63
EILR	65-160	5,5	2900	66
EILR	65-160	7,5	2900	67
EILR	65-160	11	2900	68
EILR	65-200	5,5	2900	66
EILR	65-200	7,5	2900	67
EILR	65-200	11	2900	68
EILR	65-200	15	2900	71
EILR	65-250	15	2900	71
EILR	65-250	18,5	2900	72
EILR	65-250	22	2900	73
EILR	65-250	30	2900	73

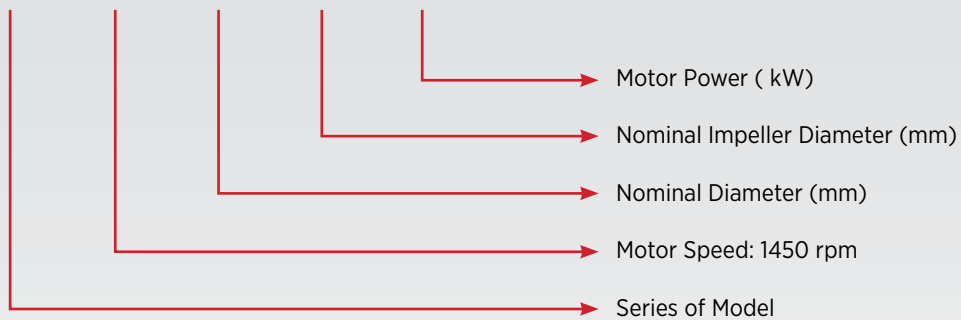
PUMP TYPE		POWER (kW)	SPEED (rpm)	SOUND LEVEL
EILR	80-160	4	2900	63
EILR	80-160	5,5	2900	66
EILR	80-160	7,5	2900	67
EILR	80-160	11	2900	68
EILR	80-160	15	2900	71
EILR	80-200	11	2900	68
EILR	80-200	15	2900	71
EILR	80-200	18,5	2900	72
EILR	80-200	22	2900	73
EILR	80-200	30	2900	73
EILR	80-250	18,5	2900	72
EILR	80-250	22	2900	73
EILR	80-250	30	2900	73
EILR	80-250	37	2900	74
EILR	80-250	45	2900	75
EILR	100-160	7,5	2900	67
EILR	100-160	11	2900	68
EILR	100-160	15	2900	71
EILR	100-160	18,5	2900	72
EILR	100-200	15	2900	71
EILR	100-200	18,5	2900	72
EILR	100-200	22	2900	73
EILR	100-200	30	2900	73
EILR	100-200	37	2900	74
EILR	100-200	45	2900	75
EILR	100-250	22	2900	73
EILR	100-250	30	2900	73
EILR	100-250	37	2900	74
EILR	100-250	45	2900	75
EILR	125-200	22	2900	73
EILR	125-200	30	2900	73
EILR	125-200	37	2900	74
EILR	125-200	45	2900	75

EILR - EILR HF SERIES PUMP IDENTIFICATION CODE AND LABEL

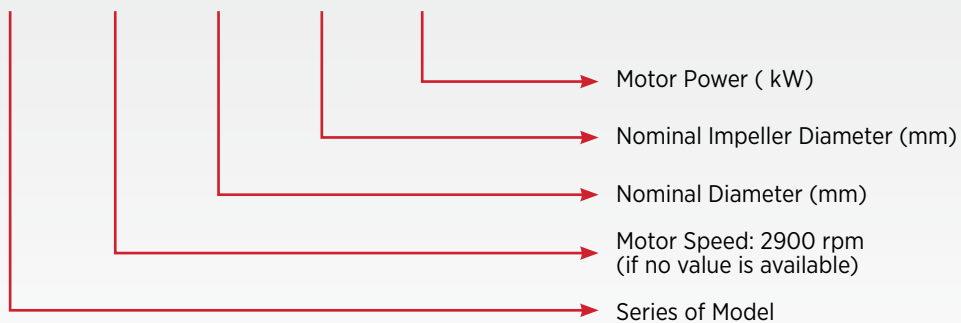
EILR 6 40 - 125 / 0,37



EILR 4 40 - 125 / 0,37



EILR 40 - 125 / 0,37



ETNA				Alp Pompa Teknolojileri San. Tic. A.Ş. Dudullu OSB. 2. Cad. No: 14 34775 Ümraniye - İstanbul / Türkiye Tel : +90 216 561 47 74 (Pbx)	
①	TYPE :	MEI ≥ 0,4		⑧	Minimum Efficiency Index Value
⑤	Q :	m ³ /h	H :	mSS	②
⑥	CYCLE :	rpm	POWER :	Kw	③
⑦	BATCH NO :	YEAR :		④	Year of Manufacture

EILR-EILR4-EILR6

LIST OF MODELS AND TABLE OF MATERIALS



MODELS 6 POLES (2900 rpm)		
100-250/15	100-250/40	125-250/40
100-250/22	125-250/22	125-250/55
100-250/30	125-250/30	

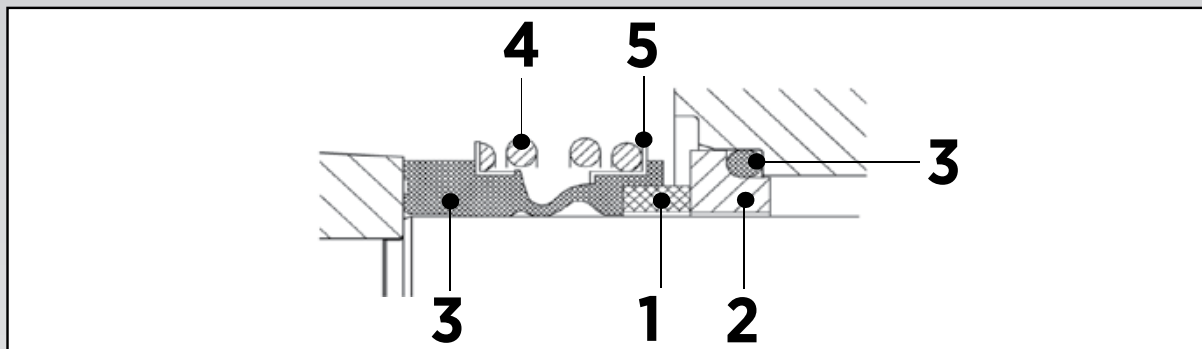
MODELS 4 POLES (2900 rpm)		
40-125/02	50-250/15	80-200/40
40-125/03	50-250/22*	80-250/30
40-125/05*	50-250/30	80-250/40
40-160/03	65-125/03	80-250/55*
40-160/05*	65-125/05*	80-250/75
40-160/07	65-125/07	100-160/11
40-200/07	65-160/05*	100-160/15
40-200/11	65-160/07	100-160/22*
40-200/15	65-160/11	100-160/30
40-250/11	65-160/15	100-200/30
40-250/15	65-200/07	100-200/40
40-250/22*	65-200/11	100-200/55*
40-250/30	65-200/15	100-200/75
50-125/02	65-200/22*	100-250/40
50-125/03	65-250/15	100-250/55*
50-125/05*	65-250/22*	100-250/75
50-160/03	65-250/30	100-250/110*
50-160/05*	65-250/40	125-200/30
50-160/07	80-160/07	125-200/40
50-160/11*	80-160/11	125-200/55*
50-200/07	80-160/15	125-200/75
50-200/11	80-160/22*	125-250/55*
50-200/15	80-200/15	125-250/75
50-200/22*	80-200/22*	125-250/110*
50-250/11	80-200/30	125-250/150

MODELS 2 POLES (2900 rpm)		
40-125/11	50-250/150	80-200/185
40-125/15*	50-250/185	80-200/220*
40-125/22	50-250/220*	80-200/300*
40-125/30*	50-250/300*	80-250/185
40-160/22	65-125/22	80-250/220*
40-160/30*	65-125/30*	80-250/300*
40-160/40*	65-125/40*	80-250/370
40-160/55*	65-125/55*	80-250/450*
40-200/30*	65-160/30*	100-160/75*
40-200/40*	65-160/40*	100-160/110*
40-200/55*	65-160/55*	100-160/150
40-200/75*	65-160/75*	100-160/185
40-250/75*	65-160/110*	100-200/150
40-250/110*	65-200/55*	100-200/185
40-250/150	65-200/75*	100-200/220*
40-250/185	65-200/110*	100-200/300*
50-125/15*	65-200/150	100-200/370
50-125/22	65-250/150	100-200/450*
50-125/30*	65-250/185	100-250/220*
50-125/40*	65-250/220*	100-250/300*
50-160/22	65-250/300*	100-250/370
50-160/30*	80-160/40*	100-250/450*
50-160/40*	80-160/55*	125-200/220*
50-160/55*	80-160/75*	125-200/300*
50-200/40*	80-160/110*	125-200/370
50-200/55*	80-160/150	125-200/450*
50-200/75*	80-200/110*	
50-200/110*	80-200/150	

MATERIALS				
REF. No.	PART	MATERIAL	REF. REFERENCE STANDARDS	
			EUROPE	USA
1	Pump Body	Cast Iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
2	Seal Body	Cast Iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
3	Mechanical Seal Body	Cast Iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
4	Shaft	Stainless Steel	EN 10088-1-X2CrN Mo17-12-2 (1.4404)	AISI420
5	Impeller Nuts and Air Release Valve	Stainless Steel	EN 10088-1-X2CrN Mo17-12-2 (1.4404)	AISI 316L
6	Key	Stainless Steel	EN 10088-1-X2CrN Mo17-12-2 (1.4404)	AISI 316L
7	Plug and Air Discharge Valve	Nickel Plated Brass	EN 12164-CuZn39Pb3 (CW614N)	-
8	Fill / Drain Plugs	Nickel Plated Brass	EN 12164-CuZn39Pb3 (CW614N)	-
9	Mechanical Seal	Resin Impregnated Carbon/ Silicon Carbide/ EPDM/ AISI 304 (Standard Version)		
10	O-ring	EPDM (Standard Version)		
11	Pump Flange	Cast Iron	EN 1561-GJL-250 (JL1040)	ASTM Class 35
12	Pump Body Fastening Bolts and Washers	Galvanized Steel		

EILR SERIES MECHANICAL SEAL

Mechanical seal connection dimensions in accordance with EN 12756 and ISO 3069



List of Materials

Positions 1-2	Positions 3	Positions 4 - 5
B : Resin impregnated carbon	E : EPDM	G : AISI 316
A : Antimony impregnated carbon	V : FKM (FPM)	
Q ₁ : Silicium Carbide		
U ₃ : Tungsten Carbide		

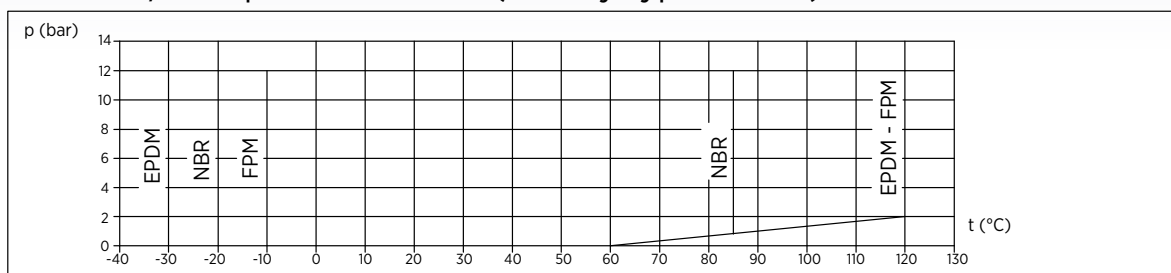
EIL Seal Type

Tip	Position					Temperature (°C)
	1 Rotating Part	2 Stationary Part	3 Elastics	4 Springs	5 Other Parts	
Standard Mechanical Seal						
Q, Q, E G G	Q ₁	Q ₁	E	G	G	-30/+120
Other Mechanical Seal Types						
V B V G G	V	B	V	G	G	-10/+120
Q, B V G G	Q ₁	B	V	G	G	-10/+120
Q, Q, V G G	Q ₁	Q ₁	V	G	G	-10/+120
V B E G G	V	B	E	G	G	-30/+120
Q, B E G G	Q ₁	B	E	G	G	-30/+120
Q, Q, E G G	Q ₁	Q ₁	E	G	G	-30/+120

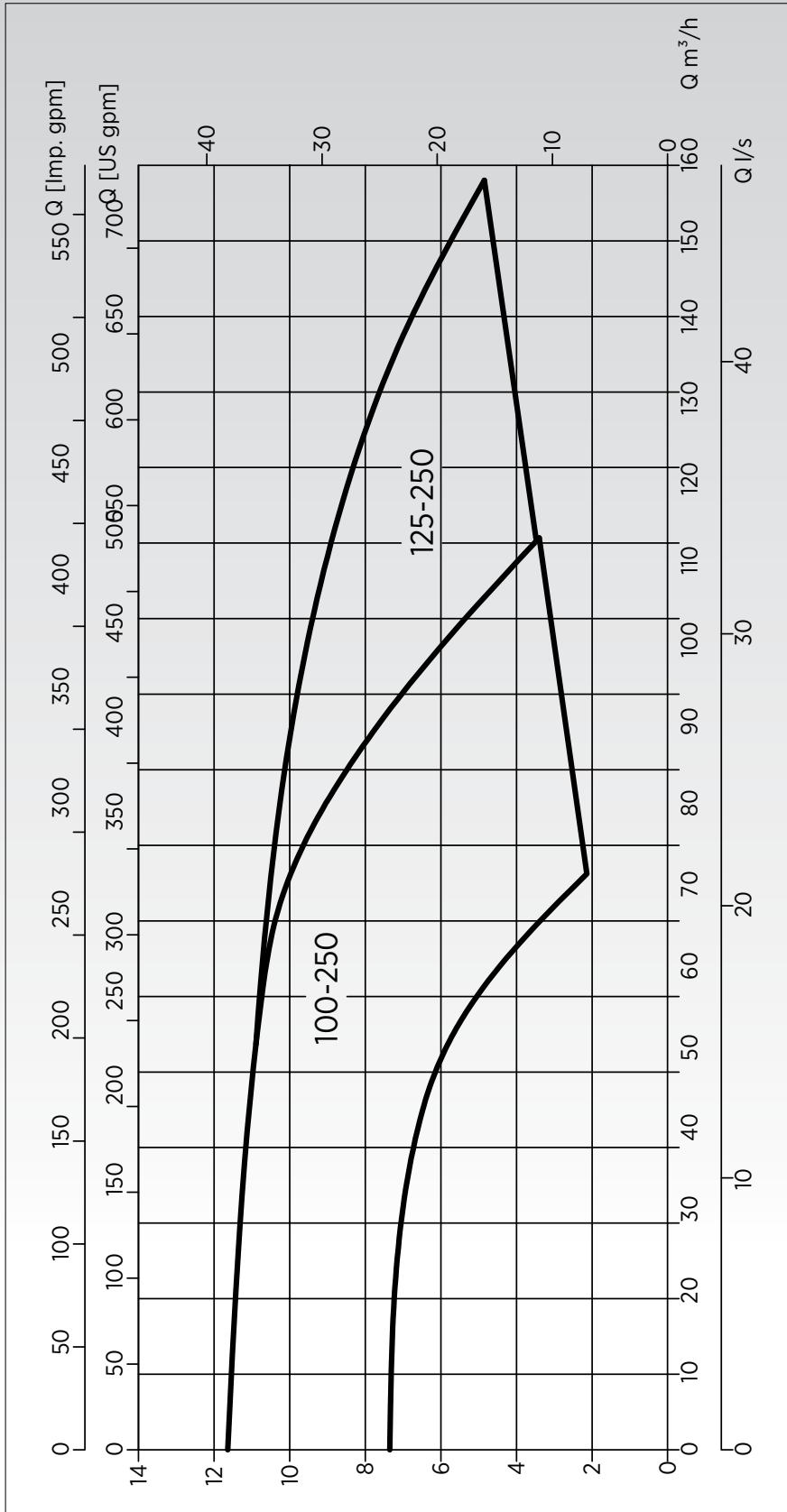
EIL R Salmastra Tipi

TİP	Pozisyon					Temperature (°C)
	1 Rotating Part	2 Stationary Part	3 Elastics	4 Springs	5 Other Parts	
Standard Mechanical Seal						
Q, B E G G	Q ₁	B	E	G	G	-30/+120
Other Mechanical Seal Types						
Q, B V G G	Q ₁	B	V	G	G	-10/+120
Q, Q, V G G	Q ₁	Q ₁	V	G	G	-10/+120

