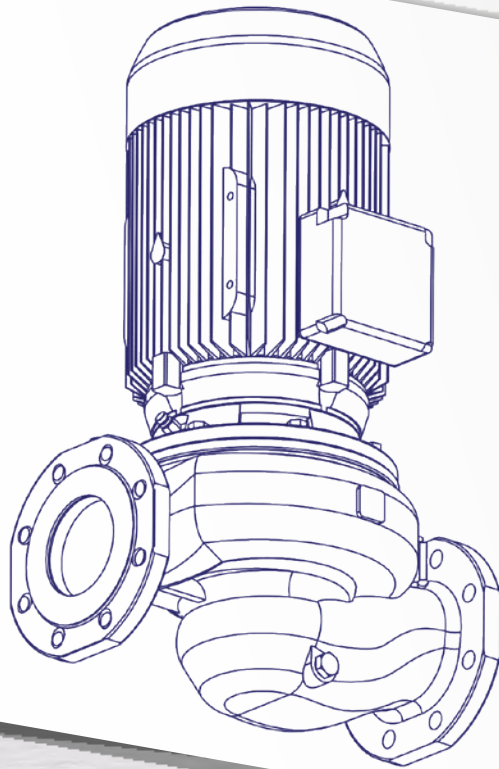




Dry Rotor Circulating Pumps

- ✓ EILR Series
- ✓ EILR - HF Series

EILR - EILR HF SERIES DRY ROTOR CIRCULATING PUMPS



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	: IP55
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 / Silicon Carbide / EPDM
Support Body	: GG25 Cast
Elastomers	: EPDM

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



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

- 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.

EILR SERIES CIRCULATION PUMPS 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

EILR SERIES CIRCULATION PUMPS

SOUND LEVEL

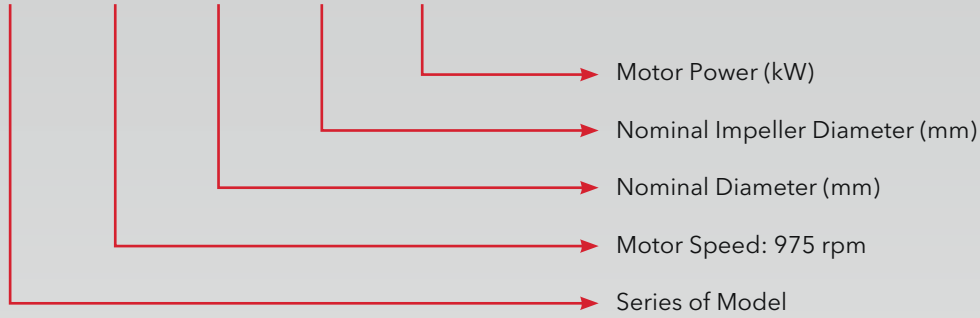
ETNA®

	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

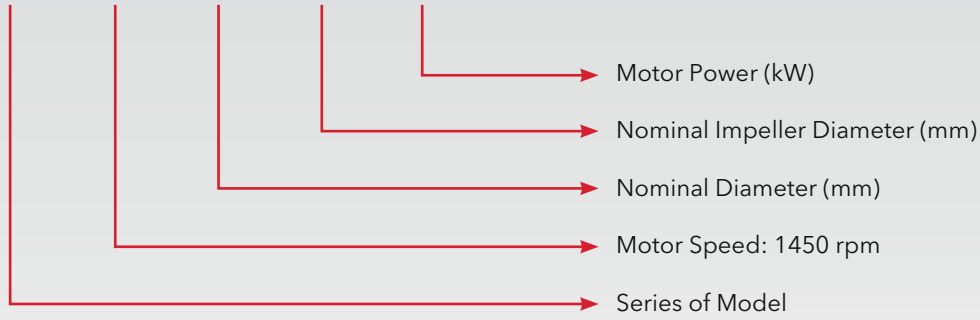
	PUMP TYPE	POWER (kW)	SPEED (rpm)	SOUND LEVEL
EILR	80-160	4	2900	63
EILR	80-160	5,5	2900	66
EILR	80-160	7,5	2900	67
EILR	80-160	11	2900	68
EILR	80-160	15	2900	71
EILR	80-200	11	2900	68
EILR	80-200	15	2900	71
EILR	80-200	18,5	2900	72
EILR	80-200	22	2900	73
EILR	80-200	30	2900	73
EILR	80-250	18,5	2900	72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

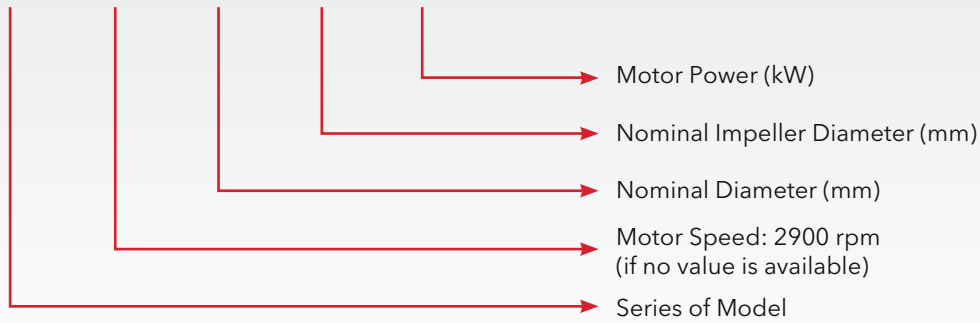
EILR 6 40 - 125 / 0,37



EILR 4 40 - 125 / 0,37



EILR ☐ 40 - 125 / 0,37



NOT : HF extension means that the circulator has a frequency controller.

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 TİP :	MVE ≥ 0,4		⑧
⑤ Q : m³/h	H :	mSS	②
⑥ DEVİR : rpm	GÜÇ :	Kw	③
⑦ SERİ NO :	YIL :		④

① Model

② Nominal Pressure

③ Nominal Power

④ Year of Manufacture

⑤ Nominal Flow Rate

⑥ Motor's Rotation Speed

⑦ Serial Number

⑧ Minimum Efficiency Index Value

EILR-EILR4-EILR6

LIST OF MODELS AND TABLE OF MATERIALS

ETNA®

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	

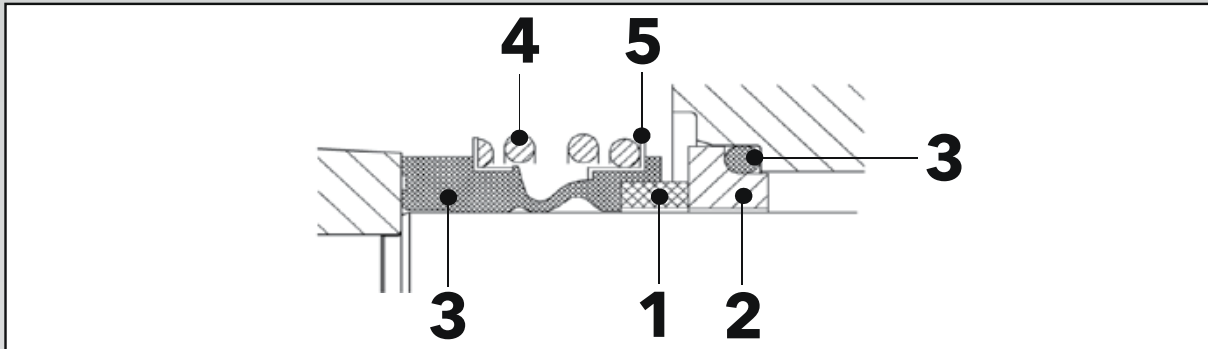
MODELS		
4 POLES (2900 rpm)		
40-125/02	50-250/15	80-200/40
40-125/03	50-250/22*	80-250/30
40-125/05*	50-250/30	80-250/40
40-160/03	65-125/03	80-250/55*
40-160/05*	65-125/05*	80-250/75
40-160/07	65-125/07	100-160/11
40-200/07	65-160/05*	100-160/15
40-200/11	65-160/07	100-160/22*
40-200/15	65-160/11	100-160/30
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.	PART	MATERIAL	REF. REFERENCE STANDARDS	
No.			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/ Silicium 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 DETAIL

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		

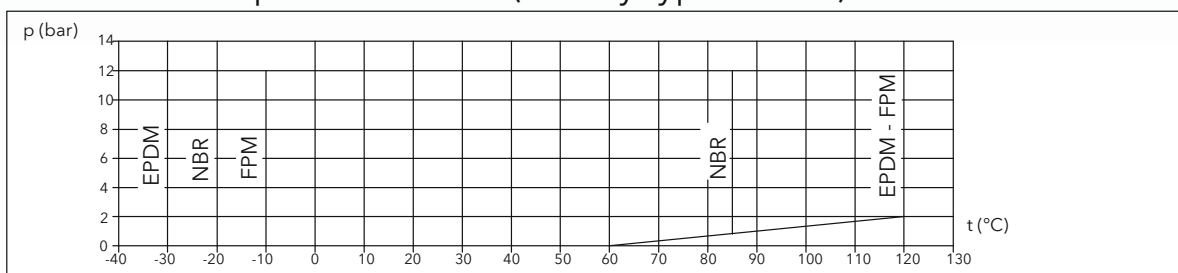
EIL Seal Type

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

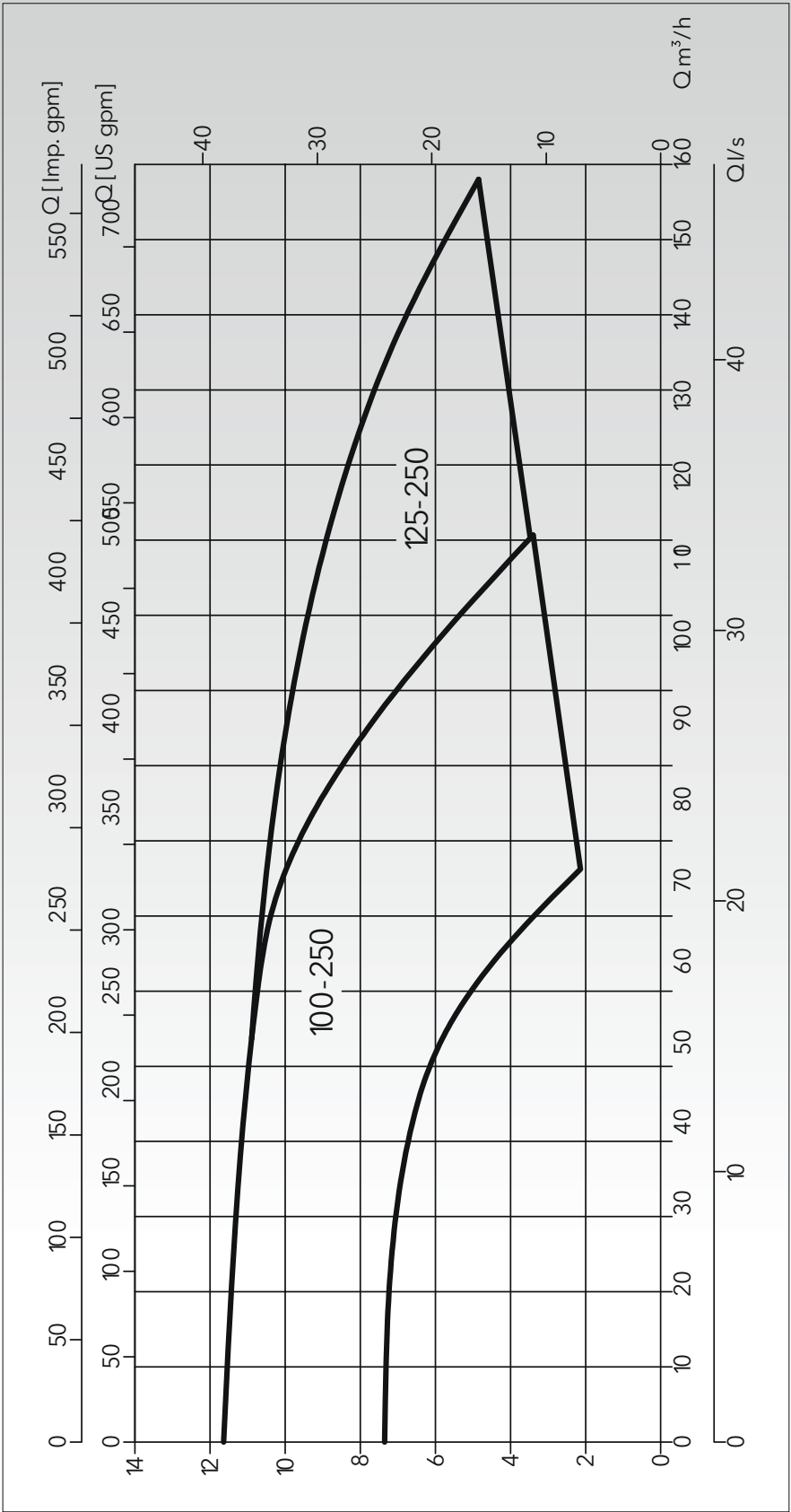
EIL R Salmastra Type

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

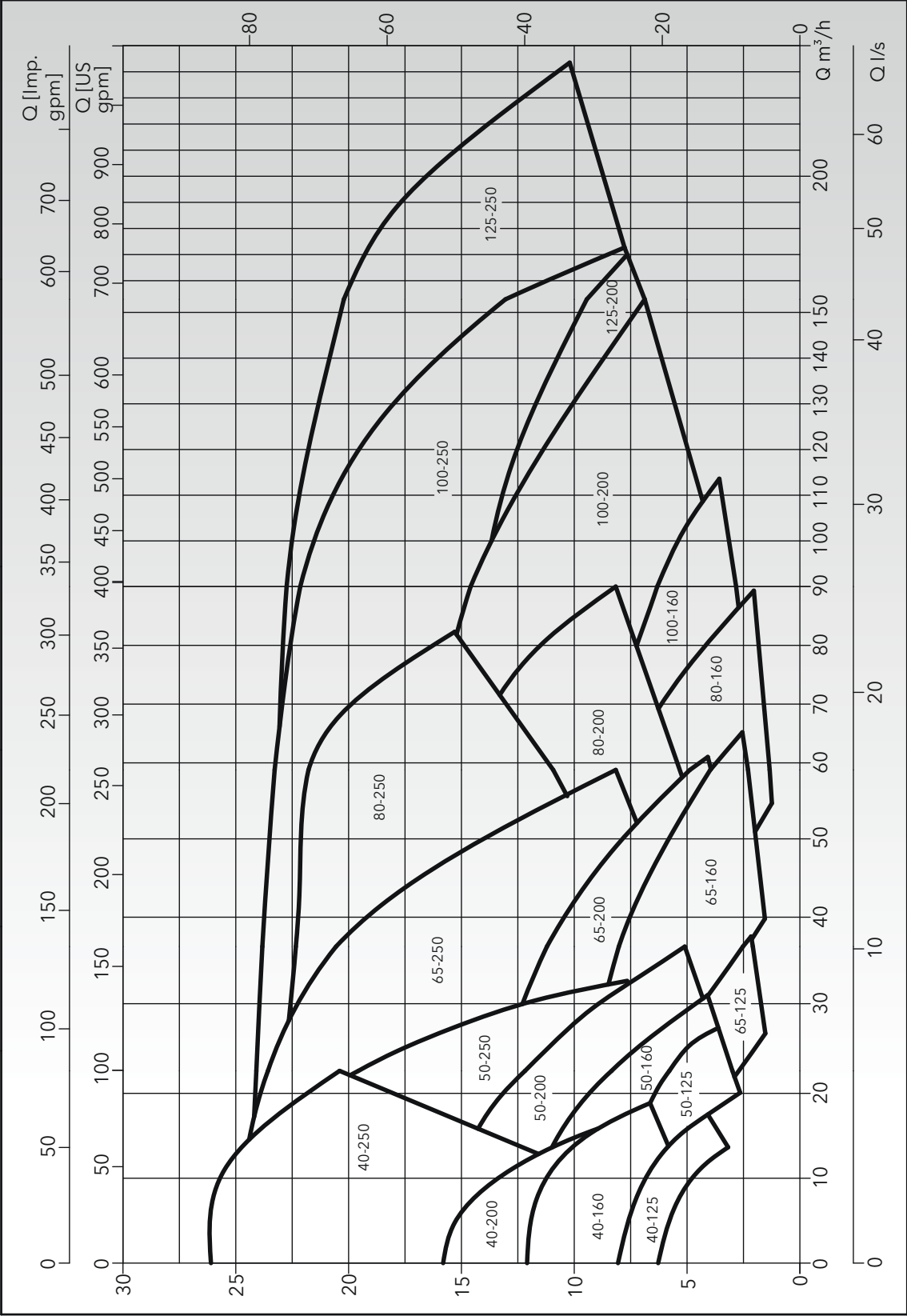
Pressure / Temperature Limits (for any type of seal)



