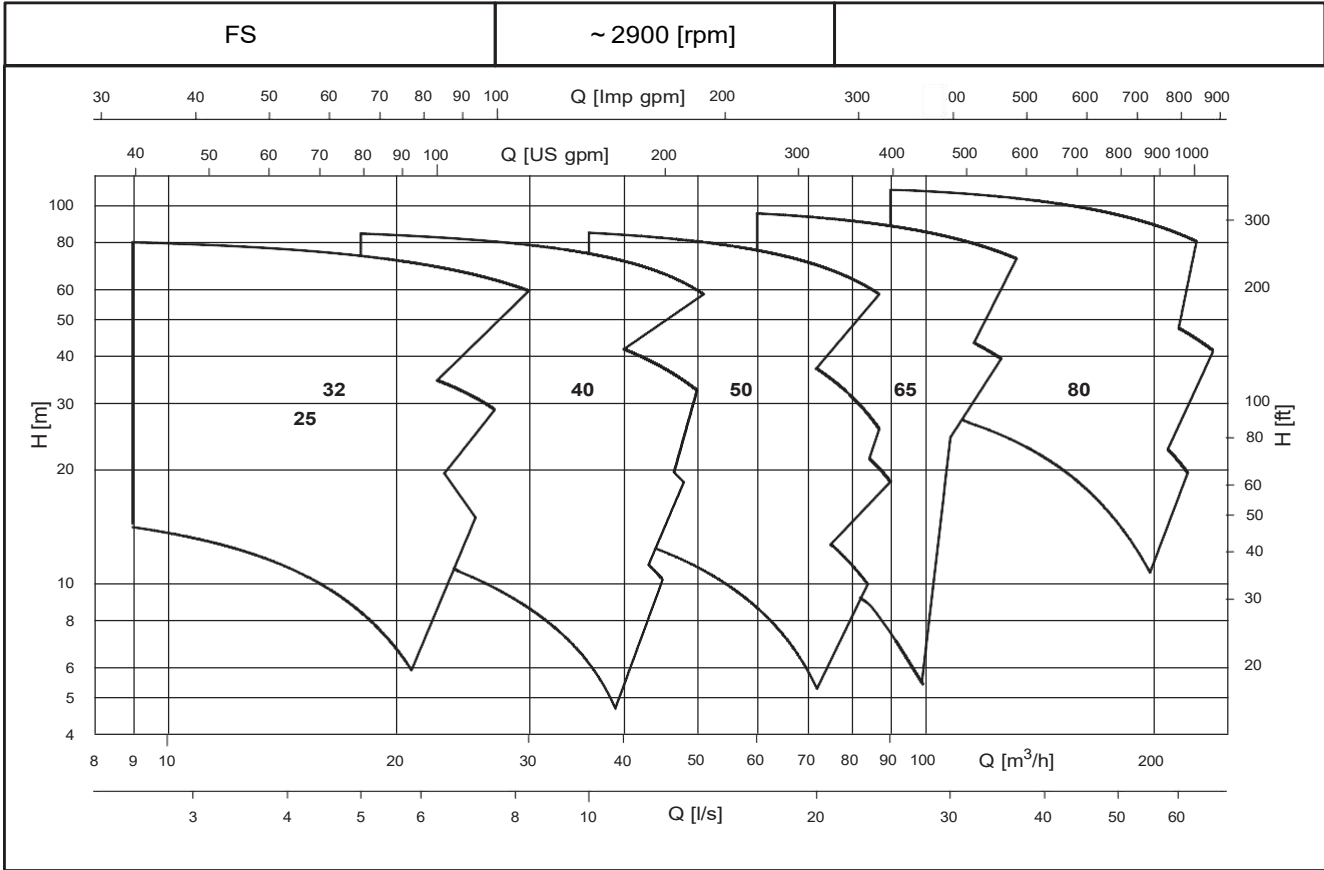


FS Series

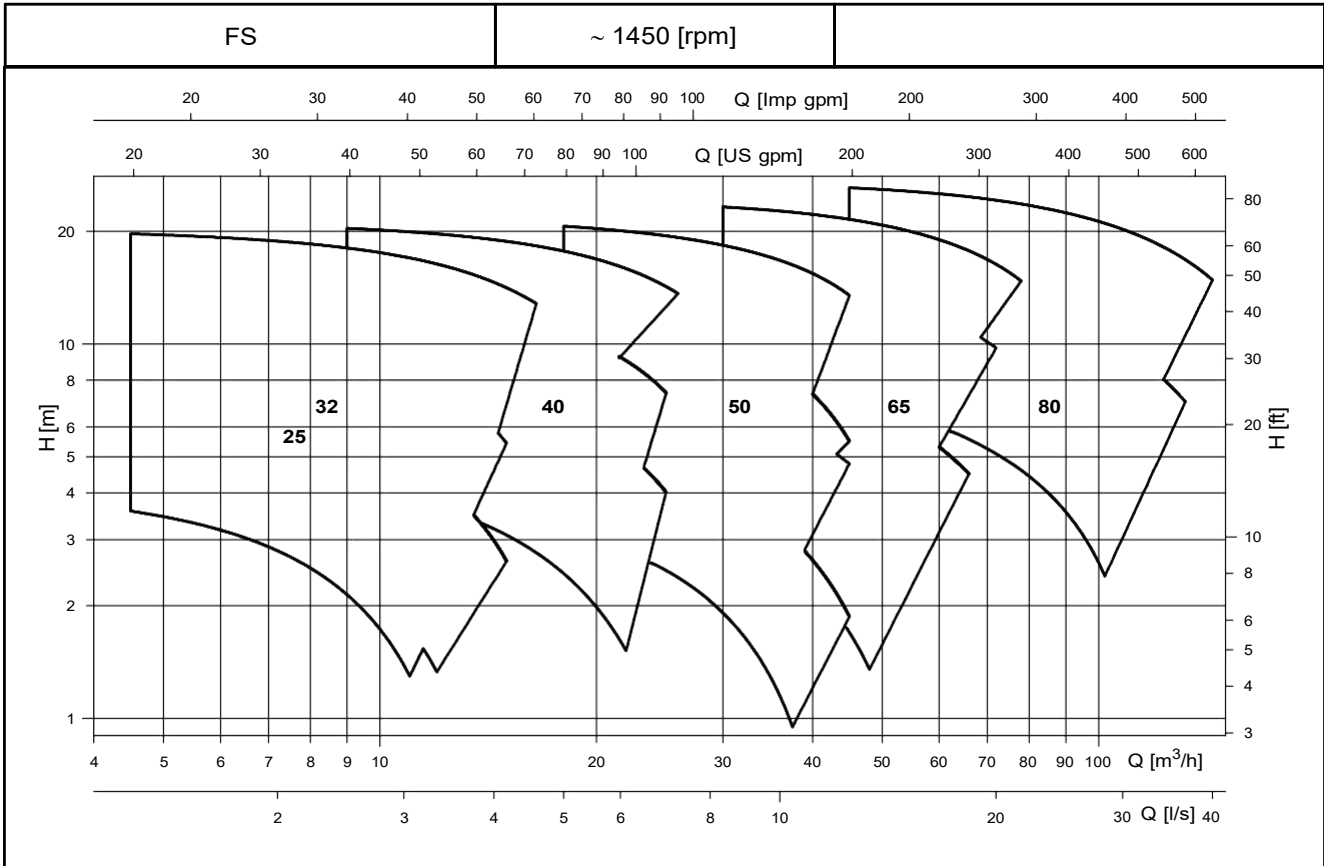
Horizontal centrifugal electric pump TEEL is manufactured using 304/316 stainless steel.



FS SERIES HYDRAULIC PERFORMANCE RANGE AT 50 Hz, 2 POLES



HYDRAULIC PERFORMANCE RANGE AT 50 Hz, 4 POLES



FS SERIES COMMERCIAL BUILDING SERVICES (CBS) APPLICATIONS & BENEFITS

Applications

The FLPSF series of products are applicable to a wide range of different application fields. These applications require reliable and efficient products, and they also need fixed or variable power consumption points for cost-saving operations.

The FLPSF series can be used for the following purposes.

applications:

- **HVAC**

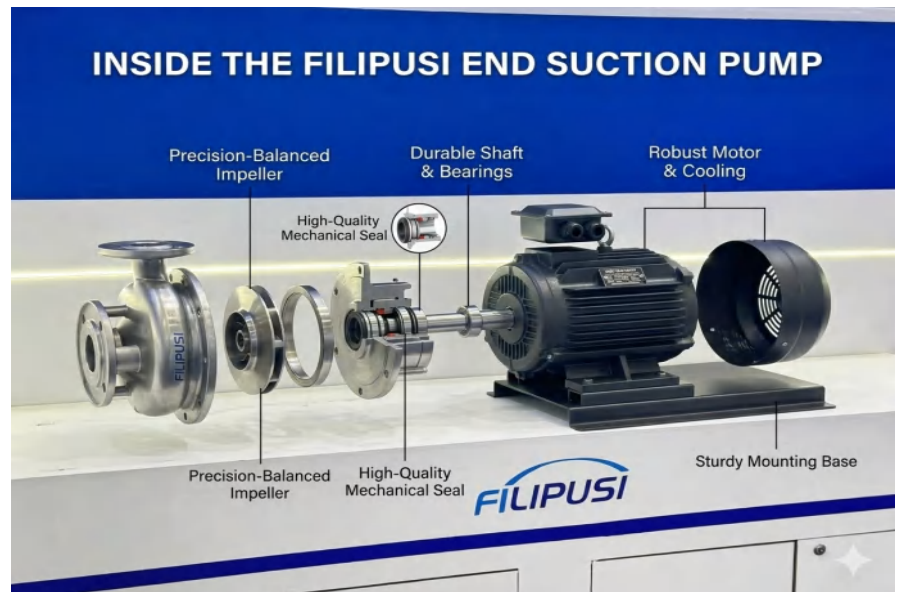
- Liquid transfer heating
- Air conditioning system.
- Liquid transfer invention system. - Gentle and gradual liquid transfer

- **Water Supply**

- Turbochargers in commercial buildings.
- Irrigation system.
- Water transfer in greenhouse.

- **Diverse OEM Applications Benefits**

The FLPSF series can achieve the following advantages.



- **Performances:** The FS type pump is equipped with an efficient motor. Its AISI316 material configuration makes it particularly suitable for pumping mild corrosive liquids or liquids in corrosive environments. The standard version is designed for pressure ratings up to PN12, a maximum liquid temperature of 120°C, and the use of FKM rubber seals, and is easy to maintain.

- **Reliability:** The high quality, sturdy structure and operational performance, the easily replaceable mechanical seals and wear-resistant rings in its production process ensure that the equipment can operate continuously and stably without the need for downtime for maintenance, and the maintenance time is extremely short.

- **Total cost ownership:** This drive unit boasts the highest hydraulic and electrical efficiency, which can reduce the operation and maintenance costs of the pump as well as save energy.

- **Pre-post sales support:**

We continue to maintain close contact with our customers and help them make the right choices. Pumps are used for specific applications. Improved user-friendly software options and added many choices, fully suitable for large-scale projects of municipal authorities.

- **Features**

- Discharge outlet DN25 to DN80.
- The performance range has been expanded to 110m head and 240m³/h flow rate.
- The nominal pressure is 12 bar.
- The temperature range of the pumped liquid is wider: -30 ° C to +120 ° C.
- The range of materials for different types of pumped liquids is wider.
- Wide voltage range.
- High performance motor.
- Changes in water velocity.

FSSERIES forINDUSTRY APPLICATIONS&BENEFITS

Applications

The FLPSF series is applicable to a wide range of different applications and can offer reliable and efficient products. The FS series, with its reliability, robustness and 304/316 material configuration, makes it highly suitable for use in harsh environments or for transporting slightly corrosive fluids. Moreover, the compact design and reliability of the FS series enable it to be applicable to various original equipment manufacturers (OEM) applications.

The FLPSF Series can be used for the following Industry applications:

- **Process**
 - Process cooling and Process heating
 - Heat recovery
- **Water Supply**
 - Pressure boosting
 - Irrigation systems
 - Water transfer for green houses
 - Liquid transfer with mildly aggressive liquids or environment.
- **Water treatment**
 - Washing and cleaning
 - Water treatment.
- **Diverse OEM applications**

Benefits

The FLPS FSSeries permit to achieve the following benefits:

- **Performance:** the FS pumps are ErP 2015 compliant, equipped with high efficiency motors and provide improved performance vs. the old SH series of pumps. Its AISI 316 material configuration makes it ideal for pumping mildly aggressive liquids or pumping in aggressive environment. With a standard version designed for up to PN12 pressure rating, 120 °C maximum fluid temperature, an FKM elastomer, and with easy maintenance, the FS provides the solution to many Industry needs.
- **Reliability:** the high quality in production, the robust construction and operation, the easily interchangeable mechanical seals, and wear rings guarantee a continuous operation without faults and a shorter down time for maintenance.
- **Know How:** the perfect configuration for an application can be made with the selection tool or with the support of our industrial experienced employees.
- **Pre-post sales support:** we are continuously working close to our customers to help them in selecting the right pump for the specific application. An improved user-friendly selection software improved with many selection tools is available on the website. Experienced engineers are fully dedicated to big projects for Municipality.

Features

- Discharge ports DN25 to DN80.
- Wide performance range up to 110 m head and 240 m³/h flow.
- Nominal pressure 12 bar.
- Wide range of temperatures for pumped liquids: -30°C to +120 °C.
- Wide range of materials for many different kinds of pumped liquid.
- Wide range of voltages.
- High performance motors.
- Variable speed by drive.



FS25,32,40,50SERIES
HYDRAULICPERFORMANCETABLEAT50Hz,2POLES

PUMP TYPE	P _N kW	Ø Impeller (mm)		Q = DELIVERY													
		○ ● (1)	η _p % (2)	l/s	0	1,9	2,5	3,1	3,6	4,2	4,7	5,3	6,1	6,7	7,2	7,8	8,3
				m ³ /h	0	7	9	11	13	15	17	19	22	24	26	28	30
H = TOTAL HEAD METRES COLUMN OF WATER																	
25-125/07*	0,75	114	○	59,7	16,1		14,1	13,1	12,0	10,7	9,2	7,6					
25-125/11*	1,1	128	●	63,8	20,7		19,0	18,1	17,1	16,0	14,6	13,2	10,7				
25-160/15*	1,5	141	○	55,9	24,4		23,0	22,0	20,7	19,2	17,4	15,4	12,1	9,7			
25-160/22	2,2	154	●	58,1	30,6		29,2	28,4	27,3	25,9	24,2	22,2	19,0	16,7			
25-200/30	3	178	○	55,0	38,8		35,7	34,5	33,2	31,6	29,7	27,6	24,0	21,4			
25-200/40	4	195	●	57,6	48,4		45,6	44,7	43,6	42,2	40,7	38,9	35,8	33,5	31,0		
25-250/55	5,5	203	○	50,3	53,0	51,5	50,7	49,8	48,7	47,4	45,8	44,1	41,0				
25-250/75	7,5	223,5	○	48,7	66,5		64,4	63,4	62,1	60,7	59,0	57,0	53,8	51,3	48,6		
25-250/110	11	244,5	●	49,0	82,4		79,7	78,6	77,4	75,9	74,3	72,5	69,4	67,2	64,8	62,2	59,4
32-125/07*	0,75	114	○	62,4	16,0		14,4	13,5	12,5	11,4	10,2	8,9	6,6				
32-125/11*	1,1	128	●	64,4	20,7		19,0	18,2	17,2	16,1	14,8	13,5	11,2	9,7			
32-160/15*	1,5	141	○	57,2	24,6		23,3	22,4	21,2	19,7	18,1	16,3	13,3	11,1			
32-160/22	2,2	154	●	60,7	30,8		29,7	28,9	27,9	26,6	25,1	23,5	20,8	18,8	16,7		
32-200/30	3	178	○	56,8	39,4		36,7	35,7	34,5	33,2	31,7	30,0	27,2	25,1			
32-200/40	4	195	●	56,4	49,0		45,8	44,7	43,3	41,8	40,1	38,2	35,1	32,7	30,1		
32-250/55	5,5	203	○	50,7	53,0	51,7	51,0	50,1	49,0	47,8	46,3	44,6	41,6				
32-250/75	7,5	223,5	○	50,4	66,5		64,8	63,9	62,8	61,5	60,0	58,2	55,1	52,8	50,1		
32-250/110	11	244,5	●	50,1	82,1		80,3	79,3	78,0	76,5	74,8	73,0	70,1	68,1	65,9	63,5	61,0

PUMP TYPE	P _N kW	Ø Impeller (mm)		Q = DELIVERY													
		○ ● (1)	η _p % (2)	l/s	0	3,9	4,7	5,8	6,7	7,5	8,6	9,4	10,6	11,4	12,2	13,3	14,2
				m ³ /h	0	14	17	21	24	27	31	34	38	41	44	48	51
H = TOTAL HEAD METRES COLUMN OF WATER																	
40-125/11*	1,1	112	○	67,9	15,7	14,1	13,3	12,0	10,9	9,8	8,2	7,0	5,2				
40-125/15*	1,5	125	○	71,7	19,9		17,4	16,2	15,2	14,0	12,4	11,2	9,4	8,0			
40-125/22	2,2	133	●	70,5	23,4			20,3	19,4	18,3	16,8	15,6	13,8	12,3	10,8		
40-160/30	3	152	○	64,0	30,9			27,7	26,4	24,9	22,7	20,9	18,6	16,8	15,0		
40-160/40	4	171	●	69,4	37,9			34,4	33,2	31,8	29,7	27,9	25,4	23,4	21,4	18,6	
40-200/55	5,5	190	○	65,0	49,1			45,2	43,8	42,2	39,7	37,6	34,5	31,9	29,1	25,0	
40-200/75	7,5	209	●	66,5	58,2			53,9	52,4	50,8	48,4	46,3	43,3	40,9	38,2	34,4	
40-250/92	9,2	218	○	59,0	64,9			60,9	59,6	58,1	55,6	53,3	49,5	45,9			
40-250/110A	11	218	○	59,0	64,9			60,9	59,6	58,1	55,6	53,3	49,5	45,9			
40-250/110	11	233	○	58,5	74,6			70,3	69,0	67,6	65,2	63,1	59,6	56,4	52,7		
40-250/150	15	251	●	58,0	87,7			82,9	81,6	80,1	77,8	75,9	72,9	70,2	67,2	62,4	58,2

PUMP TYPE	P _N kW	Ø Impeller (mm)		Q = DELIVERY													
		○ ● (1)	η _p % (2)	l/s	0	7,8	9,2	10,8	12,2	13,9	15,6	17,2	18,6	20,3	21,9	23,3	25,0
				m ³ /h	0	28	33	39	44	50	56	62	67	73	79	84	90
H = TOTAL HEAD METRES COLUMN OF WATER																	
50-125/22	2,2	114	○	73,1	17,5	15,5	14,7	13,6	12,5	11,2	9,7	8,1	6,7				
50-125/30	3	123	○	74,1	20,6		18,5	17,4	16,3	14,9	13,4	11,7	10,3	8,6			
50-125/40	4	131	●	75,1	24,8			22,1	21,0	19,7	18,2	16,6	15,2	13,5	11,7	10,2	
50-160/55	5,5	158	○	71,7	33,8			30,5	29,3	27,7	25,9	24,0	22,3	20,2	18,0	16,1	
50-160/75	7,5	174	●	74,0	40,7			36,8	35,6	34,1	32,4	30,6	28,8	26,5	24,0	21,7	18,6
50-200/92	9,2	197	○	70,0	52,9			46,4	44,6	42,0	39,1	35,9	32,9	29,0	24,6	20,8	
50-200/110A	11	197	○	70,0	52,9			46,4	44,6	42,0	39,1	35,9	32,9	29,0	24,6	20,8	
50-200/110	11	209	●	72,0	59,7			53,5	51,7	49,3	46,4	43,2	40,2	36,3	32,0	28,1	
50-250/150	15	224	○	69,5	70,2			65,9	64,6	62,7	60,3	57,3	54,3	50,0			
50-250/185	18,5	237	○	68,4	79,9			74,1	72,7	70,6	68,2	65,4	62,7	58,9	54,4		
50-250/220	22	250	●	67,3	88,9			83,7	82,2	80,2	77,8	75,0	72,4	68,8	64,7	60,7	

FS65,80SERIES HYDRAULICPERFORMANCETABLEAT50Hz,2POLES

PUMP TYPE	P _N kW	O Impeller (mm)			Q DELIVERY												
			(1)	η _p % (2)	I/s	8 1	10 6	13 3	15 8	18 3	21 1	23 6	26 4	28 9	31 4	34 2	36 7
					m ³ /h	0	29	38	48	57	66	76	85	95	104	113	123
H TOTAL HEAD METRES COLUMN OF WATER																	
65-160/40	4	127	○	71 0	19 1	18 7	17 8	16 5	14 9	13 0	10 9	8 6	6 4				
65-160/55	5 5	140	○	75 1	24 6		23 4	22 2	20 8	19 1	17 2	15 1	12 7	10 1	7 4		
65-160/75	7 5	154	○	74 7	30 7			28 4	26 7	24 9	22 9	20 8	18 5	16 0	13 2		
65-160/92	9 2	164	○	77 6	35 7			33 8	32 5	30 9	28 9	26 5	23 8	20 8	17 5		
65-160/110A	11	164	○	77 6	35 7			33 8	32 5	30 9	28 9	26 5	23 8	20 8	17 5		
65-160/110	11	176	●	76 0	41 6				38 5	36 8	34 6	32 1	29 4	26 6			
65-200/150	15	192	○	70 0	53 6			50 0	48 1	45 9	43 2	40 3	37 0	33 4	29 7		
65-200/185	18 5	203	○	71 5	60 7				55 8	53 7	51 2	48 4	45 2	41 8	38 2		
65-200/220	22	210	●	71 5	63 9				60 4	58 6	56 4	53 9	51 0	47 8	44 3	40 7	
65-250/300	30	240	○	74 5	83 7				80 7	78 8	76 5	73 8	70 7	67 0	62 9		
65-250/370	37	255	●	73 5	96 5				93 8	91 8	89 4	86 7	83 6	80 1	76 3	72 2	

PUMP TYPE	P _N kW	O Impeller (mm)			Q DELIVERY												
			(1)	η _p % (2)	I/s	20 0	24 2	28 6	32 8	36 9	41 1	45 6	49 7	53 9	58 1	62 5	66 7
					m ³ /h	0	72	87	103	118	133	148	164	179	194	209	225
H TOTAL HEAD METRES COLUMN OF WATER																	
80-160/110	11	169x15	○	75 0	34 0	31 7	30 3	28 4	26 2	23 6	20 7	17 7	14 6	11 6			
80-160/150	15	177	○	76 5	40 8	38 6	37 2	35 4	33 3	30 7	27 9	24 9	21 7	18 4	15 3		
80-160/185	18 5	186	●	78 0	47 8	45 4	44 1	42 4	40 3	38 0	35 3	32 4	29 3	26 0	22 6		
80-200/220	22	198	○	80 5	53 5	51 2	49 9	48 2	46 2	43 9	41 3	38 4	35 3	32 0	28 7		
80-200/300	30	215	○	81 0	64 0	62 4	61 2	59 7	57 7	55 4	52 7	49 7	46 5	43 0	39 5	36 1	
80-200/370	37	226	●	81 5	71 7	70 5	69 5	68 2	66 5	64 3	61 8	59 0	55 8	52 4	48 8	45 1	41 5
80-250/450	45	237	○	79 5	83 9			78 8	76 5	73 8	70 6	66 9	62 9	58 5	53 8		
80-250/550	55	252	○	80 0	95 9			91 8	89 7	87 2	84 2	80 8	76 9	72 8	68 5		
80-250/750	75	270	●	78 0	112 2			108 4	106 5	104 1	101 2	98 0	94 3	90 2	85 9	81 4	

FS25,32,40,50SERIES
HYDRAULICPERFORMANCERANGEAT50Hz,4POLES

PUMP TYPE	P _N kW	O Impeller (mm)			Q DELIVERY											
		Ø	mp%	I/s	0 8	1 4	1 7	1 9	2 2	2 5	3 1	3 3	3 6	3 9	4 2	4 4
				m ³ /h	33	55	66	77	88	99	11	12	13	14	15	16
H TOTAL HEAD METRES COLUMN OF WATER																
25-125/02A	0 25	114	○	56 1	4 0		3 5	3 2	2 9	2 5	2 1	1 3				
25-125/02	0 25	128	●	60 7	5 2		4 6	4 3	4 0	3 7	3 3	2 6				
25-160/02A	0 25	141	○	53 8	5 9		5 4	5 1	4 8	4 4	3 9	2 8	2 2			
25-160/02	0 25	154	●	56 6	7 4		6 9	6 7	6 4	6 0	5 6	4 5	3 9	3 3		
25-200/03	0 37	178 0	○	52 3	9 4		8 1	7 8	7 3	6 9	6 3	5 1	4 5	3 7		
25-200/05	0 55	195	●	54 5	12 0		10 8	10 5	10 1	9 7	9 2	8 2	7 5	6 9	6 2	
25-250/07	0 75	203	○	46 6	13 0		12 2	11 9	11 6	11 2	10 7	9 7	9 1	8 4	7 7	6 9
25-250/11	1 1	223 5	○	46 6	16 4		15 8	15 5	15 1	14 6	14 1	12 9	12 3	11 6	10 8	10 1 9 3
25-250/15	1 5	244 5	●	46 7	20 4		19 5	19 2	18 9	18 5	18 0	17 0	16 3	15 7	14 9	14 1 13 3
32-125/02A	0 25	114	○	58 5	4 1		3 5	3 3	3 1	2 8	2 4	1 7	1 3			
32-125/02	0 25	128	●	63 3	5 2		4 6	4 4	4 1	3 8	3 5	2 8	2 4	2 0		
32-160/02A	0 25	141	○	55 2	6 0		5 5	5 2	4 9	4 5	4 1	3 2	2 6			
32-160/02	0 25	154	●	57 9	7 5		7 0	6 7	6 4	6 1	5 7	4 8	4 3	3 8	3 2	2 6
32-200/03	0 37	178	○	53 7	9 4		8 2	7 9	7 5	7 1	6 6	5 5	4 9	4 3		
32-200/05	0 55	195	●	53 9	12 0		10 8	10 5	10 1	9 6	9 1	8 0	7 4	6 8	6 1	5 3
32-250/07	0 75	203	○	47 7	13 1		12 3	12 0	11 7	11 3	10 9	9 9	9 3	8 7	8 0	7 3
32-250/11	1 1	223 5	○	47 7	16 4		15 9	15 6	15 3	14 8	14 4	13 2	12 6	11 9	11 2	10 4 9 6
32-250/15	1 5	244 5	●	48 2	20 4		19 6	19 3	19 0	18 6	18 2	17 3	16 7	16 1	15 4	14 7 13 9