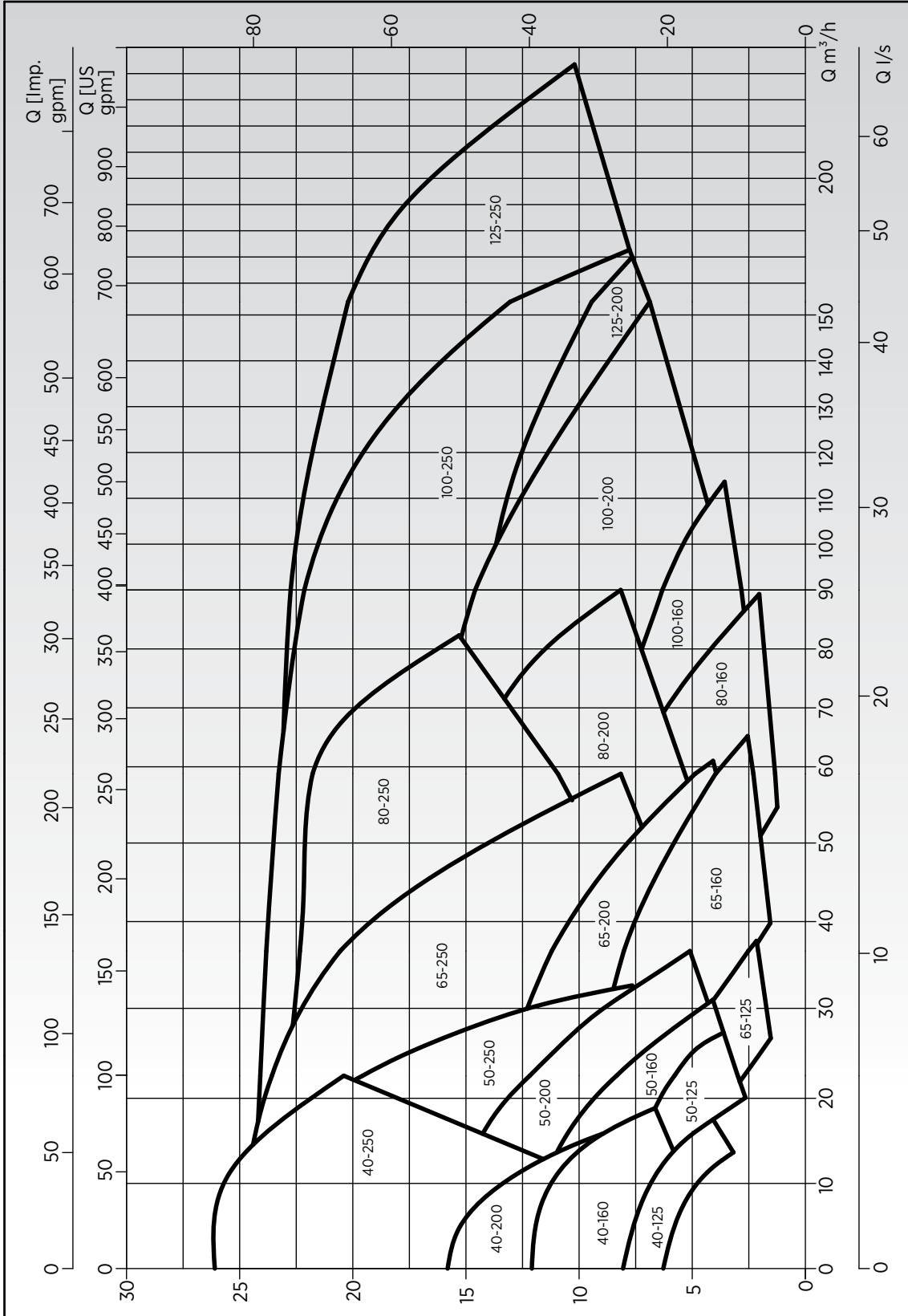
Pressure / Temperature Limits (for any type of seal)



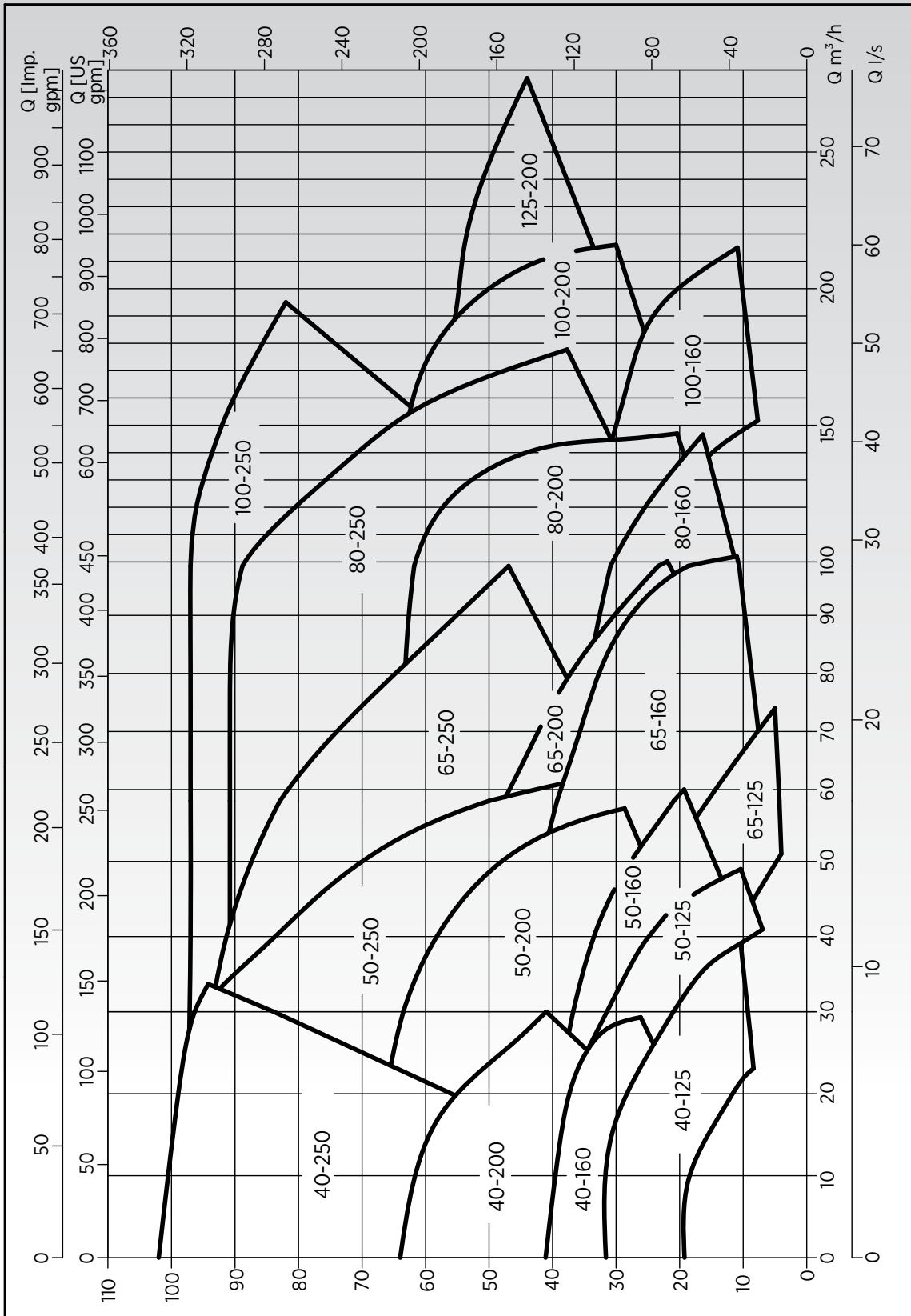
6 Pole Motor (975 rpm) - 50Hz



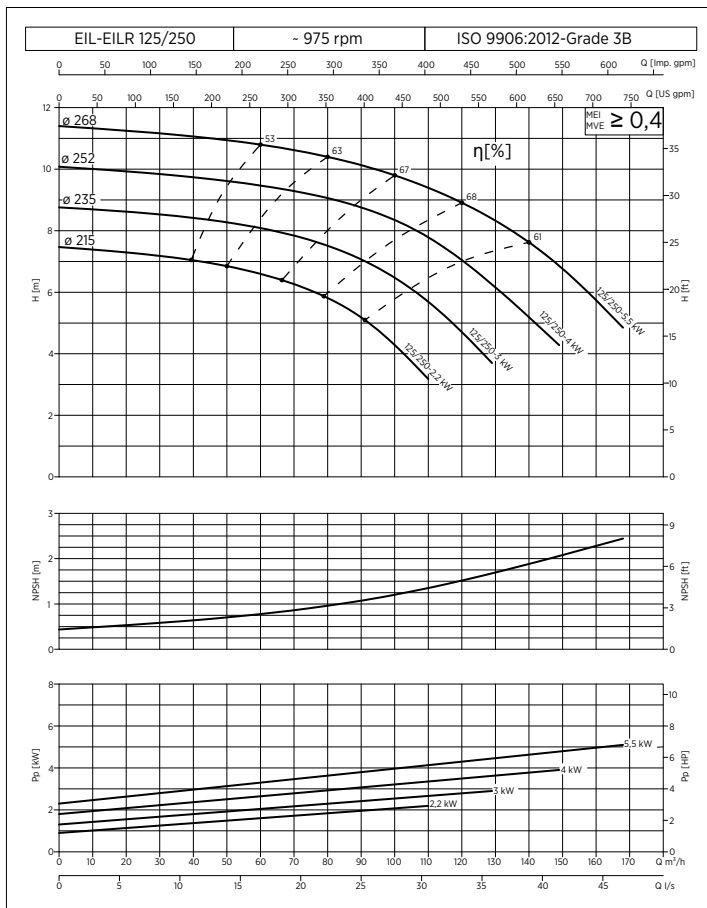
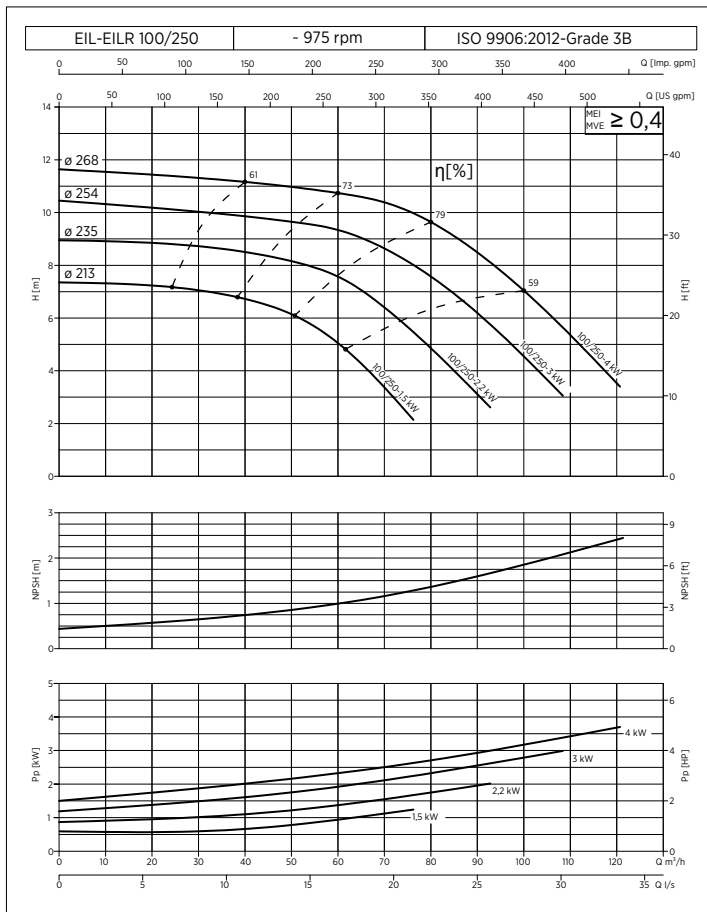
4 Pole Motor (1450 rpm) - 50Hz