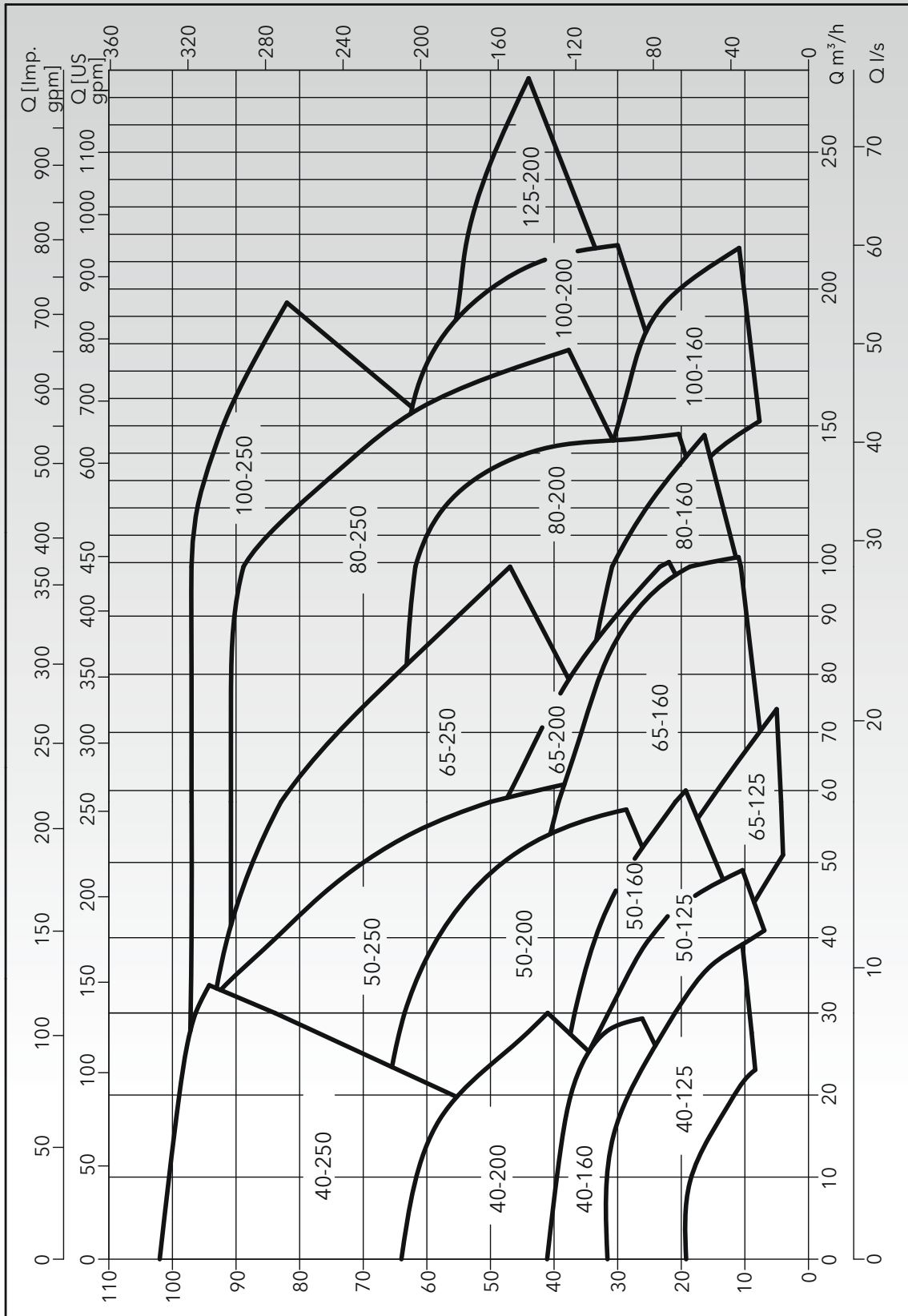
6 Pole Motor (975 rpm) - 50Hz



4 Pole Motor (1450 rpm) - 50Hz

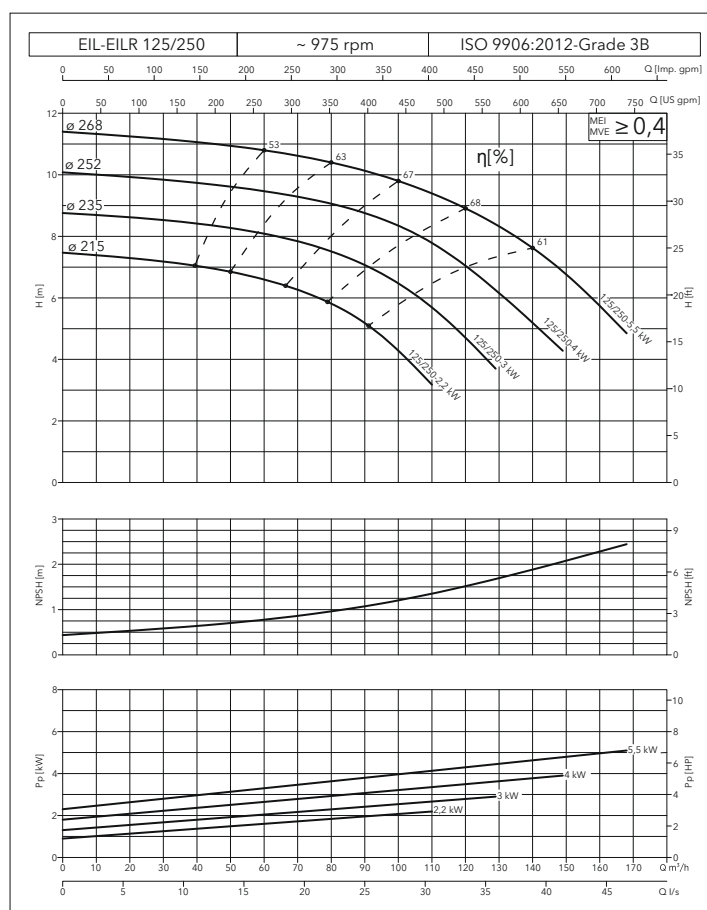
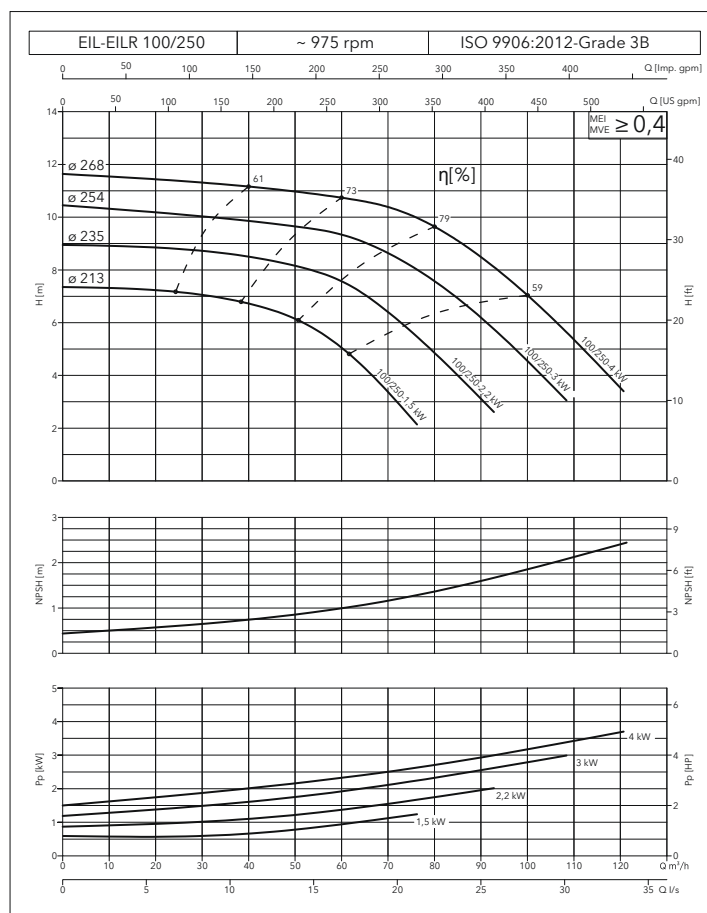


2 Pole Motor (2900 rpm) - 50Hz



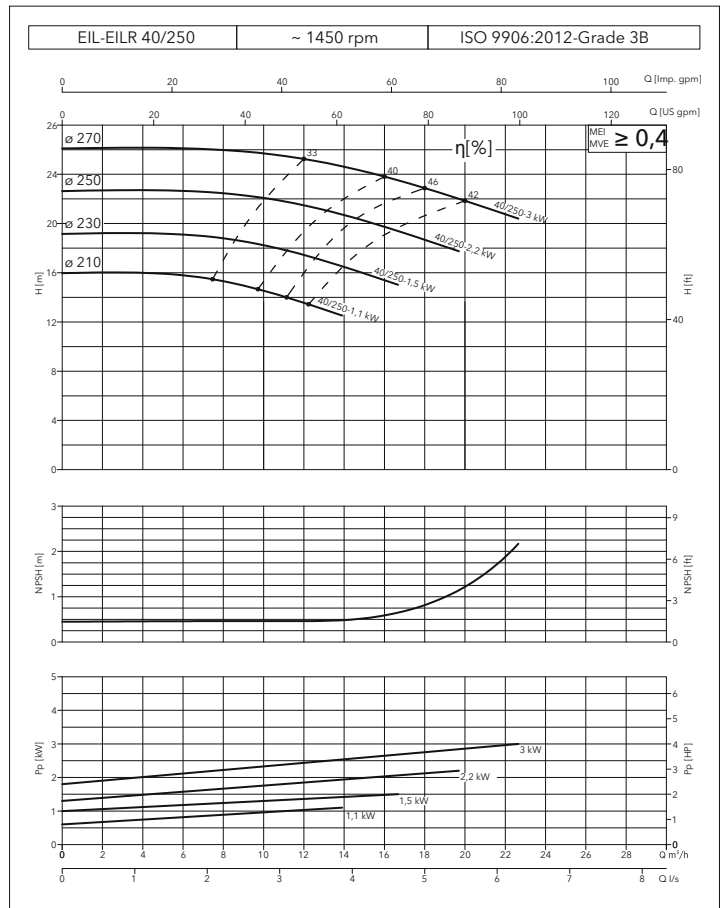
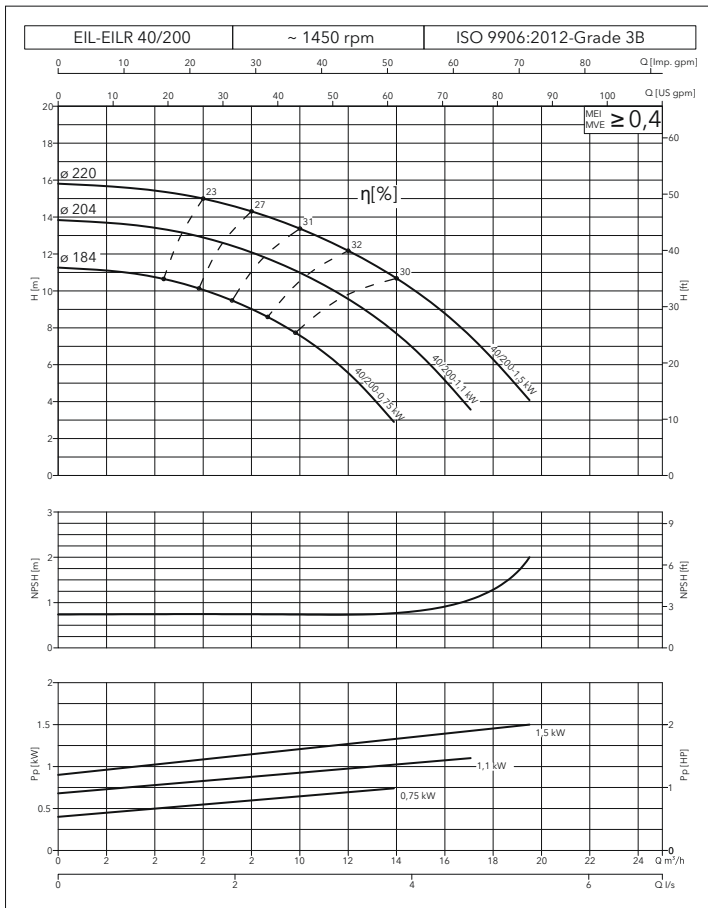
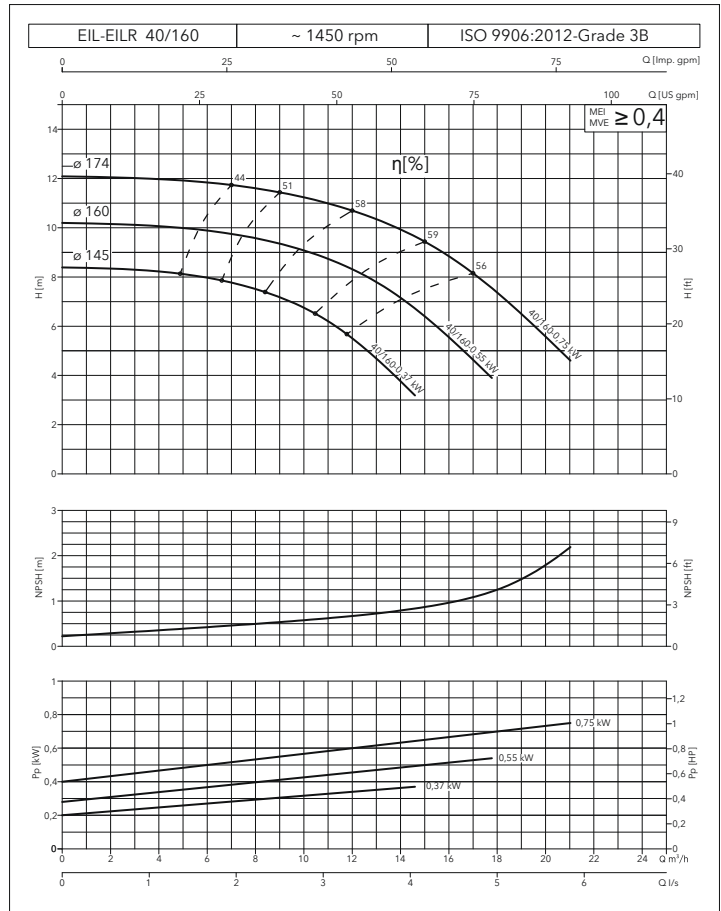
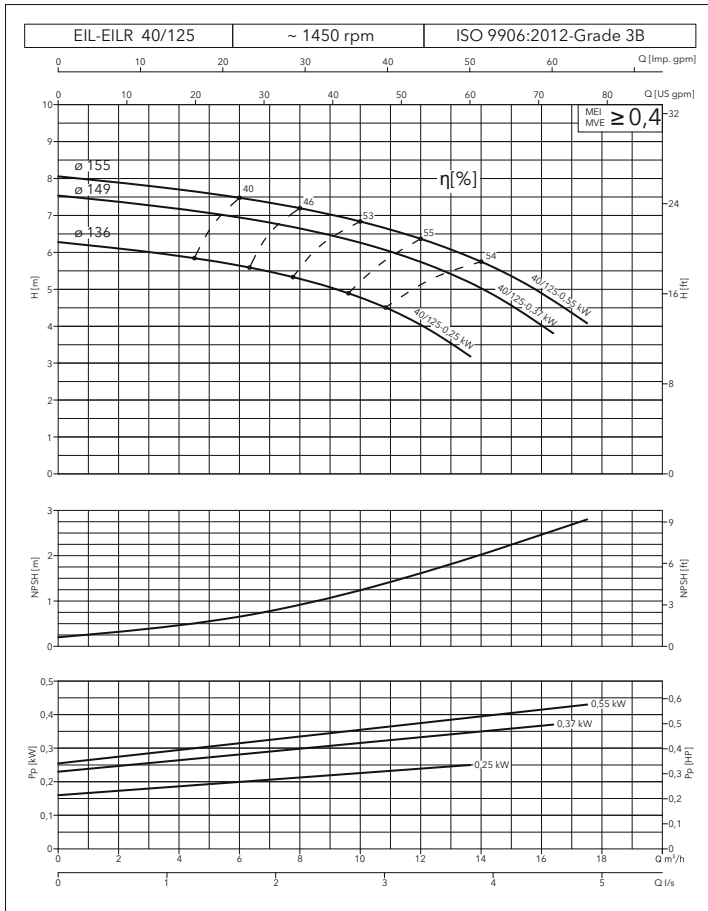
EILR6 SERIES