PUMP TYPE	P _N kW	O Impeller (mm)			Q DELIVERY											
		Ø	mp%	I/s	2 2	2 8	3 1	3 6	4 2	4 4	5 0	5 3	5 8	6 4	6 7	6 9
				m ³ /h	888	10	11	13	15	16	18	19	21	23	24	25
H TOTAL HEAD METRES COLUMN OF WATER																
40-125/02A	0 25	125	○	69 2	4 9	4 3	4 0	3 8	3 5	3 1	2 9	2 4	2 2	1 7		
40-125/02	0 25	133	●	68 1	5 7		4 9	4 7	4 4	4 0	3 8	3 4	3 2	2 7	2 2	1 9
40-160/03	0 37	152	○	61 4	7 4	6 6	6 2	6 0	5 5	5 0	4 7	4 1	3 8	3 2	2 5	2 2
40-160/05	0 55	171	●	66 5	9 2		8 3	8 1	7 7	7 2	7 0	6 4	6 1	5 5	4 8	4 4 4 0
40-200/07	0 75	190	○	64 3	11 9		11 0	10 8	10 3	9 7	9 3	8 6	8 2	7 3	6 3	5 8
40-200/11	1 1	209	●	62 9	14 2		13 1	12 9	12 4	11 8	11 5	10 8	10 4	9 5	8 5	8 0 7 4
40-250/11	1 1	218	○	55 8	15 6		14 4	14 2	13 7	13 0	12 7	11 9	11 4	10 3		
40-250/15	1 5	233	○	57 0	18 1		16 8	16 6	16 1	15 5	15 2	14 4	14 0	13 1	12 0	11 4
40-250/22	2 2	251	●	58 1	21 5		20 1	19 9	19 4	18 8	18 4	17 7	17 3	16 4	15 4	14 8 14 2

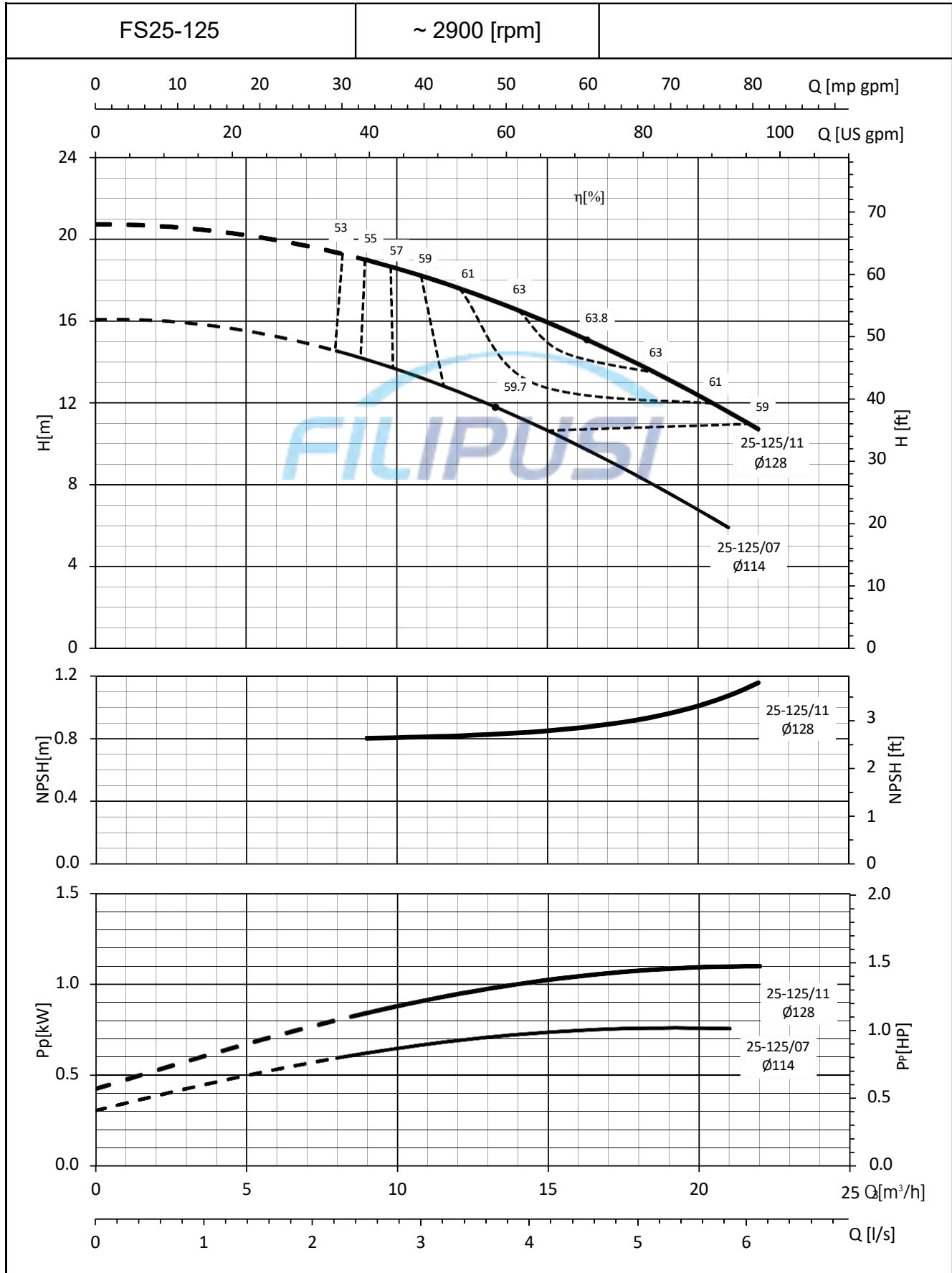
PUMP TYPE	P _N kW	O Impeller (mm)			Q DELIVERY											
		Ø	mp%	I/s	4 2	5 0	5 6	6 4	7 2	8 1	8 6	9 4	10 3	11 1	11 7	12 5
				m ³ /h	15	18	20	23	26	29	31	34	37	40	42	45
H TOTAL HEAD METRES COLUMN OF WATER																
50-125/02	0 25	114	○	70 9	4 2	3 6	3 3	3 1	2 7	2 4	2 0	1 7	1 3	0 9		
50-125/03	0 37	123	○	72 5	4 9		4 2	4 0	3 6	3 2	2 8	2 6	2 1	1 7	1 2	
50-125/05	0 55	131	●	72 2	6 0		5 3	5 1	4 8	4 4	4 0	3 7	3 3	2 9	2 5	2 2 1 7
50-160/07	0 75	158	○	71 3	8 2		7 3	7 1	6 8	6 4	6 0	5 7	5 3	4 8	4 2	3 8
50-160/11	1 1	174	●	73 0	9 8		8 8	8 6	8 3	7 9	7 6	7 3	6 9	6 4	5 8	5 4 4 8
50-200/11	1 1	197	○	69 1	12 8		11 2	10 8	10 2	9 6	8 8	8 3	7 4	6 5	5 5	4 8
50-200/15	1 5	209	●	70 1	14 7		13 0	12 7	12 1	11 4	10 6	10 1	9 3	8 3	7 3	6 6 5 5
50-250/22A	2 2	224	○	70 0	17 4		16 0	15 7	15 2	14 6	14 0	13 5	12 7	11 7	10 6	9 7
50/250/22	2 2	237	○	69 0	19 4		17 8	17 5	17 0	16 4	15 7	15 2	14 4	13 5	12 4	11 6
50-250/30	3	250	●	67 9	21 9		20 6	20 3	19 8	19 2	18 6	18 1	17 3	16 4	15 4	14 7 13 5

FS65,80SERIES HYDRAULICPERFORMANCERANGEAT50Hz,4POLES

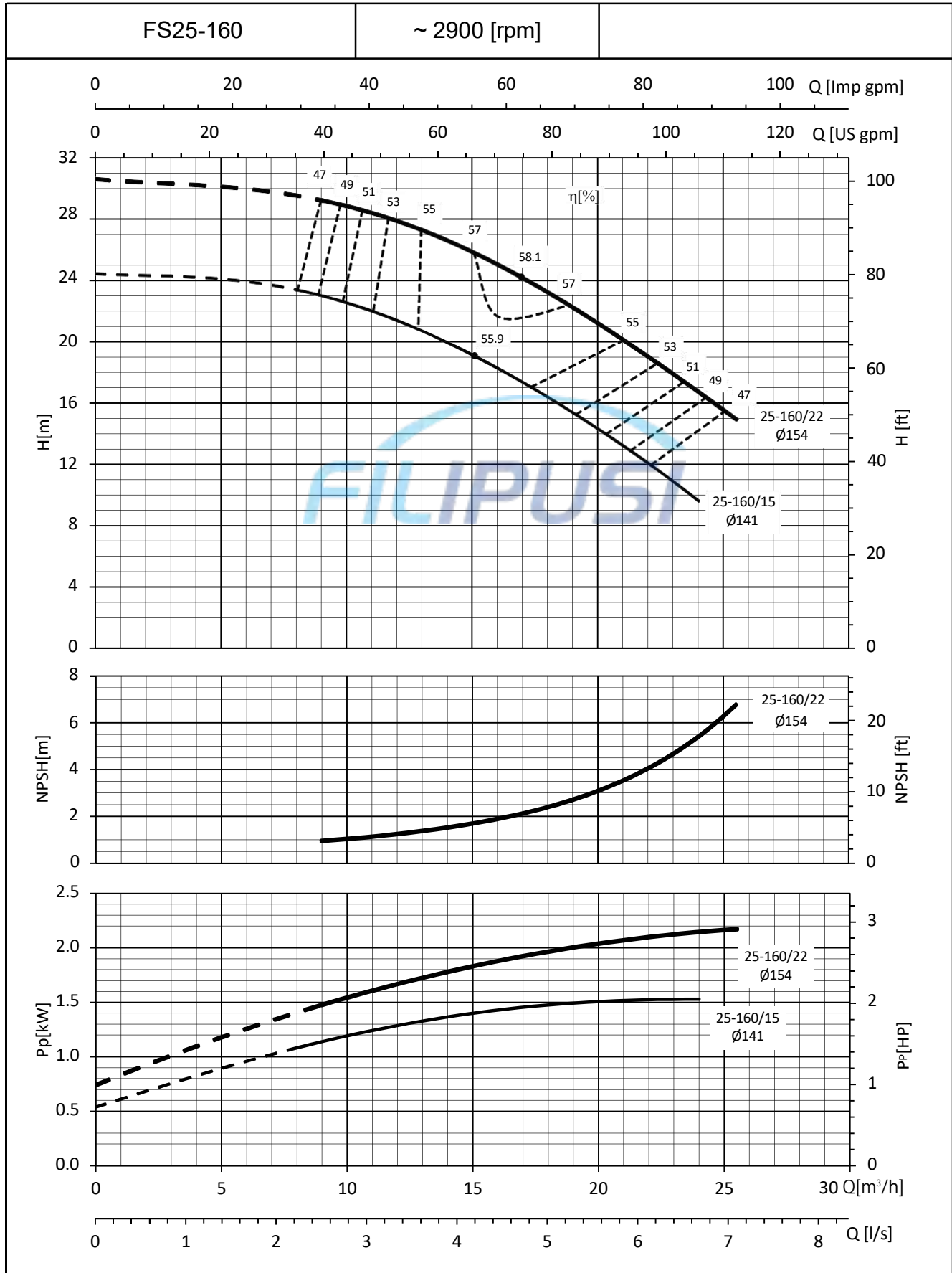
PUMP TYPE	P _N kW	O Impeller (mm)			Q DELIVERY												
		Ø	mm%	I/s	4 2	5 6	7 2	8 9	10 6	11 9	13 6	15 3	16 9	18 3	20 0	21 7	
				m ³ /h	15	20	26	32	38	43	49	55	61	66	72	78	
H TOTAL HEAD METRES COLUMN OF WATER																	
65-160/05	0 55	127	○	69 1	4 7	3 7	3 2	2 7	2 2	1 6							
65-160/07	0 75	140	○	72 8	6 1	5 2	4 8	4 3	3 8	3 3	2 7						
65-160/11A	1 1	154	○	74 7	7 7	6 8	6 4	5 9	5 4	4 8	4 2	3 5	2 8				
65-160/11	1 1	164	○	73 9	8 7	7 8	7 4	6 9	6 4	5 9	5 3	4 7	4 0				
65-160/15	1 5	176	●	73 2	10 2	9 5	9 1	8 6	8 0	7 3	6 7	6 0	5 4	4 8			
65-200/15	1 5	187	○	67 4	12 1	10 6	10 0	9 3	8 6	7 8	7 0	6 1	5 2				
65-200/22	2 2	203	○	68 9	14 6	13 2	12 6	12 0	11 3	10 5	9 7	8 8	7 9	7 0			
65-200/30	3	219	●	70 8	17 5	16 3	15 9	15 3	14 8	14 1	13 4	12 6	11 7	10 8	9 8		
65-250/40	4	240	○	71 9	20 4		19 3	18 8	18 3	17 6	16 9	16 1	15 2	14 2	13 0		
65-250/55	5 5	255	●	71 0	23 7		23 1	22 6	22 0	21 4	20 7	19 9	19 1	18 1	17 1	16 0	14 7

PUMP TYPE	P _N kW	O Impeller (mm)			Q DELIVERY												
		Ø	mm%	I/s	10 0	12 8	15 6	18 1	20 8	23 6	26 4	29 2	31 9	34 4	37 2	40 0	
				m ³ /h	36	46	56	65	75	85	95	105	115	124	134	144	
H TOTAL HEAD METRES COLUMN OF WATER																	
80-160/15	1 5	169x15	○	75 2	8 0	7 6	7 0	6 3	5 6	4 8	4 0	3 1					
80-160/22A	2 2	177	○	74 2	9 4	9 0	8 5	7 8	7 1	6 3	5 4	4 5	3 5				
80-160/22	2 2	186	●	73 4	10 8	10 4	9 9	9 2	8 5	7 7	6 8	5 9	4 9				
80-200/30	3	198	○	80 5	12 3		11 9	11 2	10 4	9 5	8 5	7 5	6 4	5 3			
80-200/40	4	220	●	78 3	15 4		15 3	14 7	13 9	13 0	12 1	11 1	10 1	9 0	7 9		
80-250/55	5 5	237	○	77 5	20 3		19 5	18 8	17 9	16 9	15 8	14 4	12 9	11 2	9 3		
80-250/75	7 5	252	○	76 7	23 1		22 2	21 6	20 8	19 9	19 0	17 8	16 6	15 2	13 6		
80-250/110	11	270	●	74 3	26 6		26 1	25 5	24 7	23 9	22 9	21 8	20 6	19 3	17 9	16 4	14 8

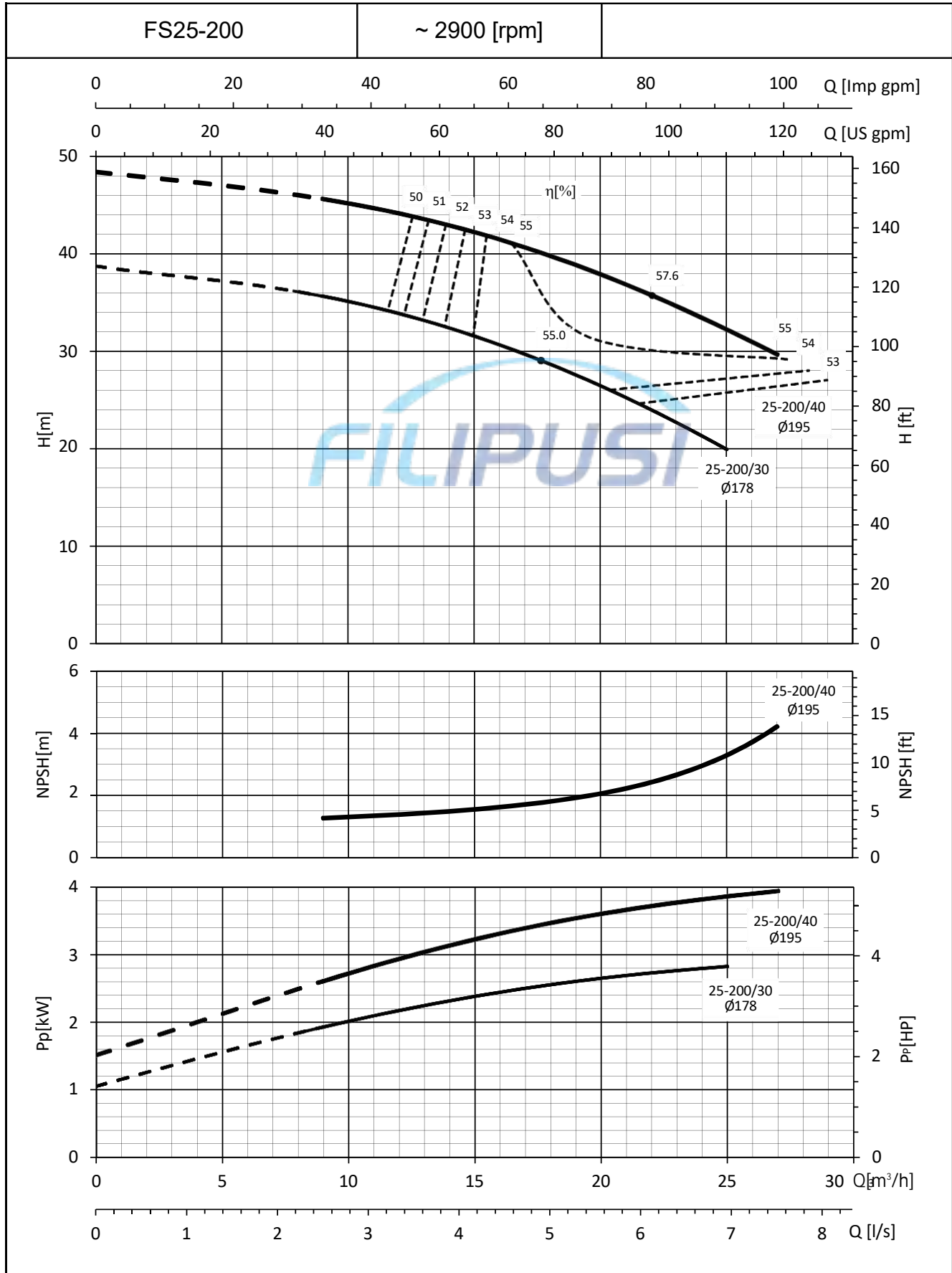
FSSERIES
OPERATING CHARACTERISTICS AT 50Hz, 2POLES



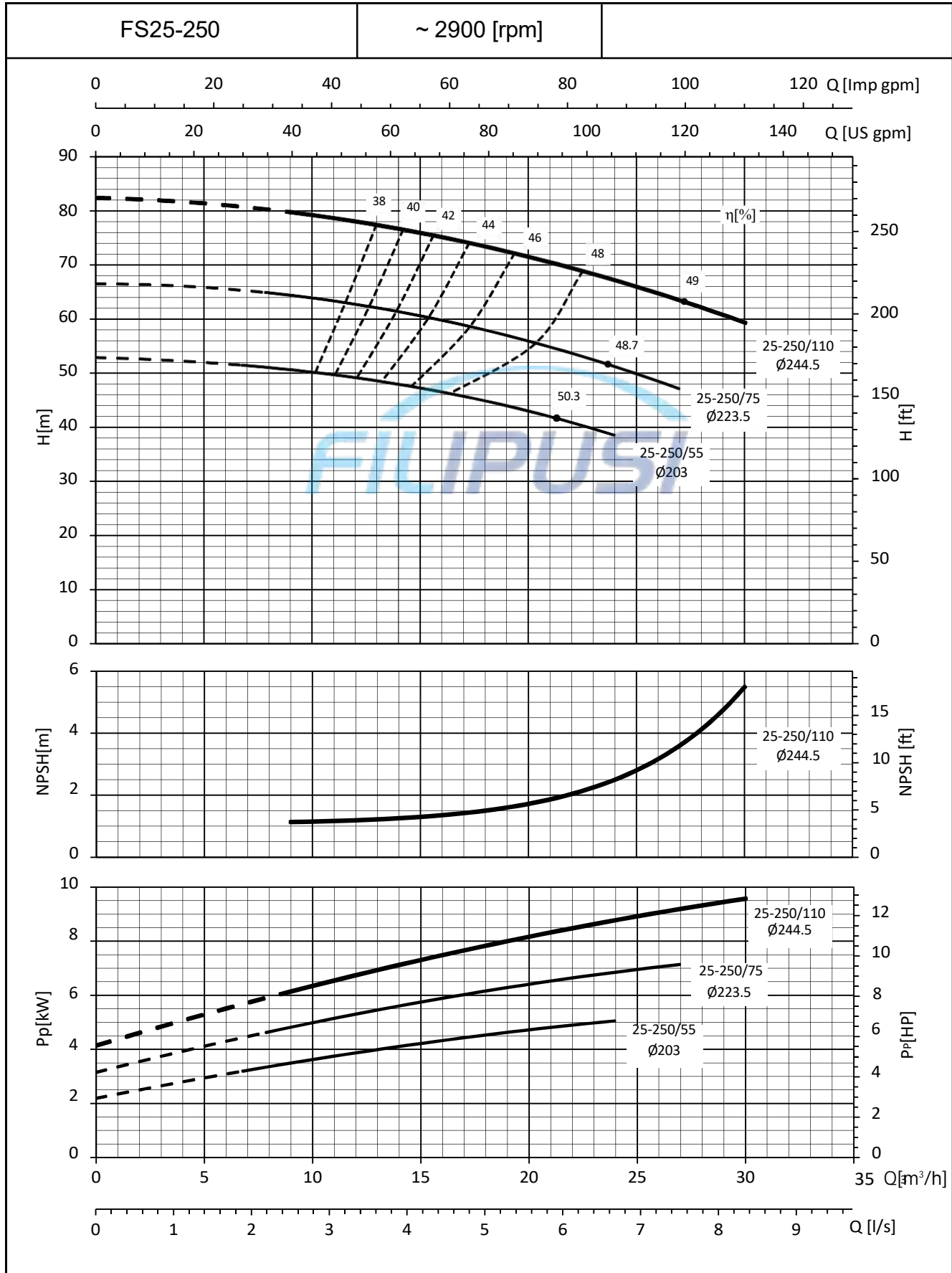
FS SERIES
OPERATING CHARACTERISTICS AT 50Hz, 2 POLES



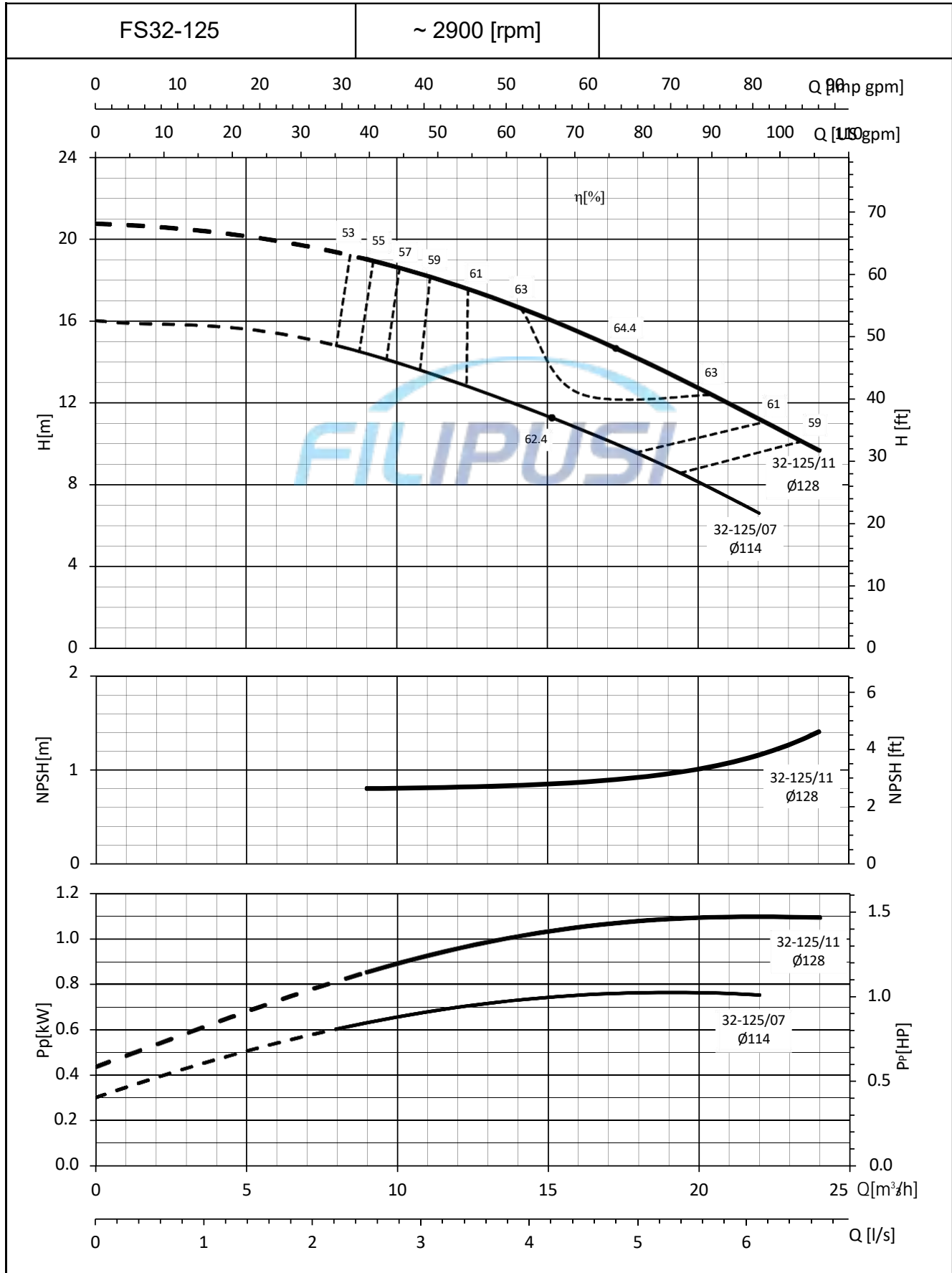
FS SERIES
OPERATING CHARACTERISTICS AT 50Hz, 2 POLES