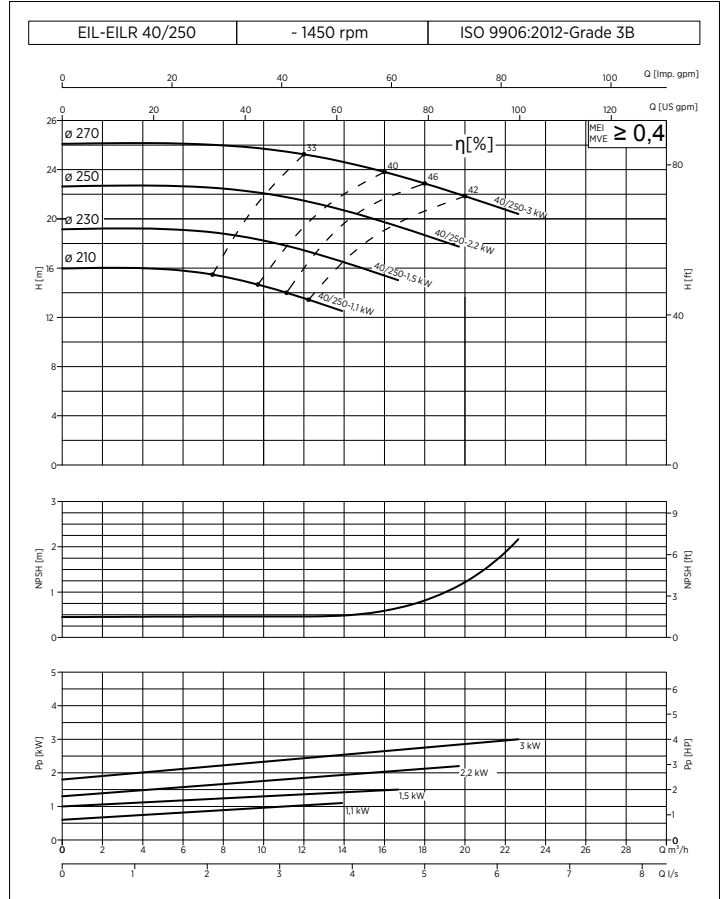
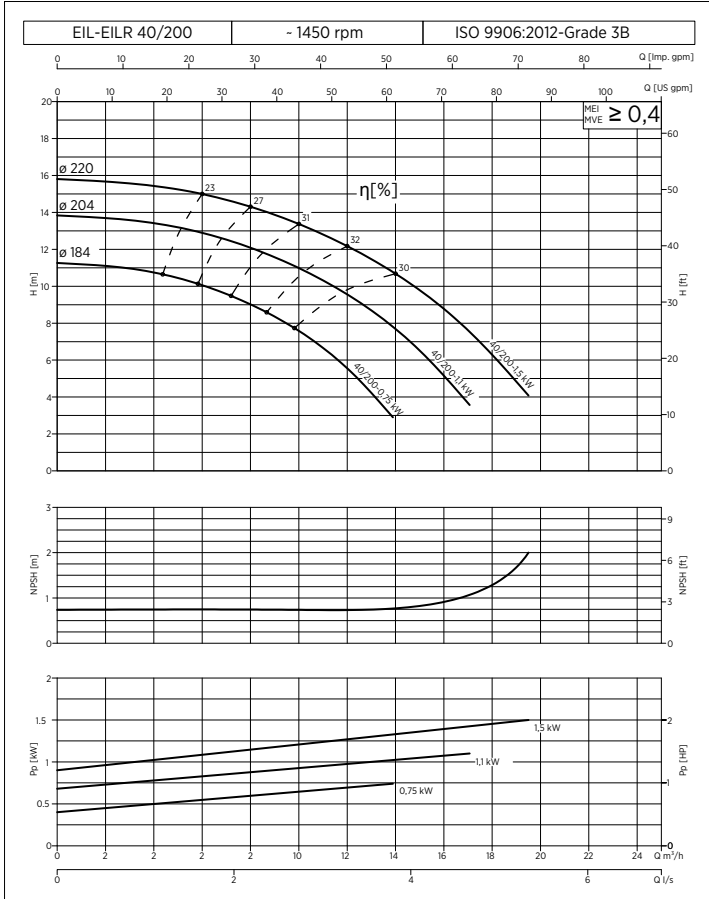
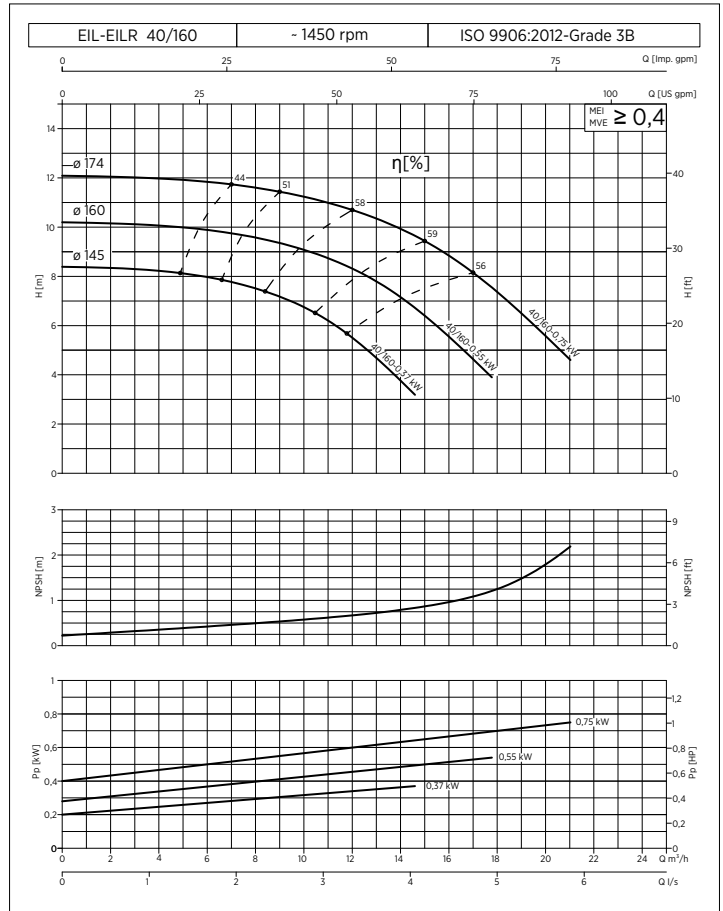
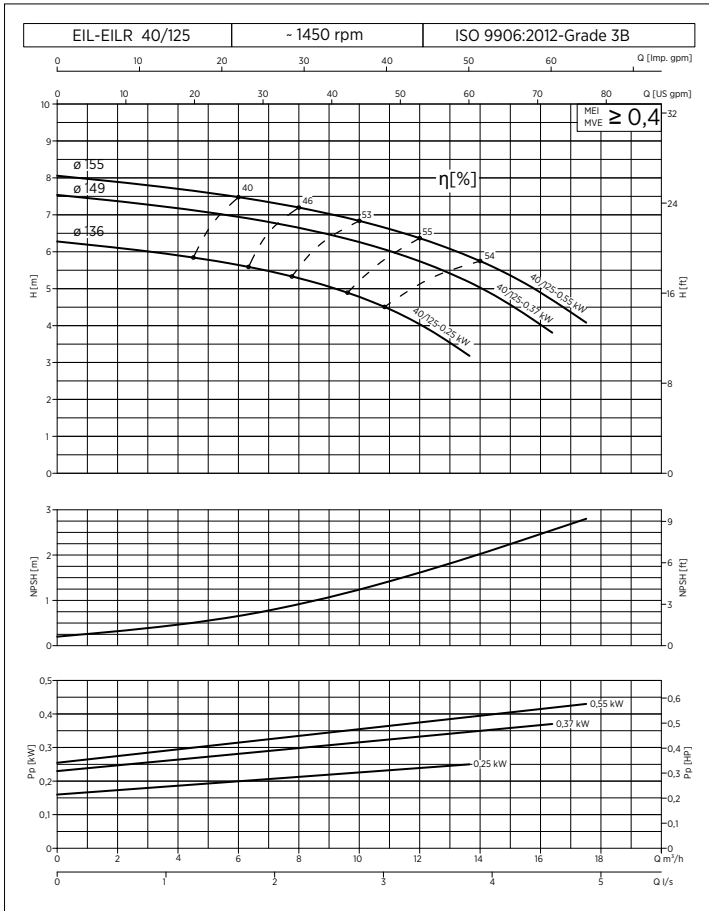
2 Pole Motor (2900 rpm) - 50Hz



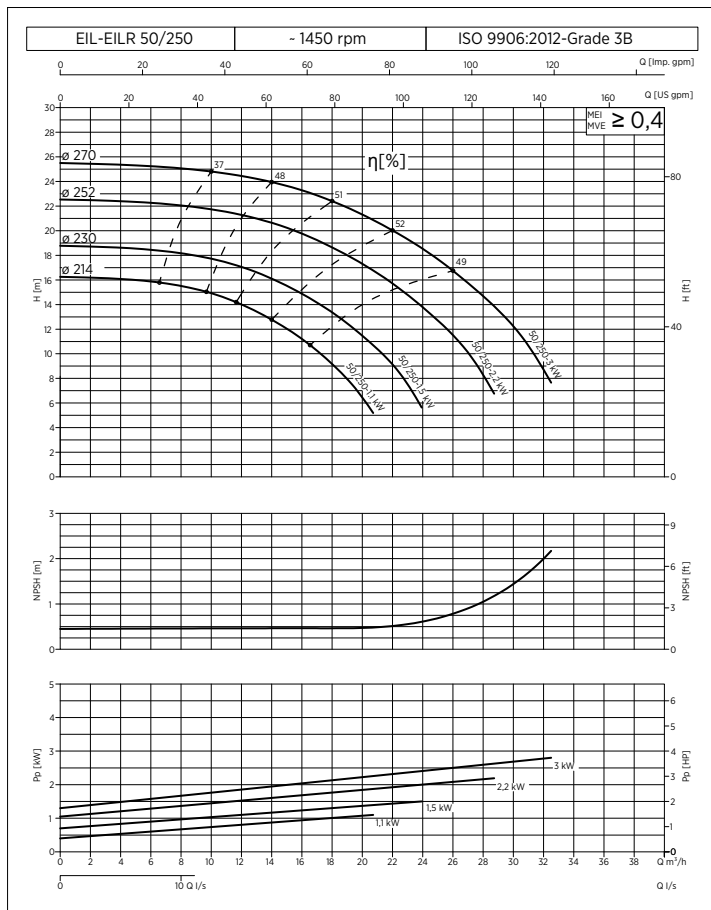
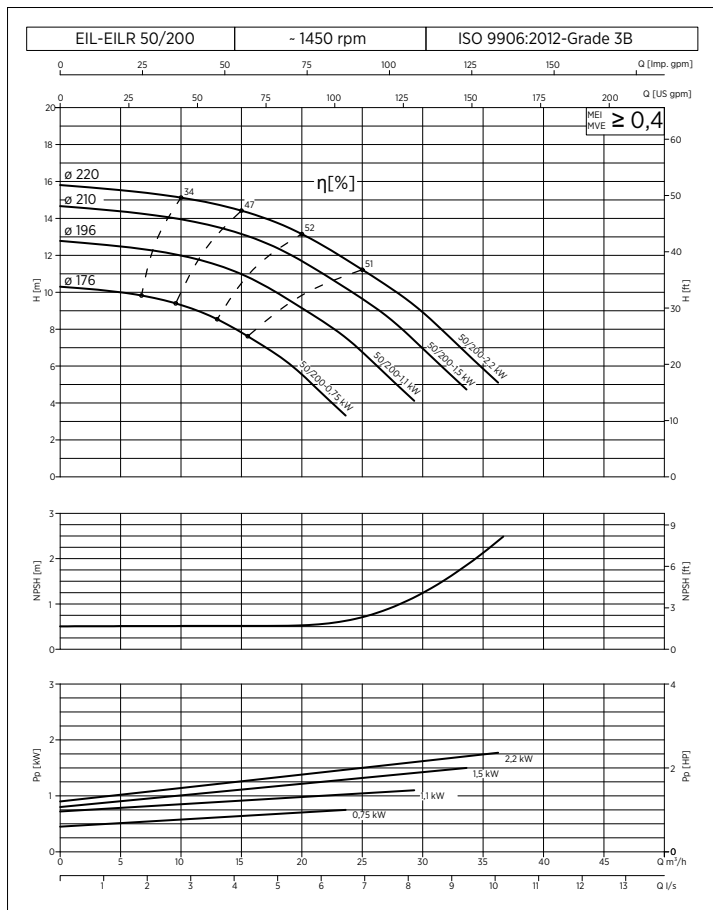
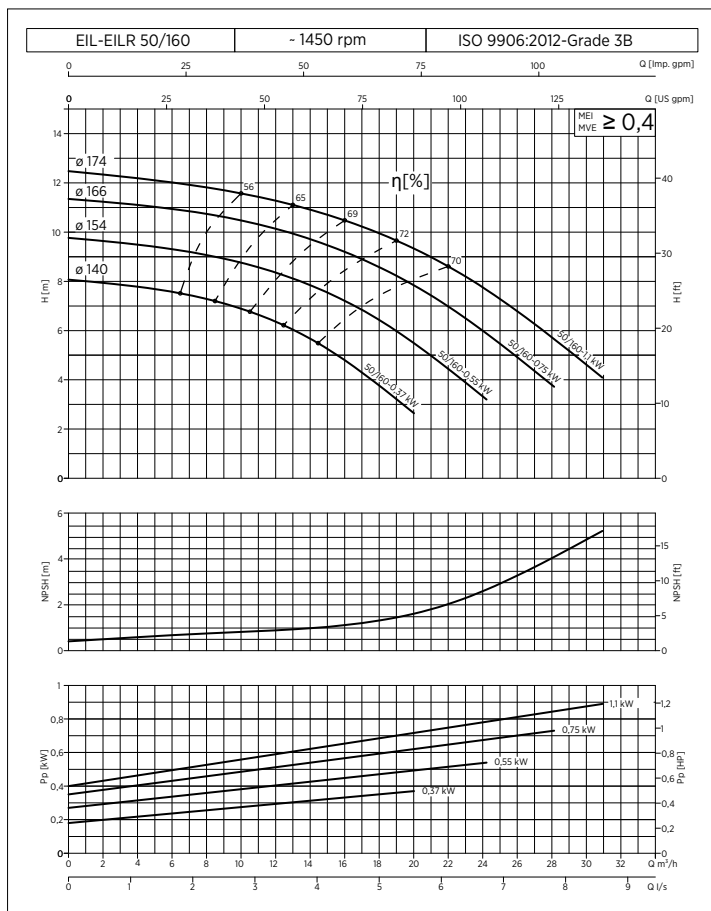
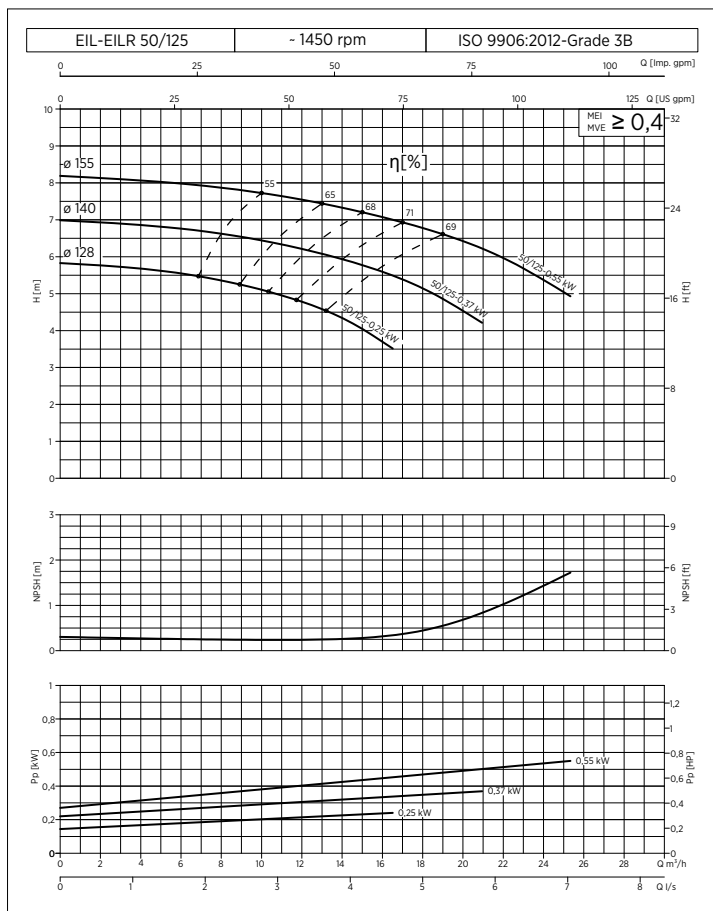
EILR6 SERIES HYDRAULIC PERFORMANCE CURVES