HYDRAULIC PERFORMANCE CURVES



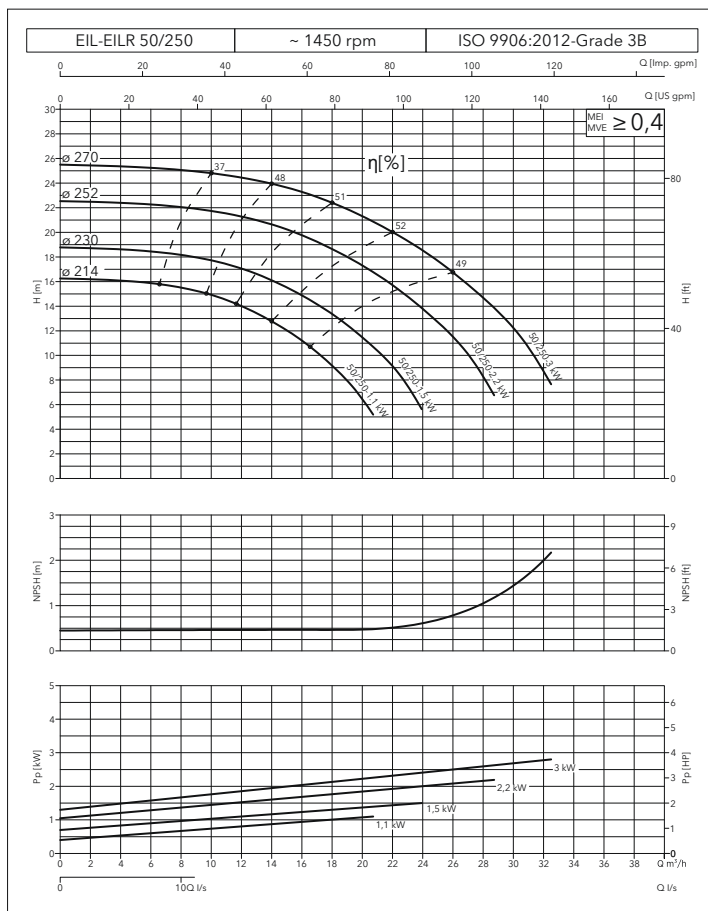
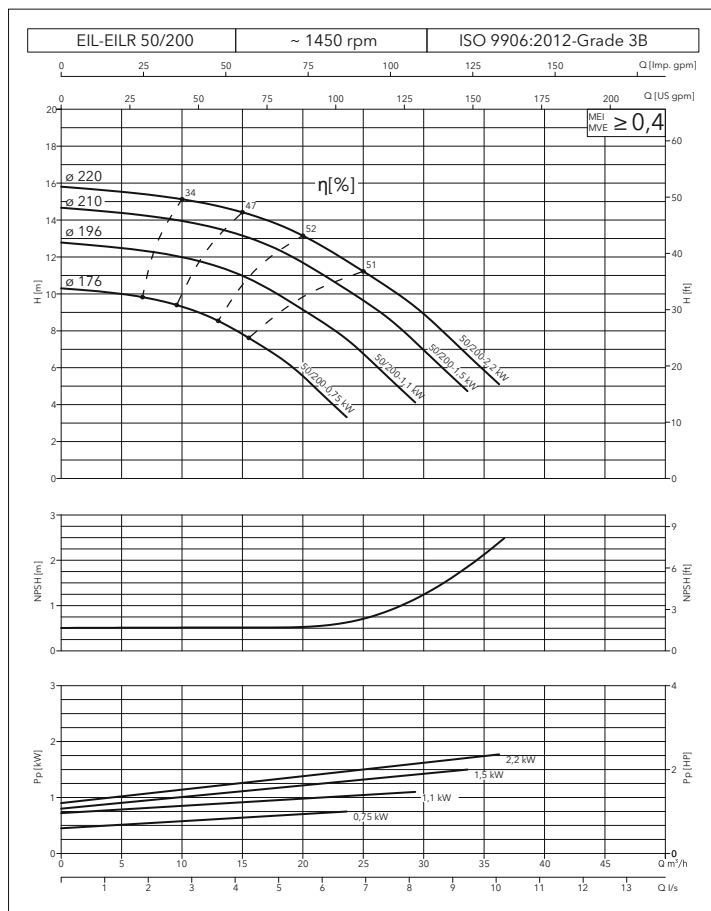
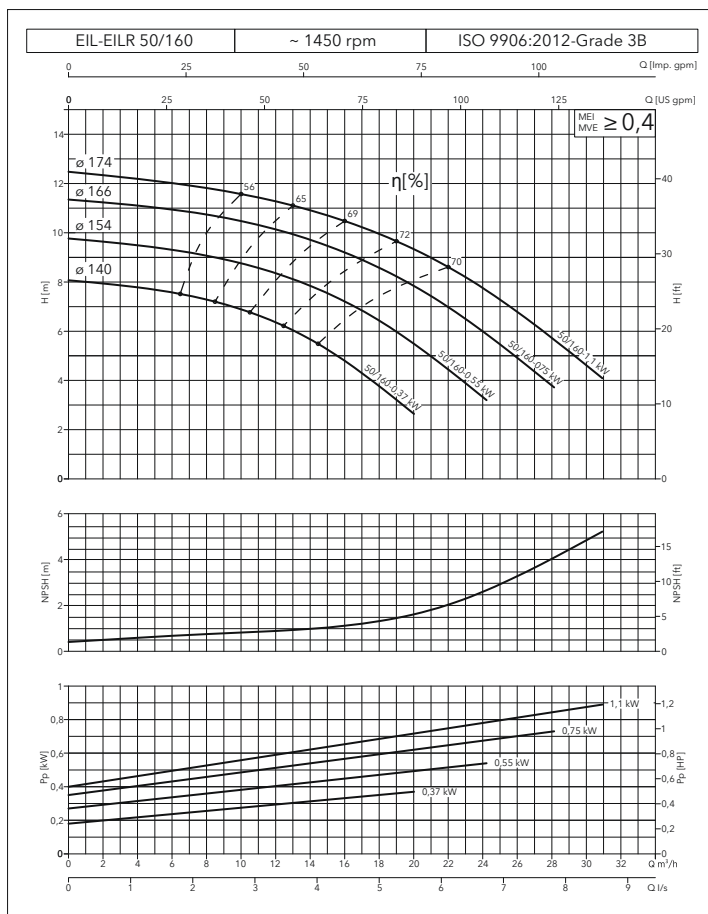
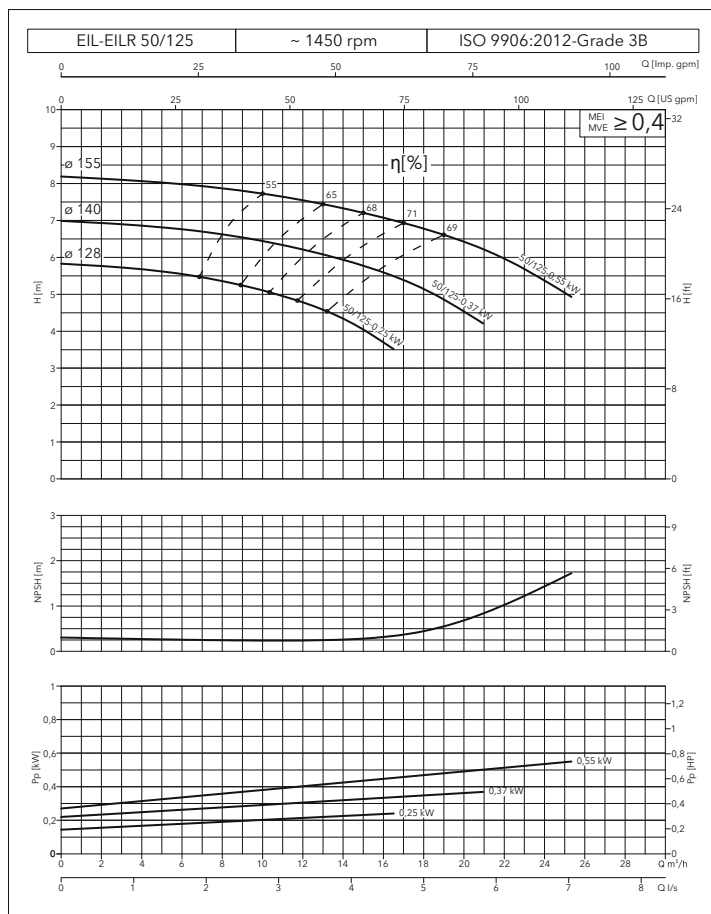
EILR4 SERIES HYDRAULIC PERFORMANCE CURVES

ETNA®



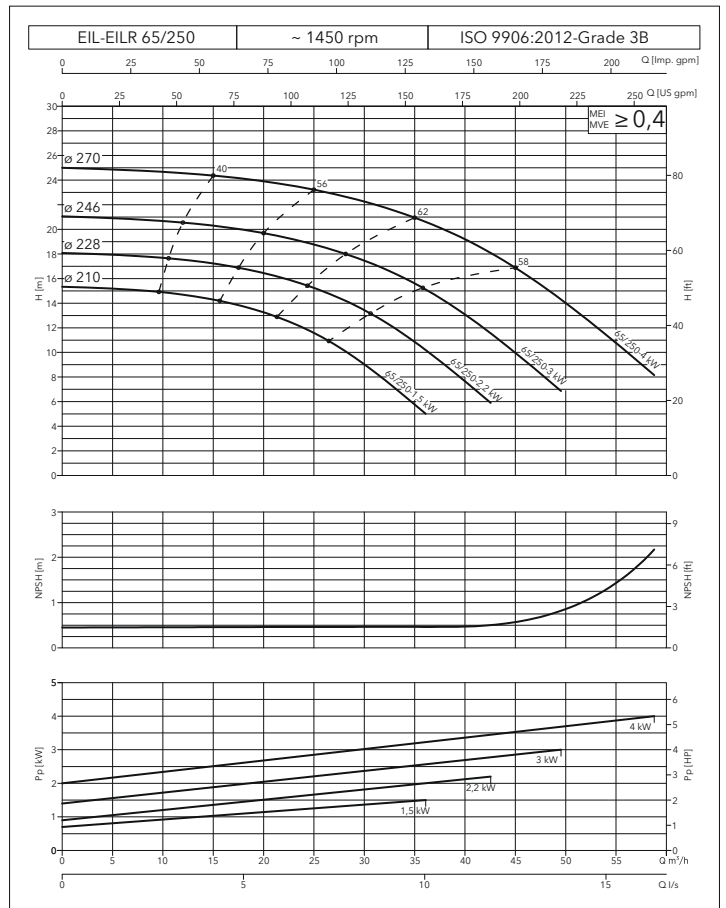
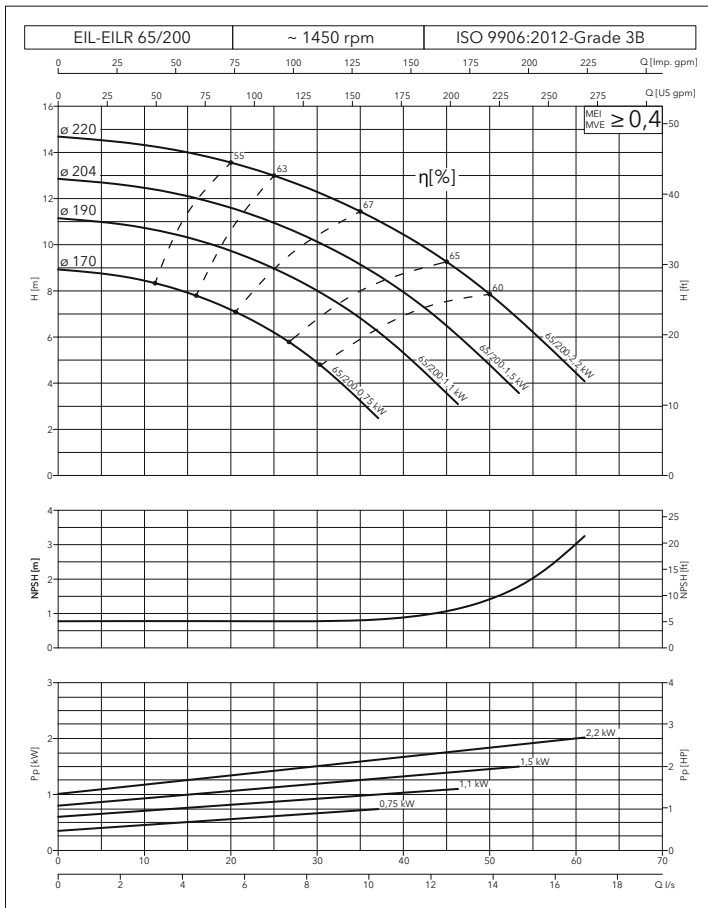
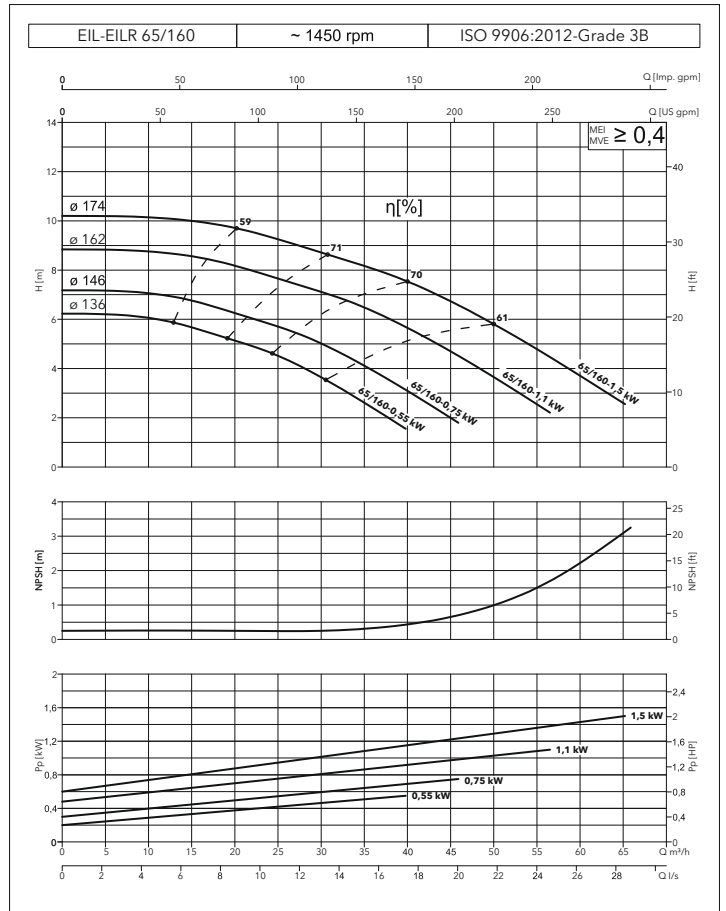
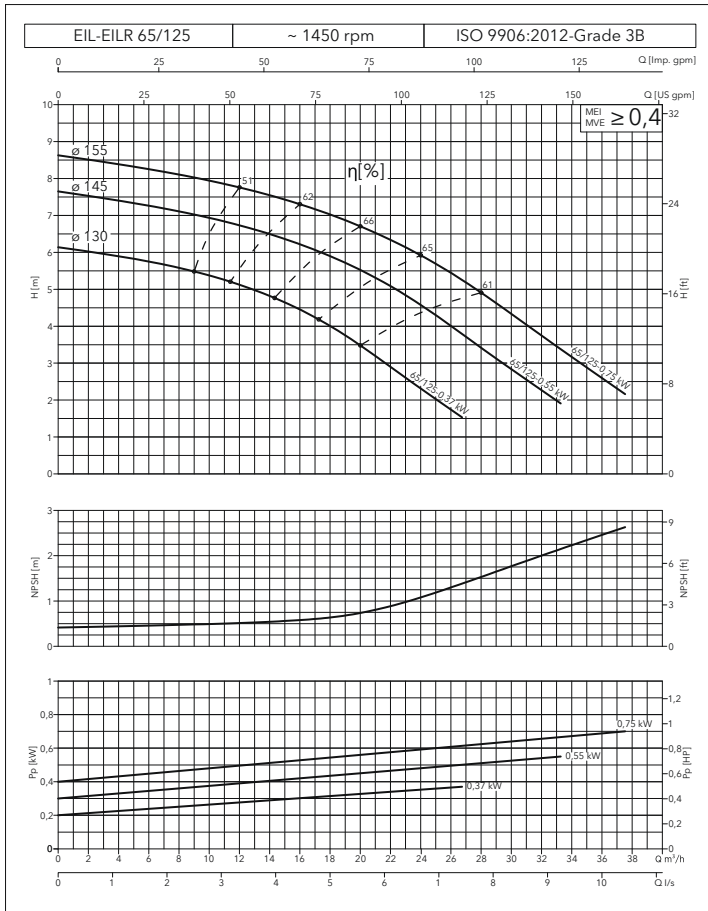
EILR4 SERIES