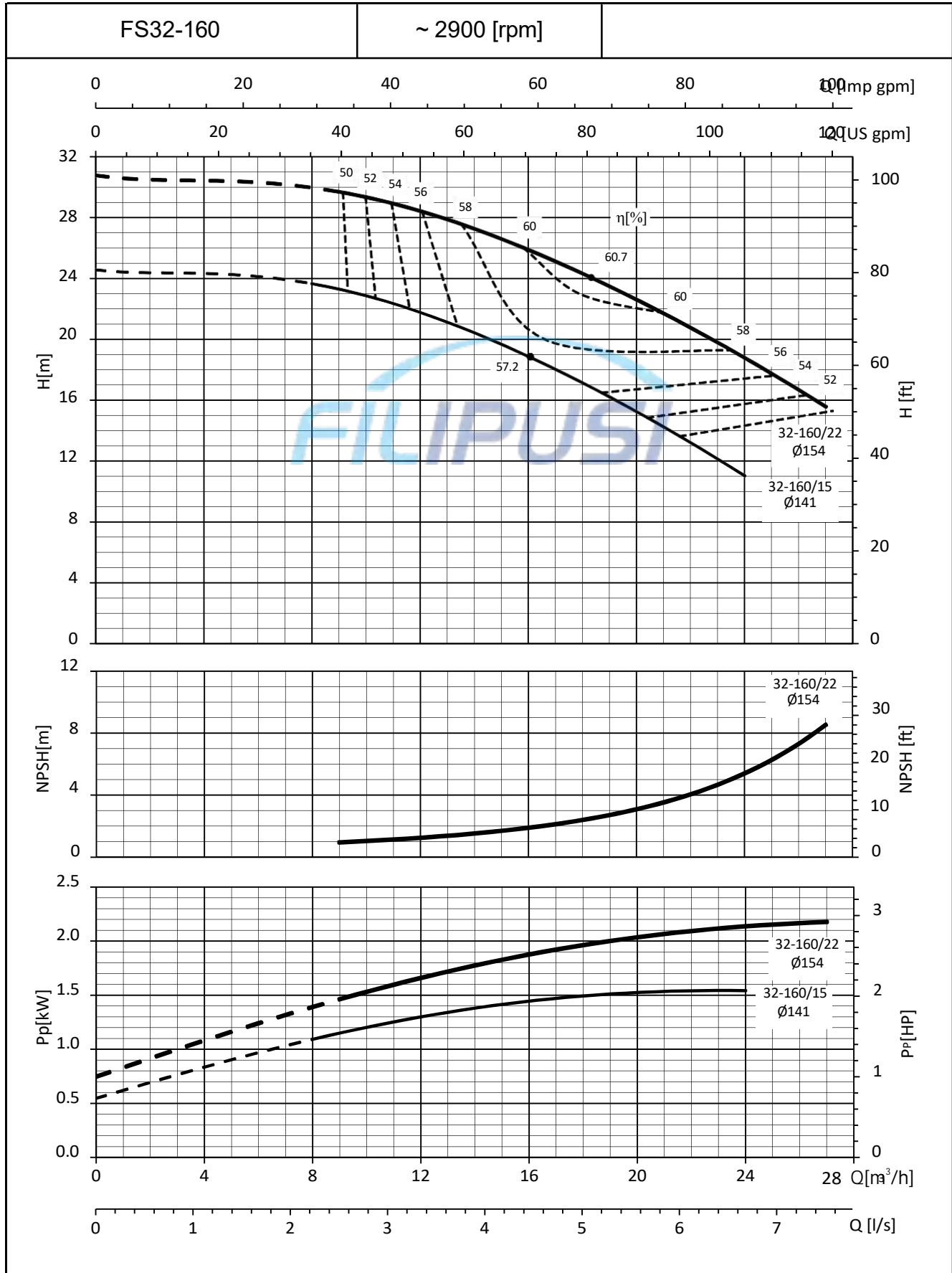
FS SERIES OPERATING CHARACTERISTICS AT 50Hz, 2 POLES



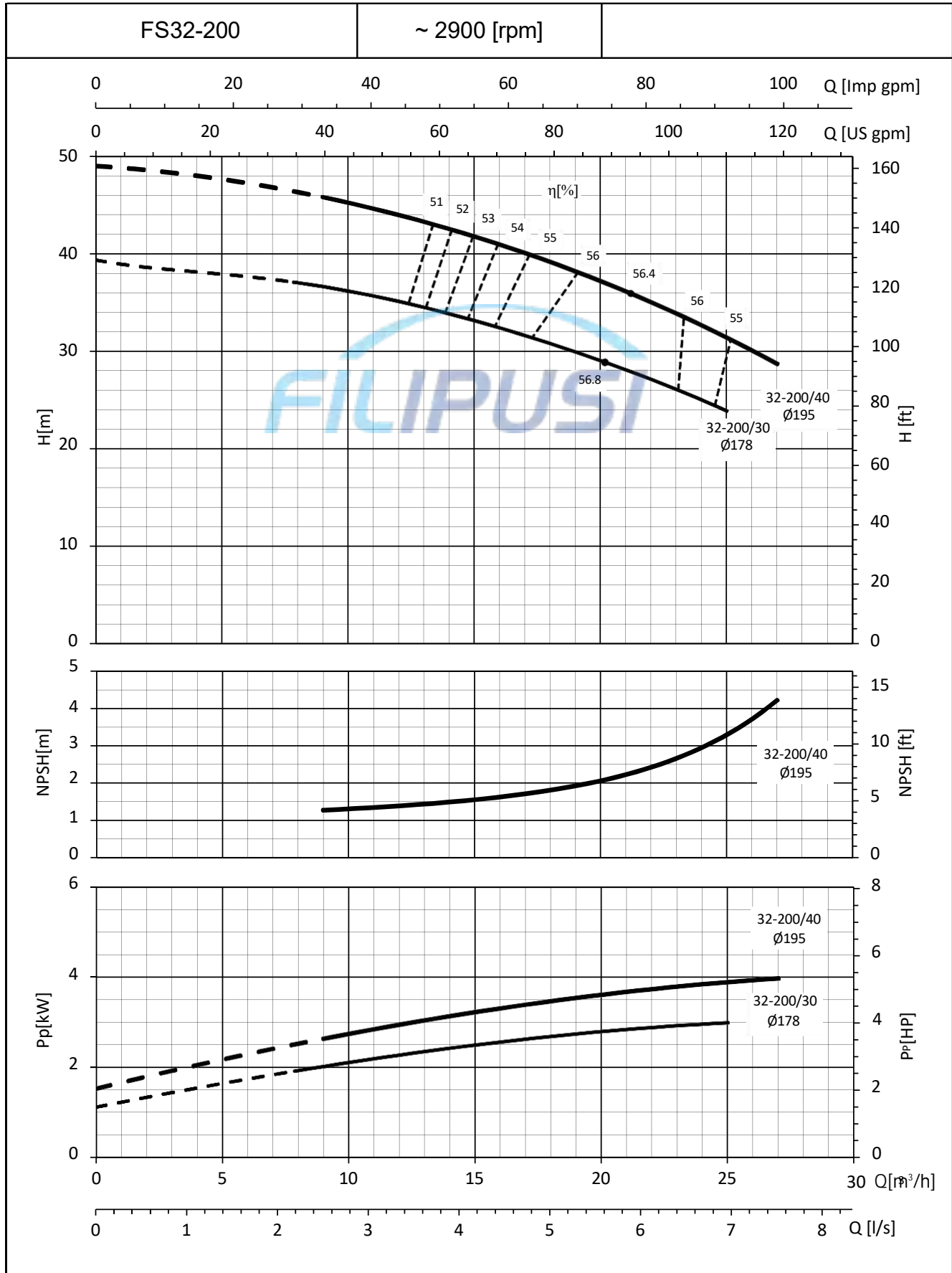
FS SERIES
OPERATING CHARACTERISTICS AT 50Hz, 2 POLES



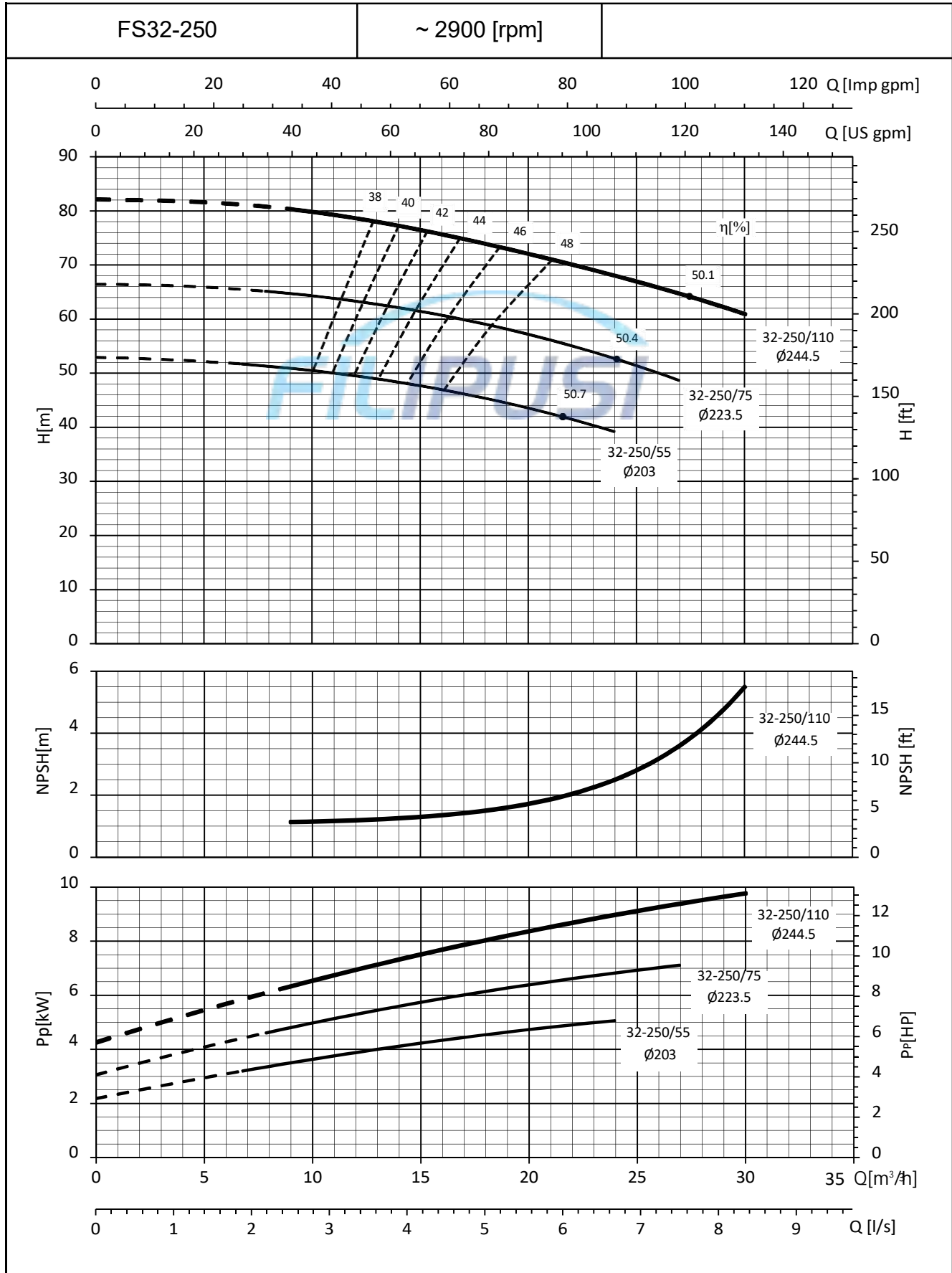
FS SERIES OPERATING CHARACTERISTICS AT 50Hz, 2 POLES



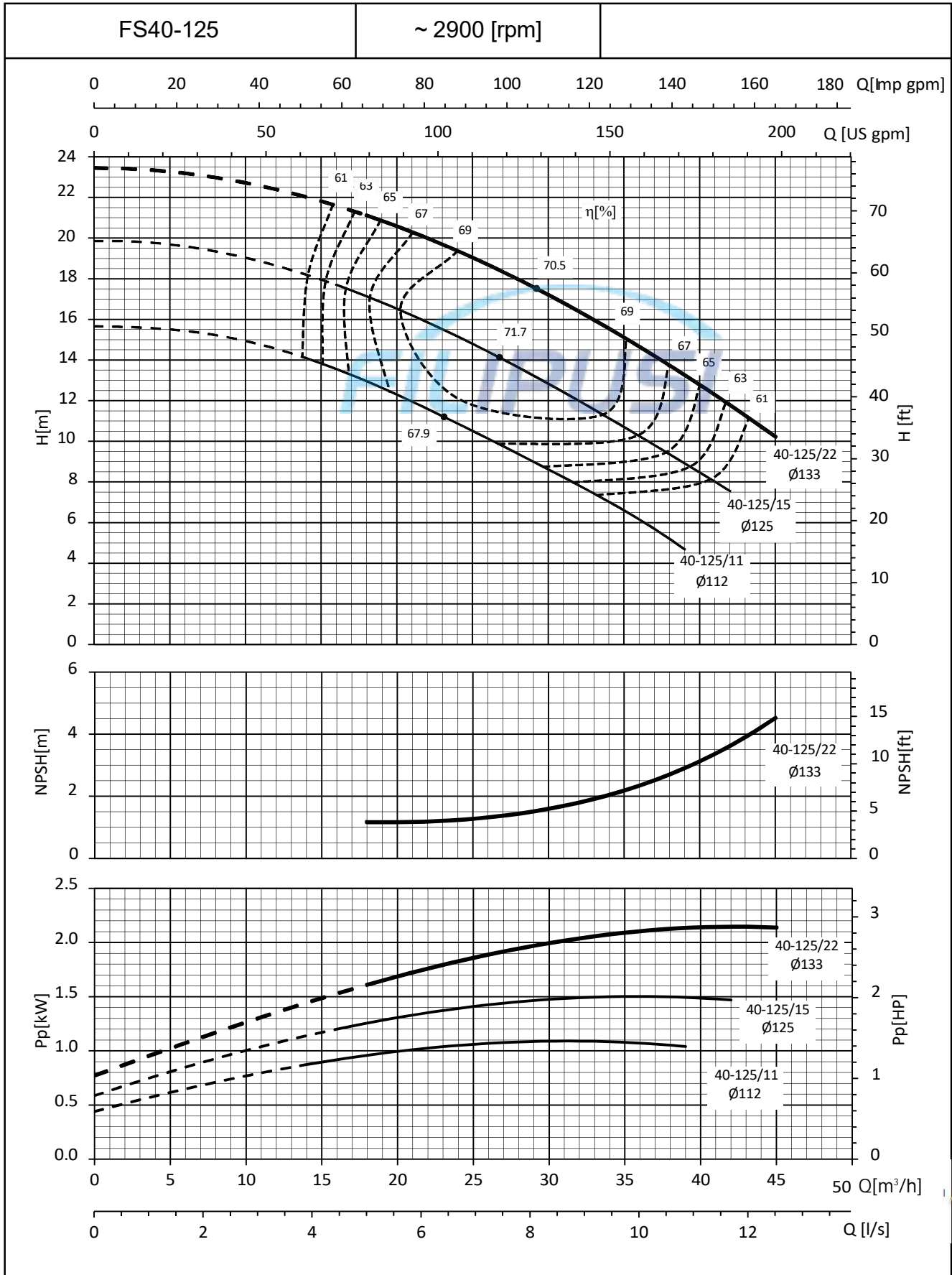
FS SERIES
OPERATING CHARACTERISTICS AT 50Hz, 2 POLES



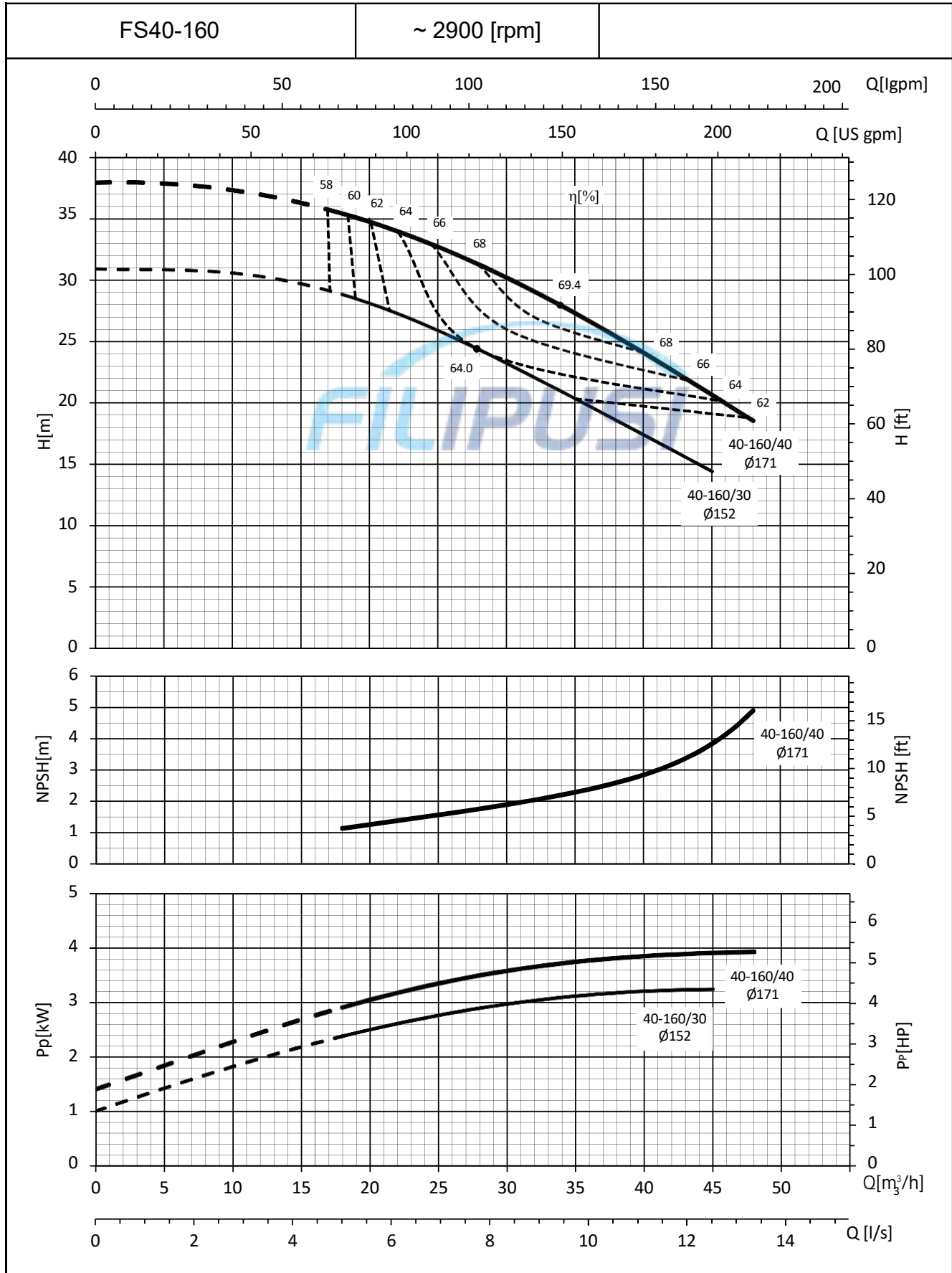
FS SERIES
OPERATING CHARACTERISTICS AT 50Hz, 2 POLES



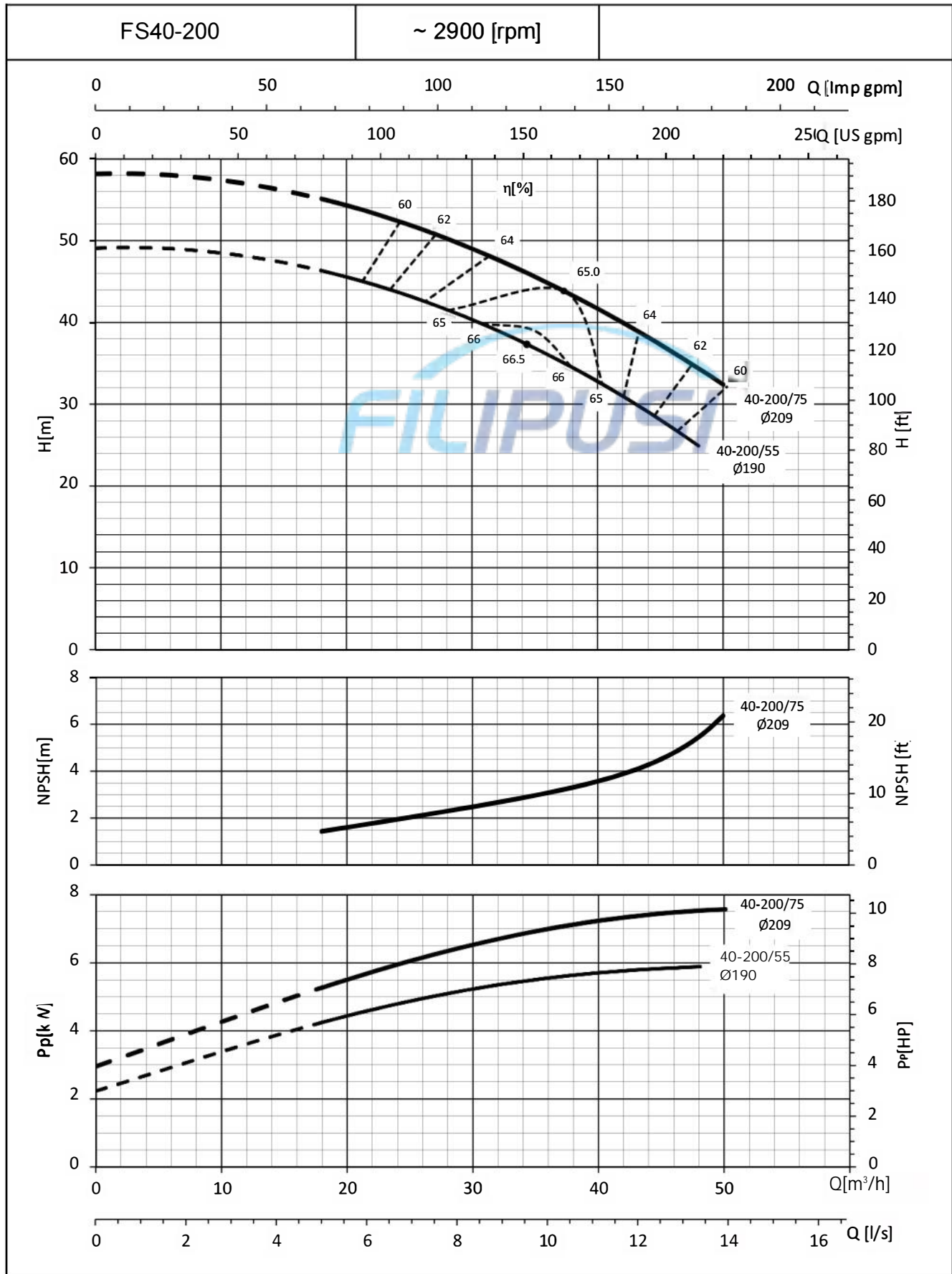
FSSERIES
OPERATING CHARACTERISTICS AT 50Hz, 2 POLES



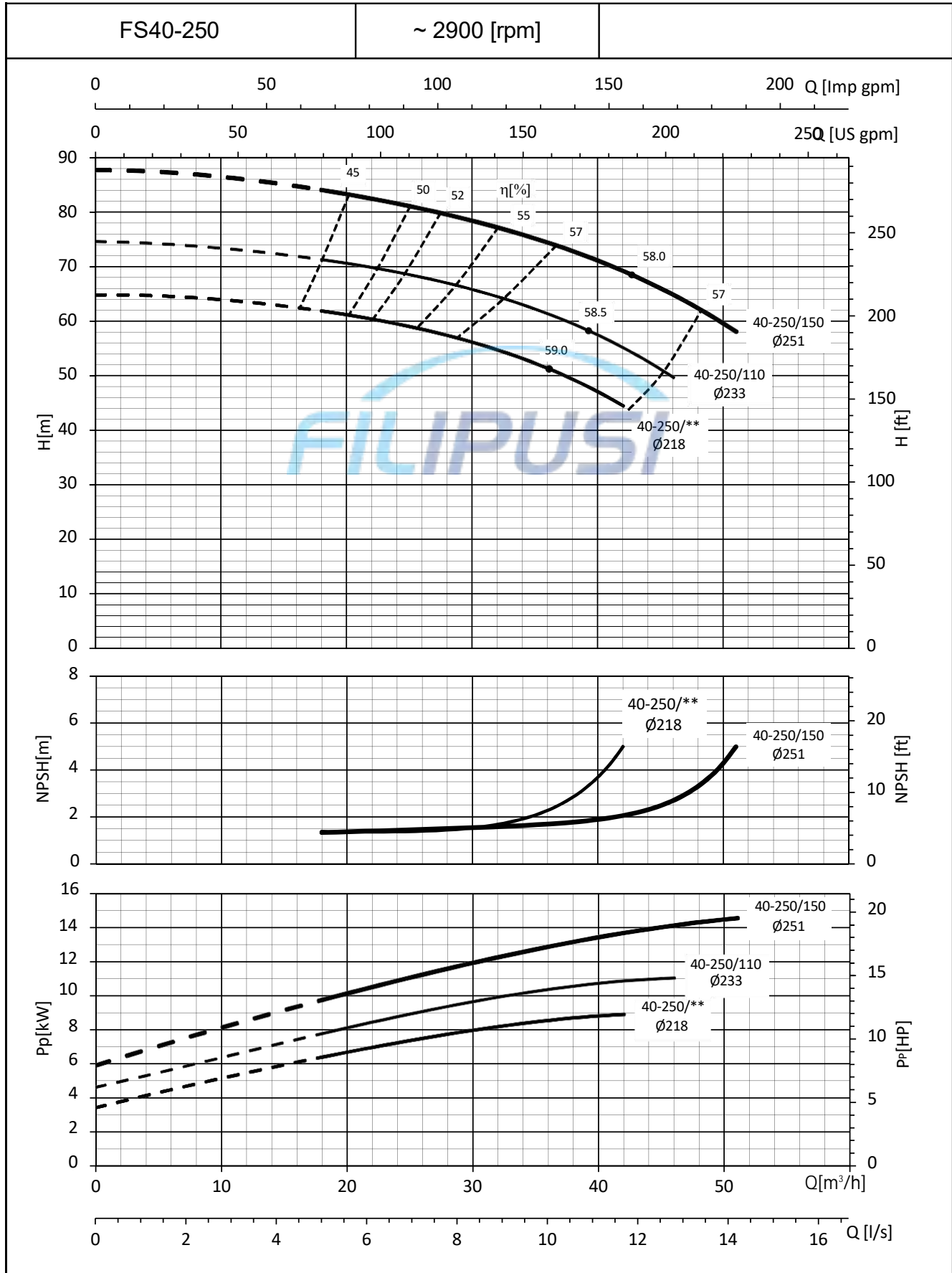
FS SERIES
OPERATING CHARACTERISTICS AT 50Hz, 2 POLES



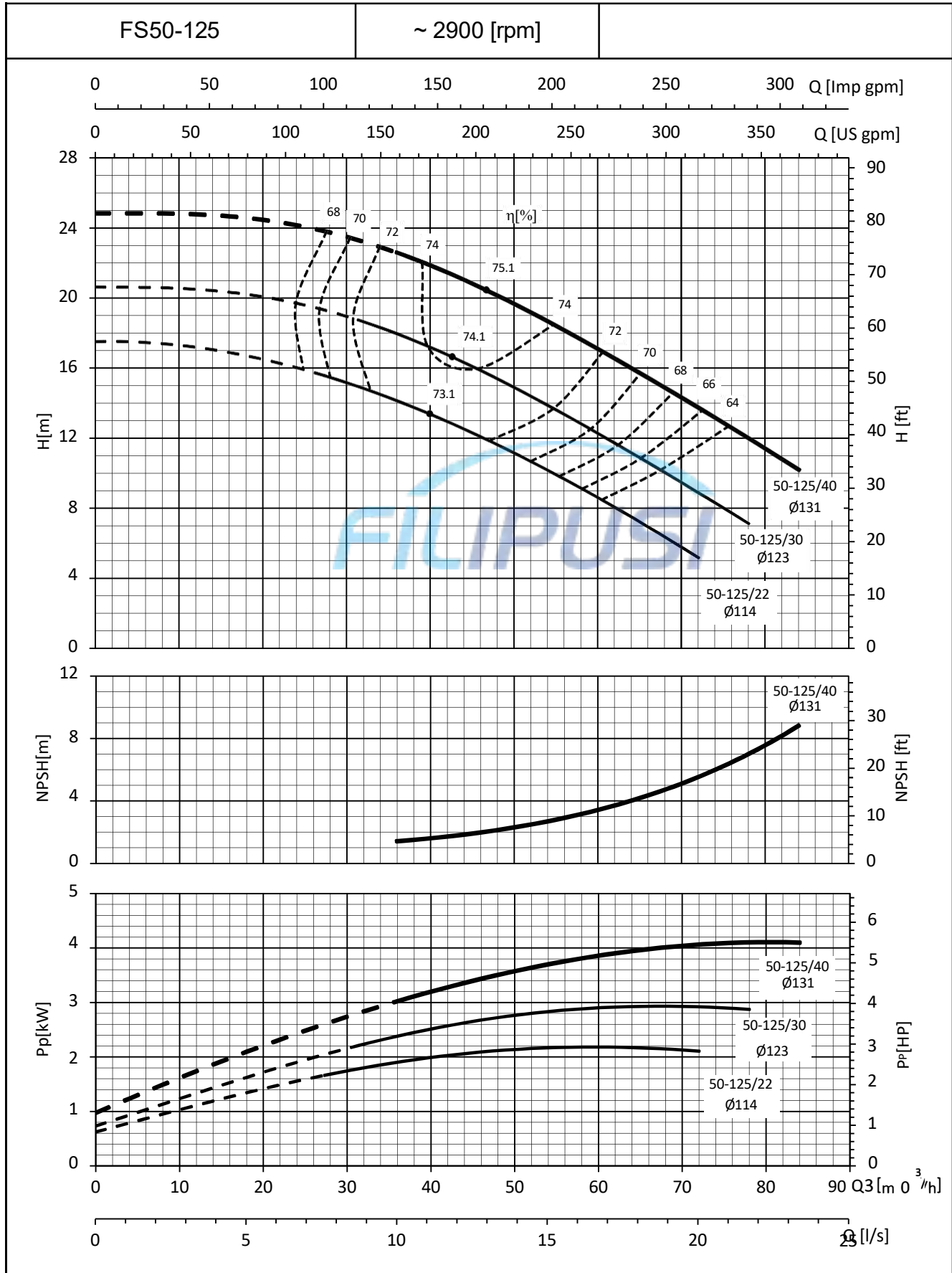
FSSERIES
OPERATING CHARACTERISTICS AT 50Hz, 2POLES