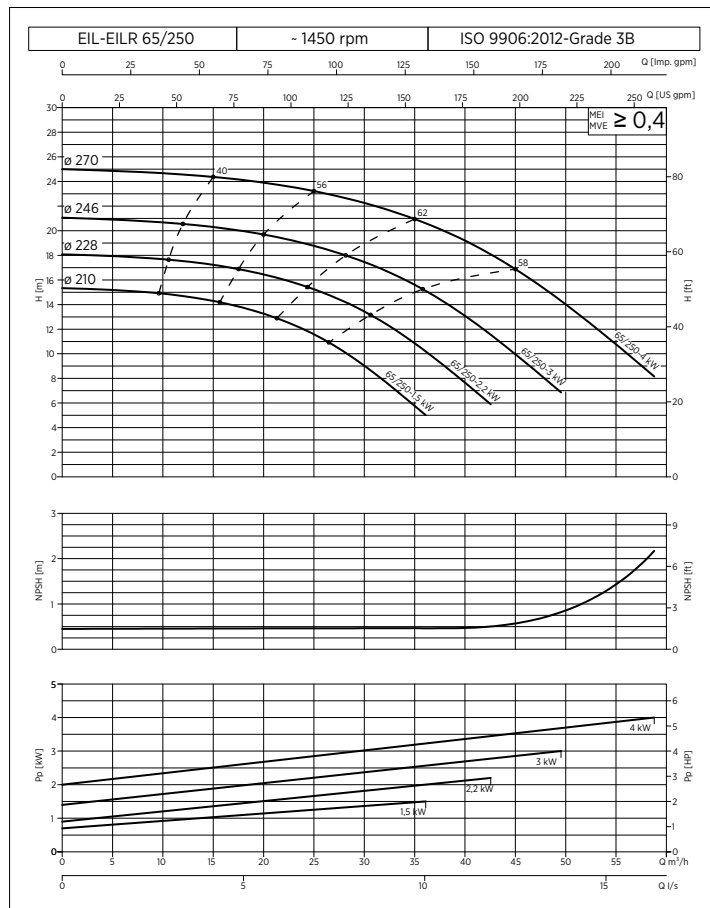
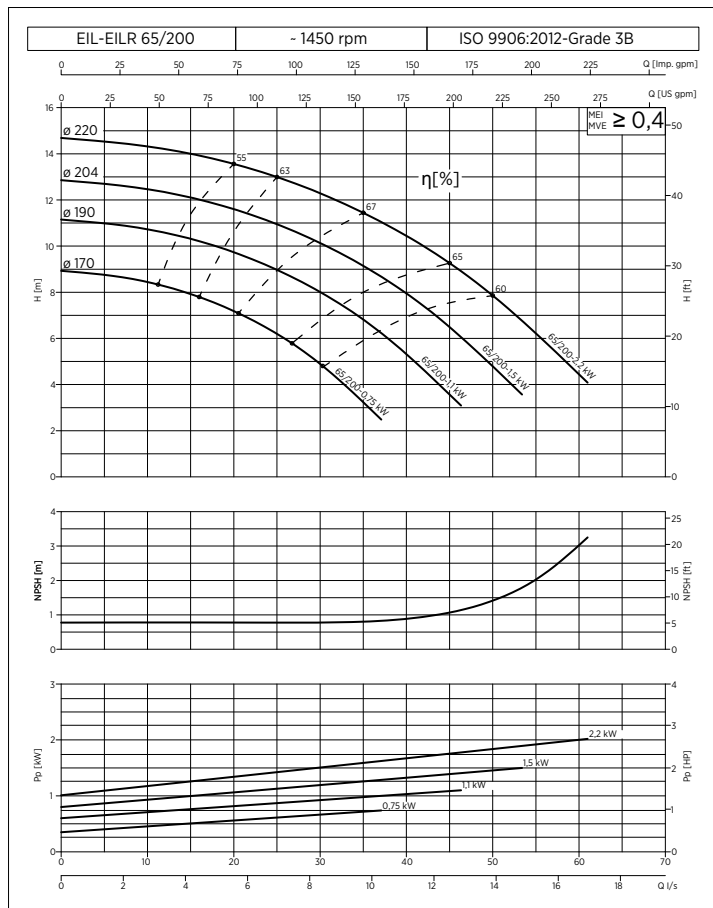
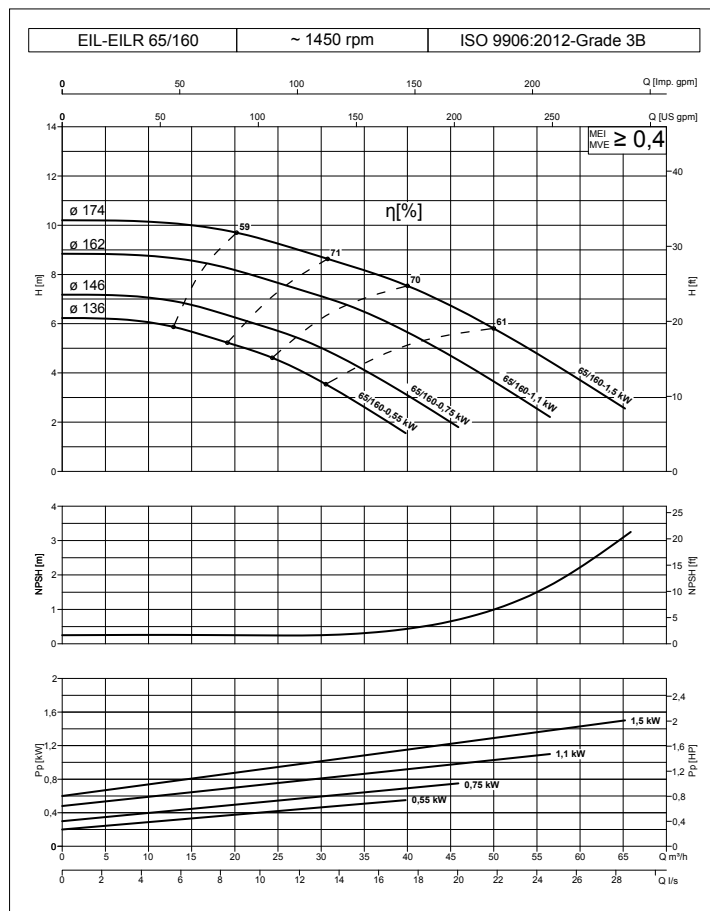
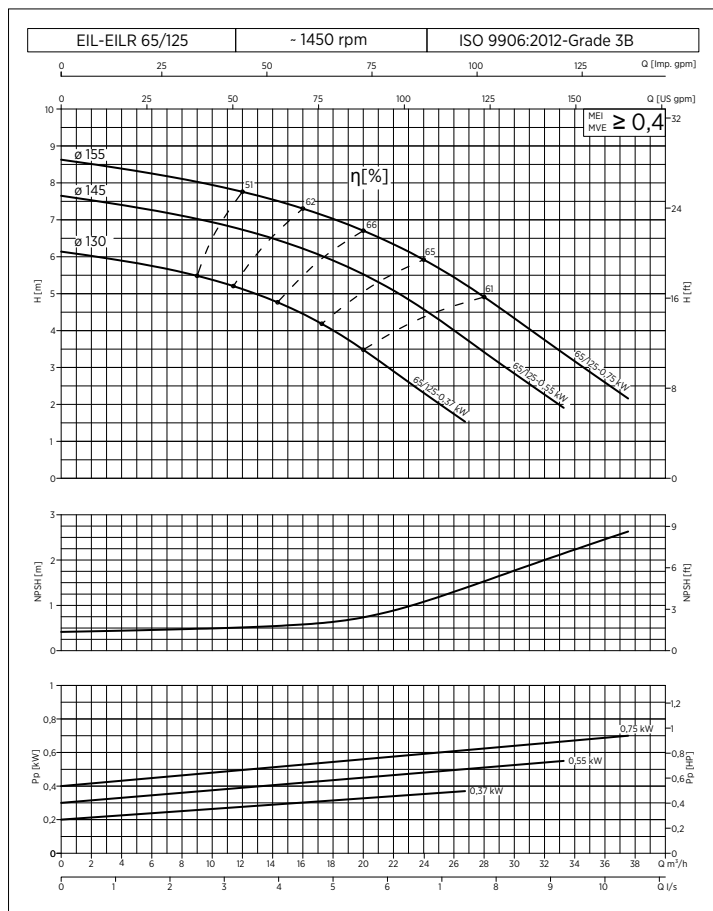
EILR4 SERIES HYDRAULIC PERFORMANCE CURVES



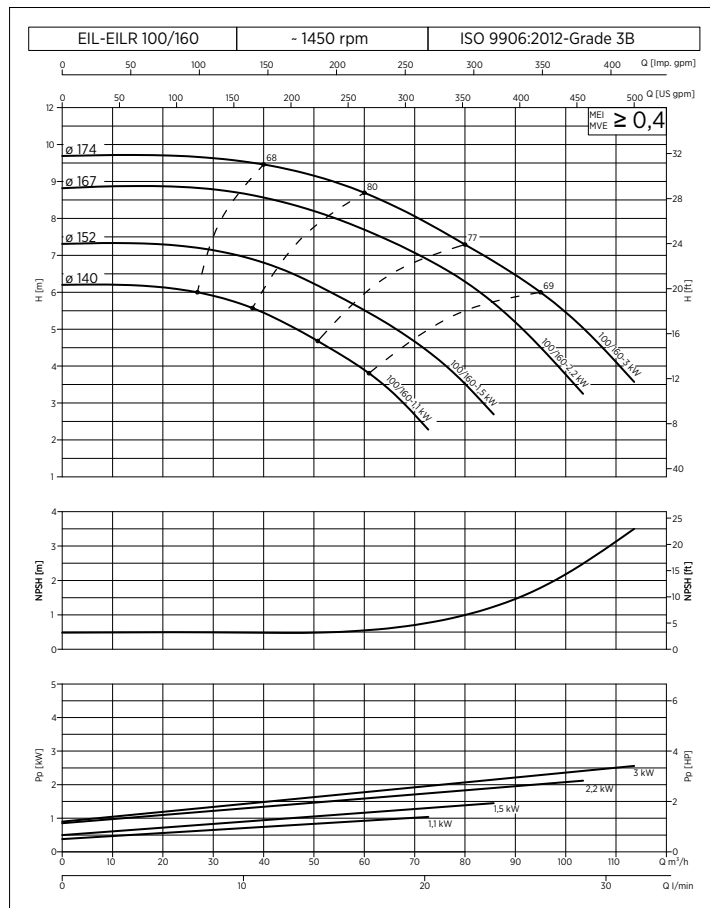
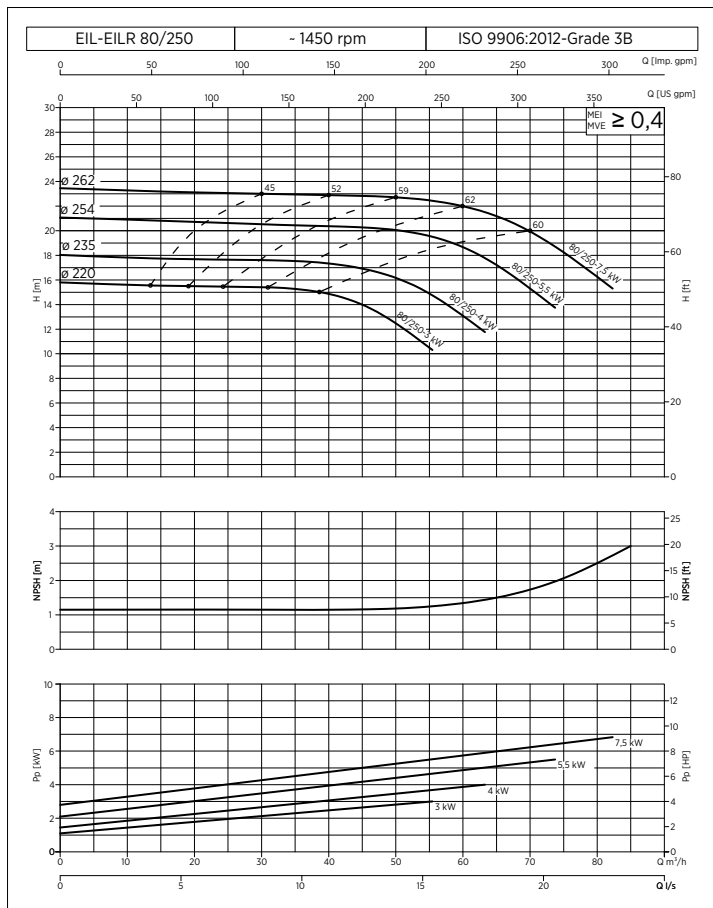
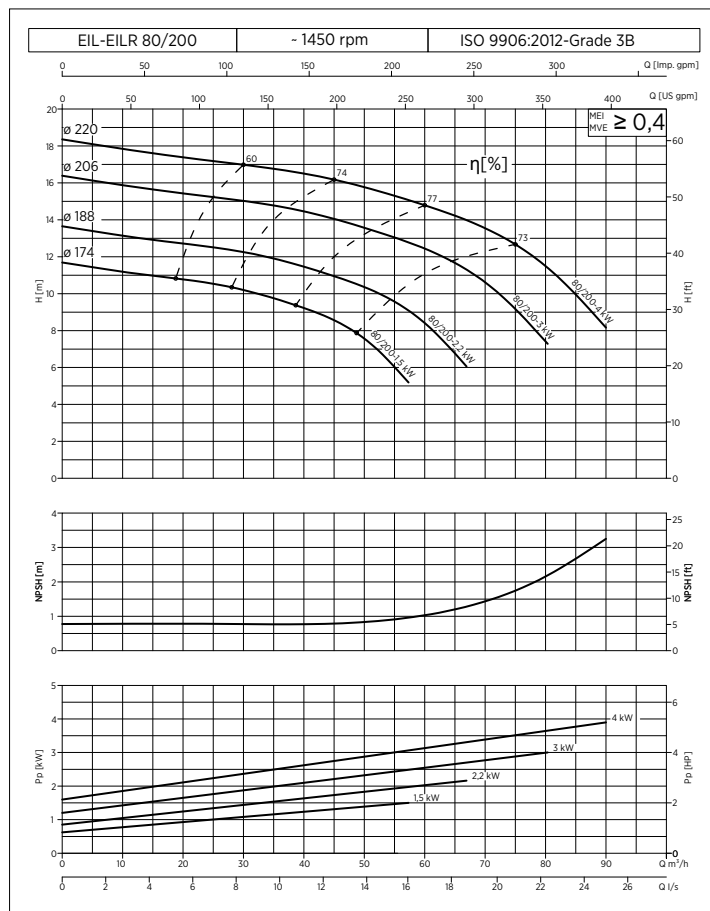
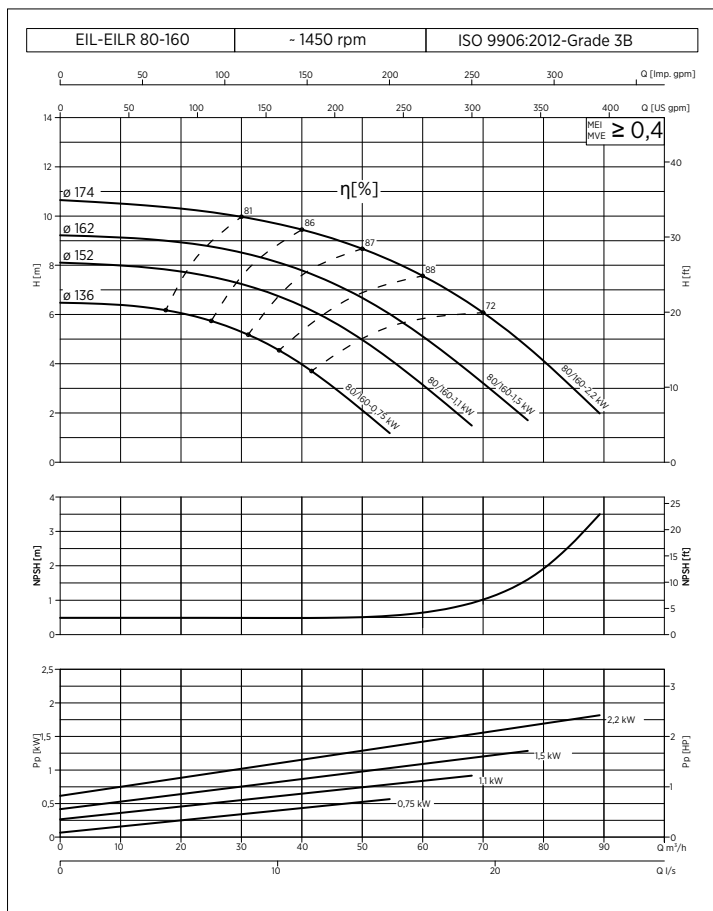
EILR4 SERIES HYDRAULIC PERFORMANCE CURVES