HYDRAULIC PERFORMANCE CURVES



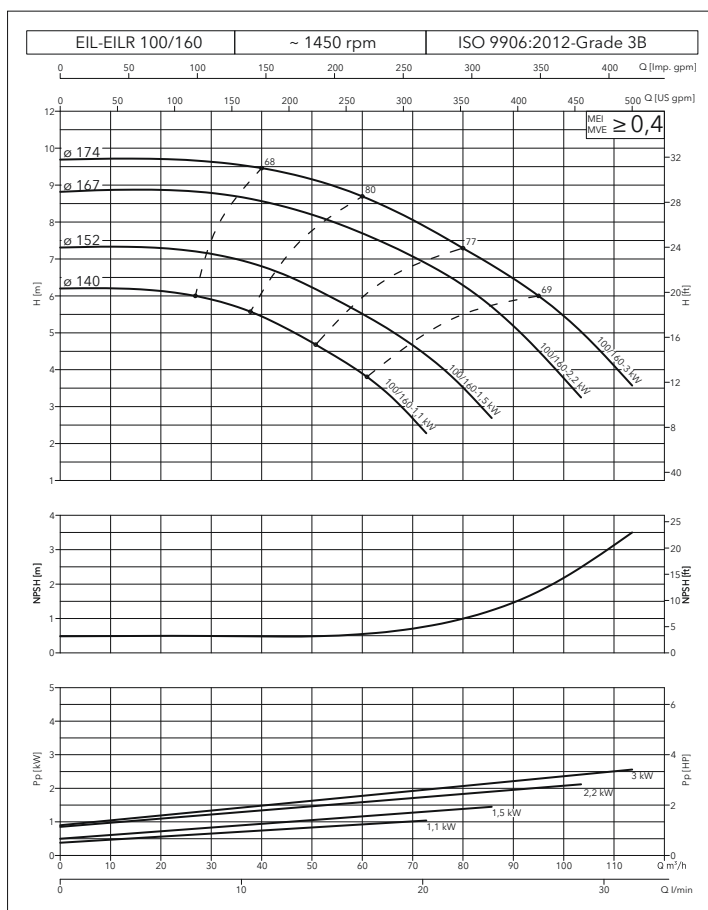
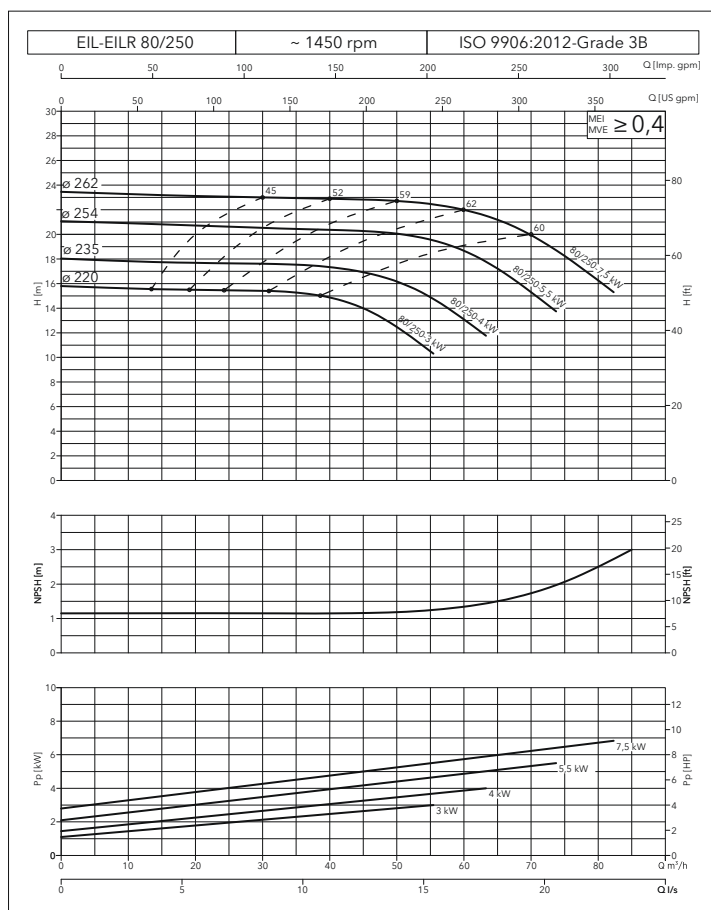
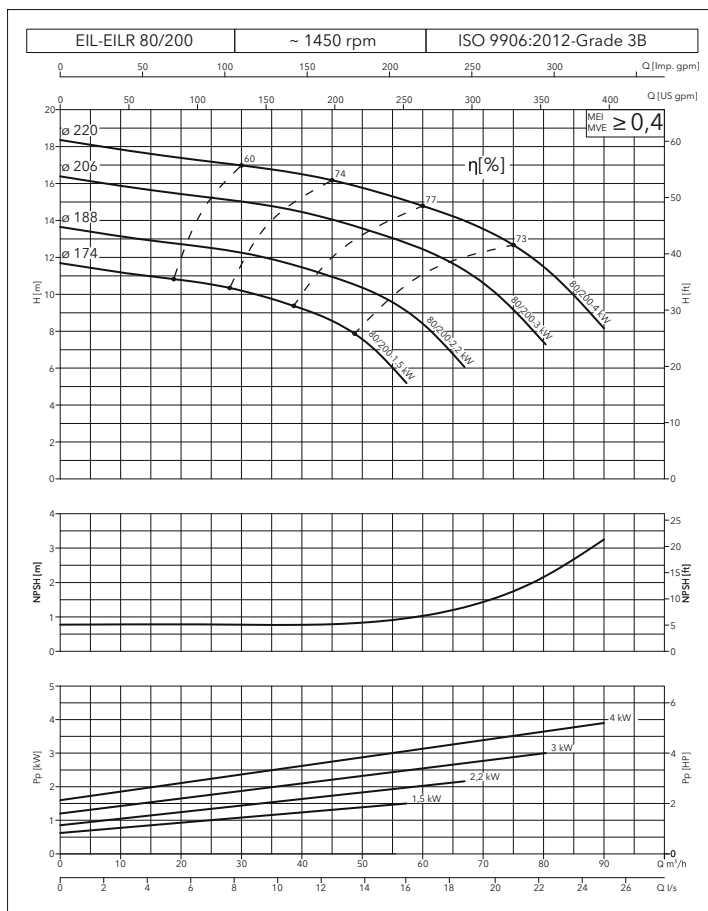
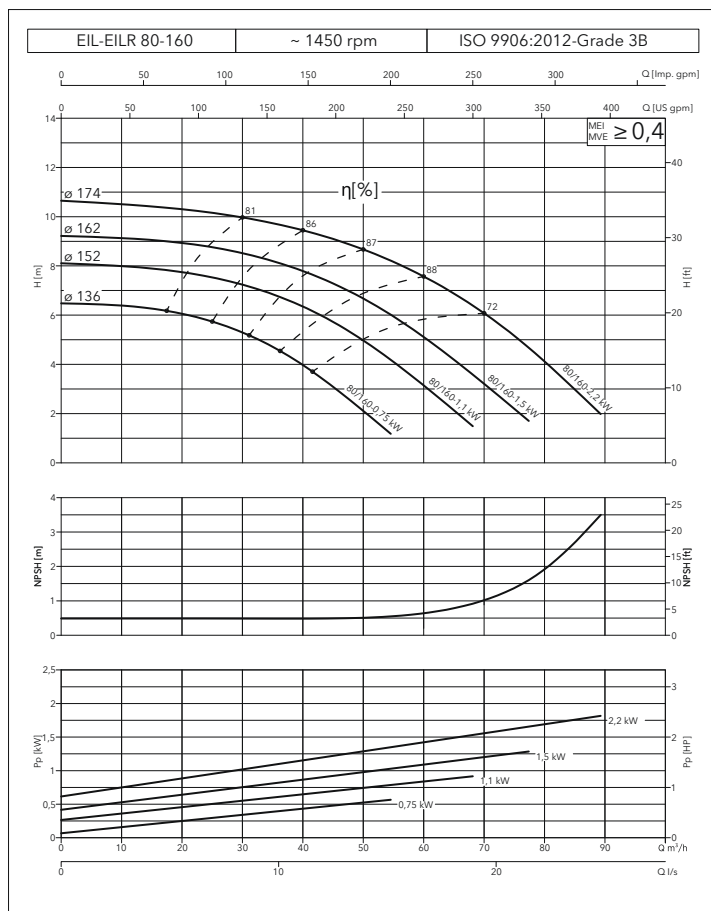
EILR4 SERIES HYDRAULIC PERFORMANCE CURVES

ETNA®



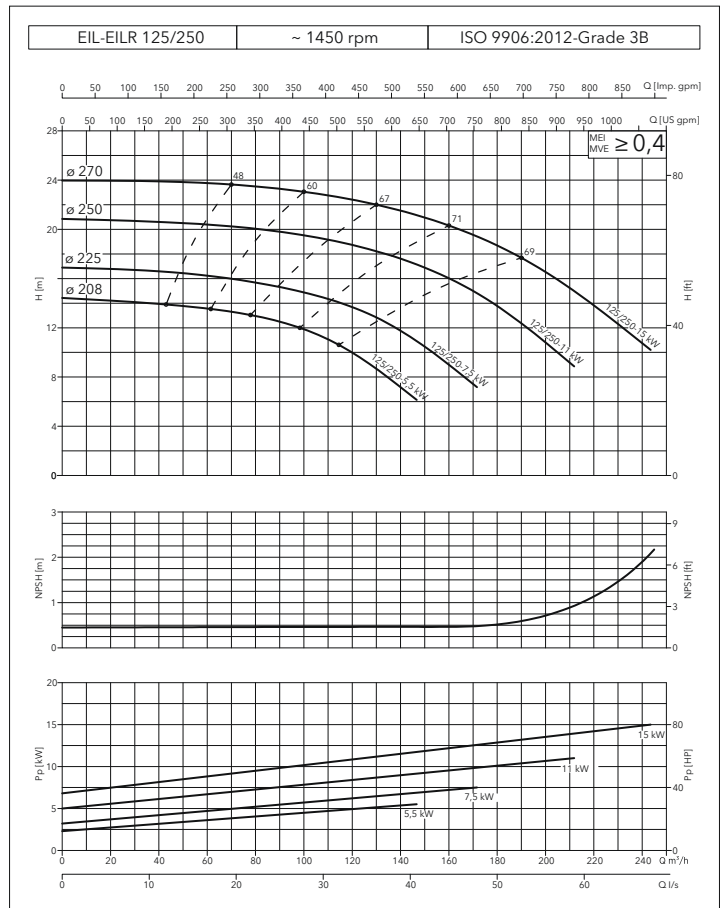
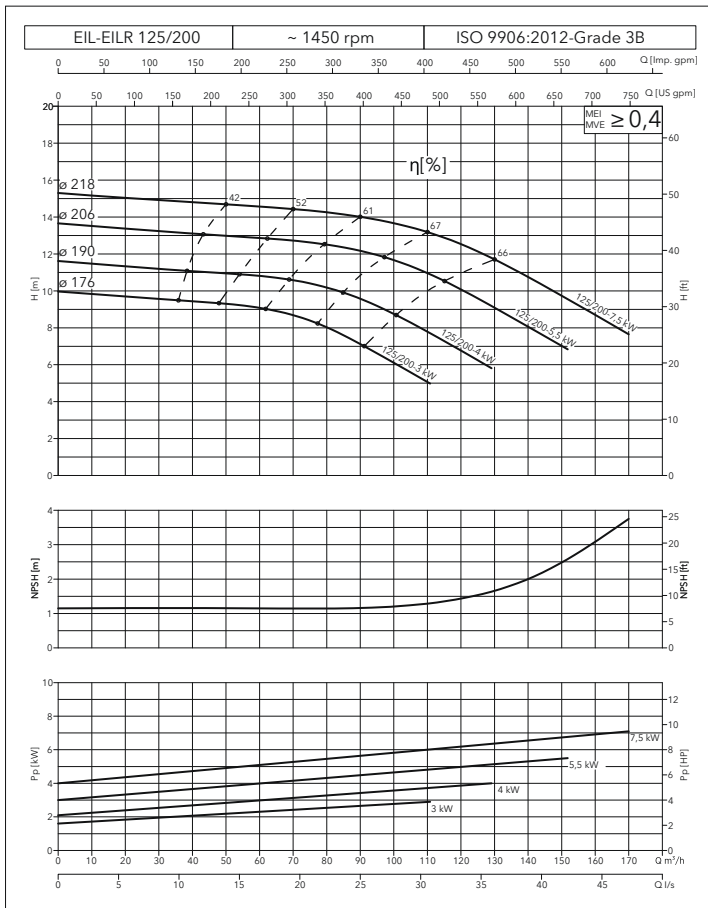
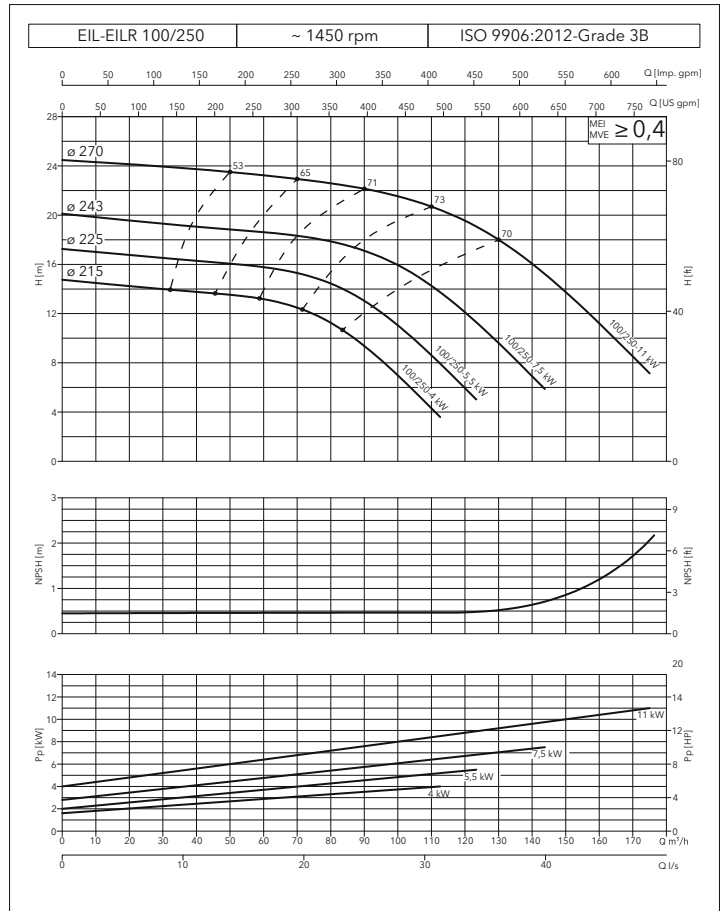
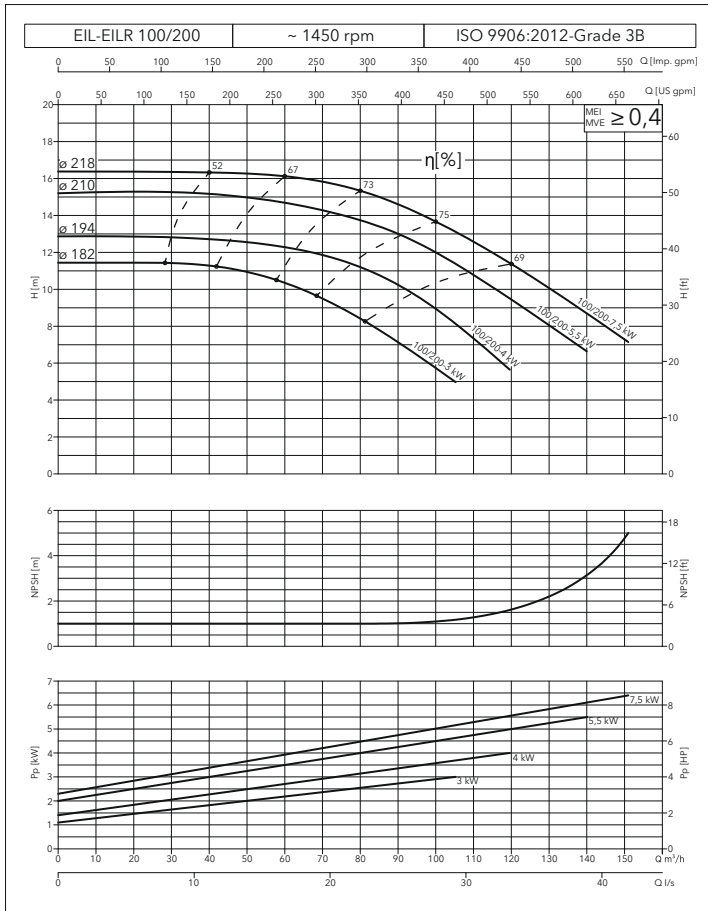
EILR4 SERIES