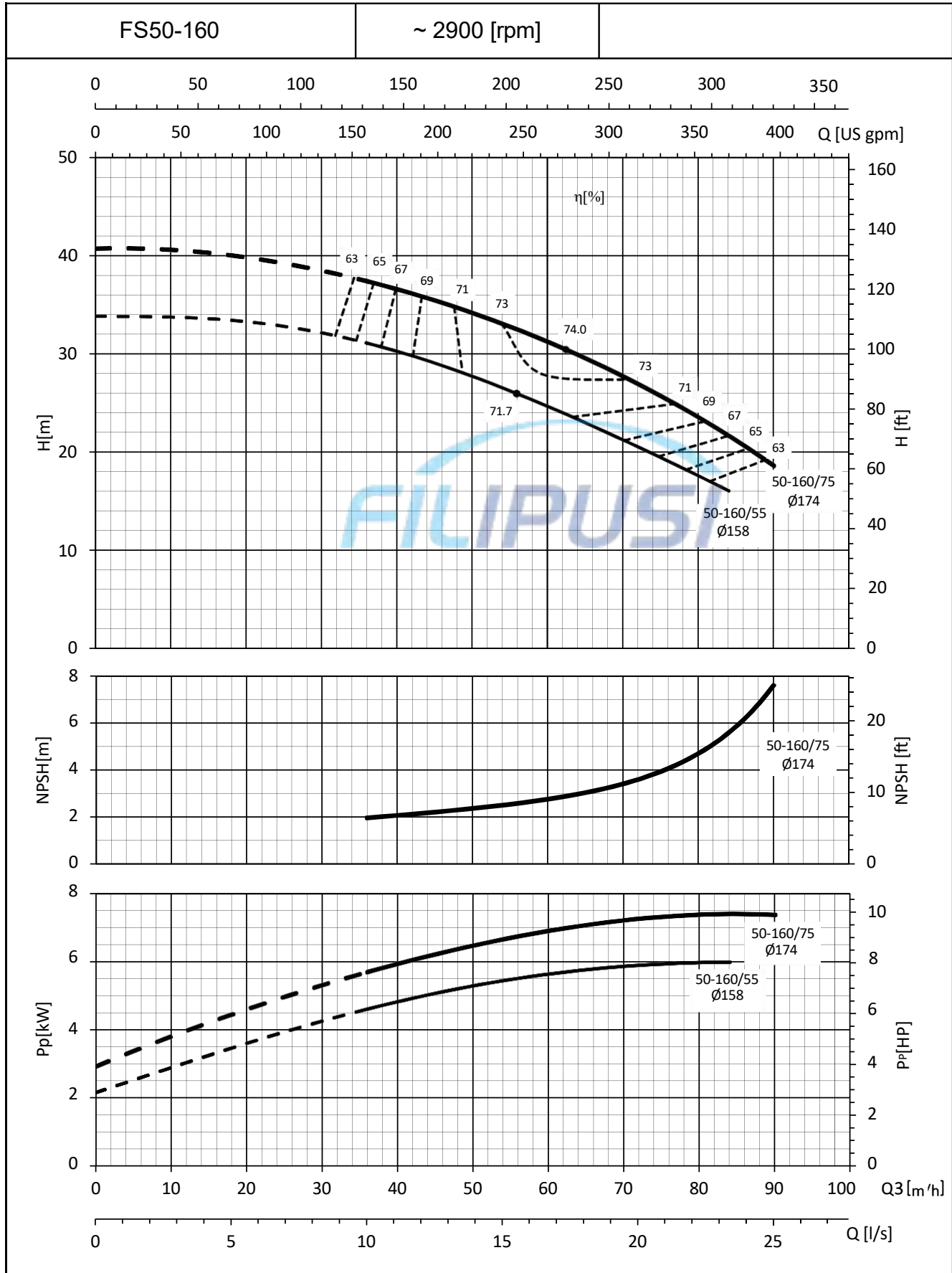
FSSERIES
OPERATING CHARACTERISTICS AT 50Hz, 2POLES



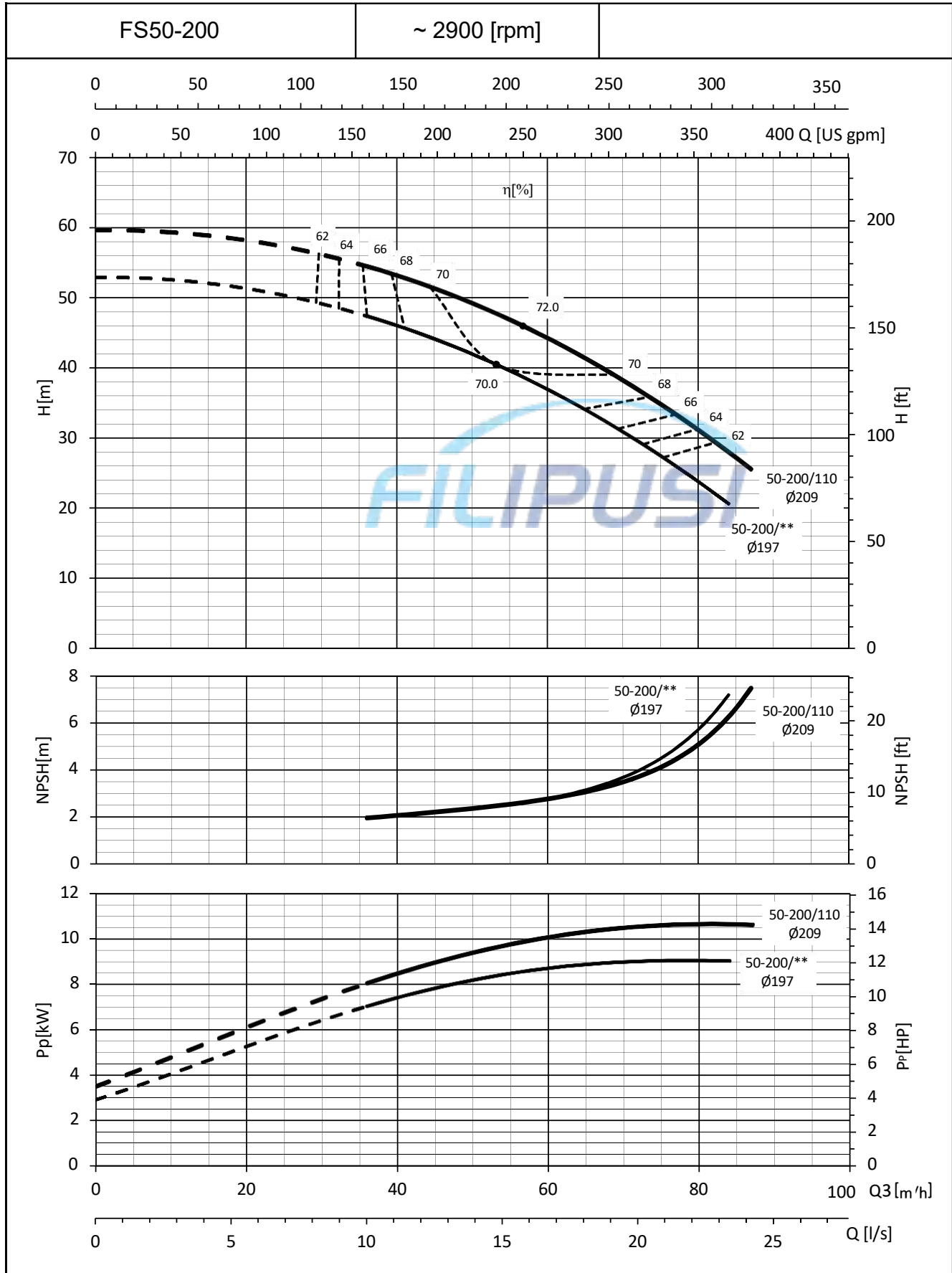
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



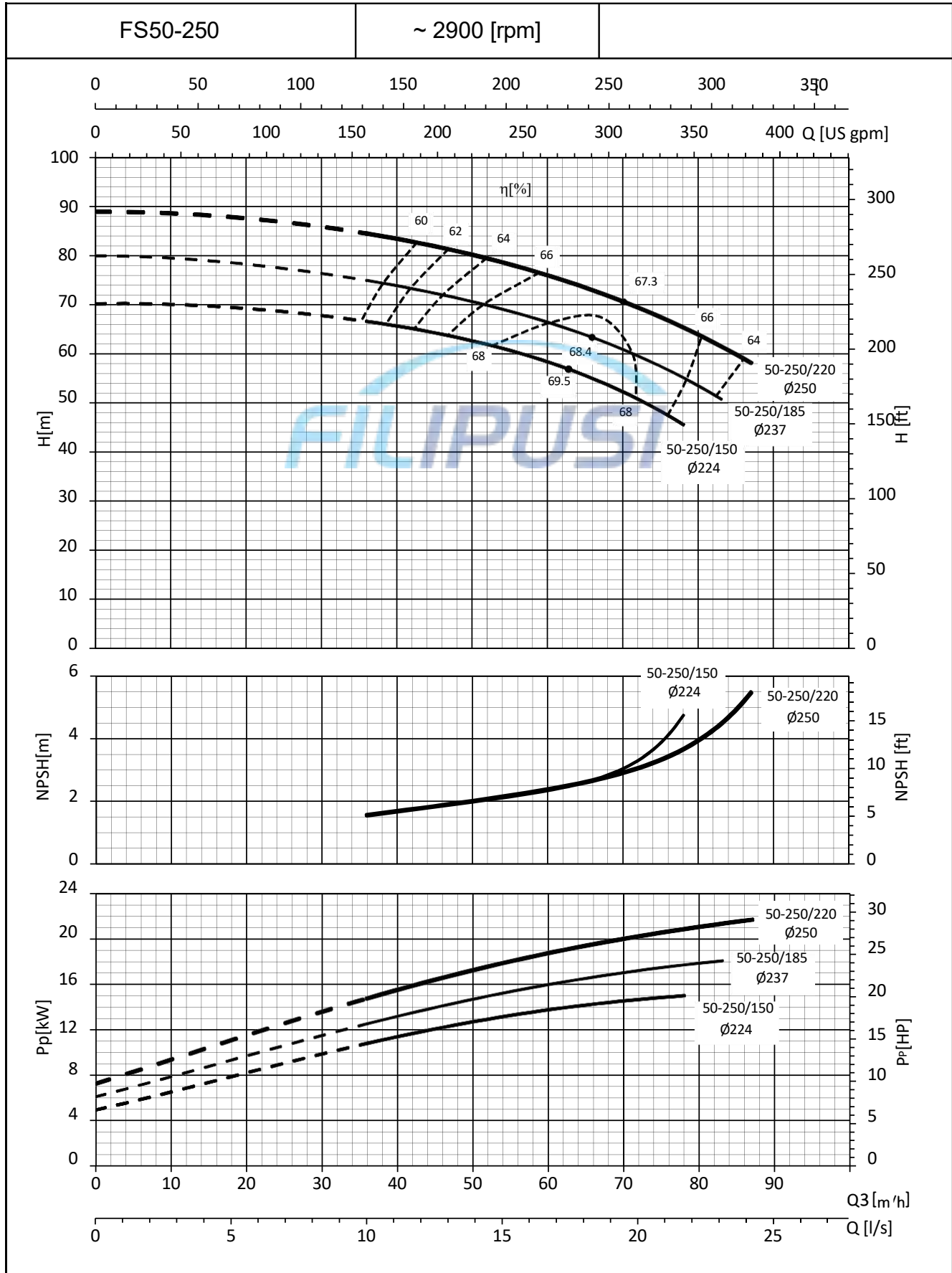
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



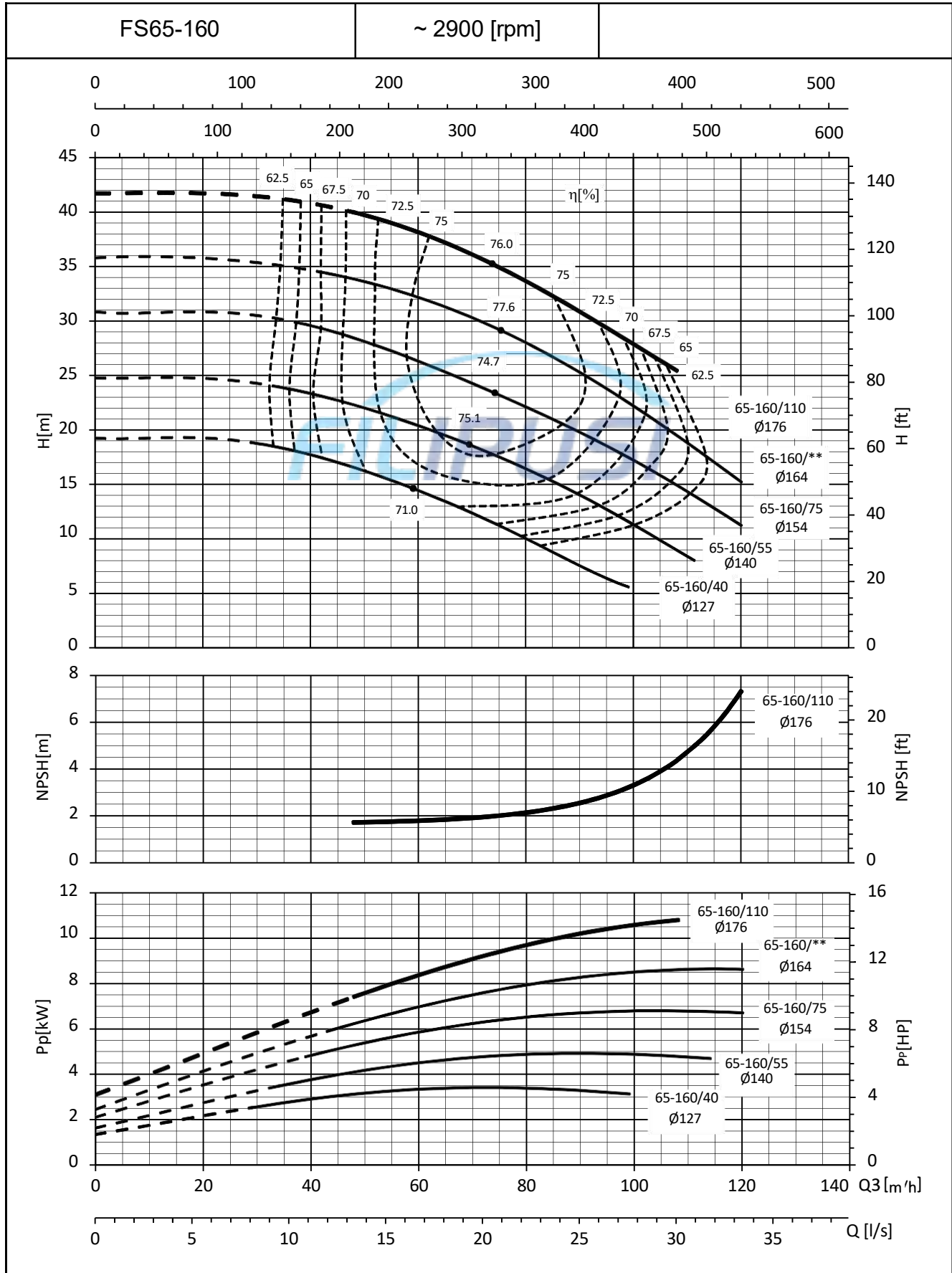
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



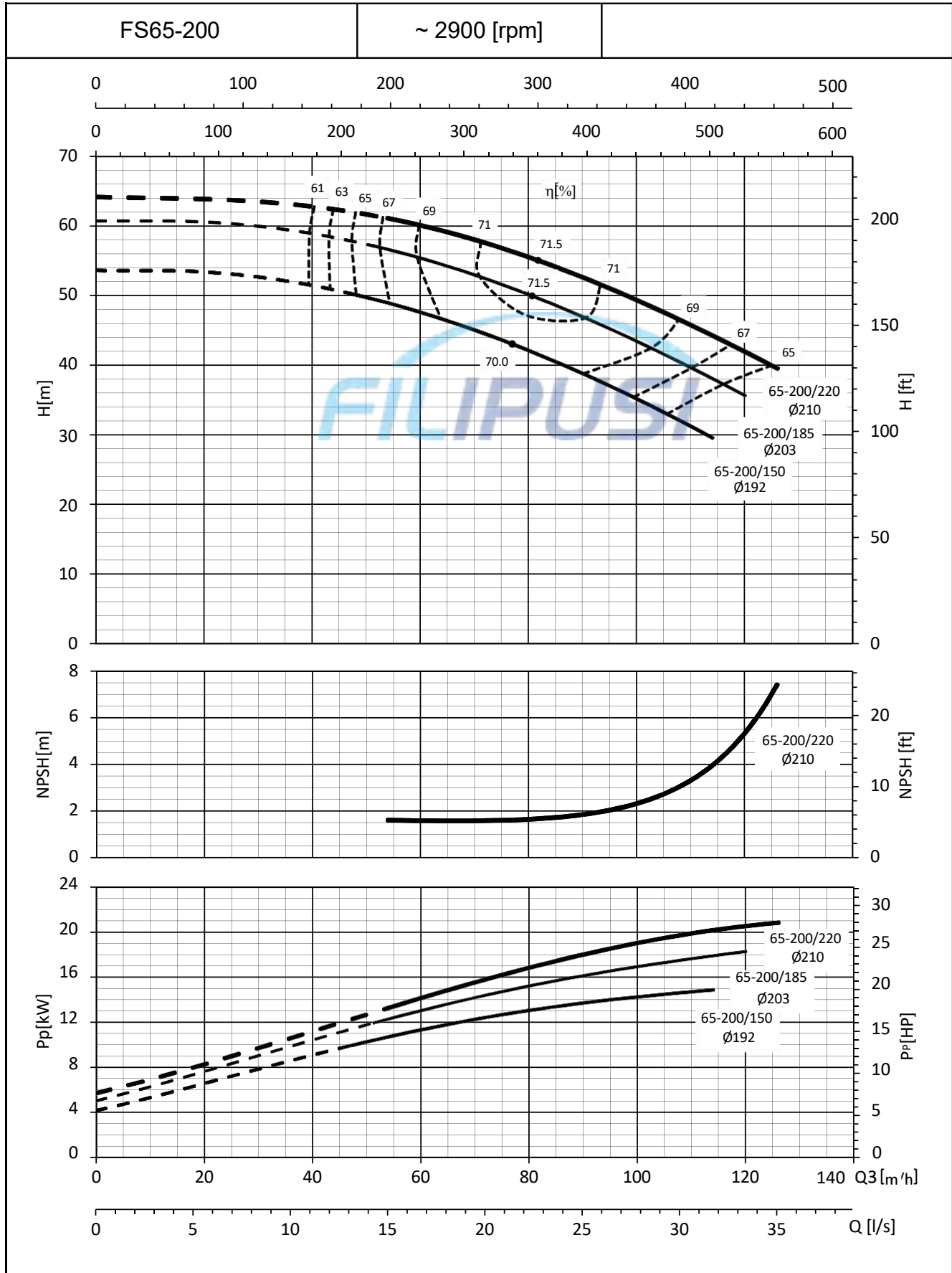
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



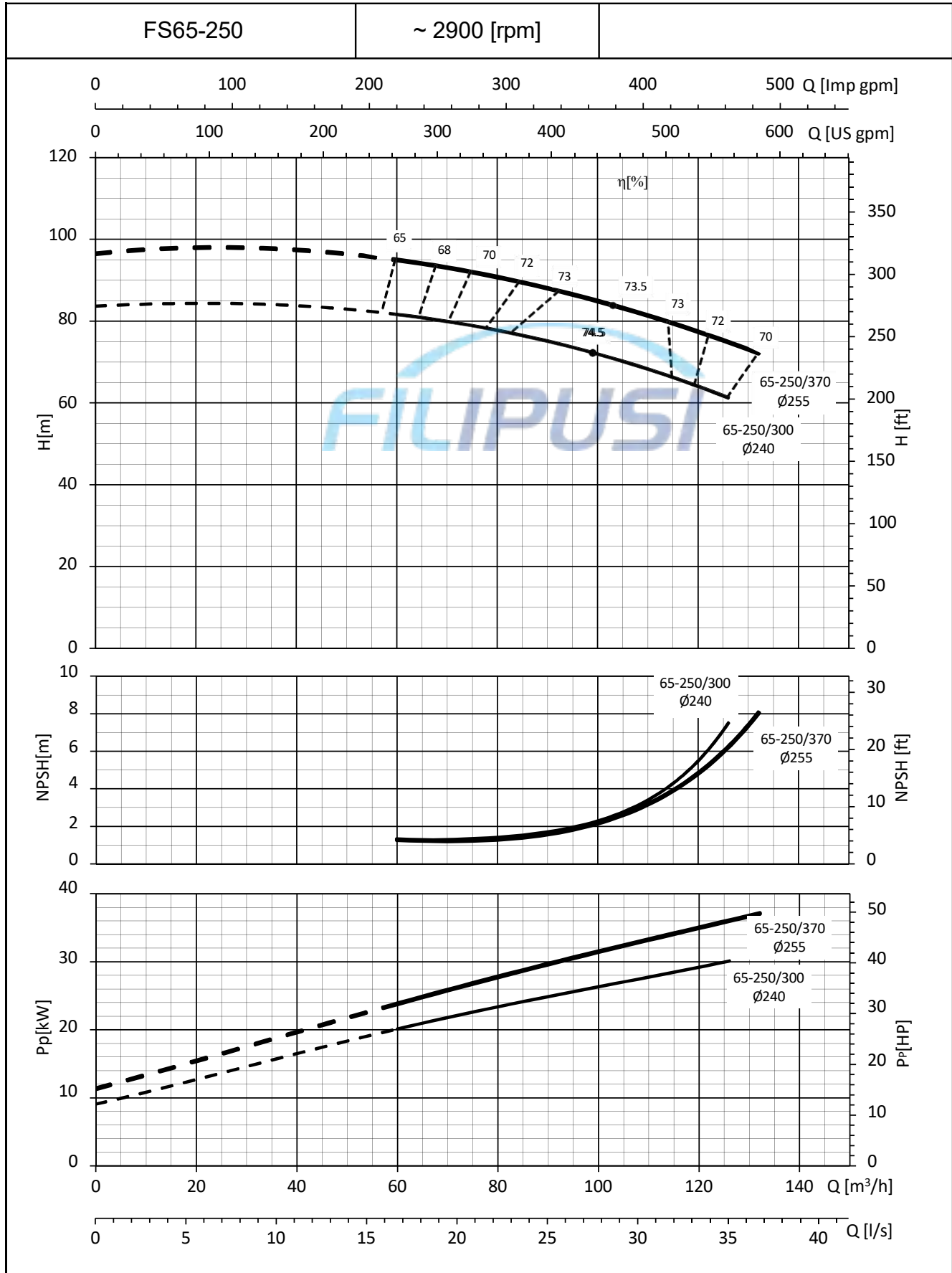
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



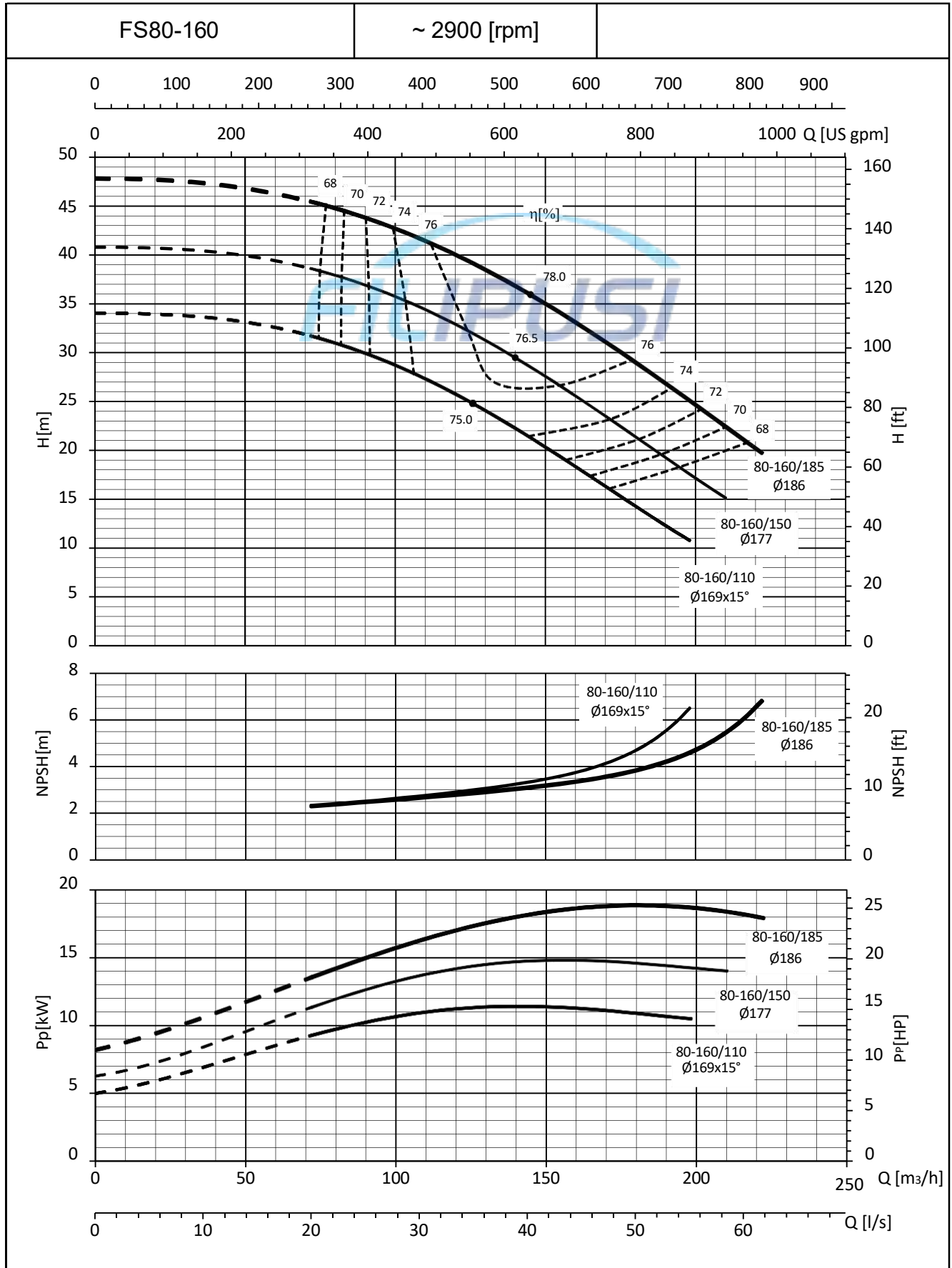
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