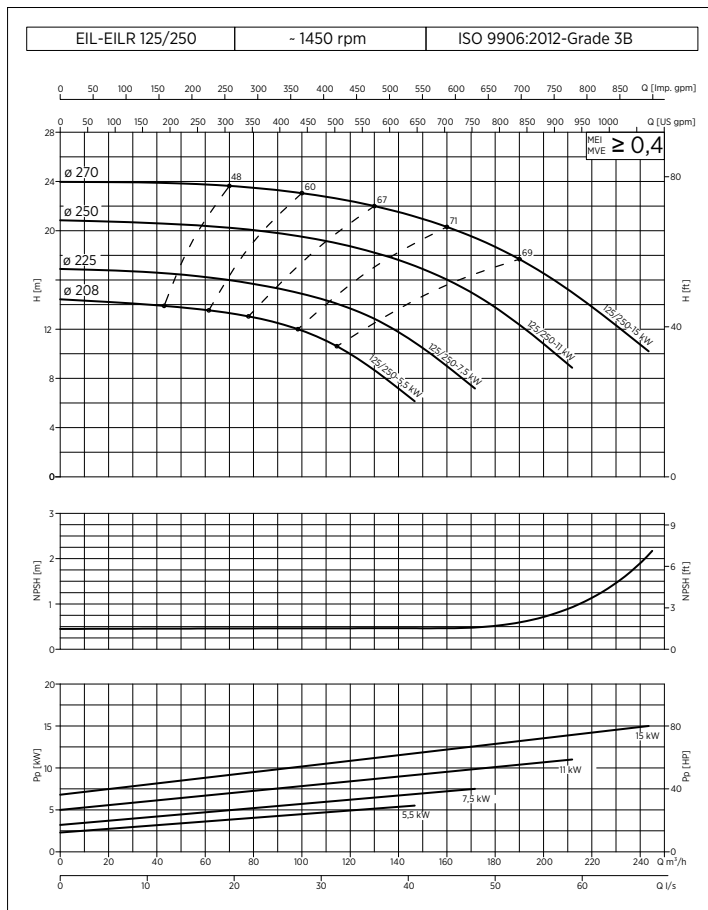
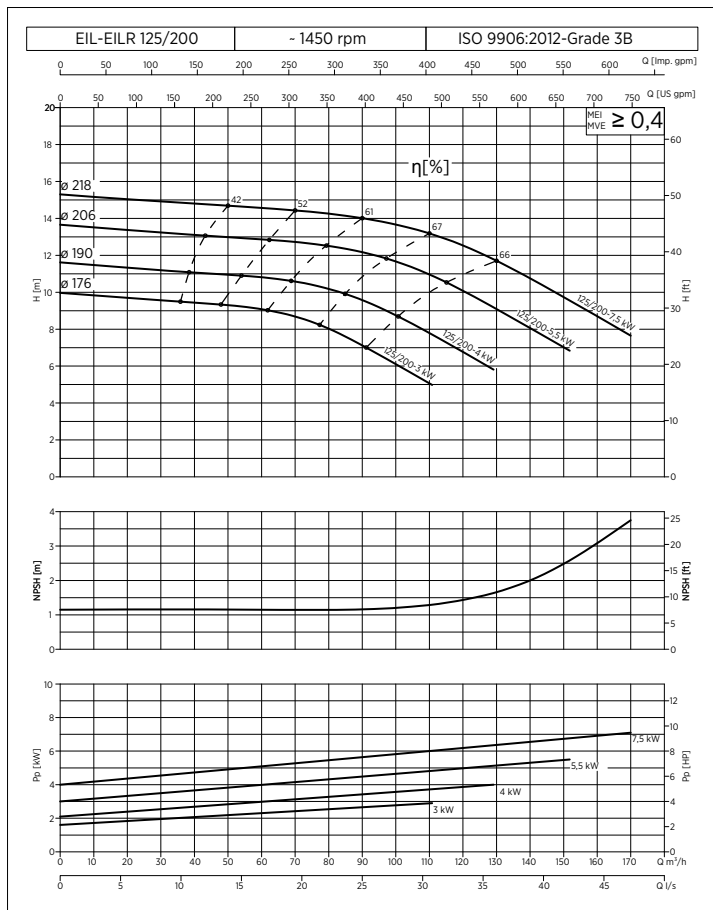
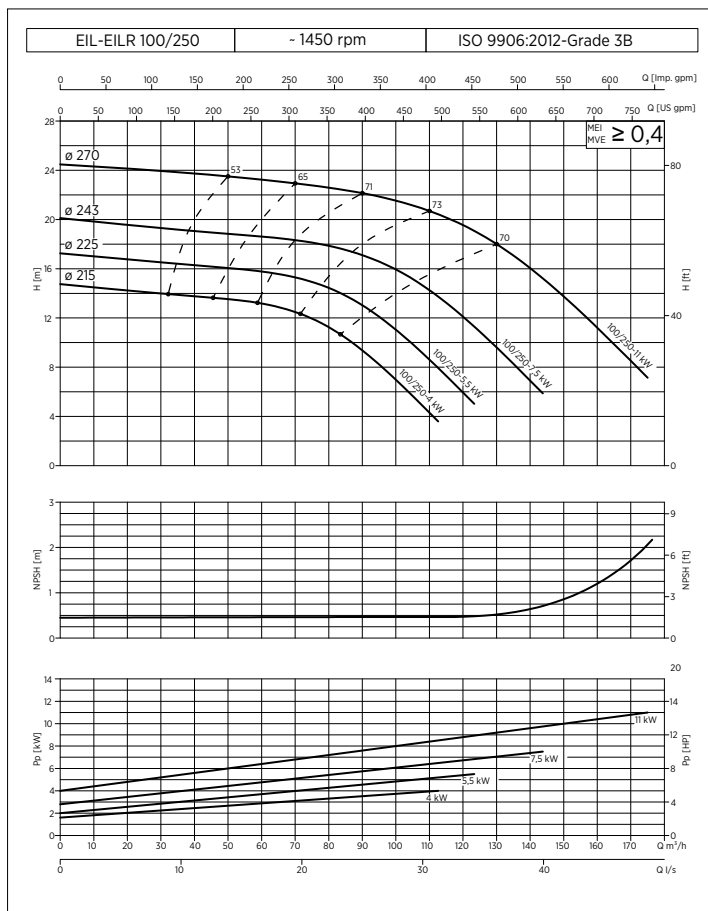
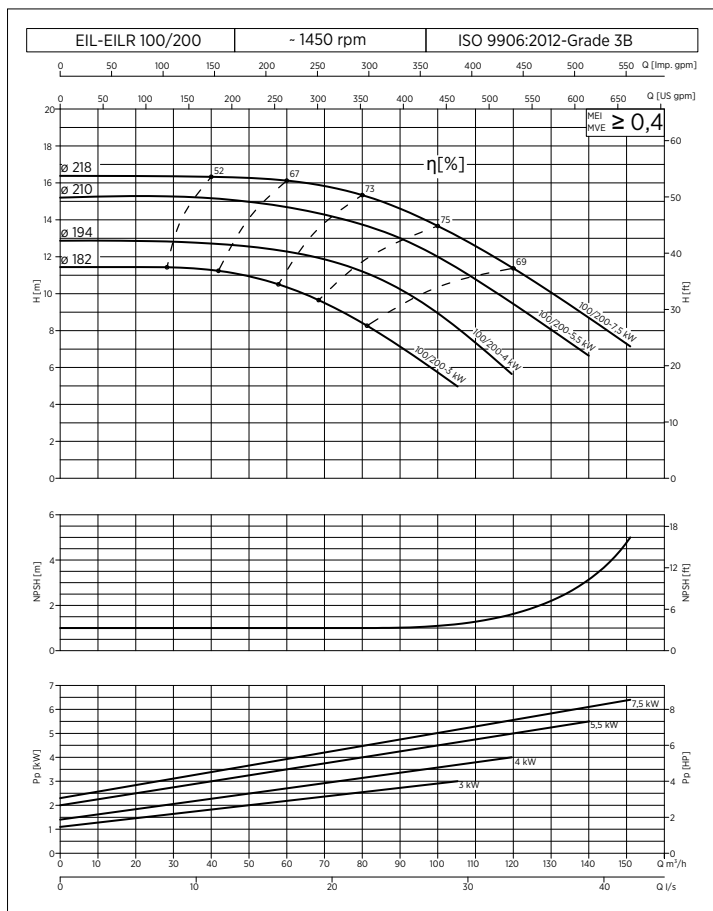
EILR4 SERIES HYDRAULIC PERFORMANCE CURVES



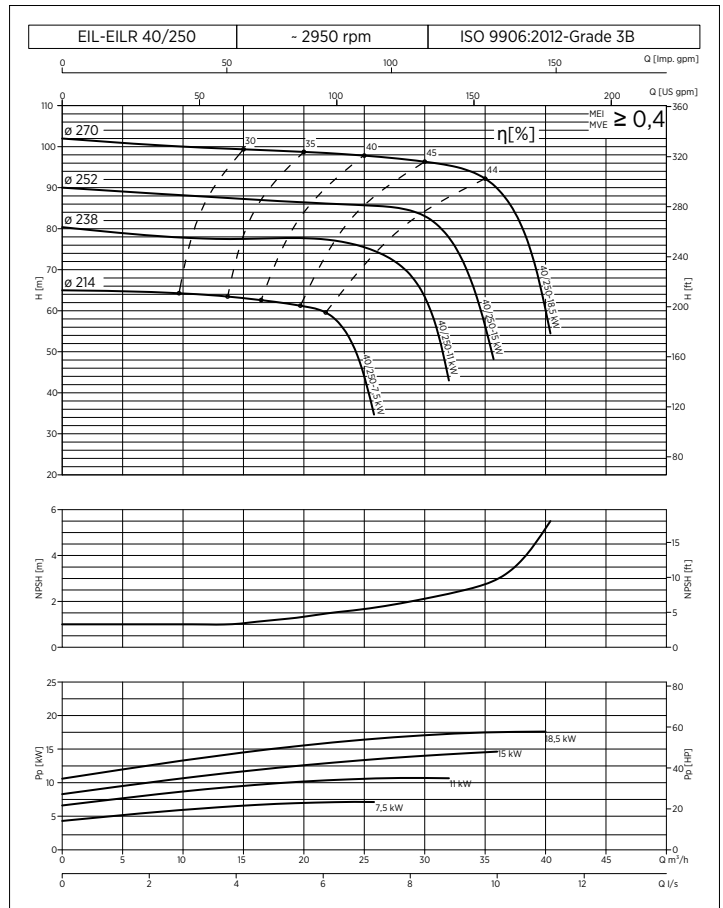
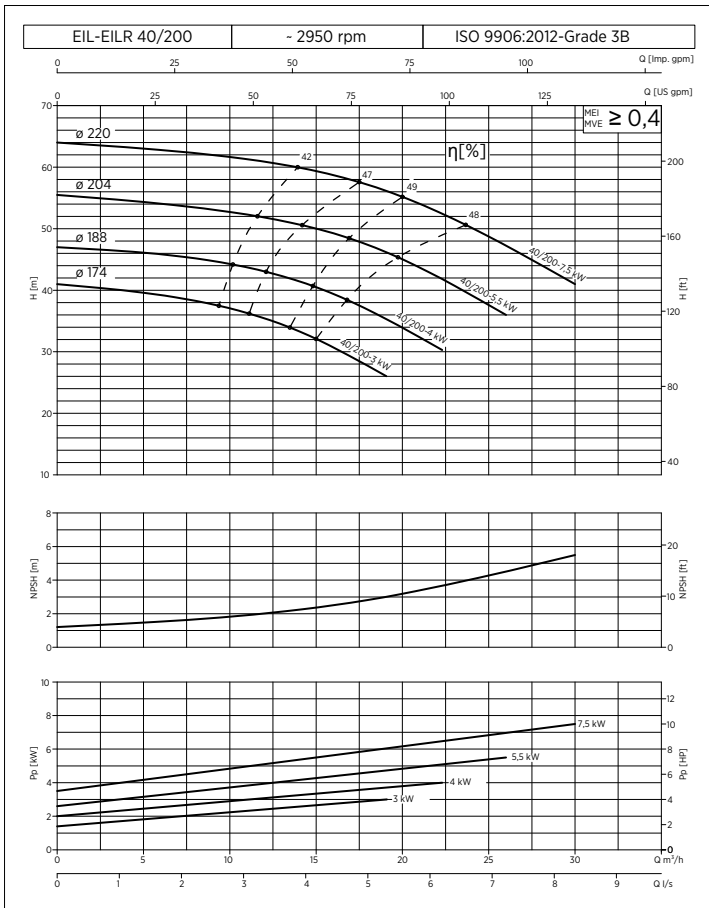
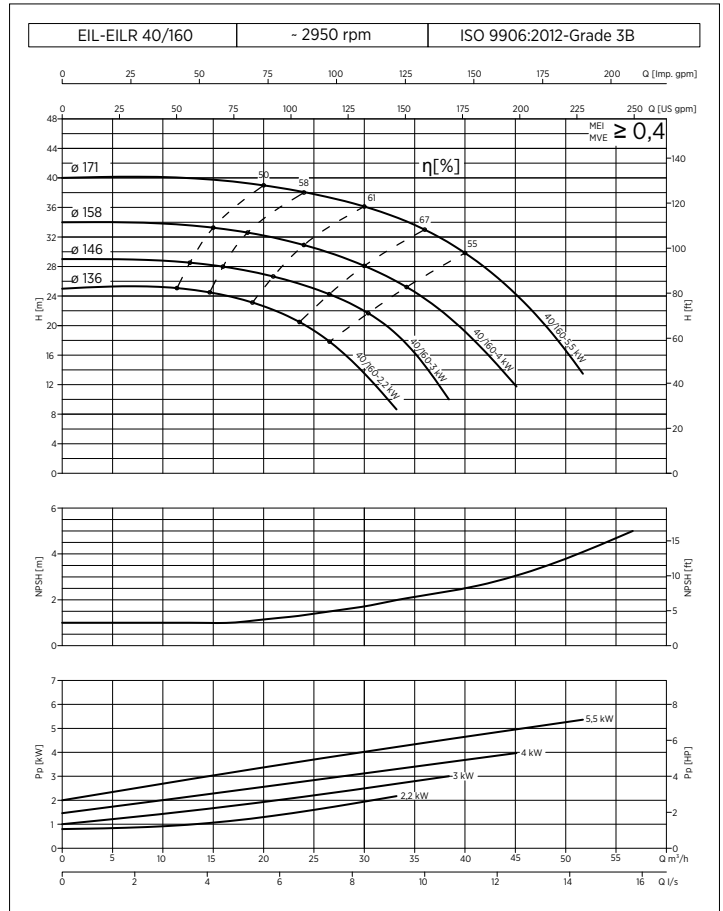
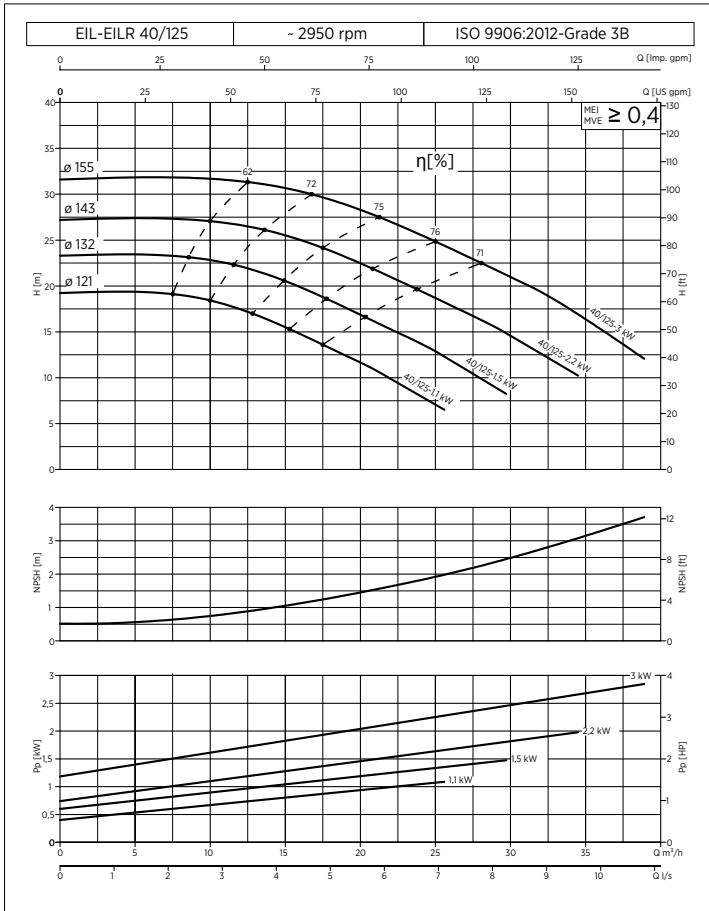
EILR4 SERIES HYDRAULIC PERFORMANCE CURVES