HYDRAULIC PERFORMANCE CURVES

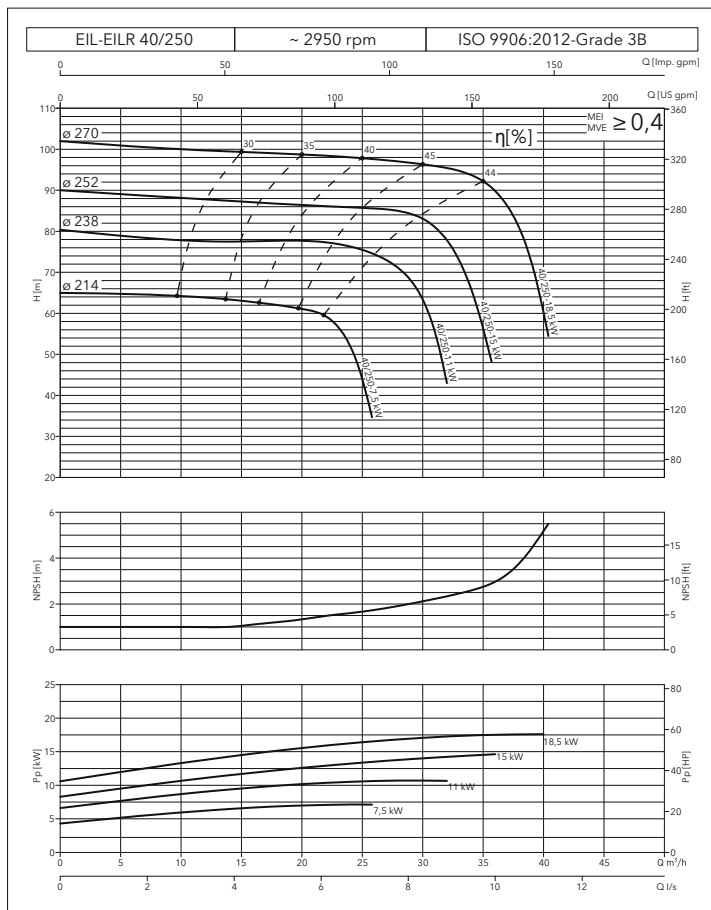
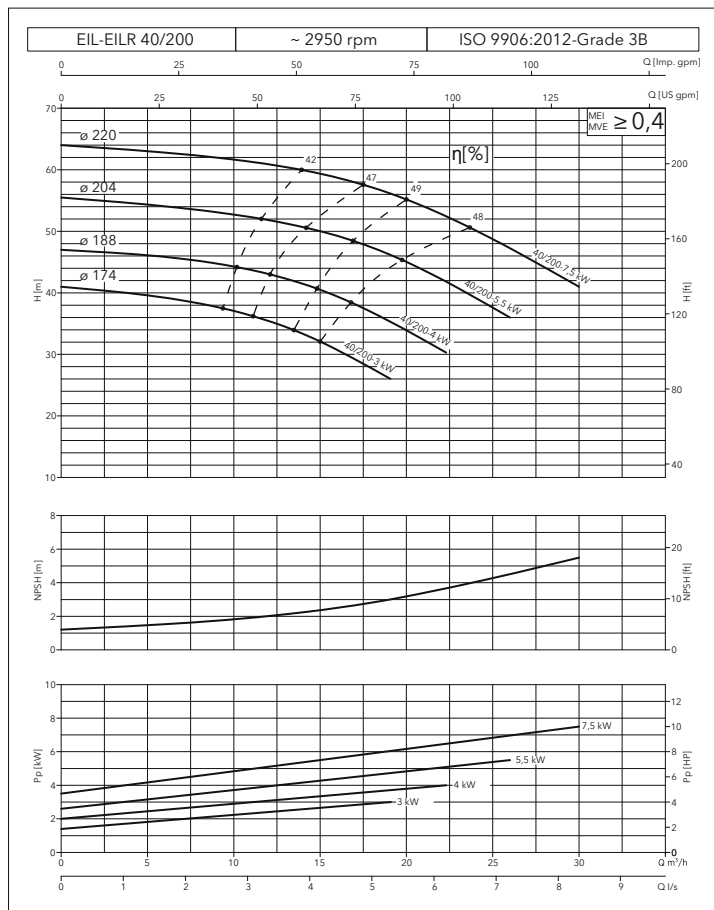
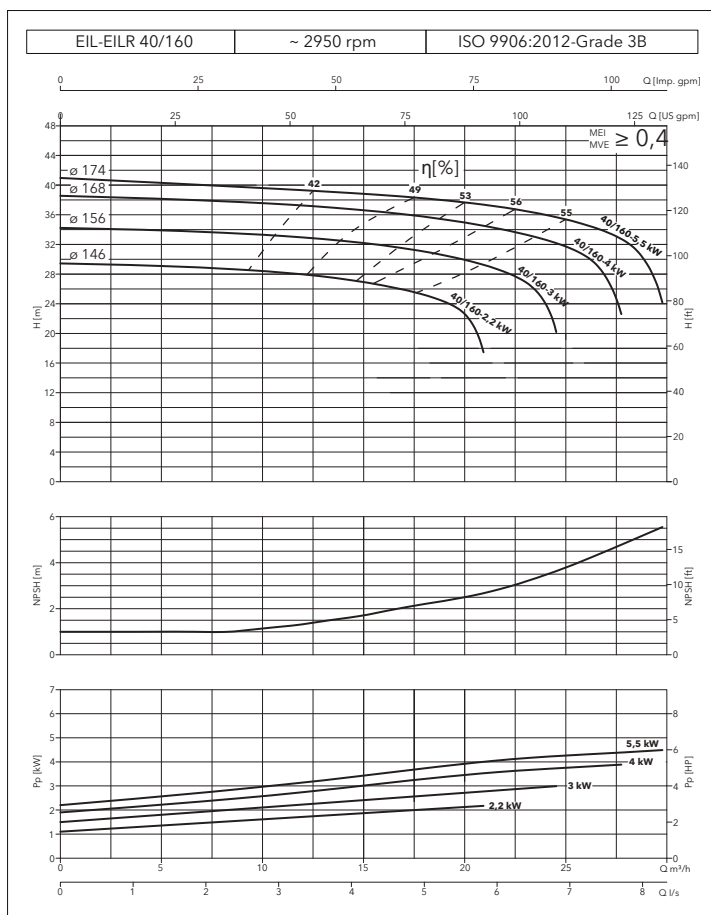
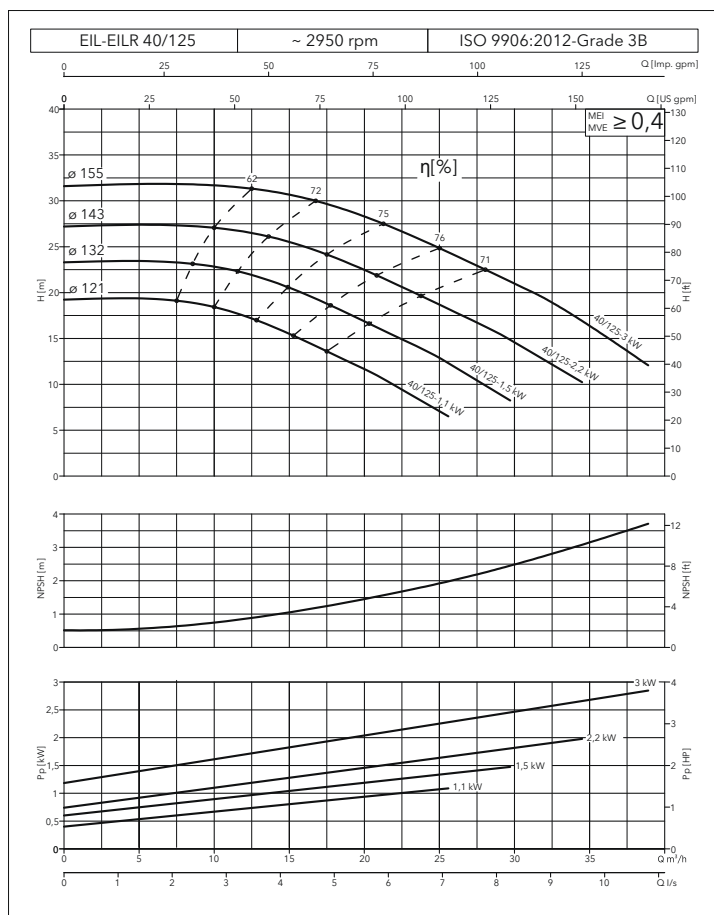


EILR4 SERIES HYDRAULIC PERFORMANCE CURVES

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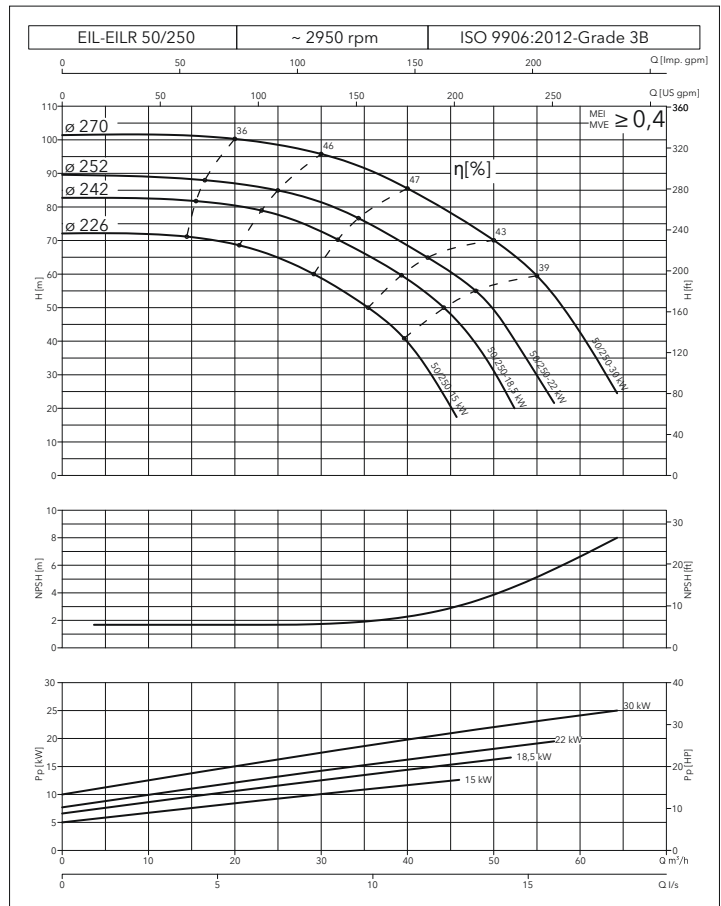
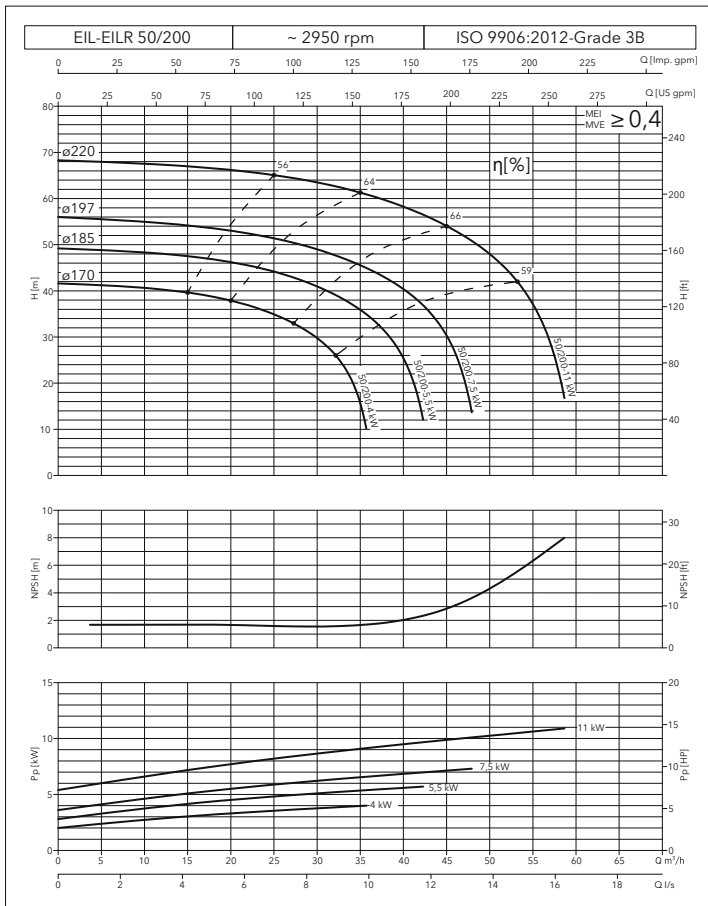
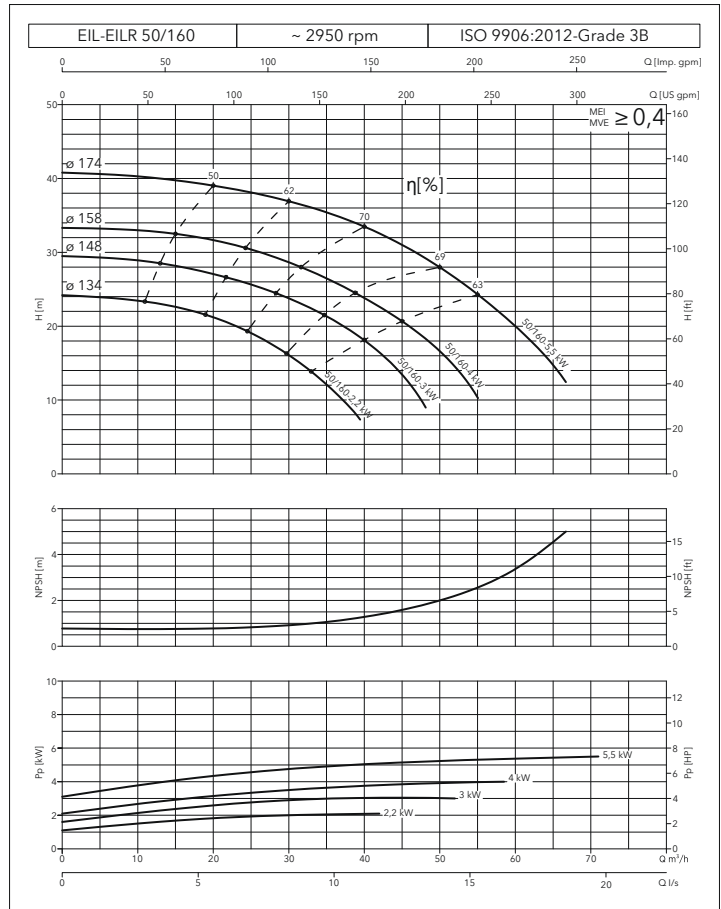
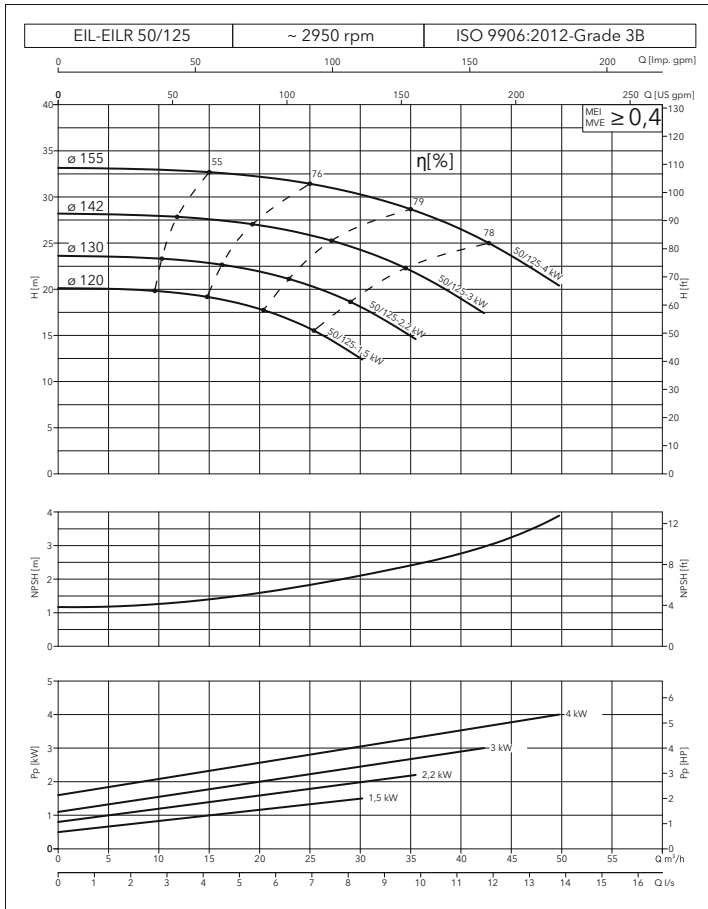