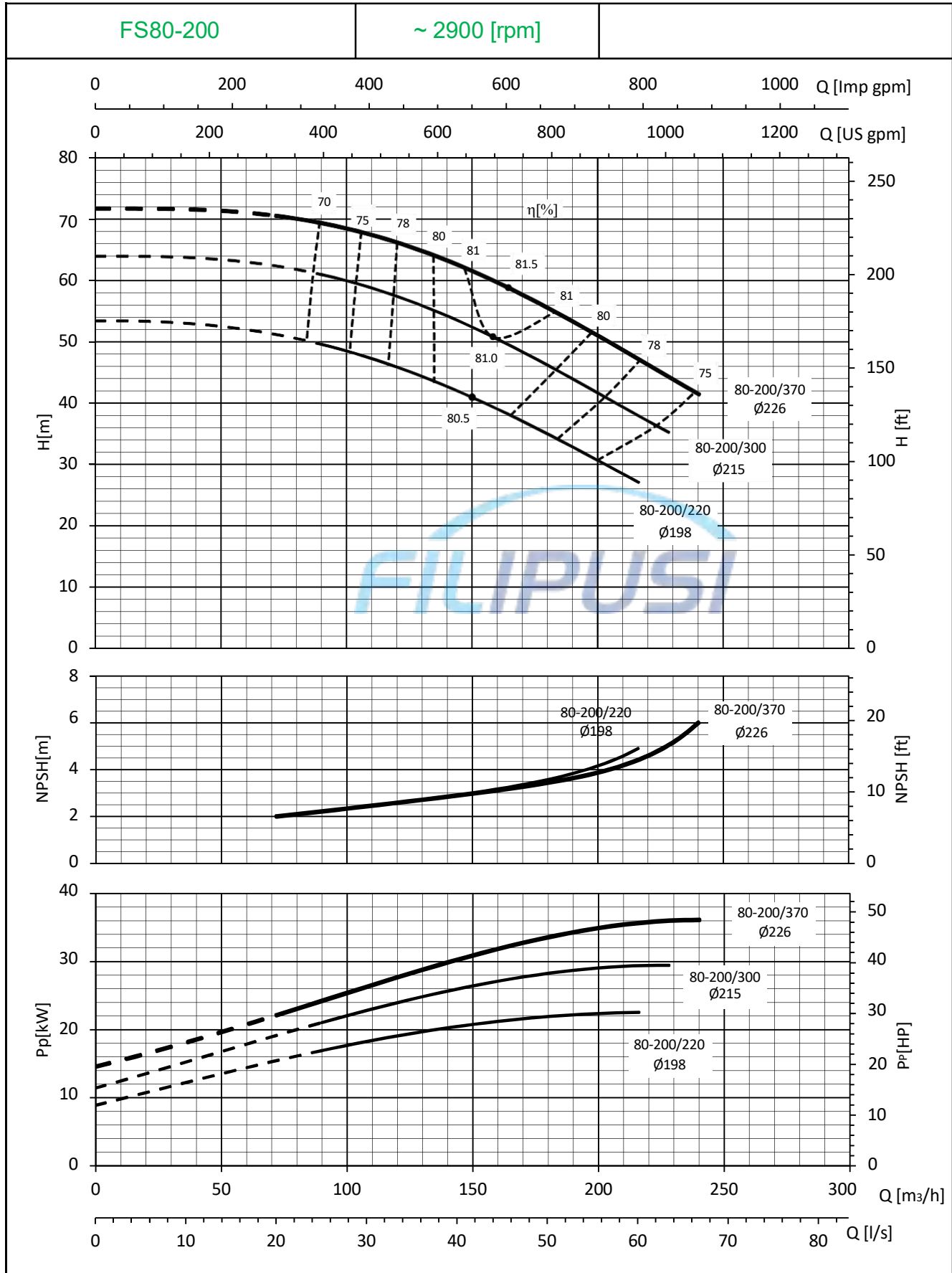
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



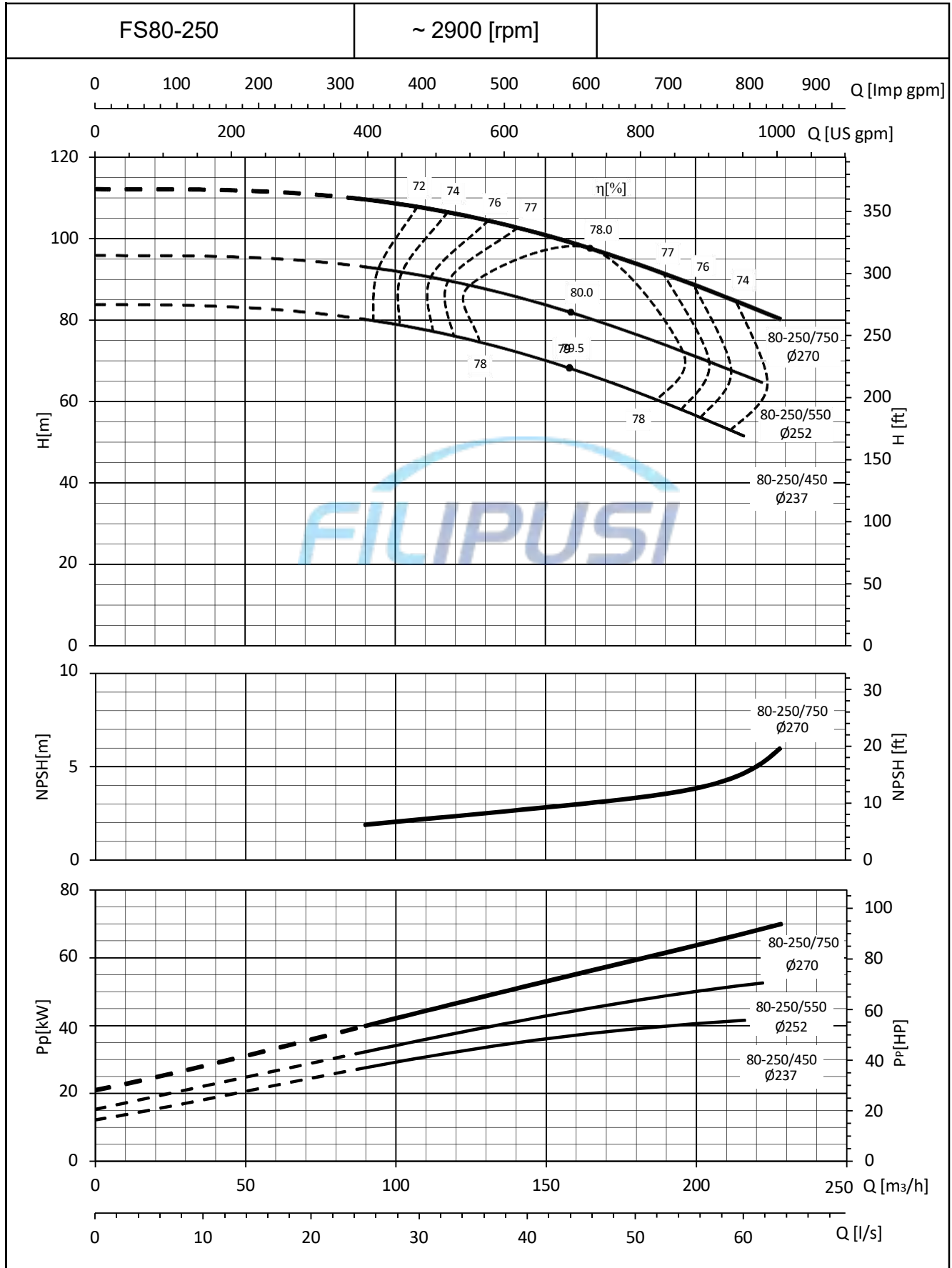
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



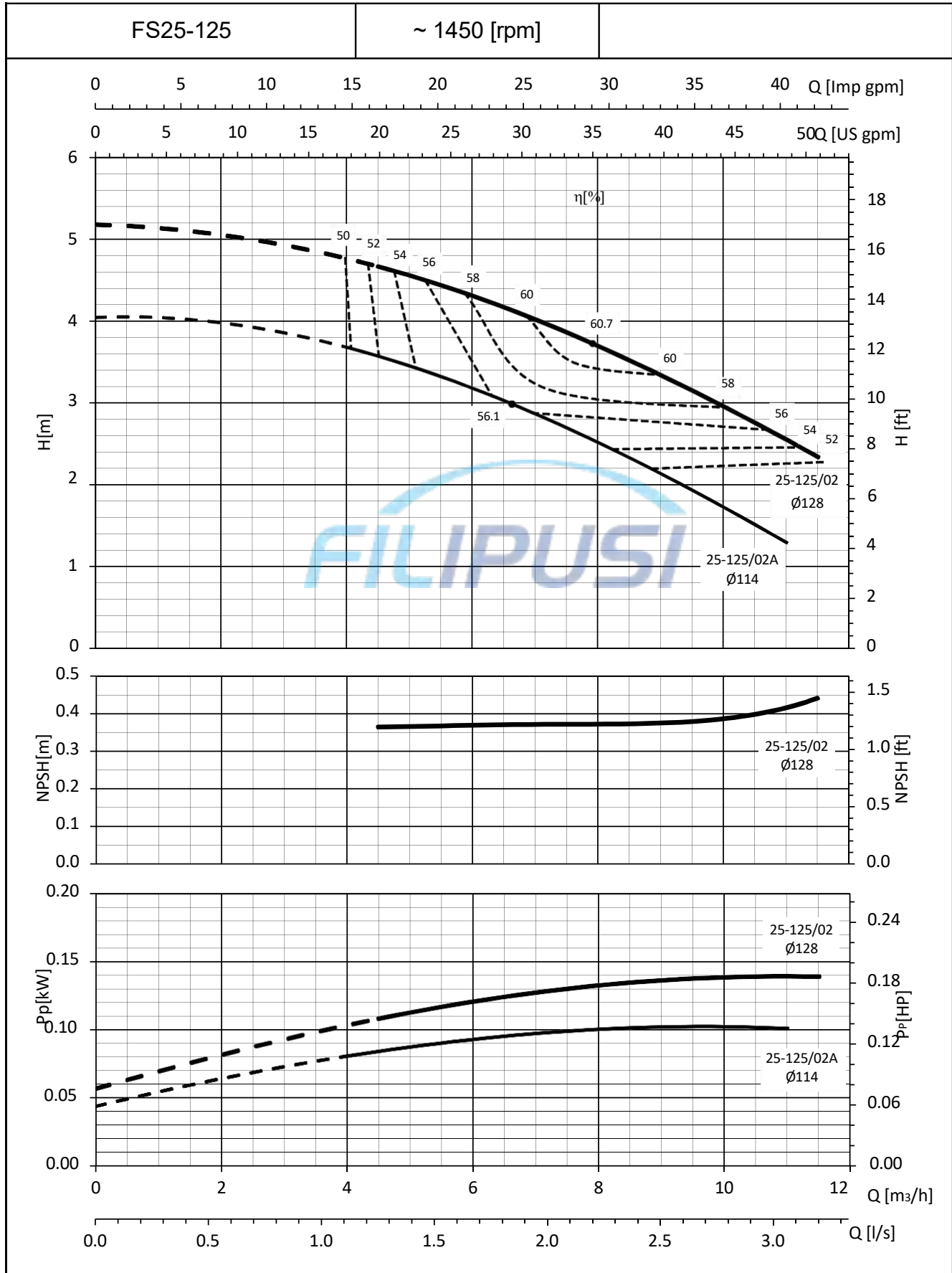
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



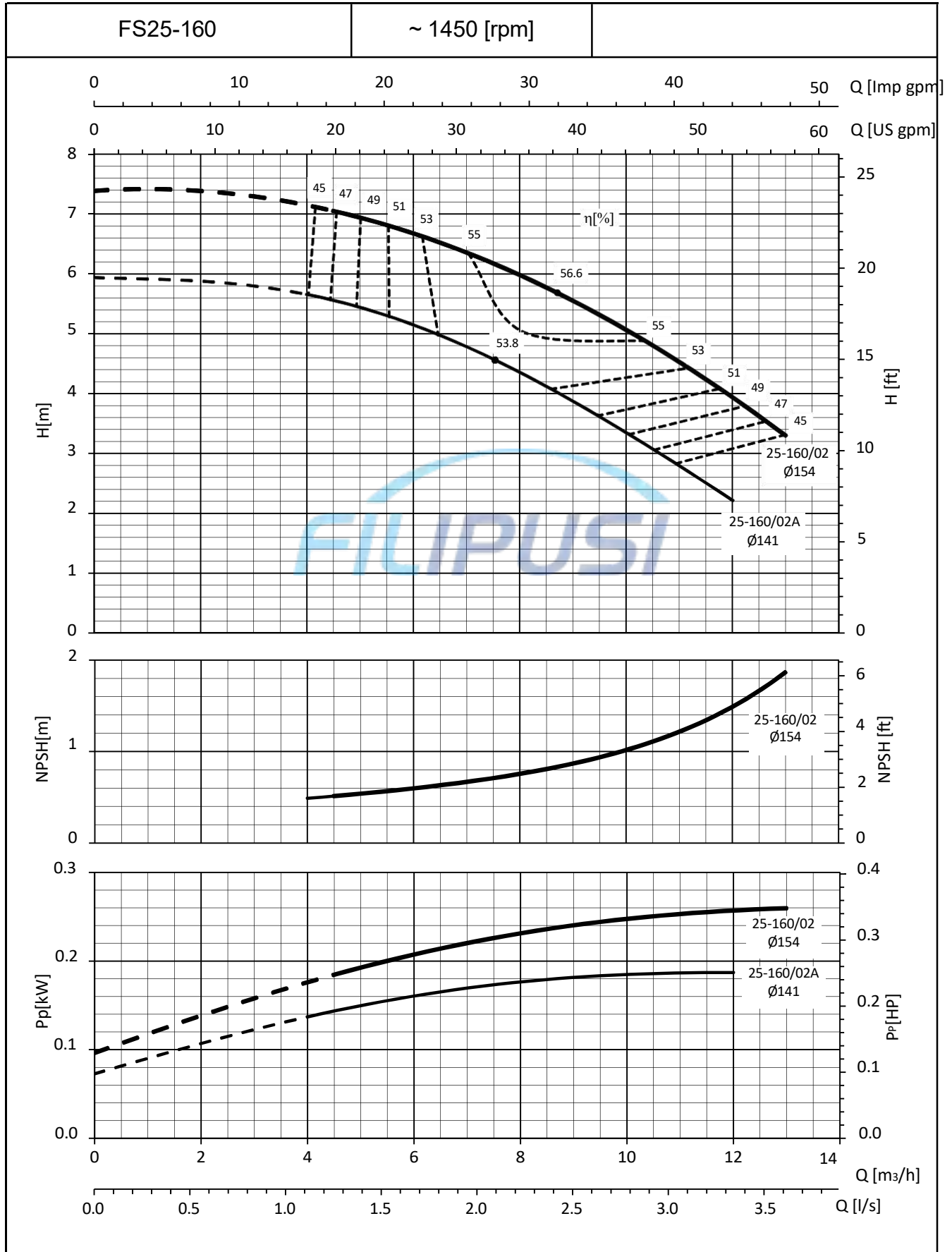
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES



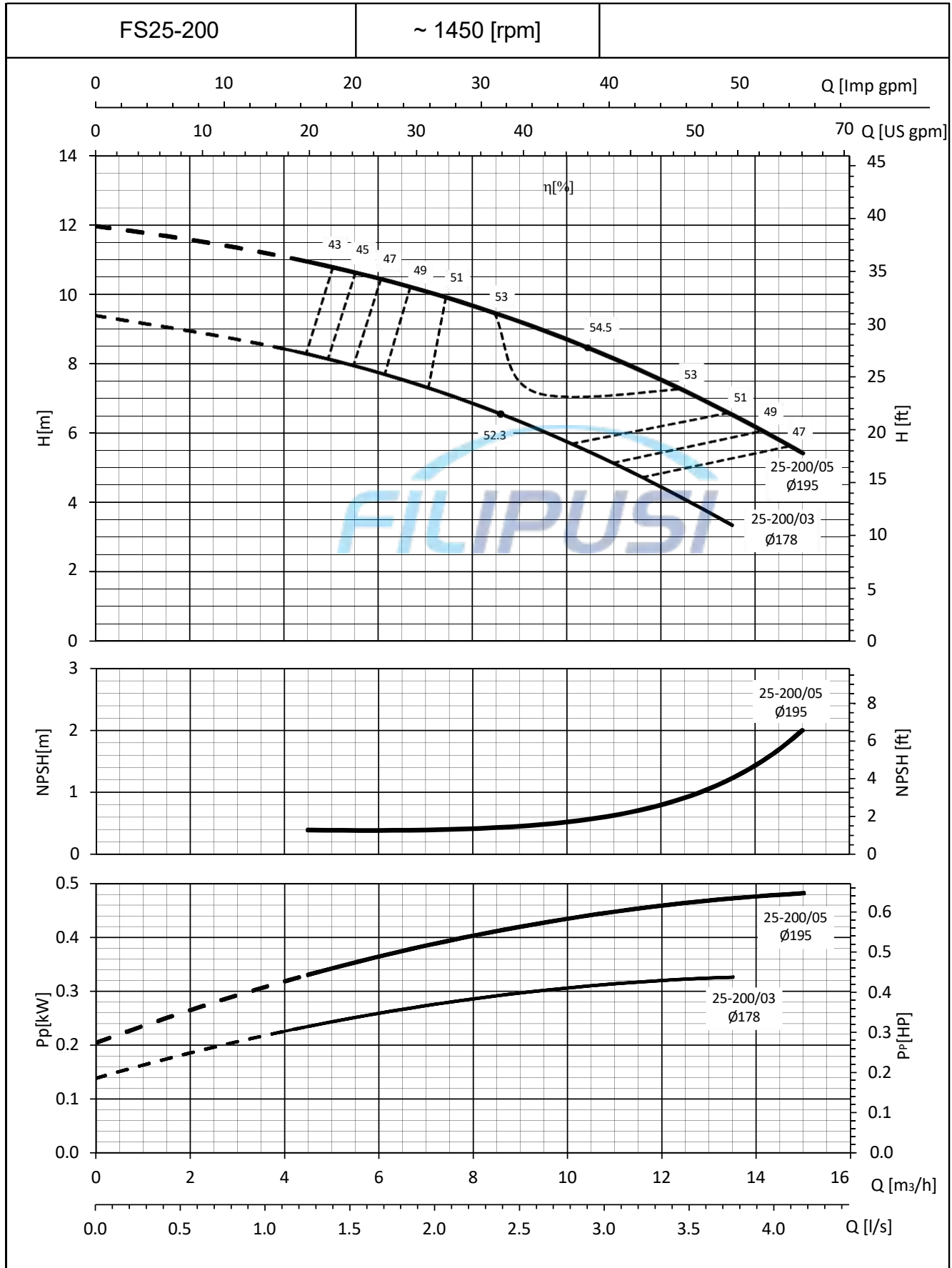
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



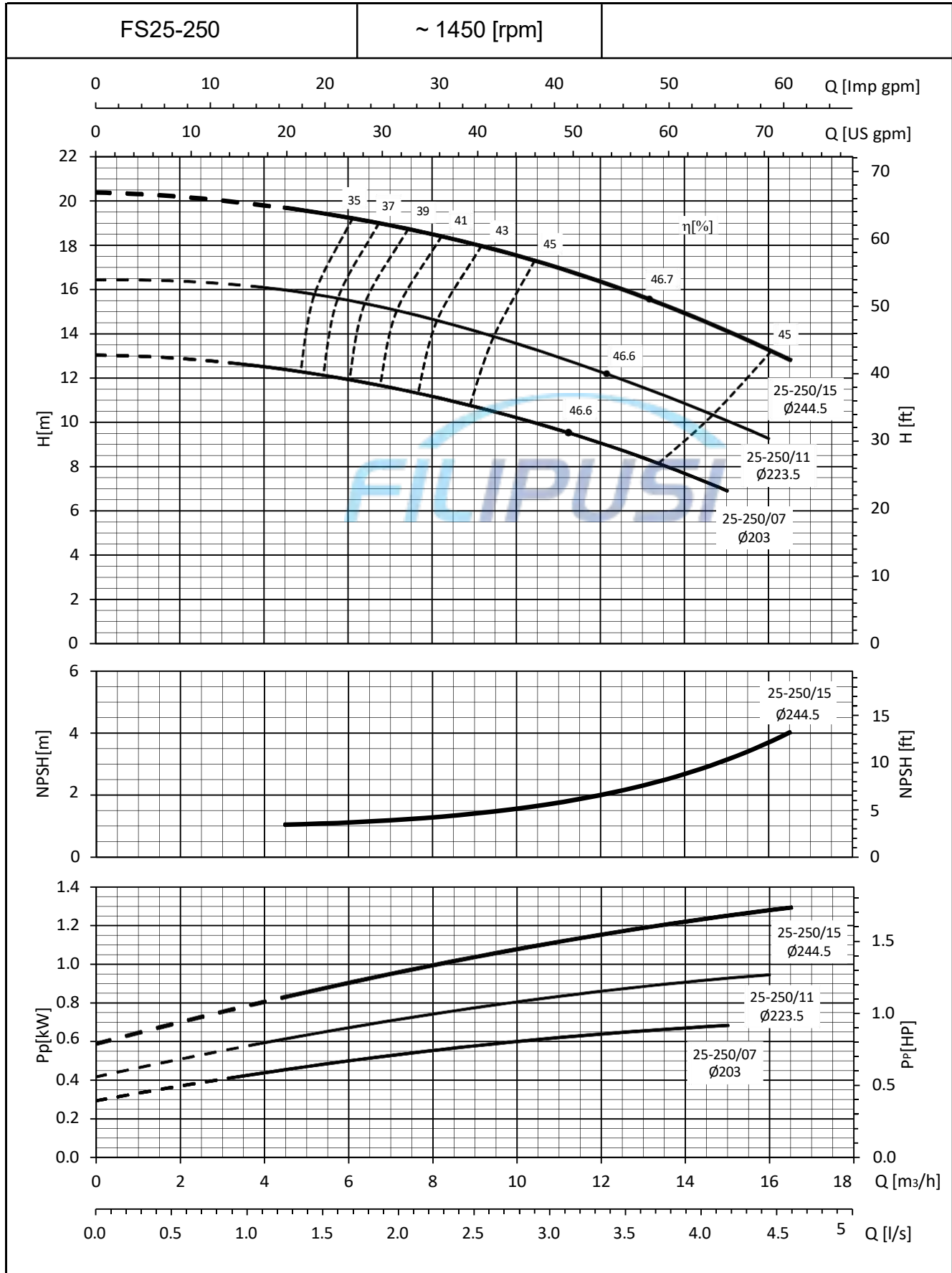
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



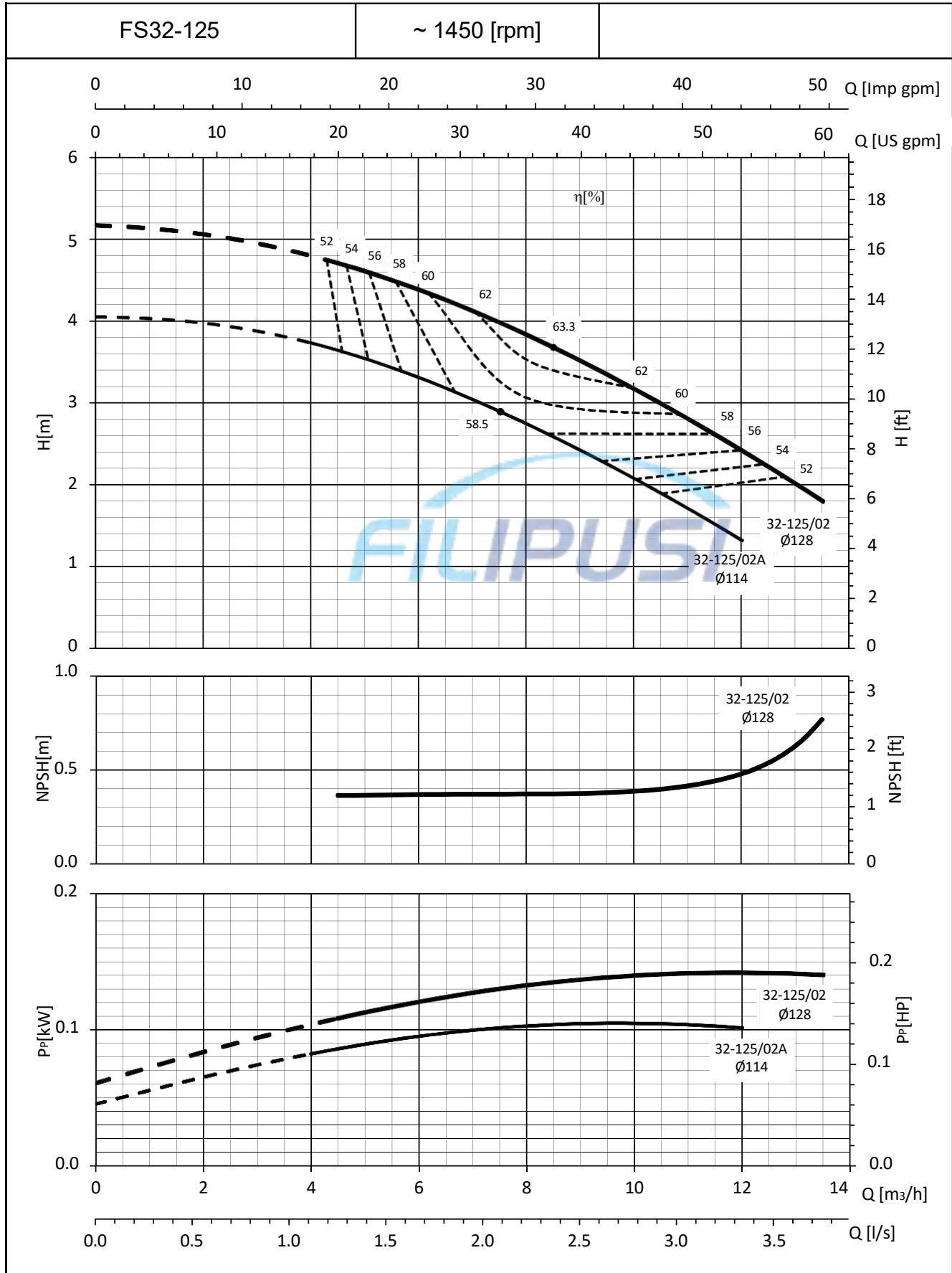
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