EILR4 SERIES HYDRAULIC PERFORMANCE CURVES

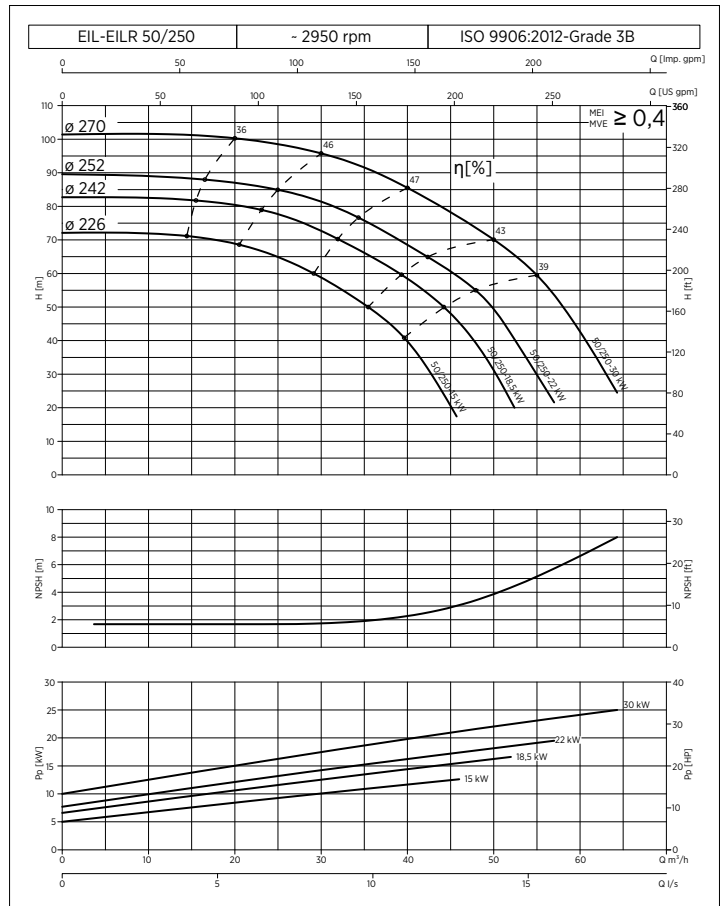
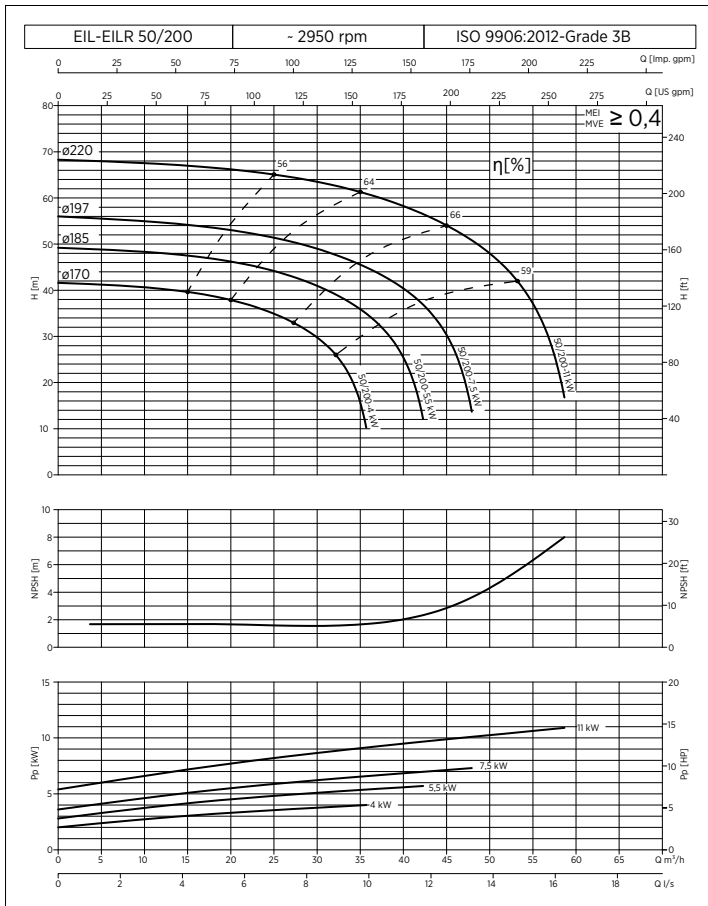
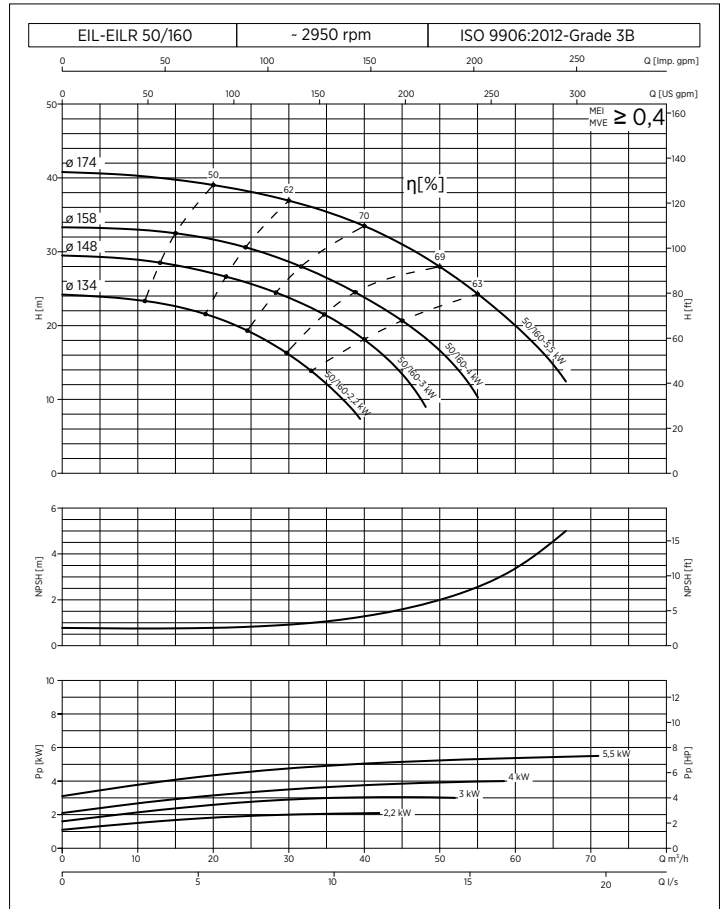
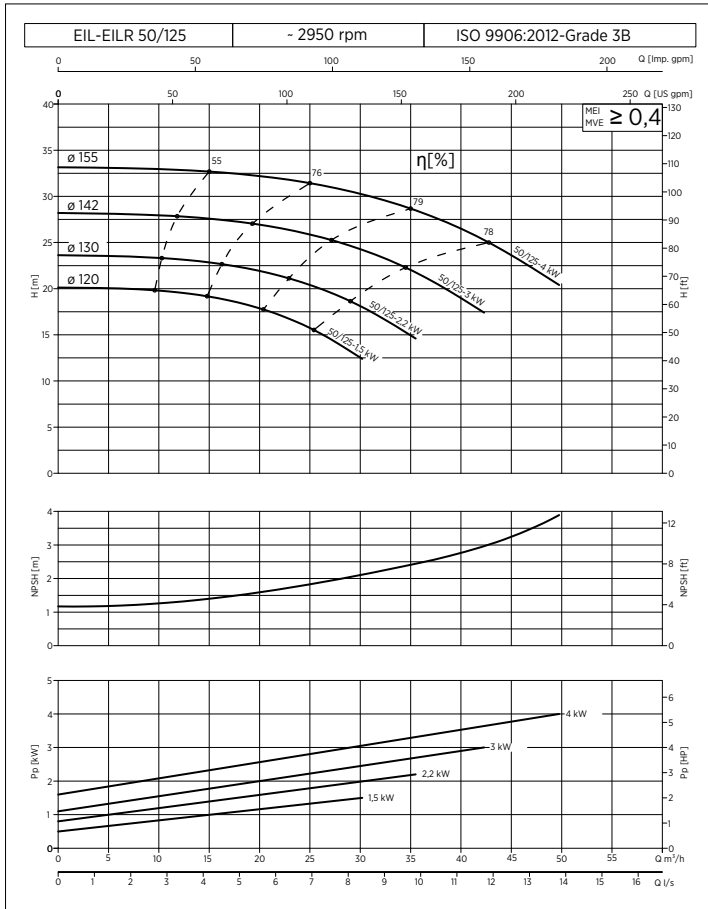


EILR SERIES HYDRAULIC PERFORMANCE CURVES

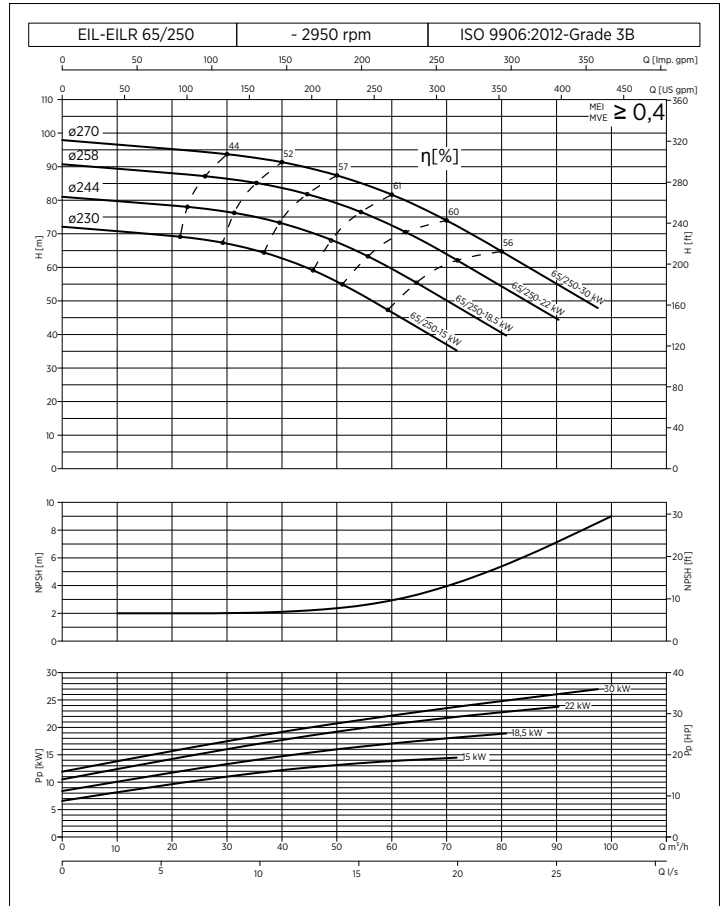
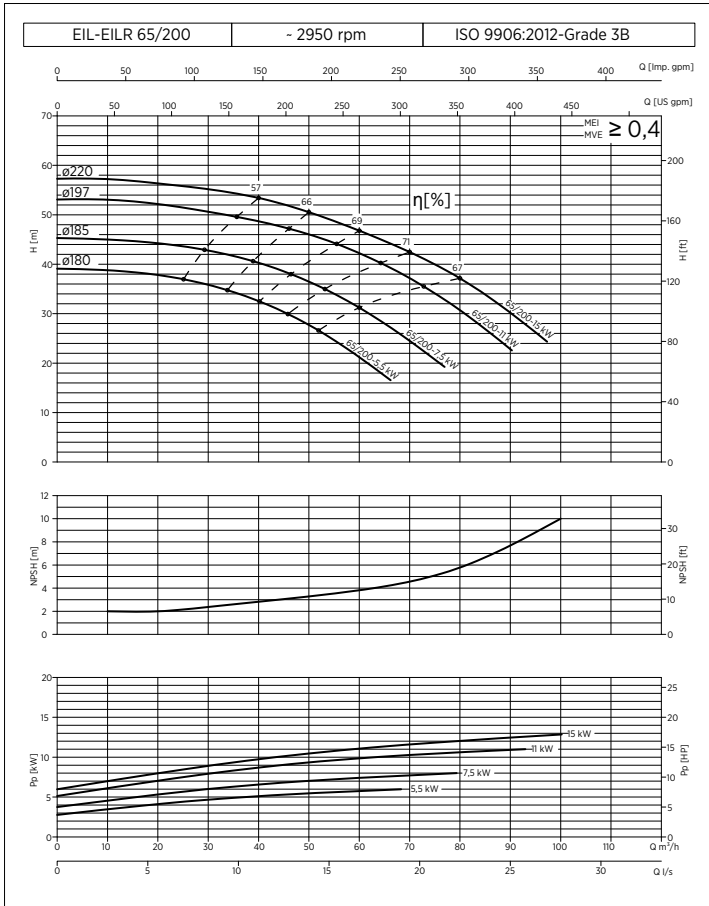
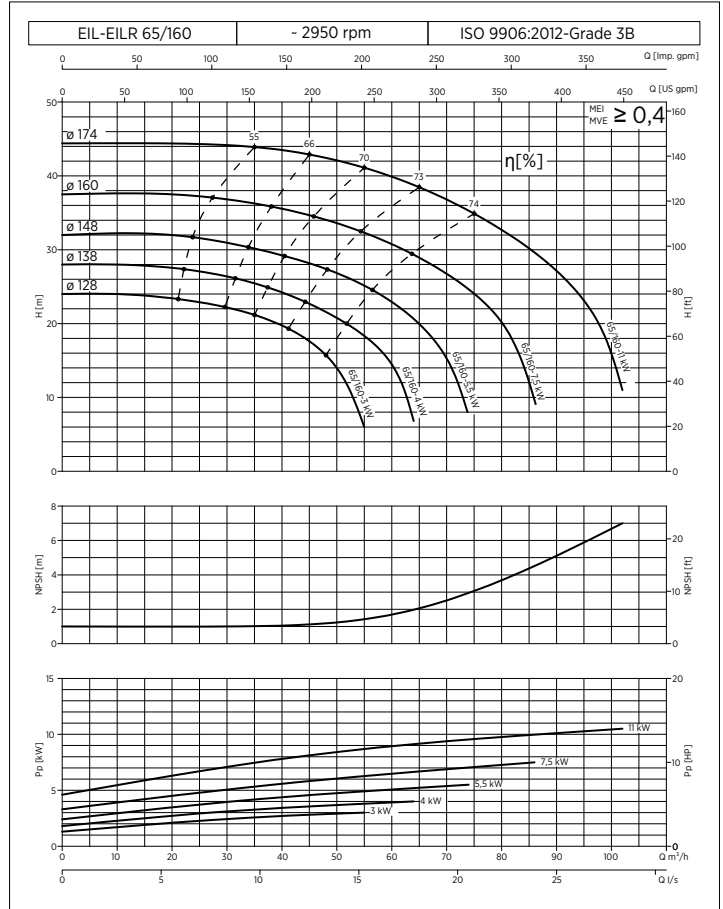
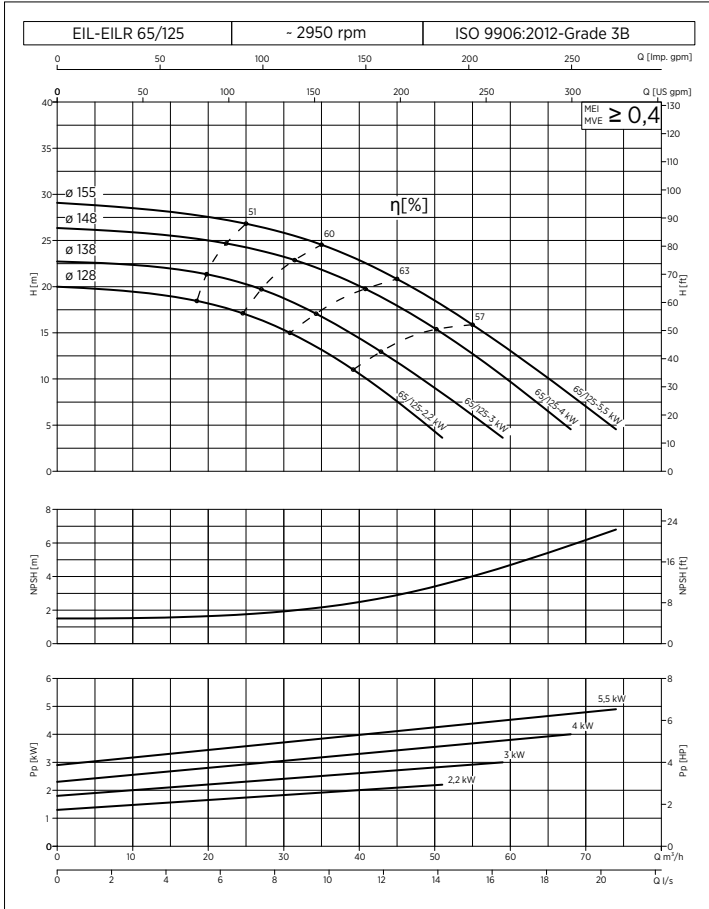