EILR SERIES HYDRAULIC PERFORMANCE CURVES



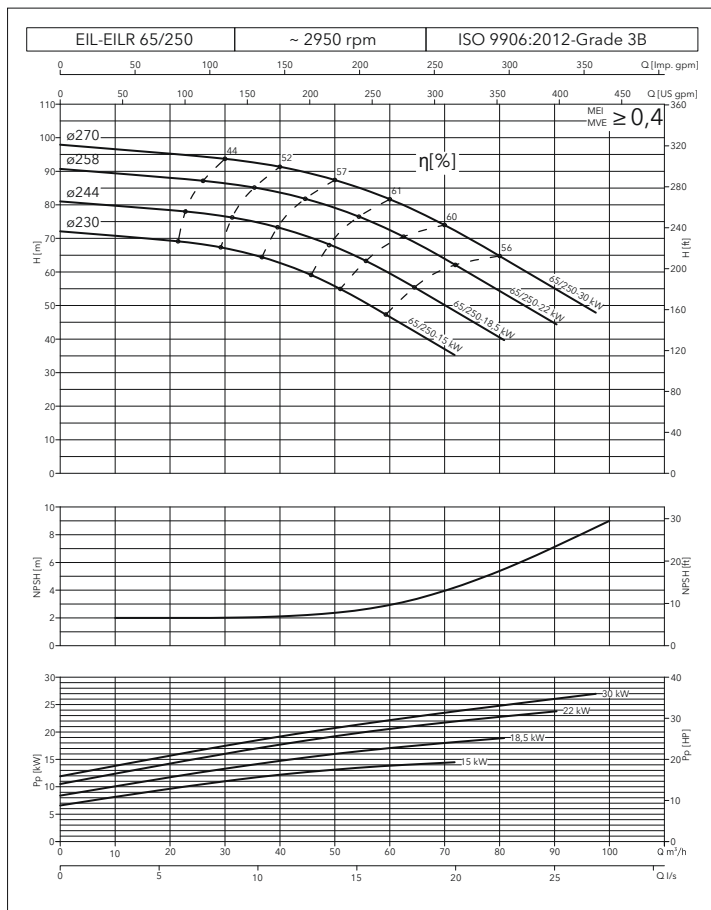
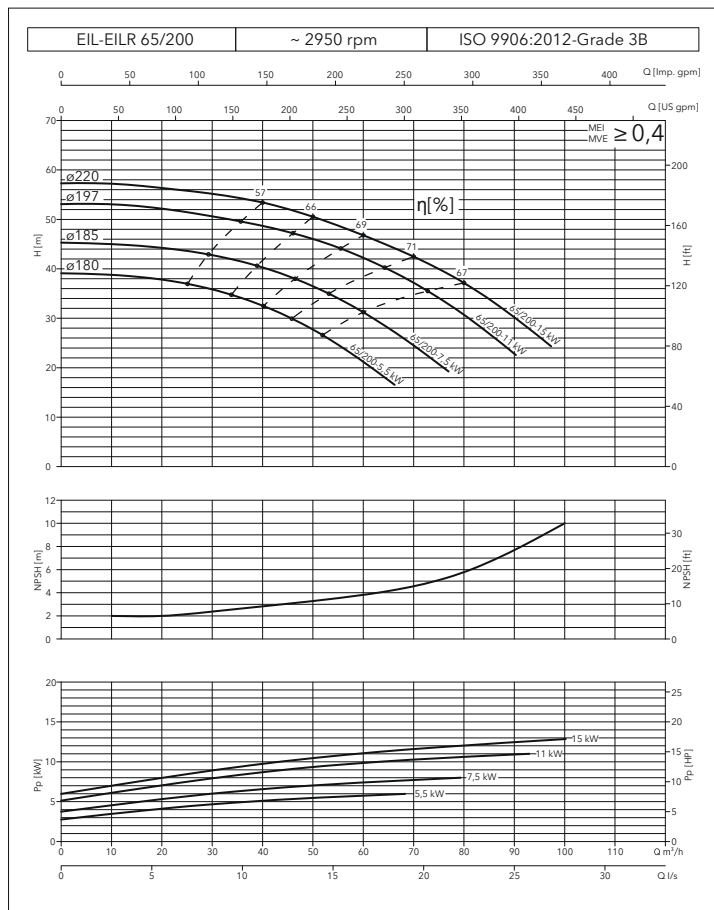
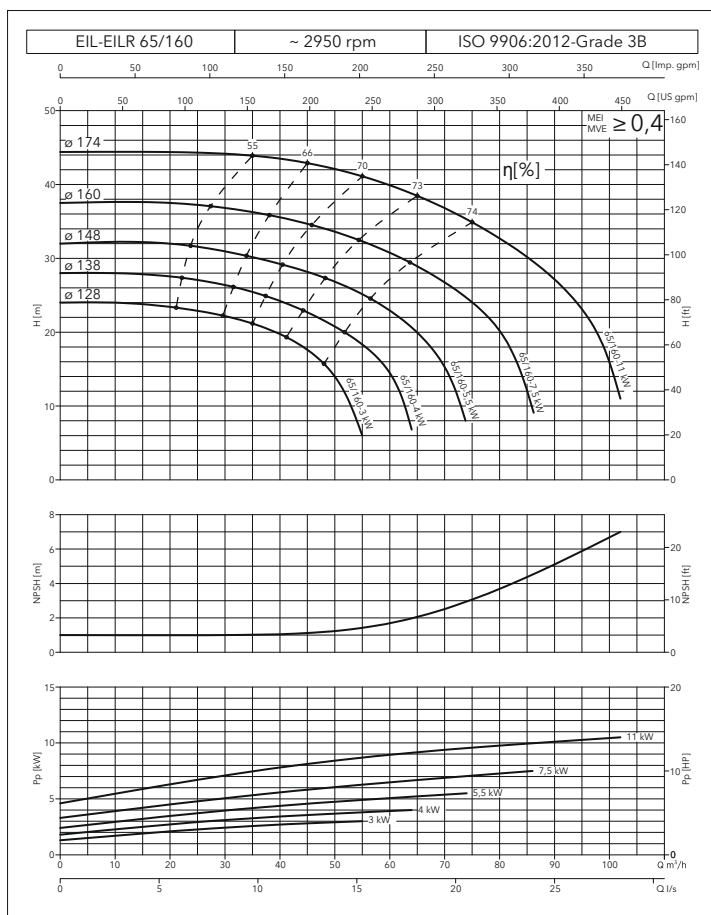
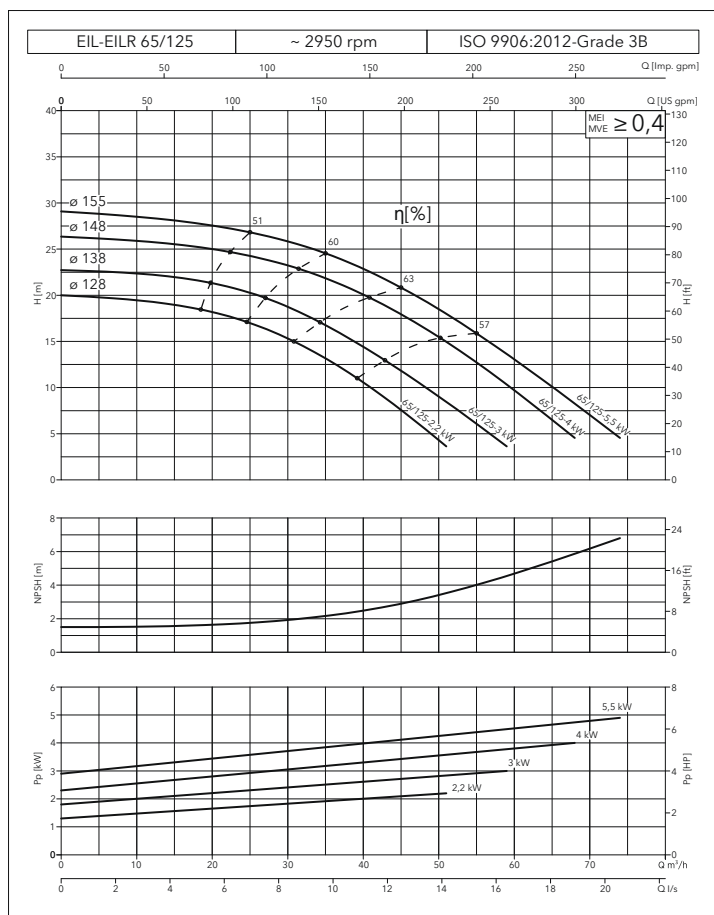
EILR SERIES HYDRAULIC PERFORMANCE CURVES