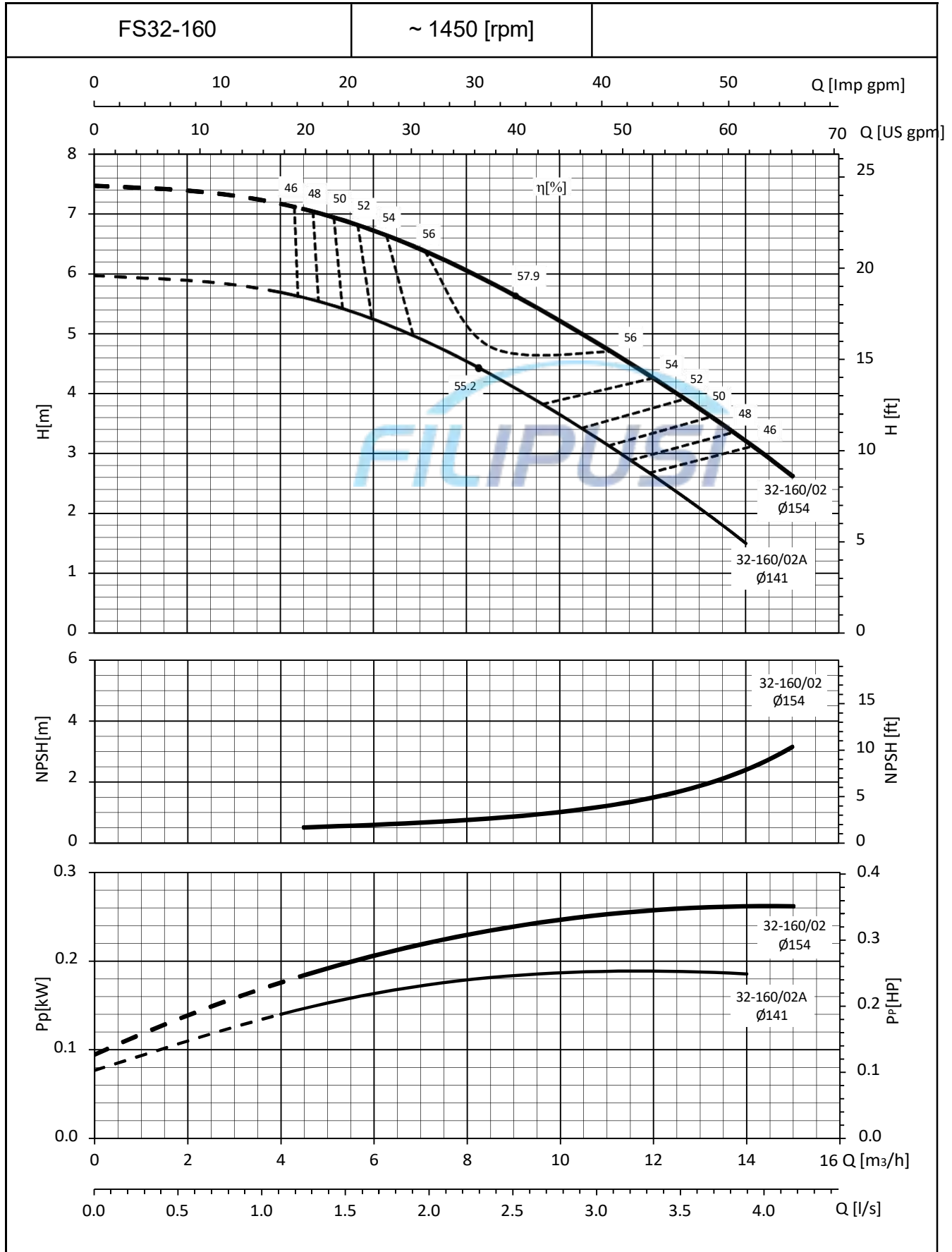
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



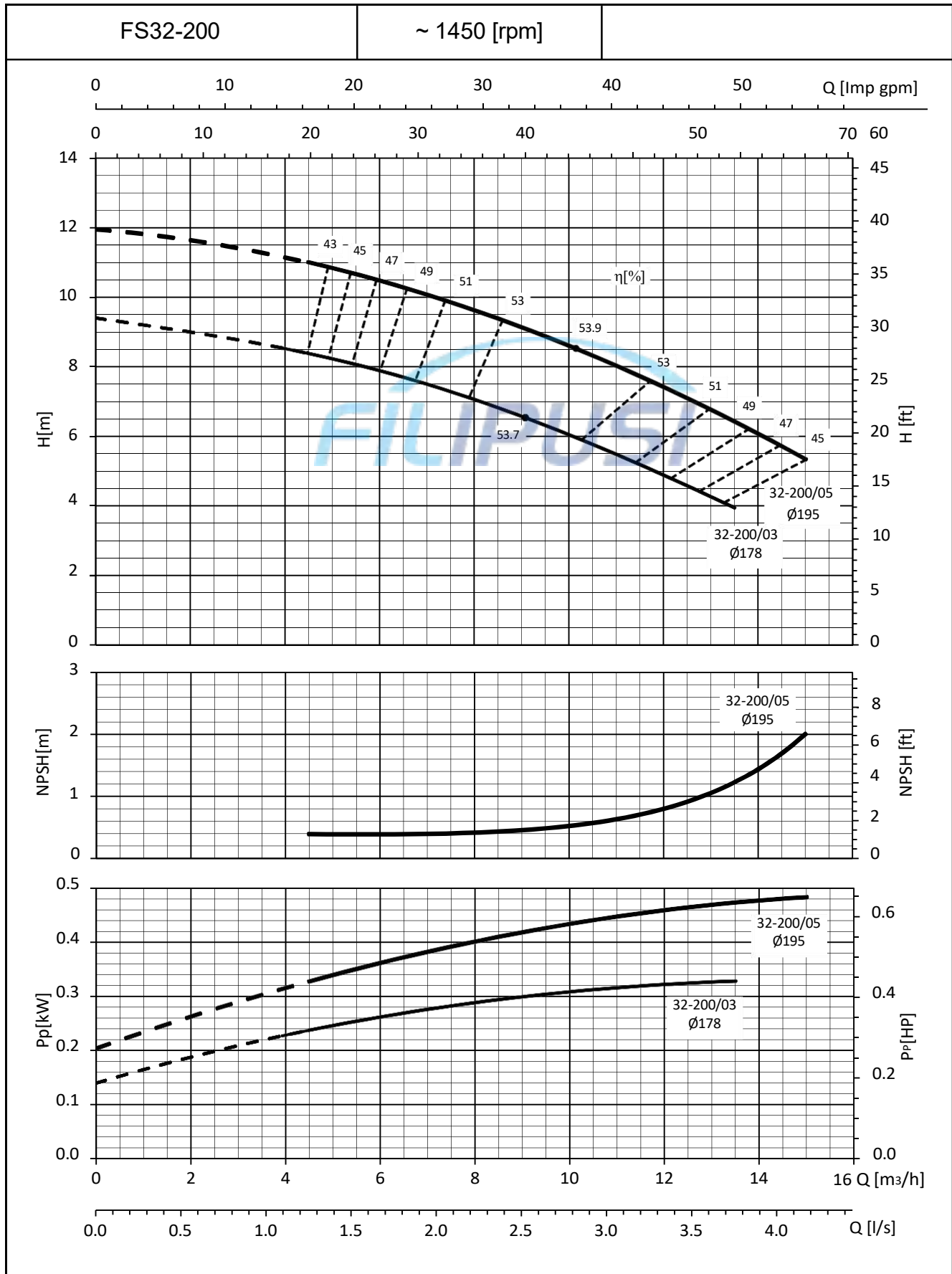
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



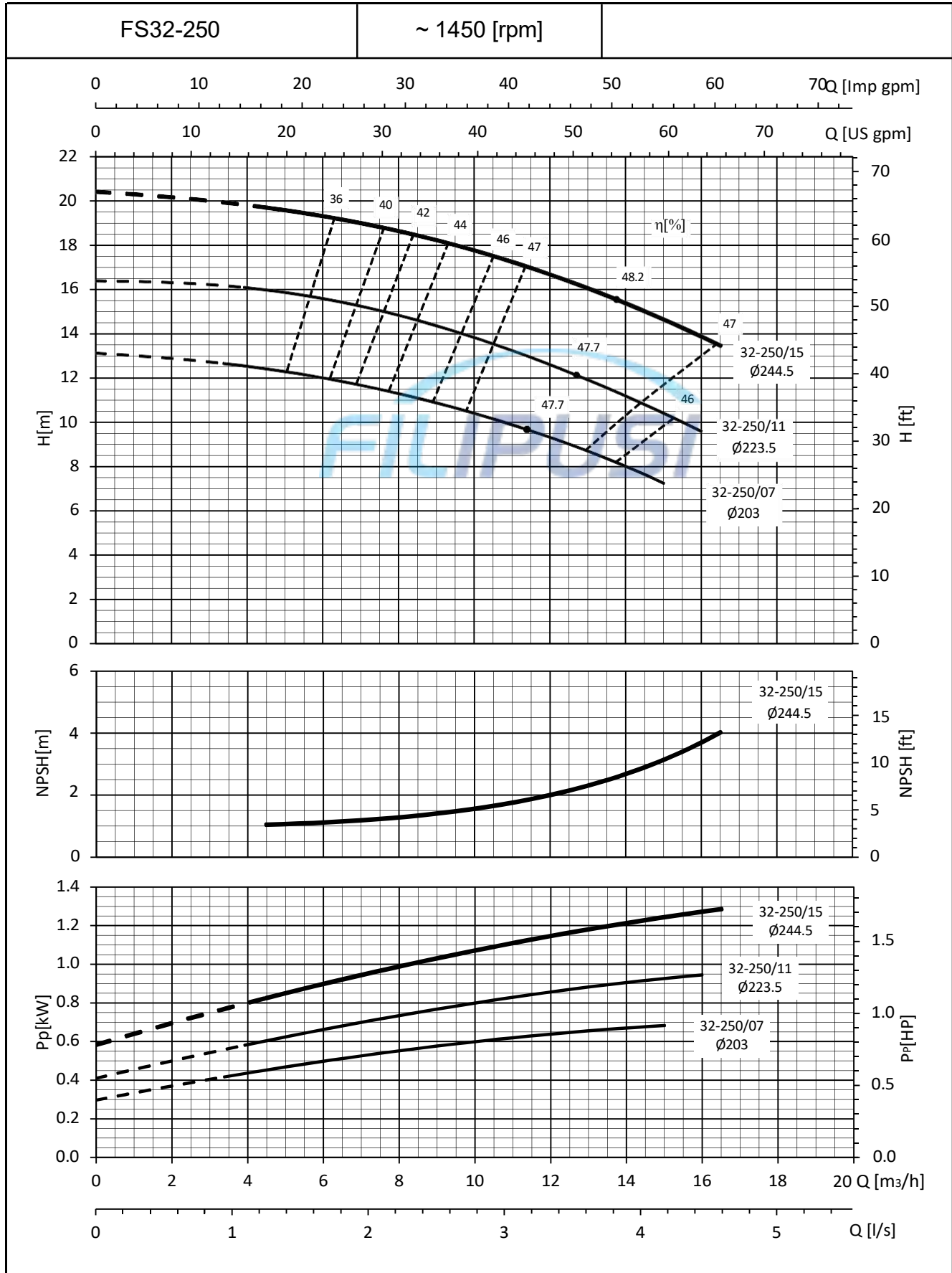
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



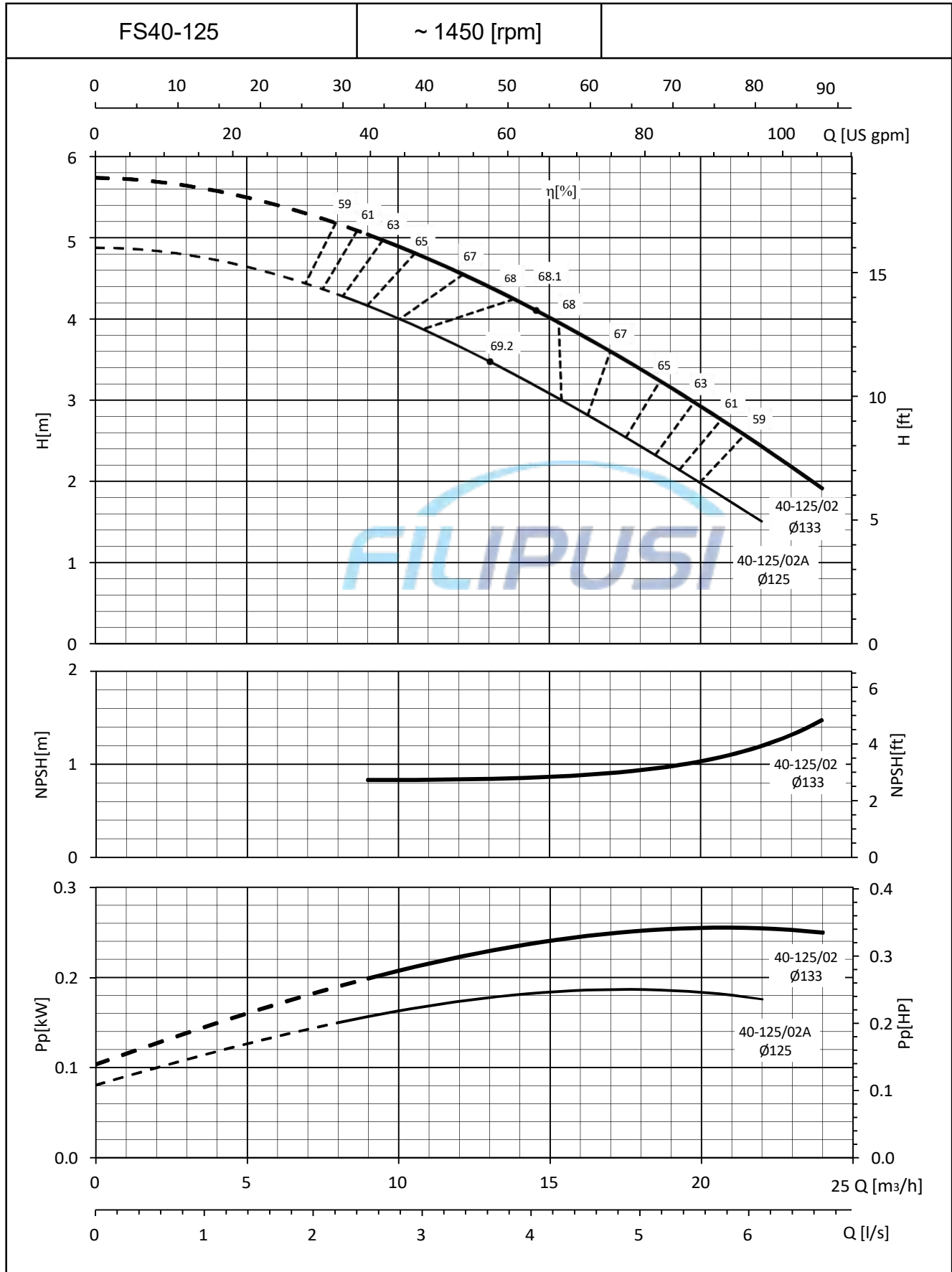
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



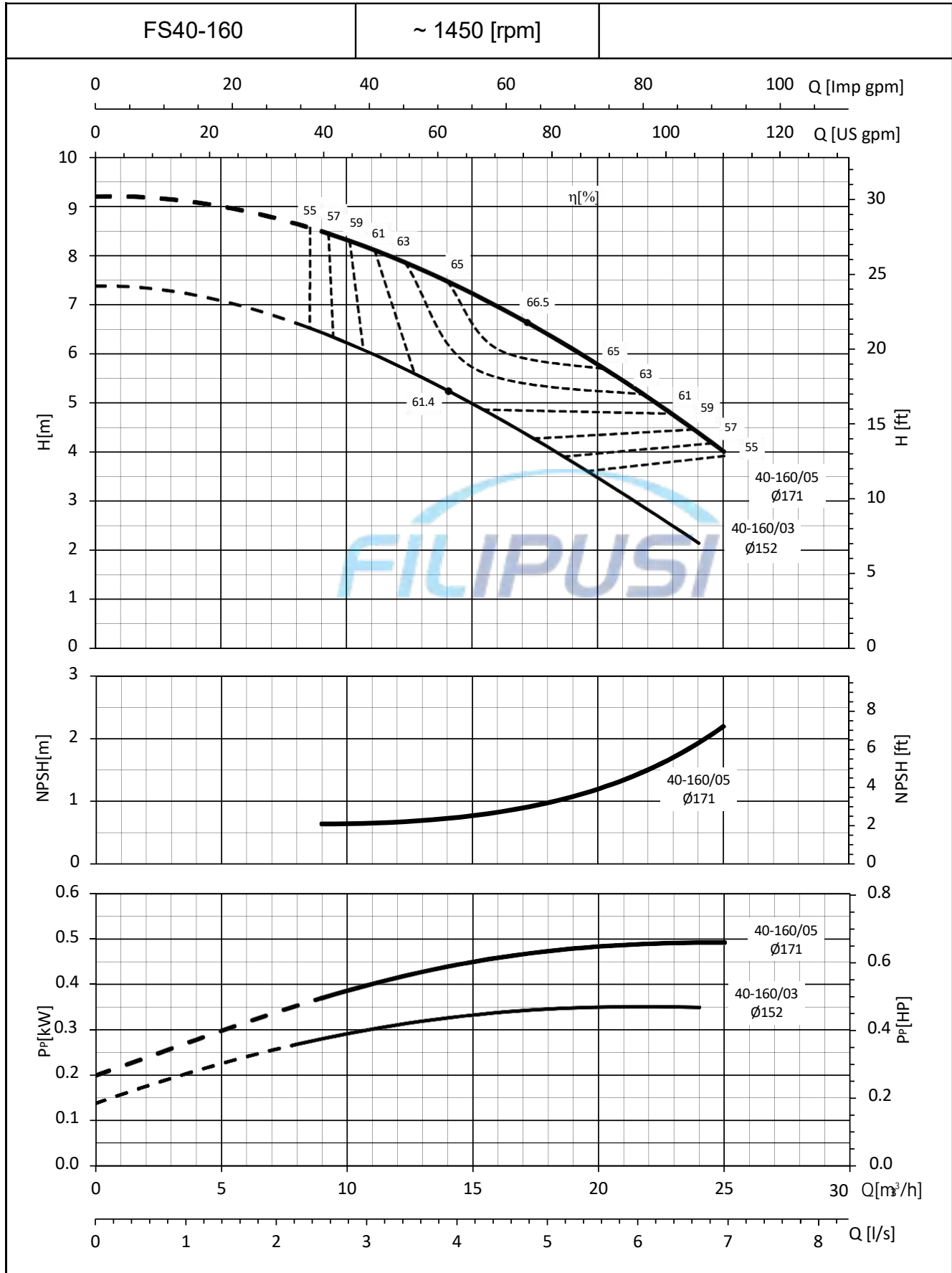
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



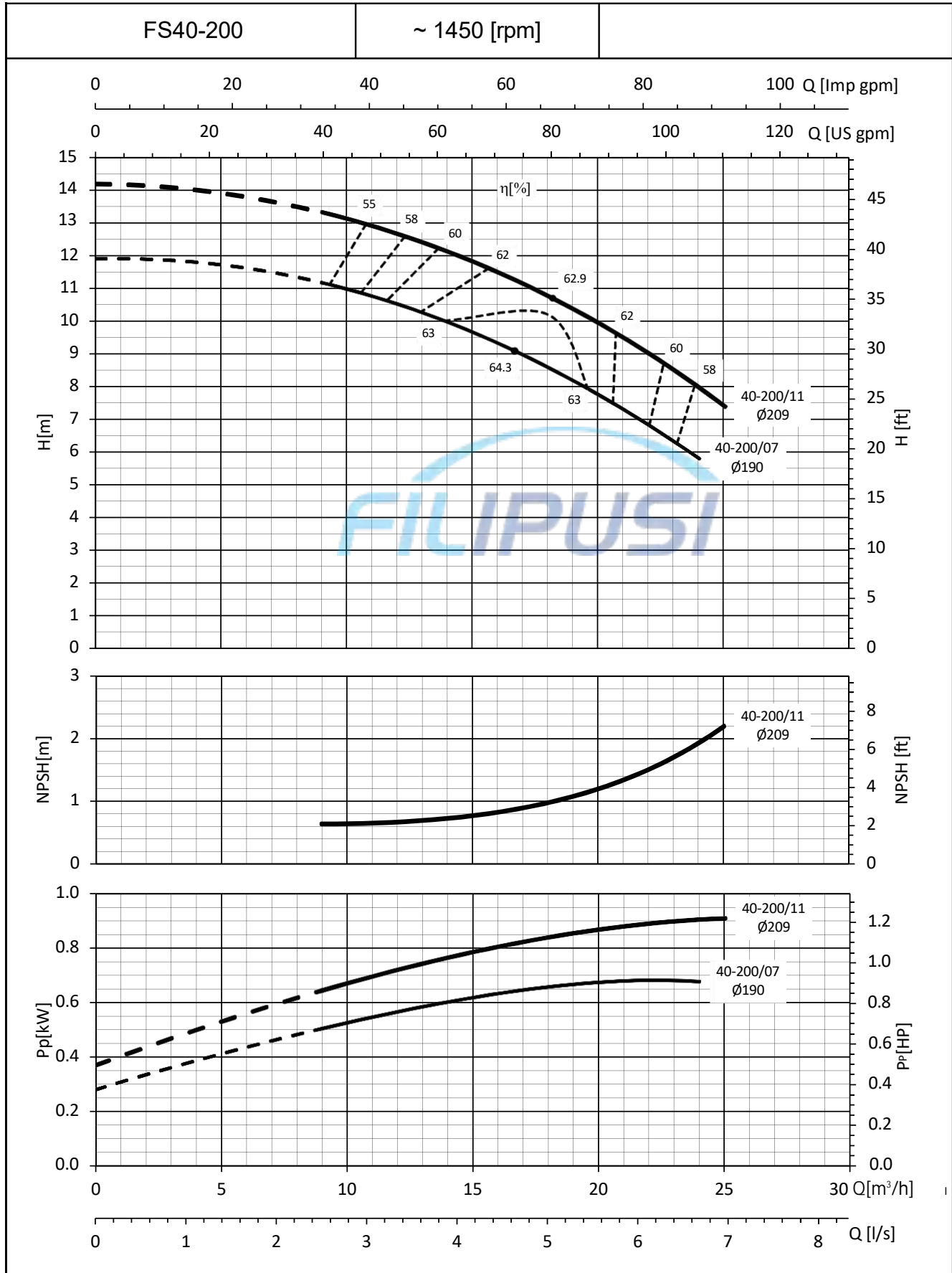
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



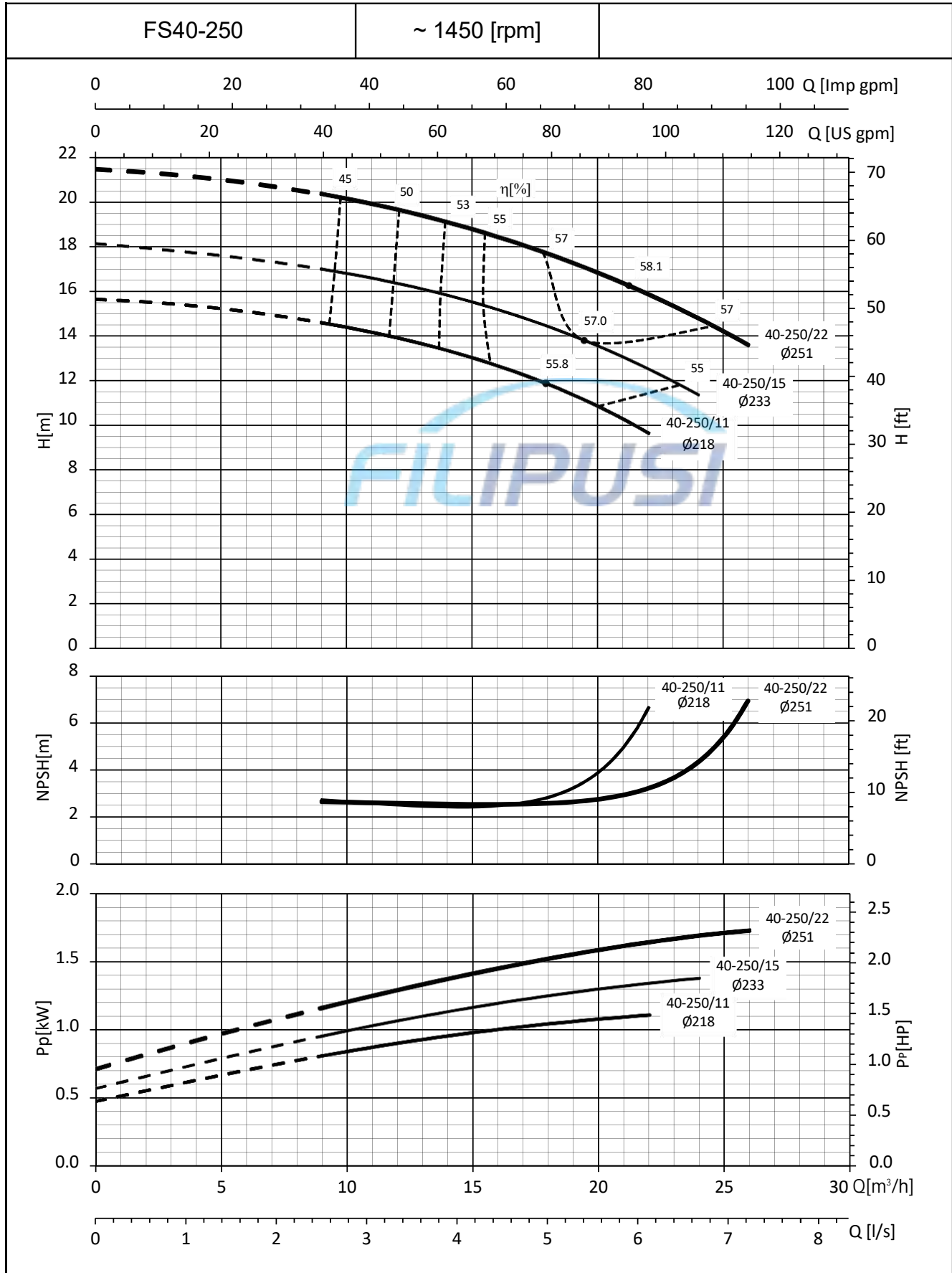
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