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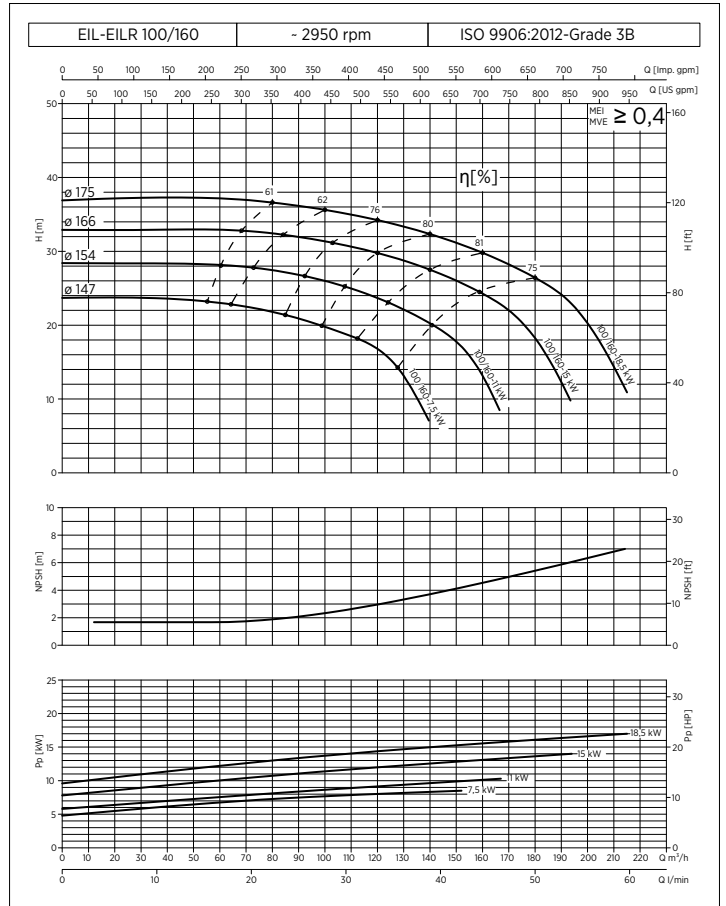
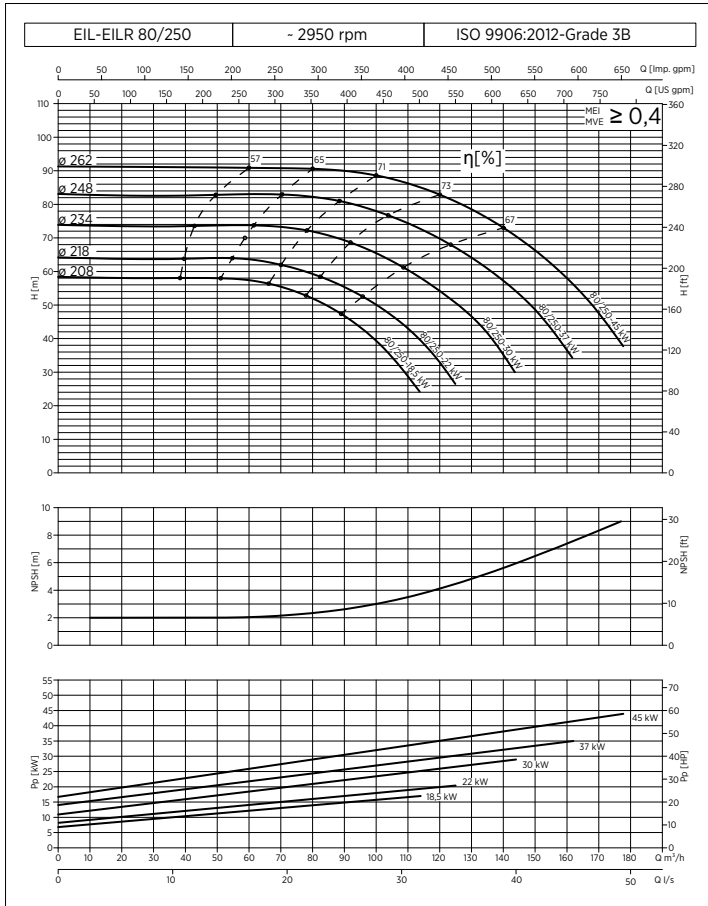
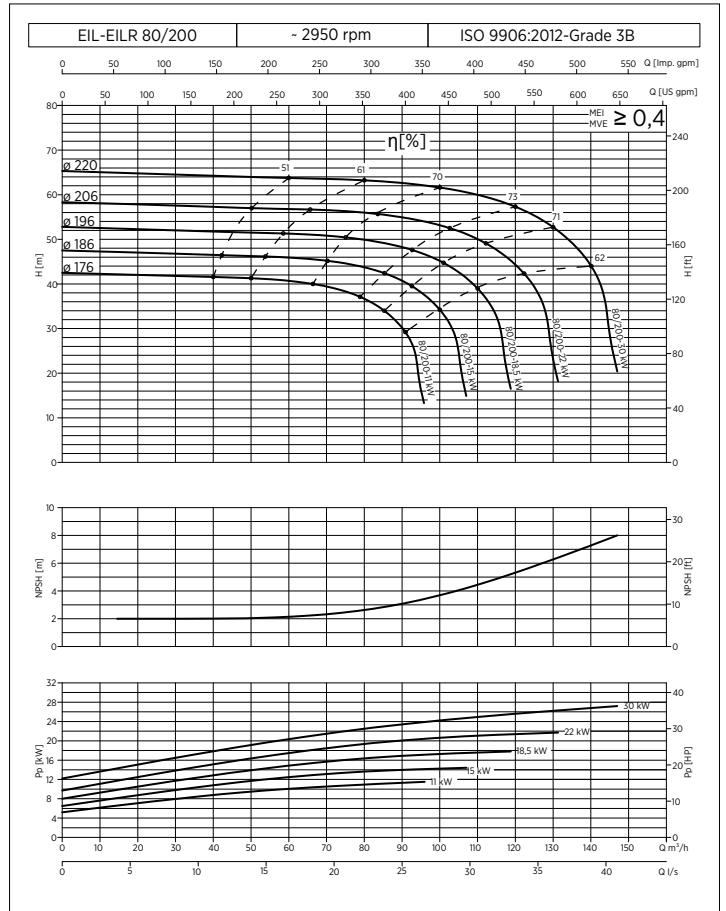
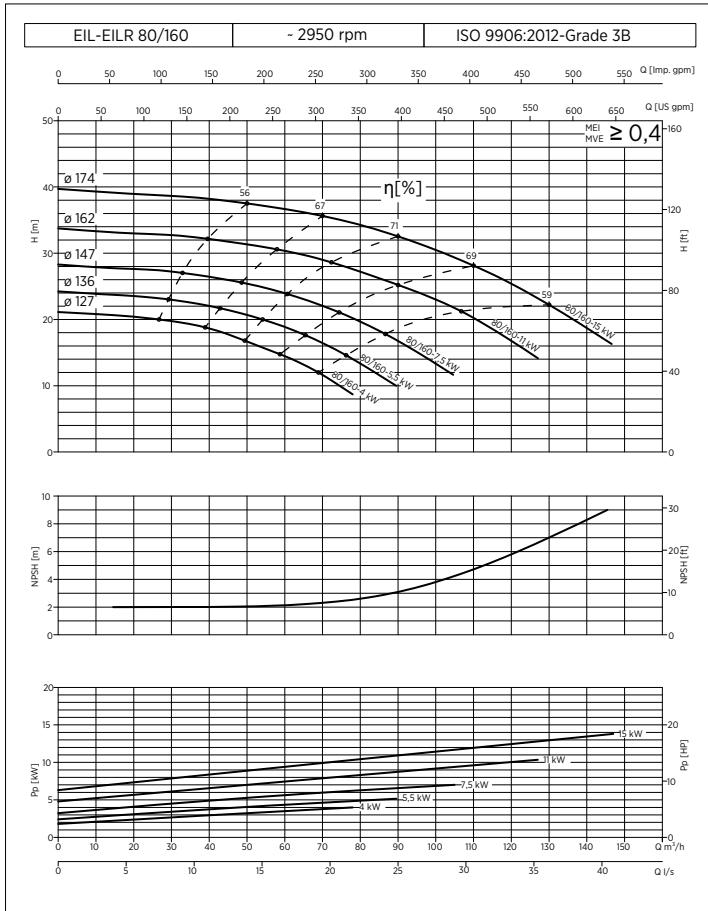
ETNA®



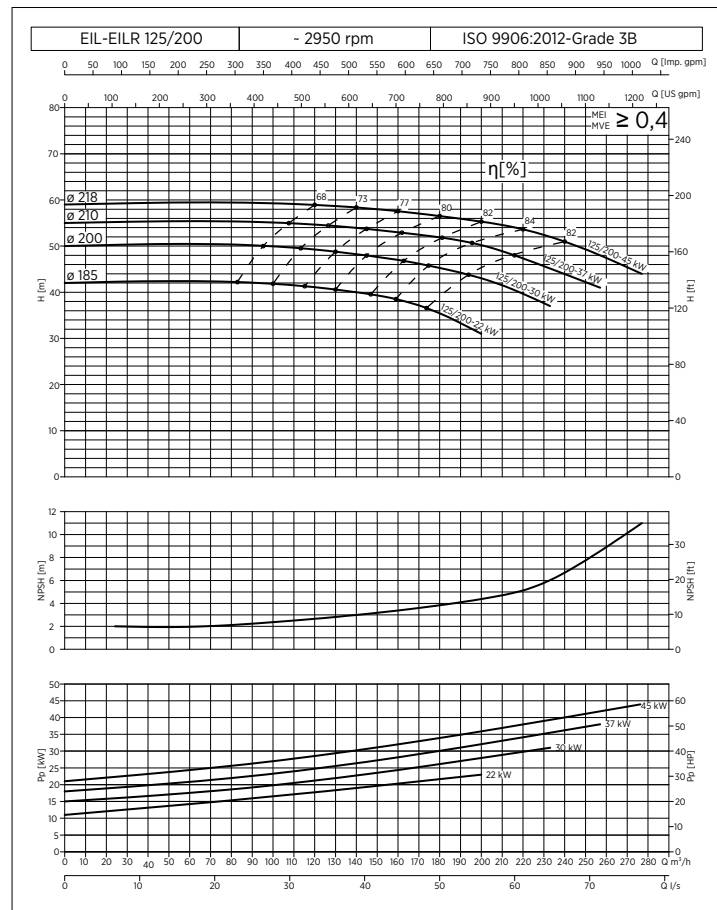
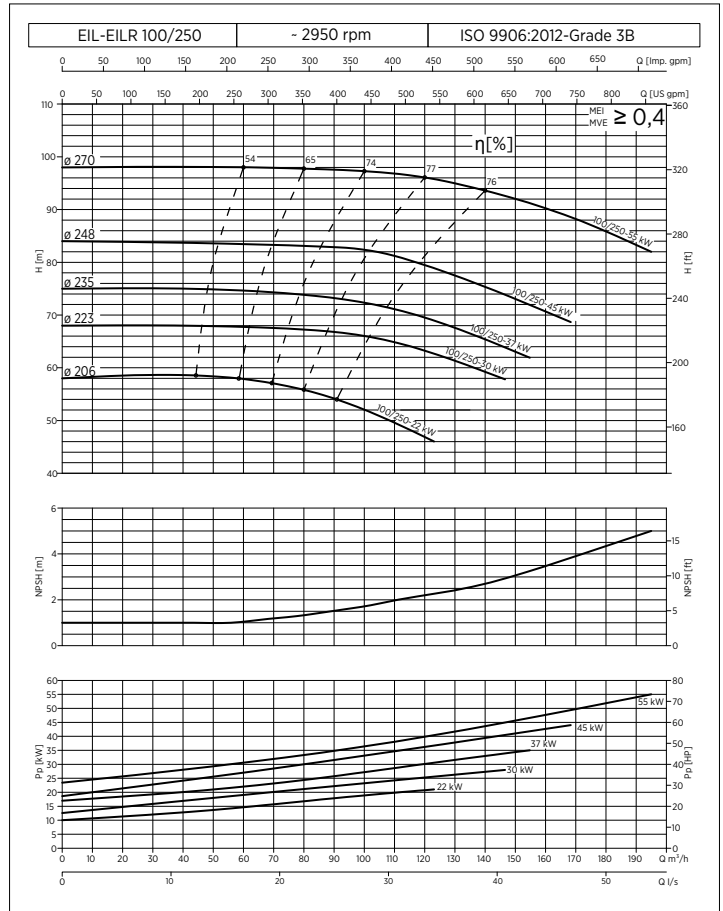
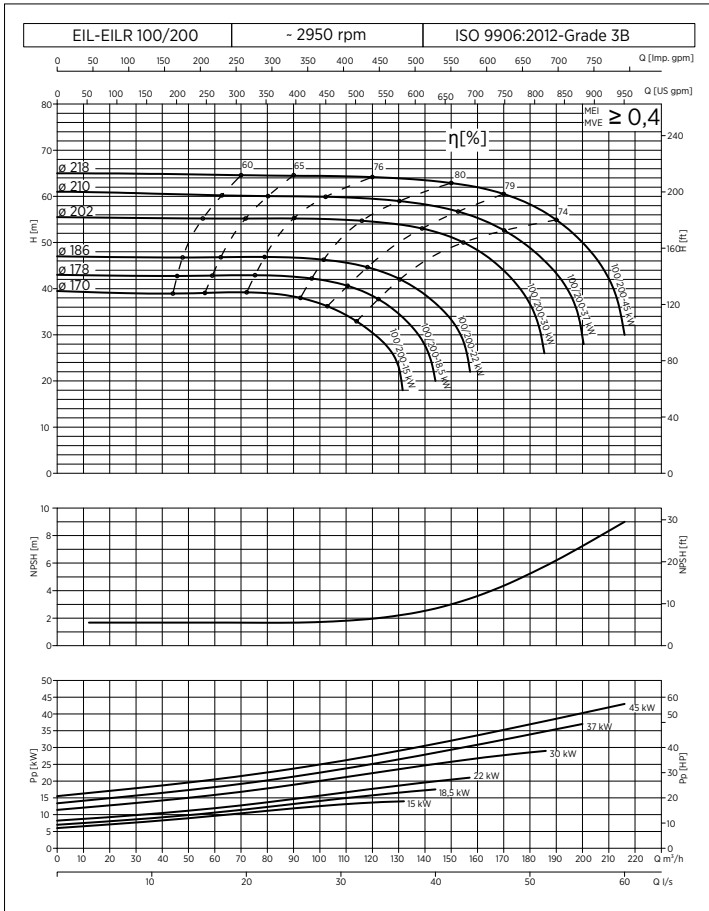
EILR SERIES HYDRAULIC PERFORMANCE CURVES