ETNA®



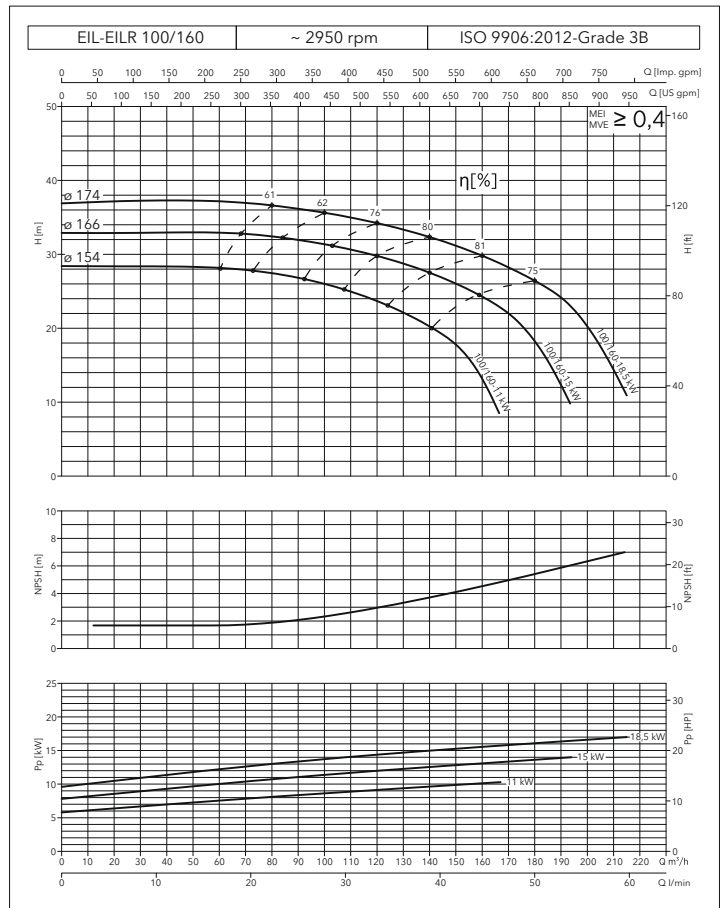
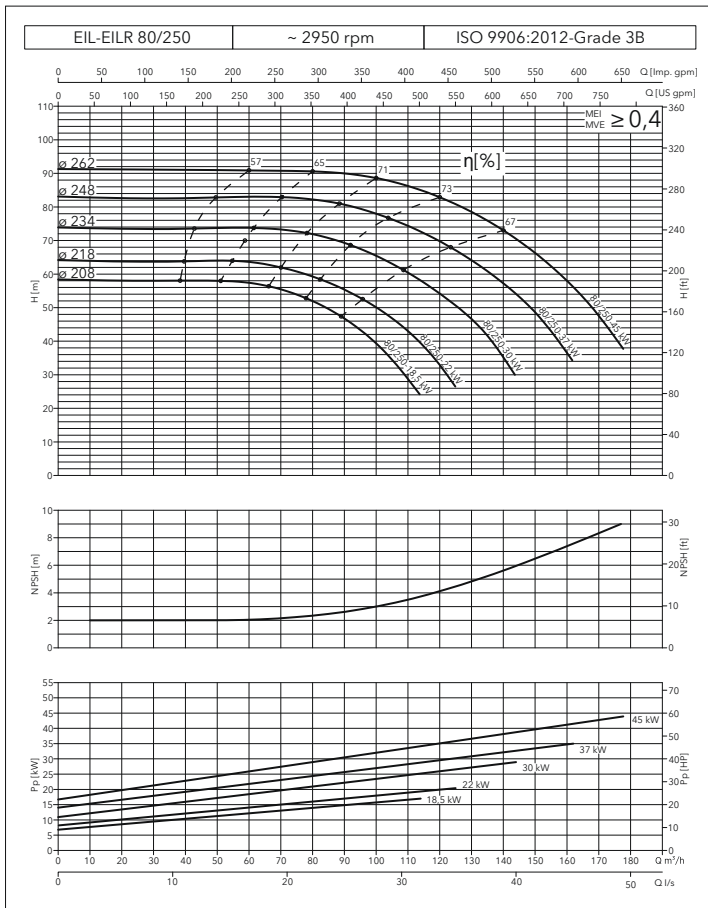
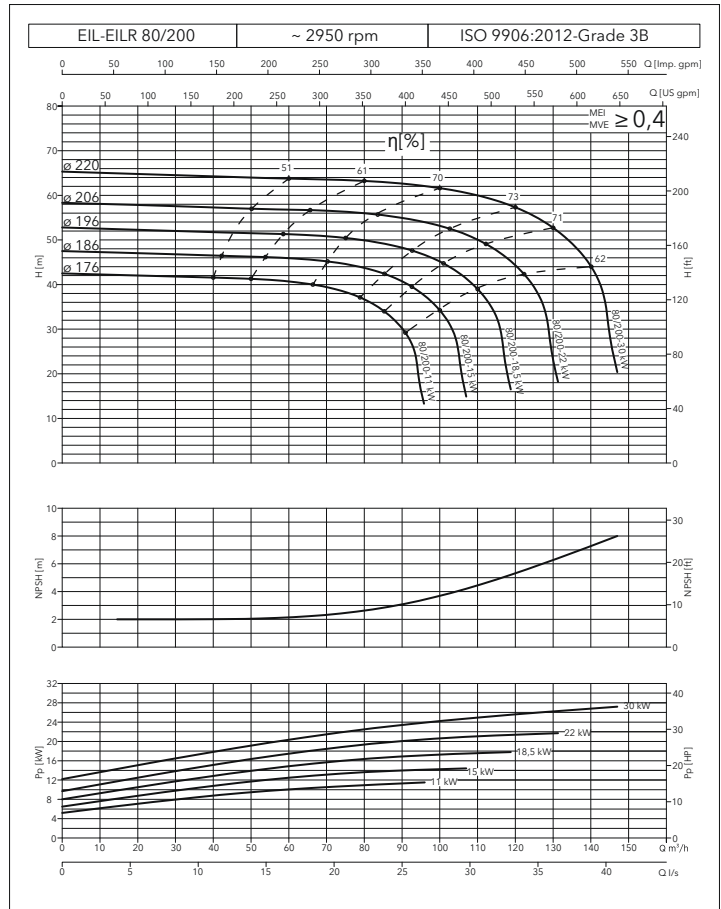
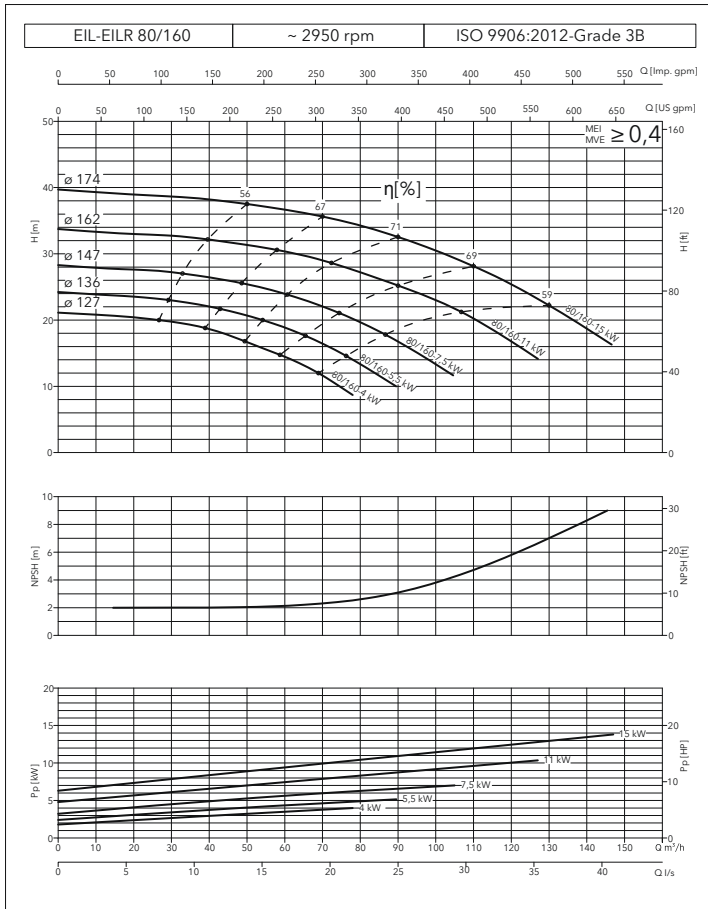
EILR SERIES

HYDRAULIC PERFORMANCE CURVES



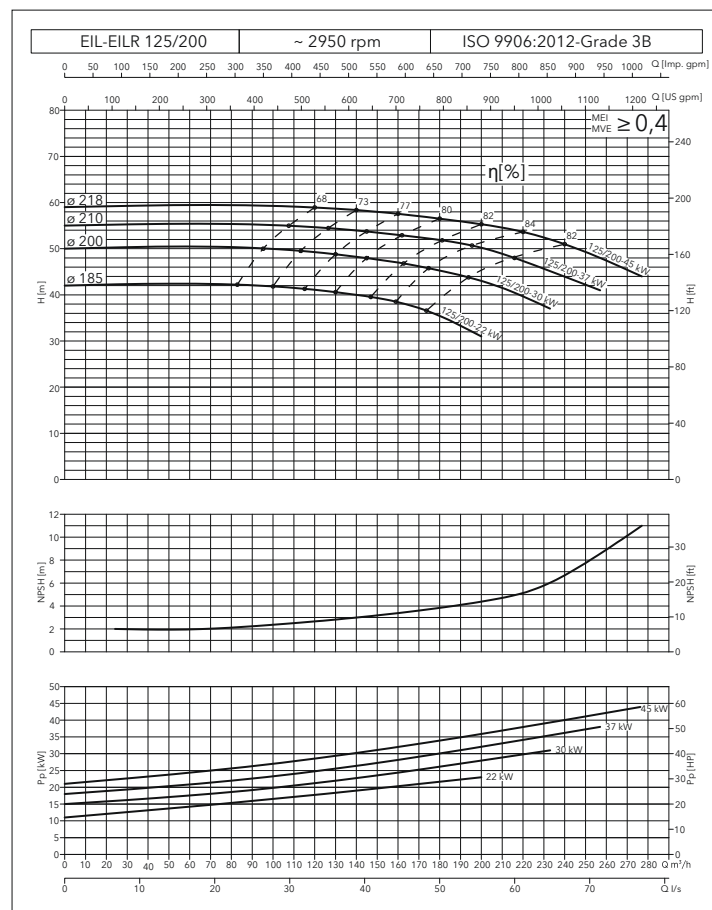
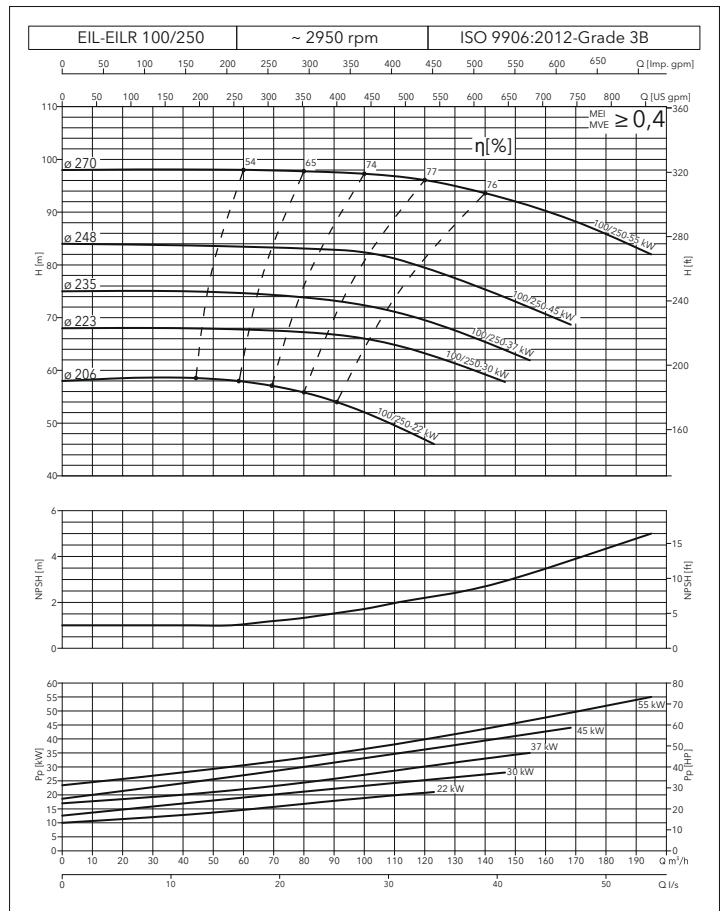
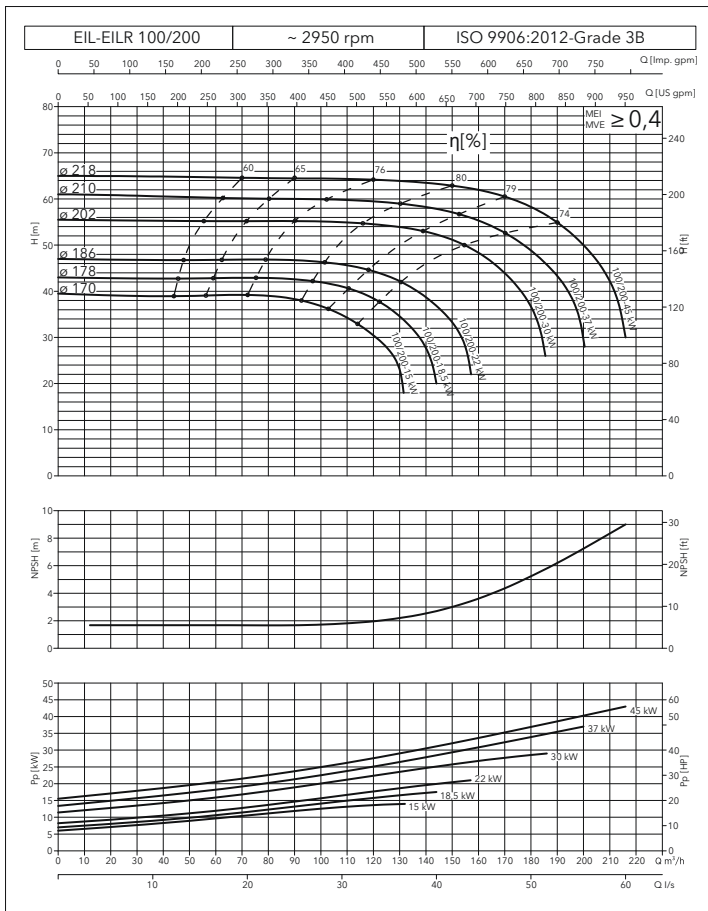
EILR SERIES HYDRAULIC PERFORMANCE CURVES

ETNA®



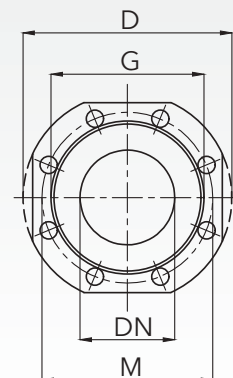
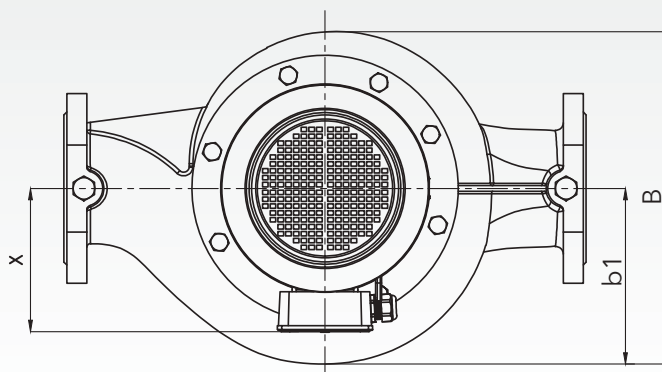
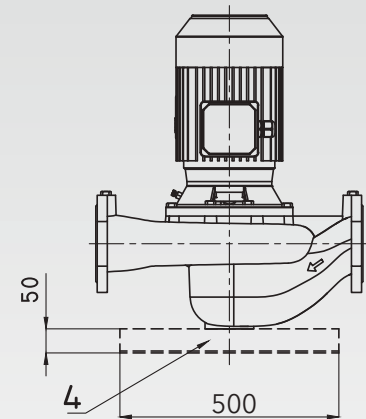
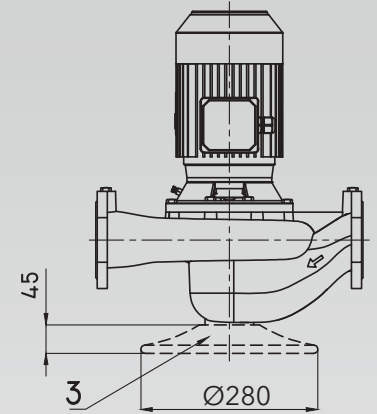
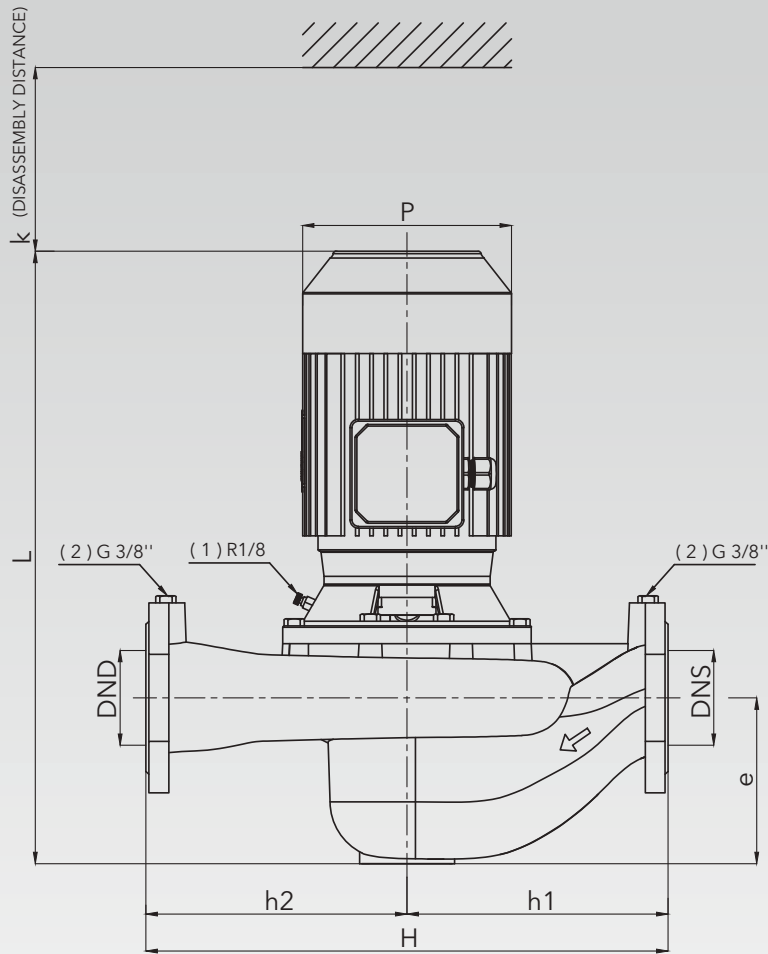
EILR SERIES