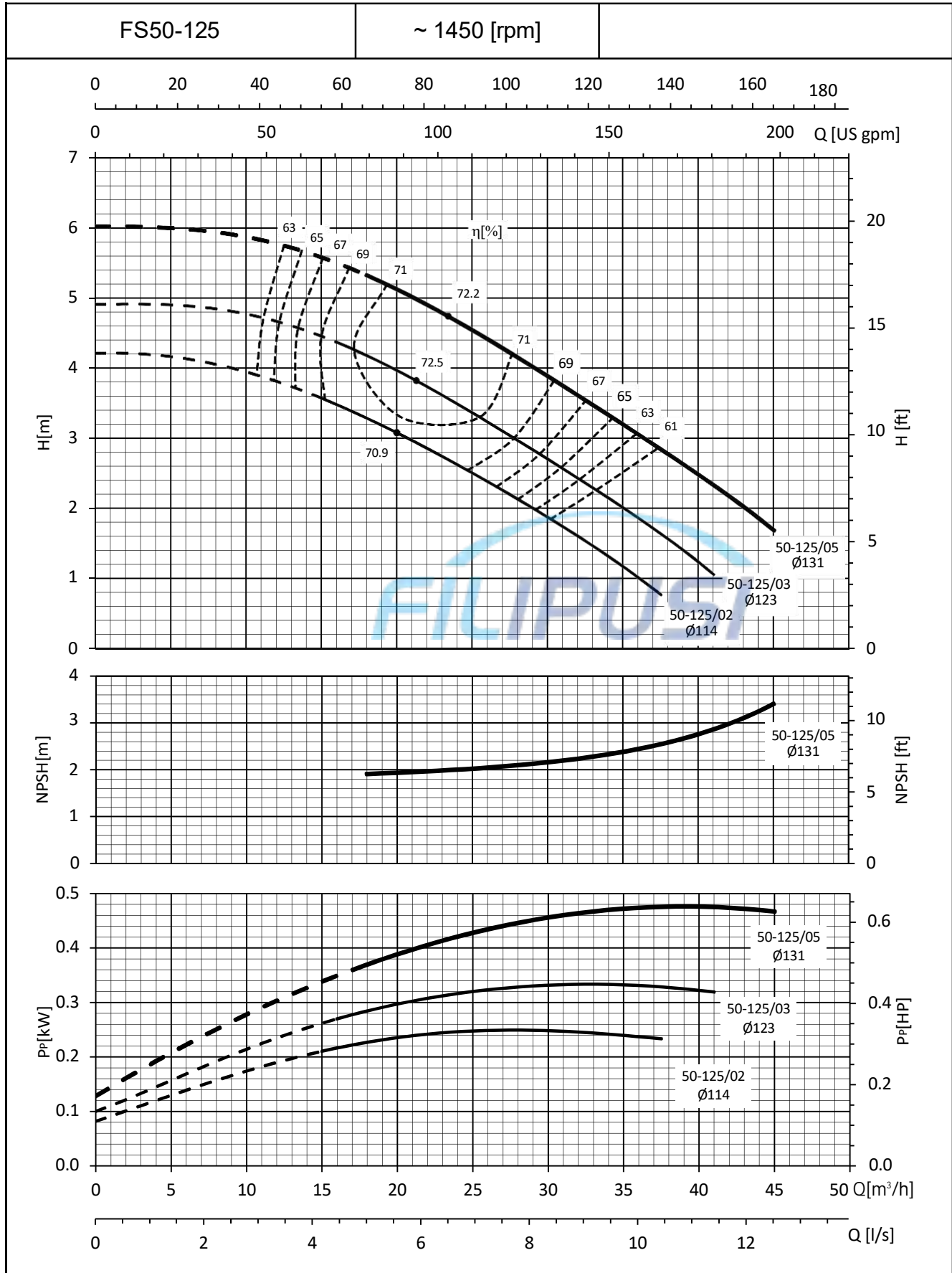
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



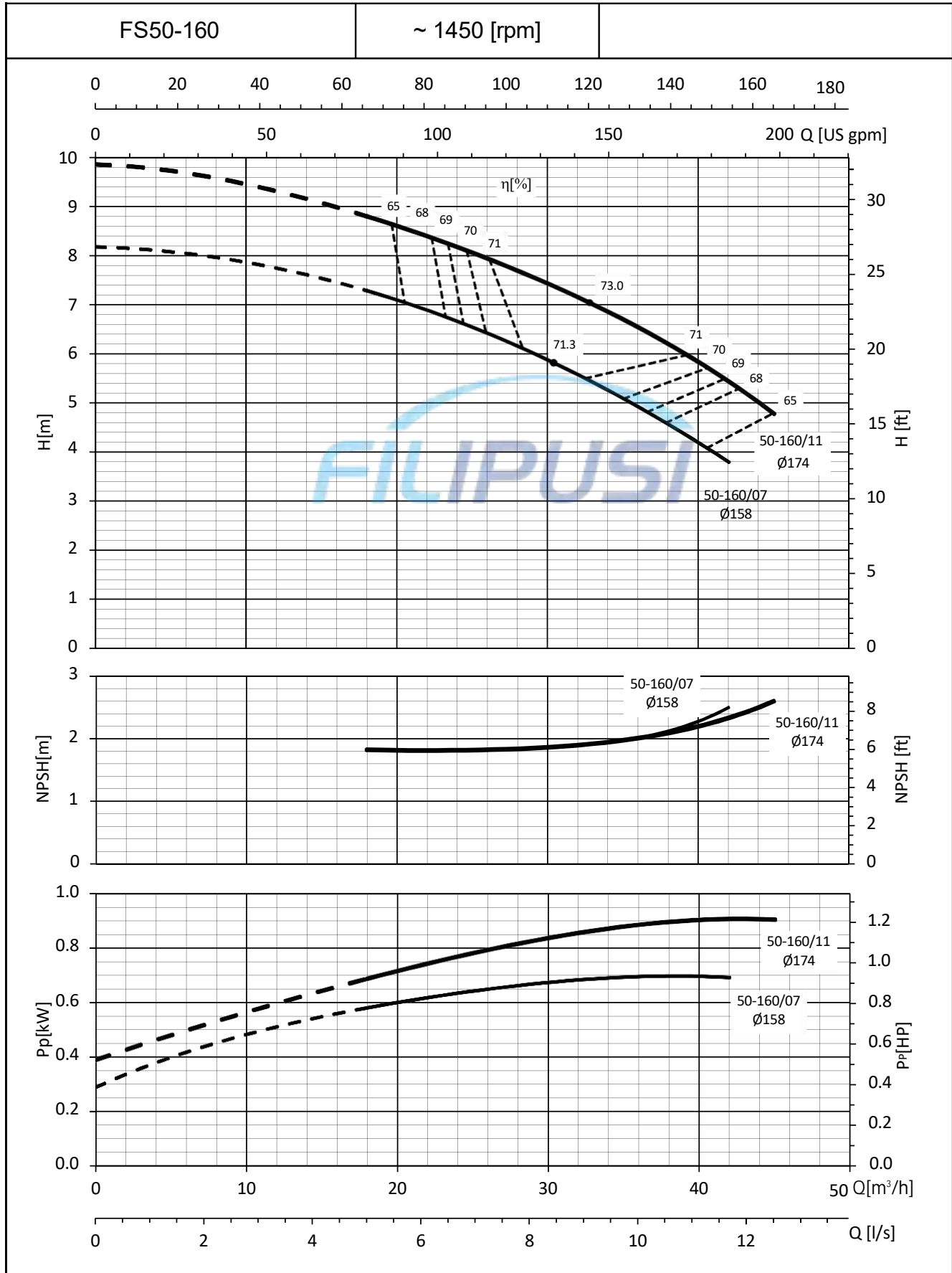
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



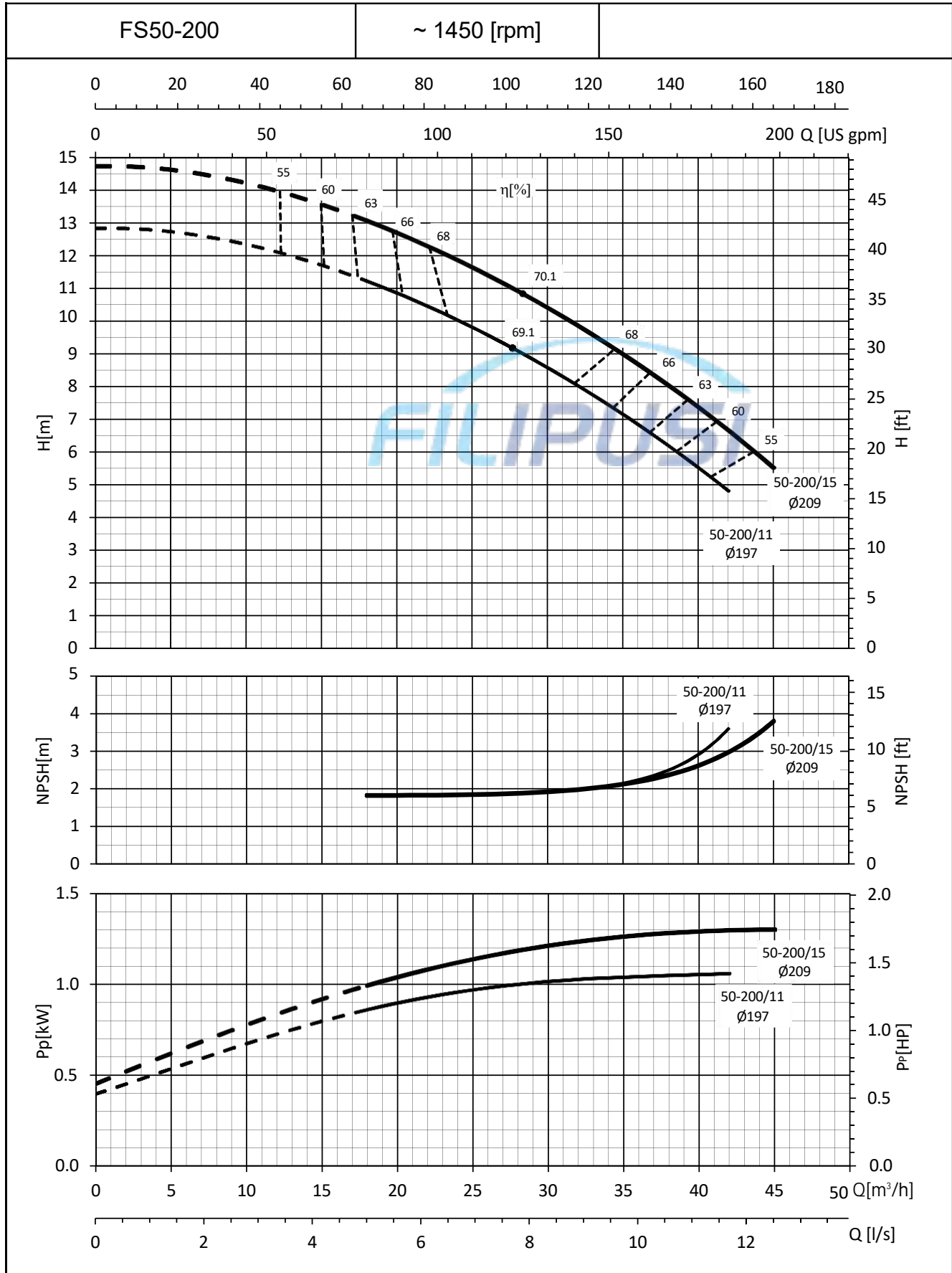
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



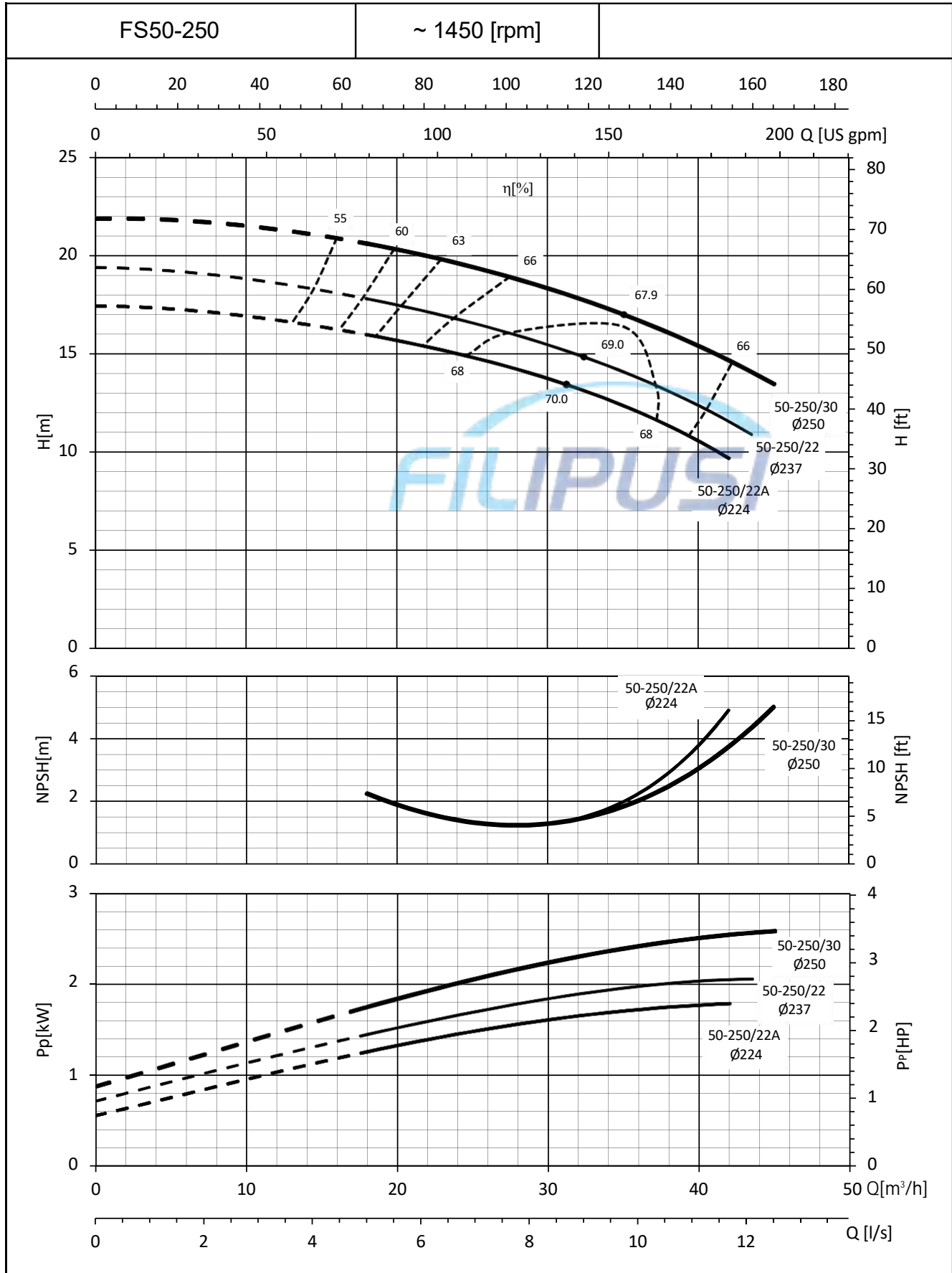
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



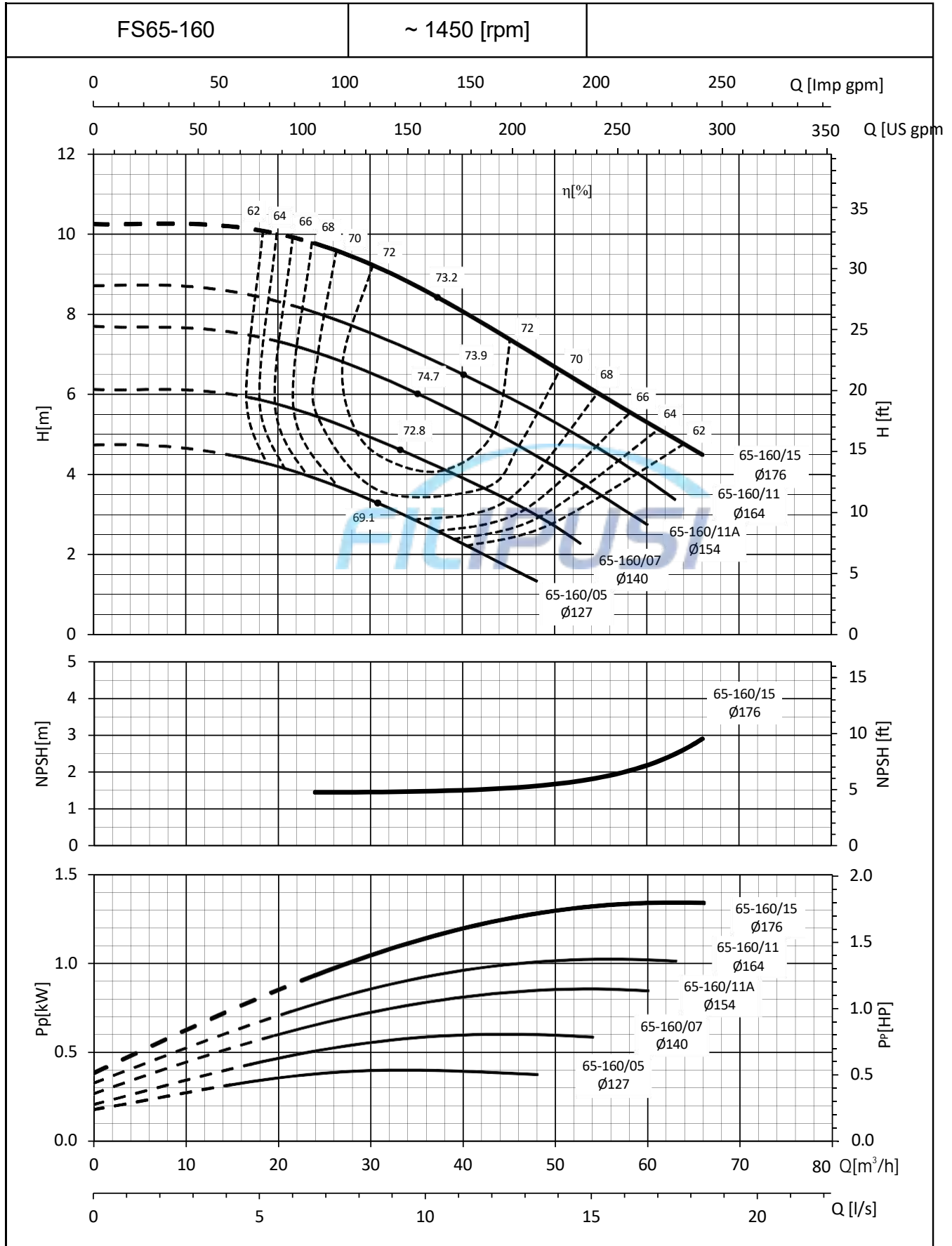
FS50-200 OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



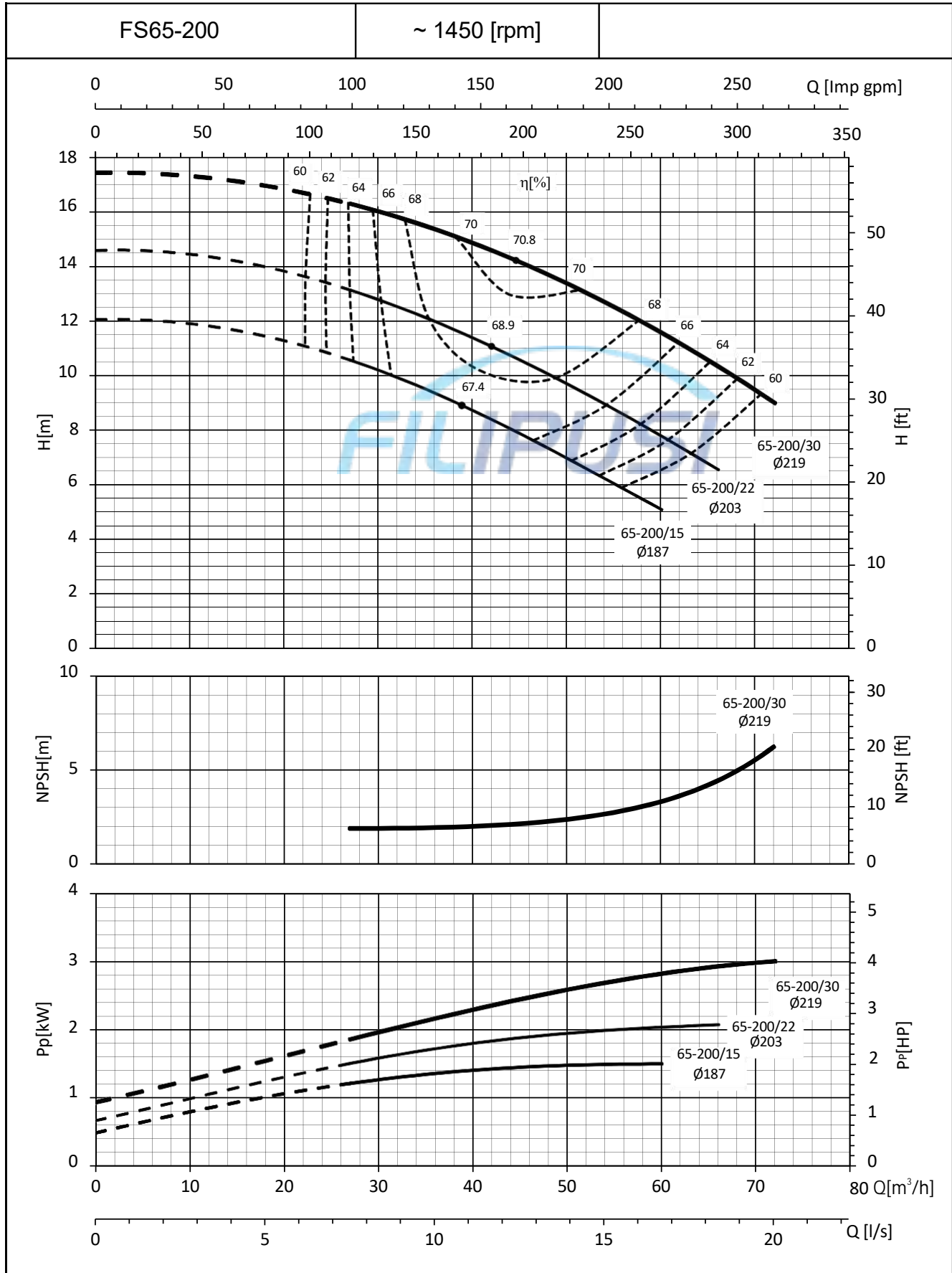
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



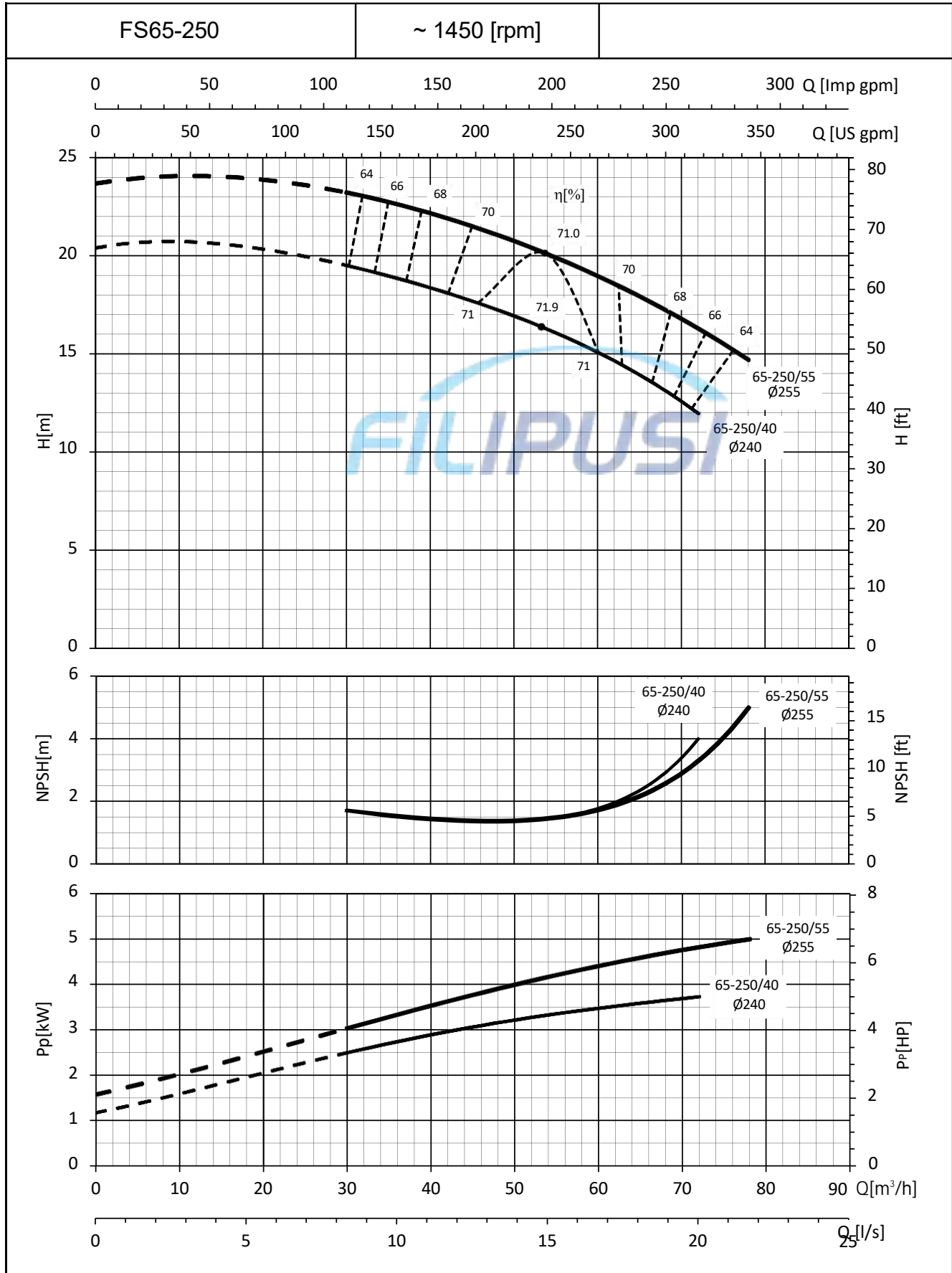
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