EILR SERIES HYDRAULIC PERFORMANCE CURVES

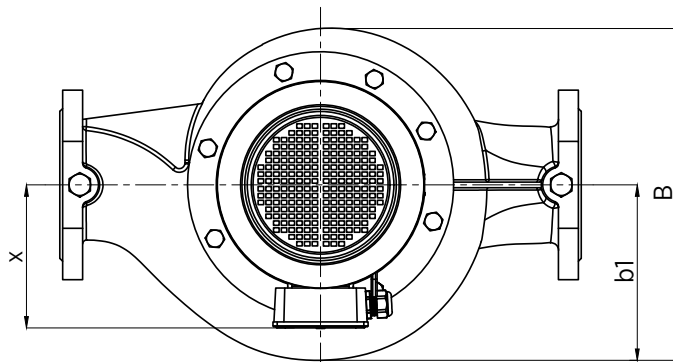
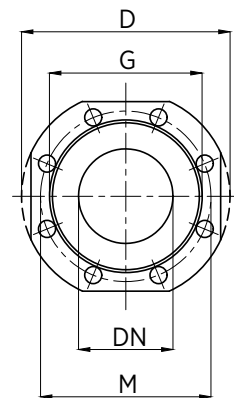
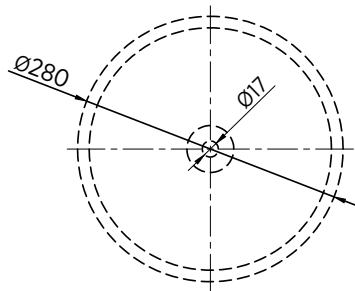
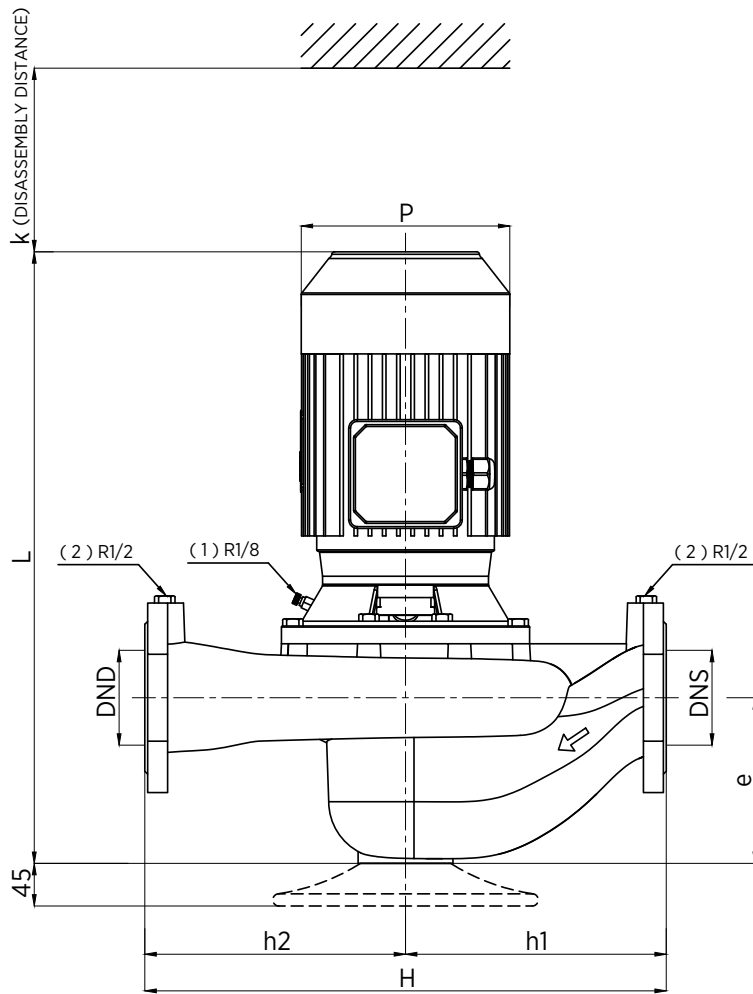


EILR SERIES HYDRAULIC PERFORMANCE CURVES



EILR -EILR4-EILR6 SERIES DIMENSIONS AND WEIGHTS

ETNA®



DN	D	M	G	HOLE		Max. Thickness
				N°	Ø	
40	150	110	88	4	18	18
50	165	125	102	4	18	20
65	185	145	122	4	18	20
80	200	160	138	8	18	22
100	220	180	158	8	18	22
125	250	210	188	8	18	22

(1) R 1/8 AIR DISCHARGE VALVE

(2) R 3/8 PRESSURE GAUGE CONNECTION

EILR 6 100, 125 SERIES DIMENSIONS AND WEIGHTS 6 POLES MOTOR (975 rpm)

PUMP MODEL EILR 4		DIMENSIONS (mm)											WEIGHT kg	
		DND	DNS	e	h1	h2	Hmax	B	b1	L	P	k		x
EILR	100-250/15	100	100	200	320	280	600	390	210	605	175	125	126	97
EILR	100-250/22													98
EILR	100-250/30									670	195	160	134	100
EILR	100-250/40													103
EILR	125-250/22	125	125	210	350	300	650	440	235	617	175	130	126	134
EILR	125-250/30*												137	
EILR	125-250/40									685	195	180	134	140
EILR	125-250/55*													143

EILR 4 40, 50, 65, 80, 100, 125 SERIES DIMENSIONS AND WEIGHTS 4 POLES MOTOR (1450 rpm)



PUMP MODEL EILR 4	DIMENSIONS (mm)												WEIGHT kg				
	DND	DNS	e	h1	h2	Hmax	B	b1	L	P	k	x					
EILR4 40-125/02	40	40	105	160	140	300	215	115	410	140	100	110	30				
EILR4 40-125/03													32				
EILR4 40-125/05*													32				
EILR4 40-160/03													32				
EILR4 40-160/05*			32														
EILR4 40-160/07			85	160	160	320	245	130	390	465		155	120	36			
EILR4 40-200/07														41			
EILR4 40-200/11			100	190	190	380	270	135	485	505		175	130	44			
EILR4 40-200/15														47			
EILR4 40-250/11			105	215	225	440	325	170	510	575		195		135	59		
EILR4 40-250/15															62		
EILR4 40-250/22*													64				
EILR4 40-250/30													72				
EILR4 50-125/02			50	50	110	170	150	320	230	125		420	140	120	110	32	
EILR4 50-125/03	35																
EILR4 50-125/05*	33																
EILR4 50-160/03	38																
EILR4 50-160/05*	100	180			180	360	260	125	405	480	155	120	41				
EILR4 50-160/07													44				
EILR4 50-160/11*	110	200			200	400	280	145	500	515	175	130	44				
EILR4 50-200/07													47				
EILR4 50-200/11													50				
EILR4 50-200/15													52				
EILR4 50-200/22*	125	215			225	440	325	165	580	195	135	135	57				
EILR4 50-250/11													60				
EILR4 50-250/15													62				
EILR4 50-250/22*													70				
EILR4 50-250/30	65	65			135	180	160	340	230	130	440	140	130		110	37	
EILR4 65-125/03																35	
EILR4 65-125/05*																40	
EILR4 65-125/07																39	
EILR4 65-160/05*					115	200	200	400	275	145	420	500			155	120	44
EILR4 65-160/07																	47
EILR4 65-160/11																	50
EILR4 65-160/15																	49
EILR4 65-200/07					110	230	230	460	310	165	500	520			175	130	52
EILR4 65-200/11																	55
EILR4 65-200/15			57														
EILR4 65-200/22*			66														
EILR4 65-250/15	140	245	235	480	345	180	530	600	195	135	68						
EILR4 65-250/22*											76						
EILR4 65-250/30											82						
EILR4 65-250/40											51						
EILR4 80-160/07	80	80	150	220	220	440	285	150	550	155	140	120	54				
EILR4 80-160/11													57				
EILR4 80-160/15													59				
EILR4 80-160/22*													61				
EILR4 80-200/15			140	250	250	500	315	170	550	615		195	135	68			
EILR4 80-200/22*														74			
EILR4 80-200/30														85			
EILR4 80-200/40														91			
EILR4 80-250/30			150	270	280	550	370	195	620	740		260	170	107			
EILR4 80-250/40														109			
EILR4 80-250/55*														63			
EILR4 80-250/75														66			
EILR4 100-160/11			100	100	155	250	250	500	315	170		580	175	150	130	68	
EILR4 100-160/15																75	
EILR4 100-160/22*	89																
EILR4 100-160/30	96																
EILR4 100-200/30	185	275			275	550	350	185	670	790	260	170	112				
EILR4 100-200/40													115				
EILR4 100-200/55*													103				
EILR4 100-200/75													119				
EILR4 100-250/40	200	320			280	600	390	210	670	795	260	170	121				
EILR4 100-250/55*													142				
EILR4 100-250/75													103				
EILR4 100-250/110*													109				
EILR4 125-200/30	125	125	210	300	300	600	380	205	695	195	180	135	125				
EILR4 125-200/40													127				
EILR4 125-200/55*													143				
EILR4 125-200/75													145				
EILR4 125-250/55*			210	350	300	650	440	235	820	685		195	170	171			
EILR4 125-250/75														171			
EILR4 125-250/110*			210	350	300	650	440	235	820	930		310	225	145			
EILR4 125-250/150														222			

EILR 2 40, 50, 65, 80, 100, 125 SERIES DIMENSIONS AND WEIGHTS 2 POLES MOTOR (2900 rpm)

PUMP MODEL EILR 4	DIMENSIONS (mm)												WEIGHT kg			
	DND	DNS	e	h1	h2	Hmax	B	b1	L	P	k	x				
EILR2 40-125/11	40	40	105	160	140	300	215	115	485	155	100	120	33			
EILR2 40-125/15*									505				130	35		
EILR2 40-125/22														175	38	
EILR2 40-125/30*										195					48	
EILR2 40-160/22									175						40	
EILR2 40-160/30*														195	50	
EILR2 40-160/40*			175	55												
EILR2 40-160/55*				195	59											
EILR2 40-200/30*					175	55										
EILR2 40-200/40*			195			60										
EILR2 40-200/55*				195		64										
EILR2 40-200/75*					195	65										
EILR2 40-250/75*			195			74										
EILR2 40-250/110*				195		106										
EILR2 40-250/150					195	133										
EILR2 40-250/185			195			153										
EILR2 50-125/15*				50		50	110	170	150	320		230	125	495	120	38
EILR2 50-125/22					515									130		41
EILR2 50-125/30*	195	51														
EILR2 50-125/40*			175								56					
EILR2 50-160/22					195											45
EILR2 50-160/30*	175	54														
EILR2 50-160/40*			195				60									
EILR2 50-160/55*					195			63								
EILR2 50-200/40*	195	62														
EILR2 50-200/55*			195				67									
EILR2 50-200/75*					195			70								
EILR2 50-200/110*	195	99														
EILR2 50-250/150			195				131									
EILR2 50-250/185					195			151								
EILR2 50-250/220*	195	171														
EILR2 50-250/300*			195				226									
EILR2 65-125/22					65			65	135	180	160	340	230	130		540
EILR2 65-125/30*	605	135														54
EILR2 65-125/40*			175	58												
EILR2 65-125/55*						195	62									
EILR2 65-160/30*	175														58	
EILR2 65-160/40*			195	63												
EILR2 65-160/55*						195	66									
EILR2 65-160/75*	195	68														
EILR2 65-160/110*			195	92												
EILR2 65-200/55*						195	72									
EILR2 65-200/75*	195	73														
EILR2 65-200/110*			195	104												
EILR2 65-200/150						195	124									
EILR2 65-250/150	195	137														
EILR2 65-250/185			195	157												
EILR2 65-250/220*						195	178									
EILR2 65-250/300*	195	235														
EILR2 80-160/40*			80	80					150	220	220	440	285	150	640	140
EILR2 80-160/55*					700	135	74									
EILR2 80-160/75*	260	75														
EILR2 80-160/110*							310	101								
EILR2 80-160/150					310										124	
EILR2 80-200/110*	260	111														
EILR2 80-200/150							260	134								
EILR2 80-200/185					260	154										
EILR2 80-200/220*	260	174														
EILR2 80-200/300*							260	229								
EILR2 80-250/185					260	166										
EILR2 80-250/220*	260	186														
EILR2 80-250/300*							260	221								
EILR2 80-250/370					260	279										
EILR2 80-250/450*	260	315														
EILR2 100-160/75*							100	100	155	250	250	500	315	170	650	
EILR2 100-160/110*					705	225									110	
EILR2 100-160/150	260	132														
EILR2 100-160/185			310	159												
EILR2 100-200/150					310										160	
EILR2 100-200/185	310	170														
EILR2 100-200/220*			310	190												
EILR2 100-200/300*					310	245										
EILR2 100-200/370	310	282														
EILR2 100-200/450*			310	317												
EILR2 100-250/220*					310	198										
EILR2 100-250/300*	310	253														
EILR2 100-250/370			310	291												
EILR2 100-250/450*					310	326										
EILR2 125-200/220*	125	125							210	300	280	600	390	210	940	160
EILR2 125-200/300*			1050	225											260	
EILR2 125-200/370					350	295										
EILR2 125-200/450*															390	



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