HYDRAULIC PERFORMANCE CURVES



EILR -EILR4-EILR6 SERIES DIMENSIONS AND WEIGHTS

ETNA®



- (1) R1/8 AIR DISCHARGE VALVE
- (2) G 3/8" PRESSURE GAUGE CONNECTION
- (3) 0.2kW....11kW PUMP LOWER FOOT OPTION
- (4) 15kW...45kW PUMP LOWER BASE IS OPTION

DN	D	M	G	HOLE		Max. Thickness
				N°	Ø	
40	150	110	88	4	18	20
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

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)

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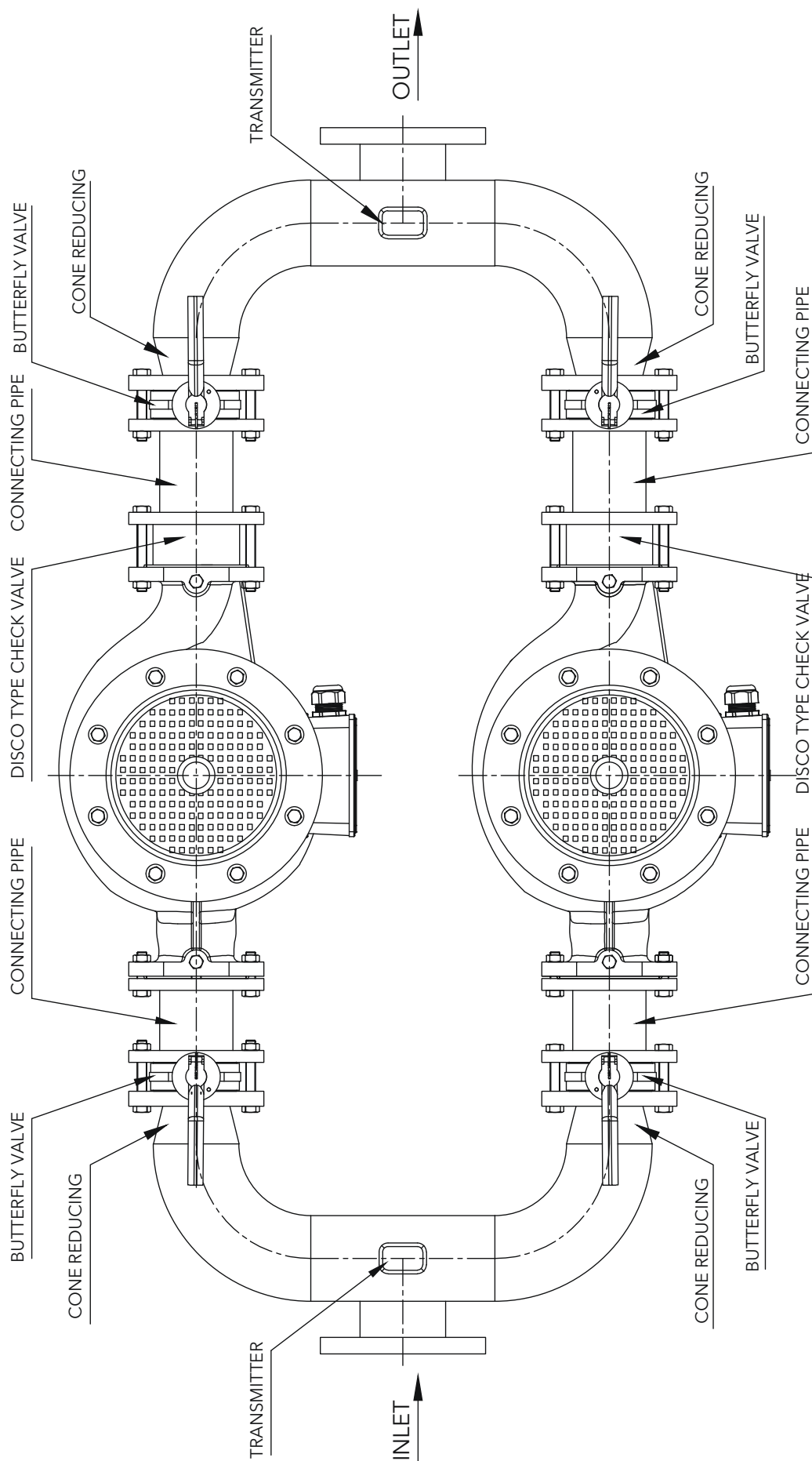
PUMP MODEL EILR 4		DIMENSIONS (mm)											WEIGHT kg				
		DND	DNS	e	h1	h2	Hmax	B	b1	L	P	k		x			
EILR4	40-125/02	40	40	105	160	140	300	215	115	410	140	100	110	30			
EILR4	40-125/03													32			
EILR4	40-125/05*													32			
EILR4	40-160/03			85	160	160	320	245	130	390	155			120	32		
EILR4	40-160/05*														32		
EILR4	40-160/07												36				
EILR4	40-200/07			100	190	190	380	270	135	465	485		130		41		
EILR4	40-200/11														44		
EILR4	40-200/15													47			
EILR4	40-250/11			105	215	225	440	325	170	510	175			135	59		
EILR4	40-250/15														62		
EILR4	40-250/22*												64				
EILR4	40-250/30			575	195	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			100	180	180	360	260	125	405	155			120	38		
EILR4	50-160/05*														36		
EILR4	50-160/07												41				
EILR4	50-160/11*			500	175	130	44										
EILR4	50-200/07						44										
EILR4	50-200/11						515	175	47								
EILR4	50-200/15			50													
EILR4	50-200/22*			52													
EILR4	50-250/11			125	215	225			440	325	165		60				
EILR4	50-250/15													62			
EILR4	50-250/22*						62										
EILR4	50-250/30			580	195	70											
EILR4	65-125/03	65	65	135	180	160	340	230	130	440	140	130	110	37			
EILR4	65-125/05*													35			
EILR4	65-125/07													115	200	200	400
EILR4	65-160/05*			420	140	39											
EILR4	65-160/07			500	155	44											
EILR4	65-160/11			520	175	47											
EILR4	65-160/15			500	155	130	50										
EILR4	65-200/07						49										
EILR4	65-200/11						520	175	130	52							
EILR4	65-200/15									55							
EILR4	65-200/22*			57													
EILR4	65-250/15			66													
EILR4	65-250/22*			140	245	235	480	345		180	530		195	135	68		
EILR4	65-250/30								76								
EILR4	65-250/40								82								
EILR4	80-160/07	80	80	150	220	220	440	285	150	550	155	140	130		51		
EILR4	80-160/11														570	175	54
EILR4	80-160/15													57			
EILR4	80-160/22*			59													
EILR4	80-200/15			550	195	135	59										
EILR4	80-200/22*						61										
EILR4	80-200/30						68										
EILR4	80-200/40			615	195		74										
EILR4	80-250/30						620	260	85								
EILR4	80-250/40					91											
EILR4	80-250/55*					107											
EILR4	80-250/75			109													
EILR4	100-160/11	100	100	155	250	250	500	315	170	580	175	150	130	63			
EILR4	100-160/15													66			
EILR4	100-160/22*													68			
EILR4	100-160/30			185	275	275	550	350	185	645	195			135	75		
EILR4	100-200/30														670	195	89
EILR4	100-200/40												96				
EILR4	100-200/55*									112							
EILR4	100-200/75			790	260	170	115										
EILR4	100-250/40						670	195	135	103							
EILR4	100-250/55*									119							
EILR4	100-250/75									795	260		170	121			
EILR4	100-250/110*			142													
EILR4	125-200/30	125	125	210	300	300	600	380				205		695	195	180	135
EILR4	125-200/40								109								
EILR4	125-200/55*								125								
EILR4	125-200/75			820	260	170	127										
EILR4	125-250/55*						685	195	135	143							
EILR4	125-250/75									820	260	170	145				
EILR4	125-250/110*			930	310								225	171			
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	175		130	35						
EILR2	40-125/22													38						
EILR2	40-125/30*													48						
EILR2	40-160/22			85	160	160	320	245	130	485	195		135	40						
EILR2	40-160/30*									50										
EILR2	40-160/40*									55										
EILR2	40-160/55*									59										
EILR2	40-200/30*			100	190	190	380	270	135	505	175		130	55						
EILR2	40-200/40*									580	195		135	60						
EILR2	40-200/55*													64						
EILR2	40-200/75*													65						
EILR2	40-250/75*			105	215	225	440	325	170	575	260		170	74						
EILR2	40-250/110*									700				106						
EILR2	40-250/150									820	310			225	133					
EILR2	40-250/185														153					
EILR2	50-125/15*	50	50	110	170	150	320	230	125	495	155	120	120	38						
EILR2	50-125/22									515	175		130	41						
EILR2	50-125/30*									585	195		135	51						
EILR2	50-125/40*												135	56						
EILR2	50-160/22			100	180	180	360	260	125	500	175		130	45						
EILR2	50-160/30*									565	195			135	54					
EILR2	50-160/40*												110		200	200	400	280	145	60
EILR2	50-160/55*									705	260			63						
EILR2	50-200/40*			820	310			62												
EILR2	50-200/55*				880	350			67											
EILR2	50-200/75*					125	215	225	440	325	165		70							
EILR2	50-200/110*			99																
EILR2	50-250/150			820	310								131							
EILR2	50-250/185				880								350			151				
EILR2	50-250/220*					240	226													
EILR2	50-250/300*															226				
EILR2	65-125/22	65	65	135	180	160	340	230	130	540	175	130	130	44						
EILR2	65-125/30*									605	195		135	54						
EILR2	65-125/40*									520	175		130	58						
EILR2	65-125/55*												130	62						
EILR2	65-160/30*			115	200	200	400	275	145	590	195		135	66						
EILR2	65-160/40*									630	260			68						
EILR2	65-160/55*										110			230	230	460	310	165	590	195
EILR2	65-160/75*									630			260						135	72
EILR2	65-160/110*			585	195	170	73													
EILR2	65-200/55*			710	260	170	104													
EILR2	65-200/75*			830											124					
EILR2	65-200/110*			140	245	235	480	345	180	840	310		225	137						
EILR2	65-200/150									900	350			157						
EILR2	65-250/150										900			350	178					
EILR2	65-250/185									240	235									
EILR2	65-250/220*															235				
EILR2	65-250/300*													235						
EILR2	80-160/40*	80	80	150	220	220	440	285	150	640	195	140	135	70						
EILR2	80-160/55*									700	260		170	74						
EILR2	80-160/75*										895			310	225	124				
EILR2	80-160/110*									740	260		170	111						
EILR2	80-160/150			140	250	250	500	315	170	855	310		225	134						
EILR2	80-200/110*									915	350			154						
EILR2	80-200/150										915			350	174					
EILR2	80-200/185									150	270		280	550	370	195	860	310	240	229
EILR2	80-200/220*			860	310		225	166												
EILR2	80-250/185				950	350		186												
EILR2	80-250/220*			1010	390			240	221											
EILR2	80-250/300*				1010	390			279											
EILR2	80-250/370					280	315													
EILR2	80-250/450*																			
EILR2	100-160/75*			100	100	155	250	250	500	315	170		650	195	150	135	87			
EILR2	100-160/110*												705	260		170	110			
EILR2	100-160/150	900	310									225	132							
EILR2	100-160/185		159																	
EILR2	100-200/150	185	275			275	550	350	185	905	350	240	160							
EILR2	100-200/185									965			390			170				
EILR2	100-200/220*												965	390		245				
EILR2	100-200/300*									1055	390	280	282							
EILR2	100-200/370	200	320			280	600	390	210	915	310	225	198							
EILR2	100-200/450*									975	350		240	253						
EILR2	100-250/220*									1060	390		280	291						
EILR2	100-250/300*																			
EILR2	100-250/450*												326							
EILR2	125-200/220*	125	125	210	300	300	600	380	205	940	310	160	225	205						
EILR2	125-200/300*									1050	350		240	260						
EILR2	125-200/370									1090	390		280	295						
EILR2	125-200/450*																		330	

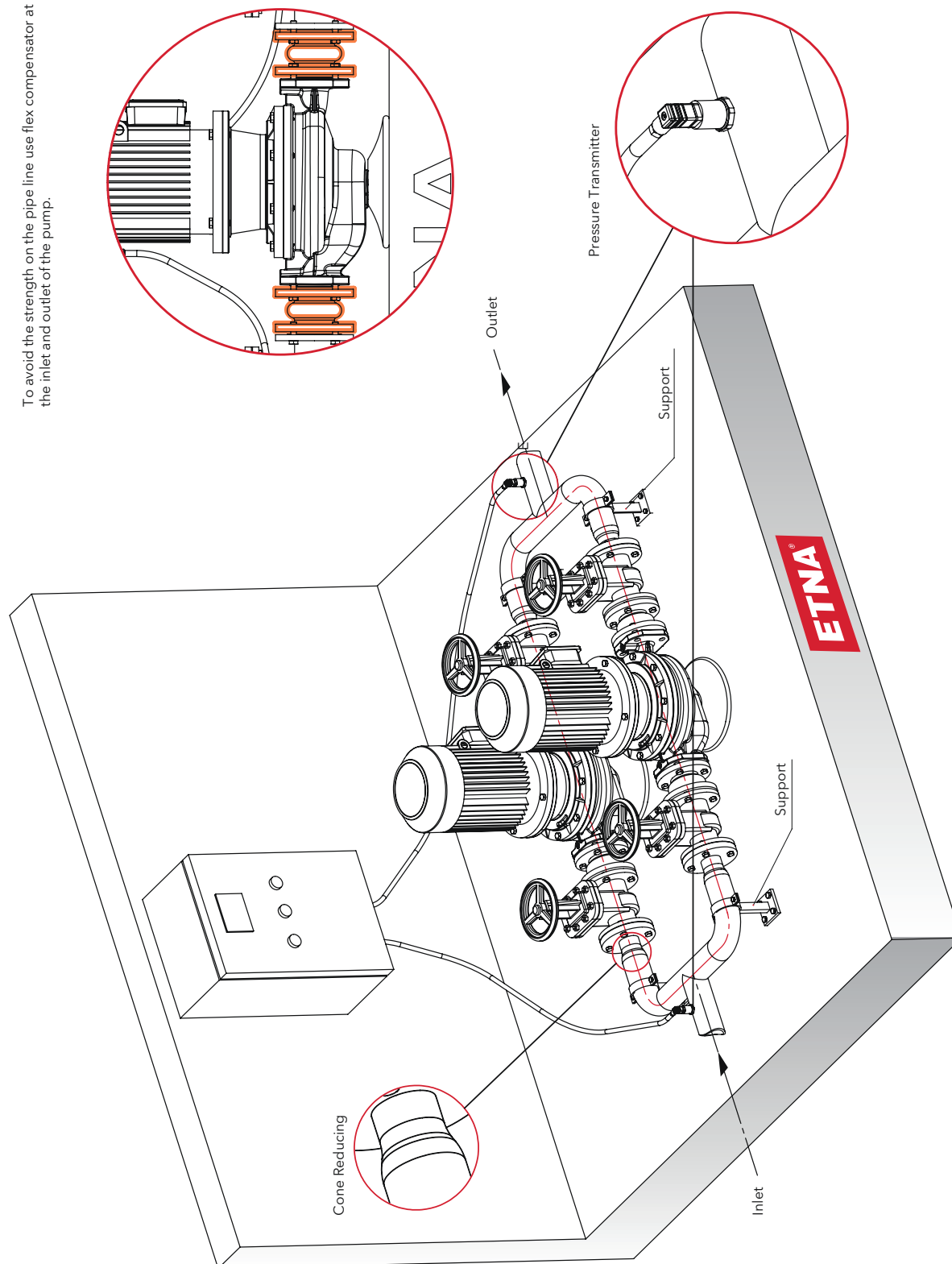
EILR SERIES DOUBLE PUMPS CONNECTION DETAIL

ETNA®



DOUBLE CIRCULATION PUMPS AND TRANSMITTER CONNECTION DETAIL

To avoid the strength on the pipe line use flex compensator at the inlet and outlet of the pump.



[illegible]



Lined area for notes, consisting of 20 horizontal lines.

[illegible]



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