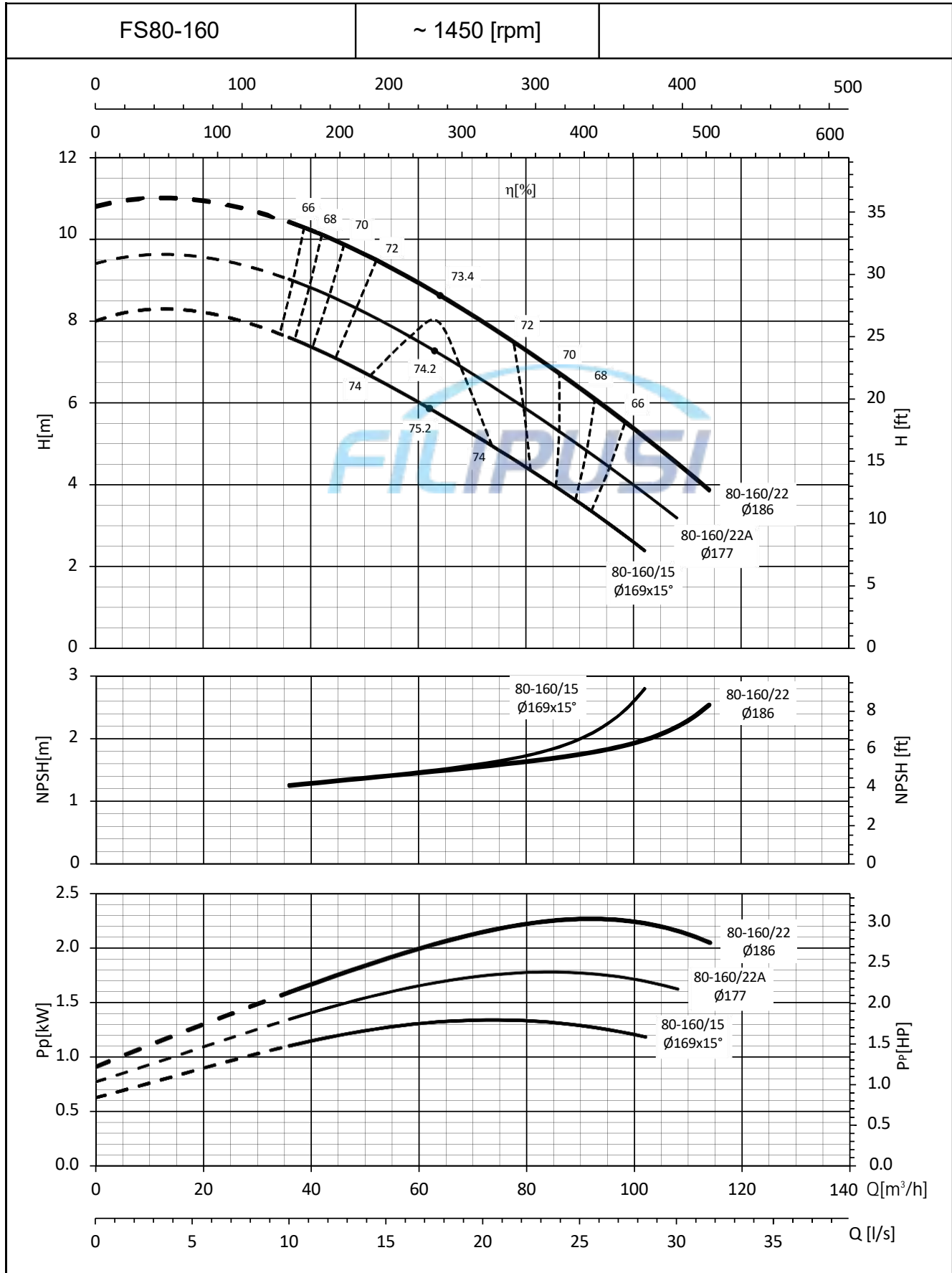
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



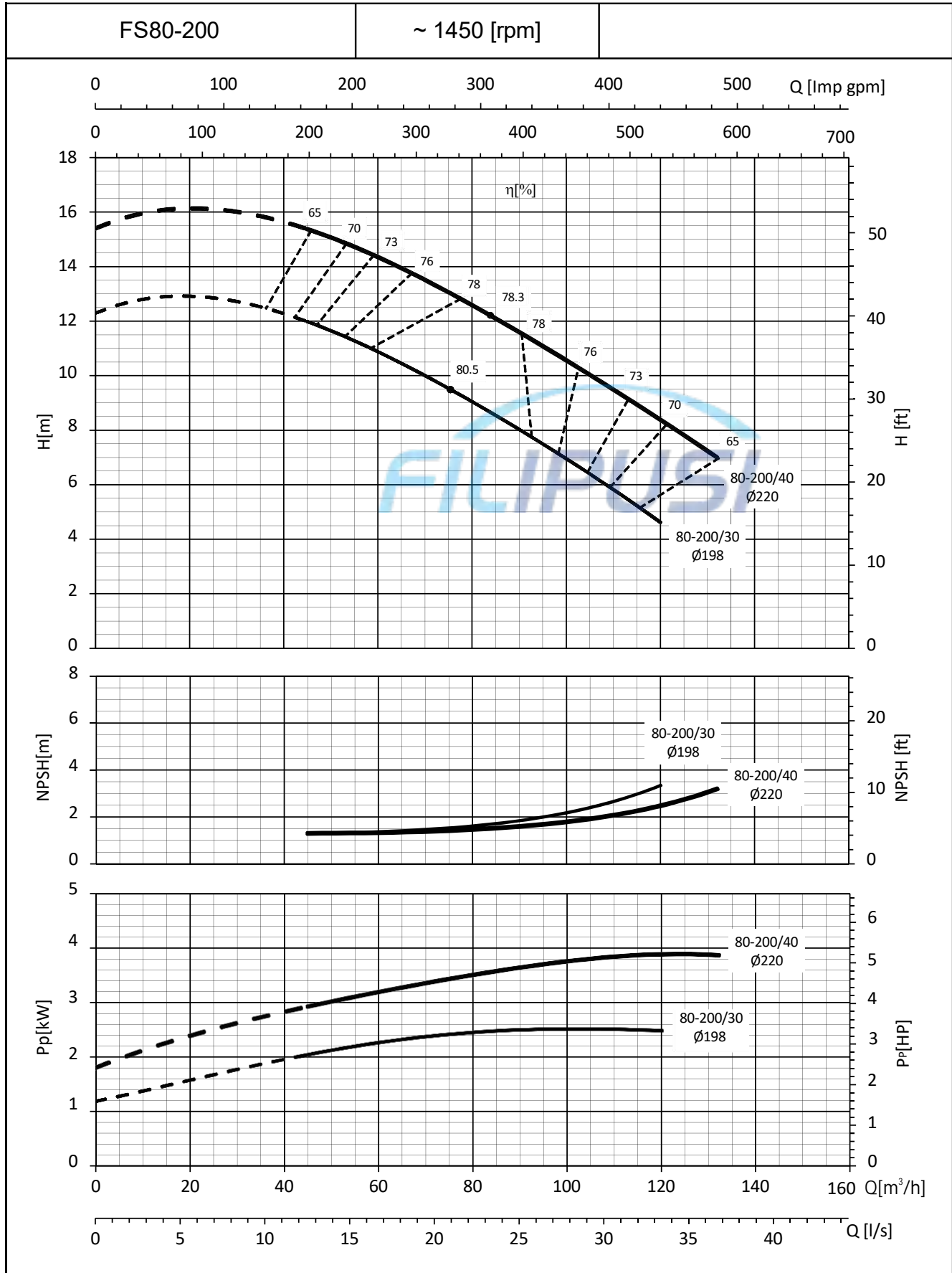
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



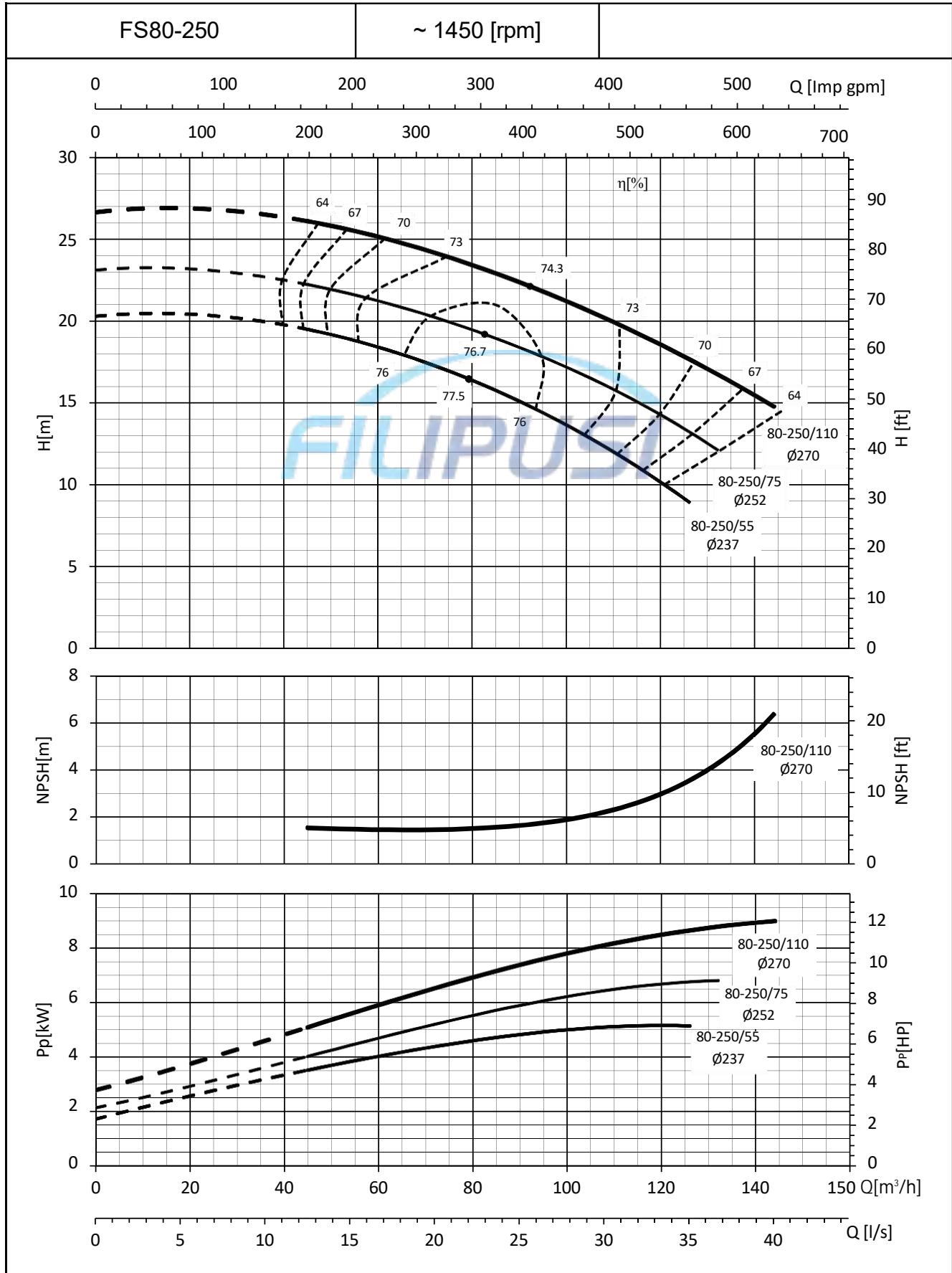
FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

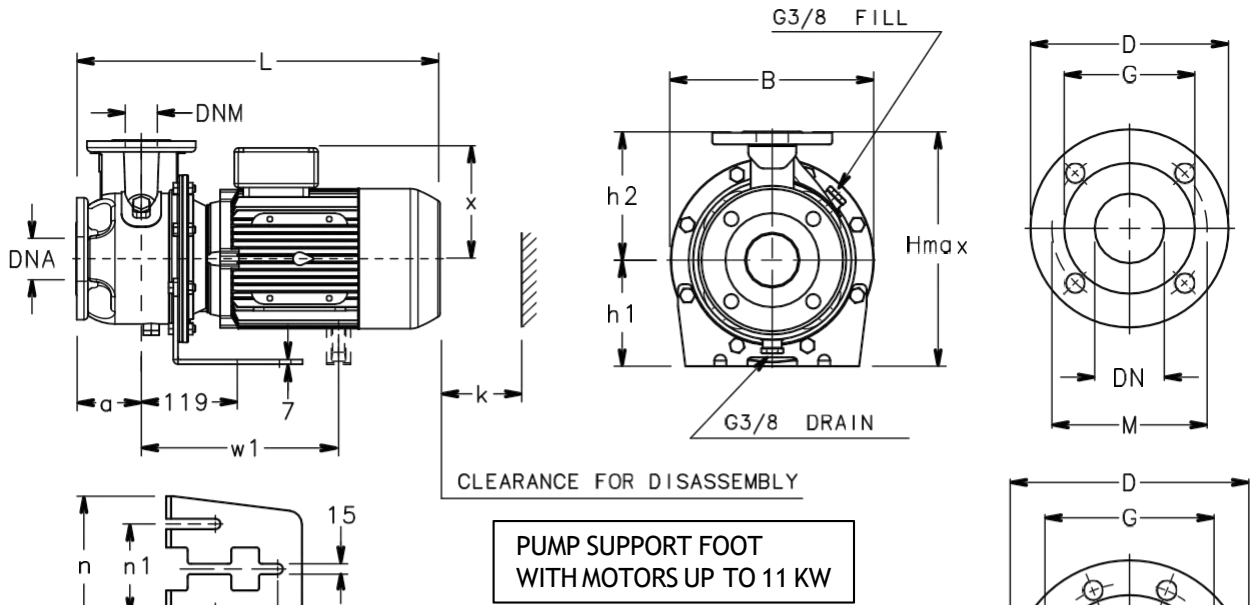


FS SERIES OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES



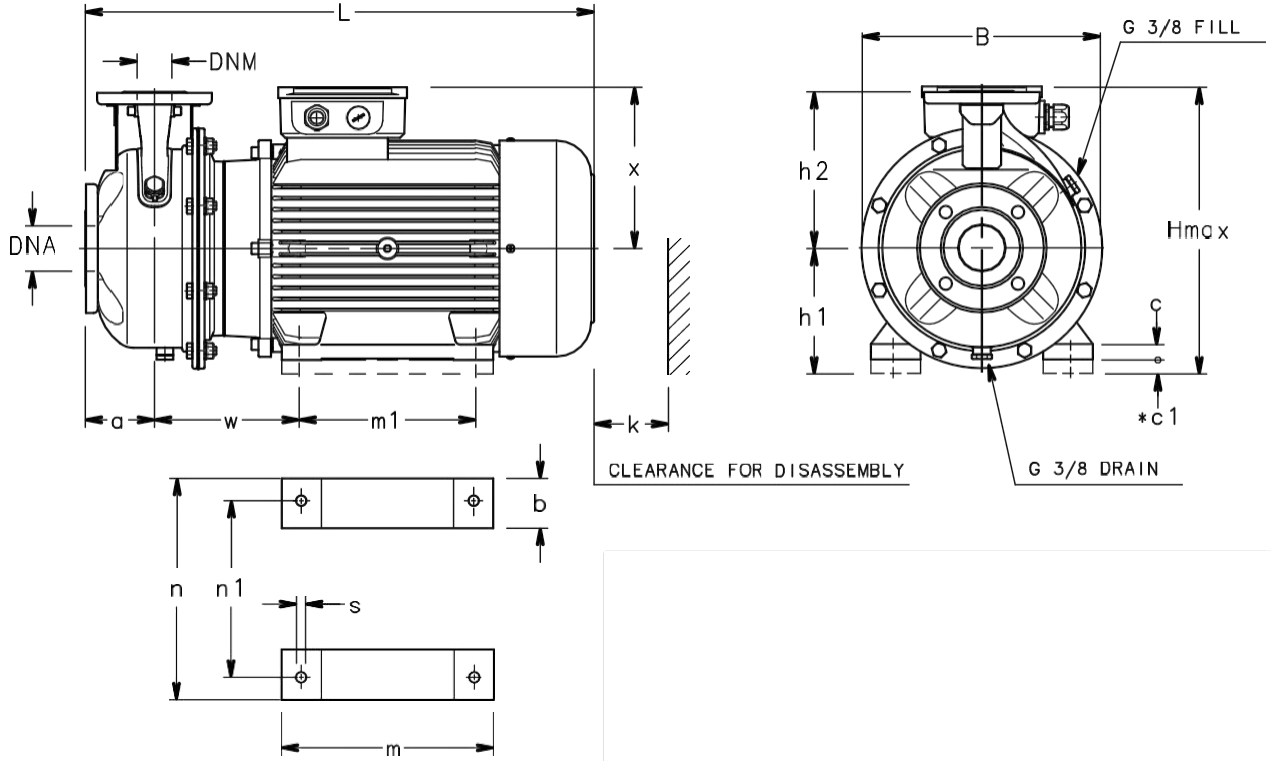
DIMENSIONS AND WEIGHTS

FS SERIES DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES



PUMP FLANGES

DN	D	M	G	HOLES		MAX. THICKNESS
				Nº	DIA.	
25	115	85	56	4	18	16
32	140	100	64	4	18	16
40	150	110	68	4	18	16
50	165	125	83	4	18	18
65	185	145	104	4	18	18
80	200	160	116	8	18	20
100	225	180	142	8	18	20

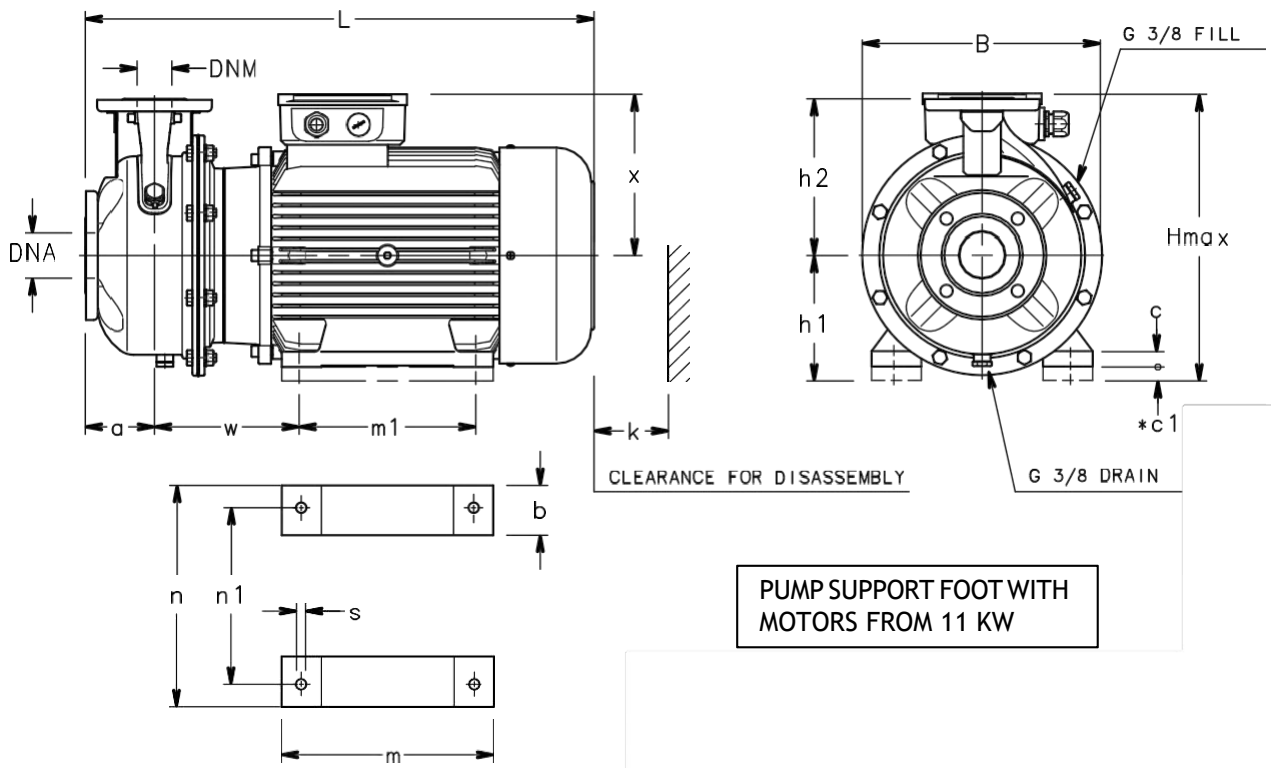
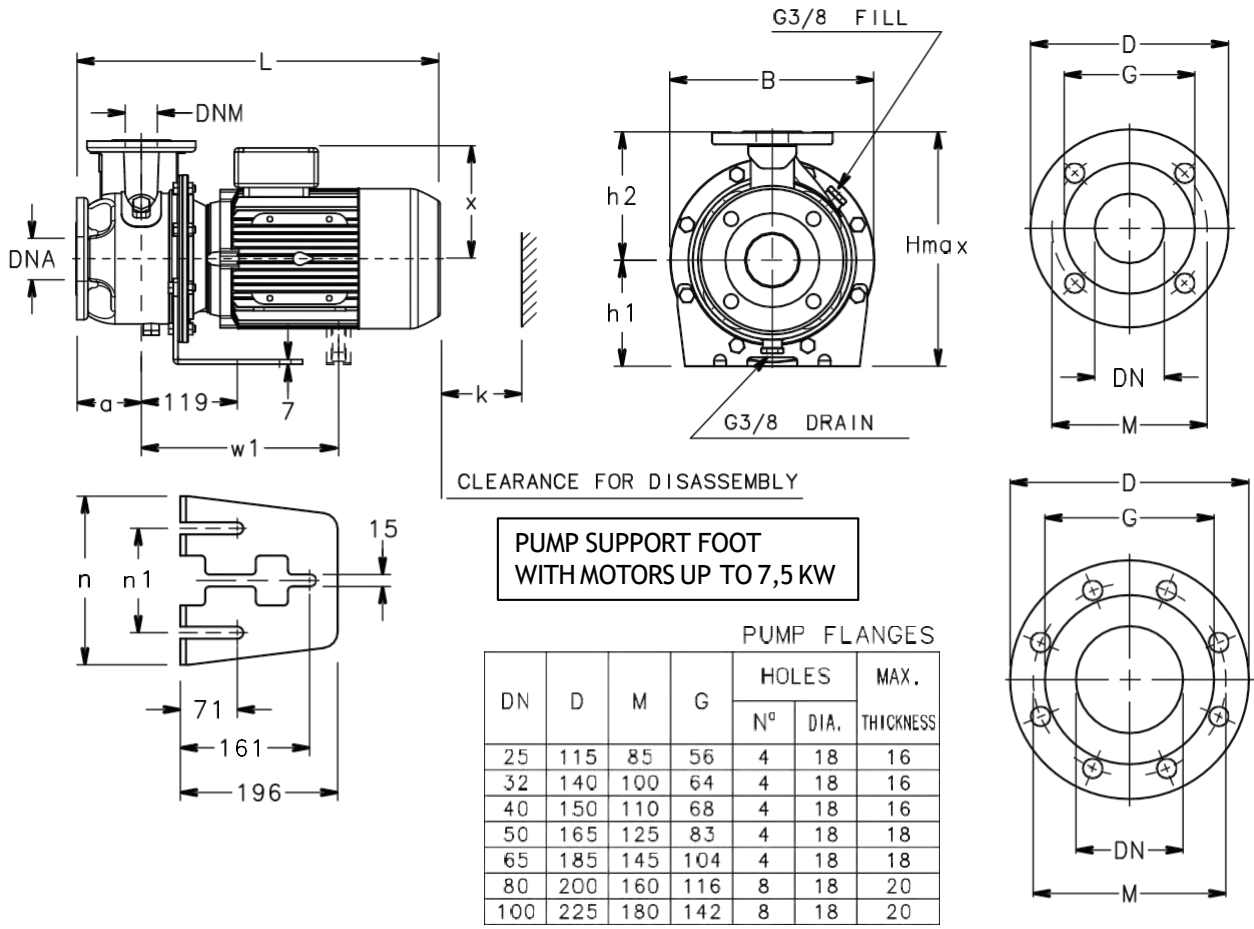


FS SERIES

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

PUMP TYPE	DIMENSIONS (mm)																			B	H	L	k	WEIGHT kg
	PUMP									SUPPORT														
	DNM	DNA	a	h2	w	w1	x	b	c	*c1	h1	m	m1	n	n1	s	max							
25-125/07/S	25	50	80	140	-	-	129	-	-	-	160	-	-	190	130	-	218	300	443	98	18,6			
25-125/11/S	25	50	80	140	-	-	129	-	-	-	160	-	-	190	130	-	218	300	443	98	20,6			
25-160/15/S	25	50	80	160	-	-	129	-	-	-	160	-	-	210	130	-	253	320	443	98	24,4			
25-160/22/P	25	50	80	160	-	-	134	-	-	-	160	-	-	210	130	-	253	320	478	98	29			
25-200/30/P	25	50	80	180	-	-	134	-	-	-	160	-	-	230	130	-	284	340	478	98	38			
25-200/40/P	25	50	80	180	-	-	154	-	-	-	160	-	-	230	130	-	284	340	499	98	41			
25-250/55/P	25	50	100	225	-	-	168	-	-	-	180	-	-	265	130	-	345	405	553	98	66			
25-250/75/P	25	50	100	225	-	305	191	-	-	-	180	-	-	265	130	-	345	405	567	98	84			
25-250/110/P	25	50	100	225	-	343	191	-	-	-	180	-	-	265	130	-	345	405	605	98	92			
32-125/07/S	32	50	80	140	-	-	129	-	-	-	112	-	-	190	130	-	218	252	443	98	18,6			
32-125/11/S	32	50	80	140	-	-	129	-	-	-	112	-	-	190	130	-	218	252	443	98	20,6			
32-160/15/S	32	50	80	160	-	-	129	-	-	-	132	-	-	210	130	-	253	292	443	98	24,4			
32-160/22/P	32	50	80	160	-	-	134	-	-	-	132	-	-	210	130	-	253	292	478	98	29			
32-200/30/P	32	50	80	180	-	-	134	-	-	-	160	-	-	230	130	-	284	340	478	98	38			
32-200/40/P	32	50	80	180	-	-	154	-	-	-	160	-	-	230	130	-	284	340	499	98	41			
32-250/55/P	32	50	100	225	-	-	168	-	-	-	180	-	-	265	130	-	345	405	553	98	66			
32-250/75/P	32	50	100	225	-	305	191	-	-	-	180	-	-	265	130	-	345	405	567	98	84			
32-250/110/P	32	50	100	225	-	343	191	-	-	-	180	-	-	265	130	-	345	405	605	98	92			
40-125/11/S	40	65	80	140	-	-	129	-	-	-	112	-	-	190	130	-	218	252	443	100	21,6			
40-125/15/S	40	65	80	140	-	-	129	-	-	-	112	-	-	190	130	-	218	252	443	100	22,4			
40-125/22/P	40	65	80	140	-	-	134	-	-	-	112	-	-	190	130	-	218	252	478	100	30			
40-160/30/P	40	65	80	160	-	-	134	-	-	-	132	-	-	210	130	-	253	292	478	100	32			
40-160/40/P	40	65	80	160	-	-	154	-	-	-	132	-	-	210	130	-	253	292	499	100	40			
40-200/55/P	40	65	100	180	-	-	168	-	-	-	160	-	-	230	130	-	284	340	553	100	52			
40-200/75/P	40	65	100	180	-	305	191	-	-	-	160	-	-	230	130	-	284	340	567	100	65			
40-250/92/P	40	65	100	225	-	343	191	-	-	-	180	-	-	265	130	-	345	405	605	107	89			
40-250/110/P	40	65	100	225	-	343	191	-	-	-	180	-	-	265	130	-	345	405	605	107	94			
40-250/150/P	40	65	100	225	208	-	240	49	5	20	180	304	210	304	254	15	345	420	694	107	130			
50-125/22/P	50	65	100	160	-	-	134	-	-	-	132	-	-	210	130	-	253	292	498	104	30			
50-125/30/P	50	65	100	160	-	-	134	-	-	-	132	-	-	210	130	-	253	292	498	104	33			
50-125/40/P	50	65	100	160	-	-	154	-	-	-	132	-	-	210	130	-	253	292	519	104	40			
50-160/55/P	50	65	100	180	-	-	168	-	-	-	160	-	-	210	130	-	253	340	553	104	52			
50-160/75/P	50	65	100	180	-	305	191	-	-	-	160	-	-	210	130	-	253	351	567	104	67			
50-200/92/P	50	65	100	200	-	343	191	-	-	-	160	-	-	245	130	-	310	360	605	104	84			
50-200/110/P	50	65	100	200	-	343	191	-	-	-	160	-	-	245	130	-	310	360	605	104	88			
50-250/150/P	50	65	100	225	208	-	240	49	5	20	180	304	210	304	254	15	345	420	694	107	131			
50-250/185/P	50	65	100	225	208	-	240	49	5	20	180	304	254	304	254	15	345	420	694	107	144			
50-250/220/P	50	65	100	225	208	-	240	49	5	20	180	304	254	304	254	15	345	420	694	107	147			
65-160/40/P	65	80	100	200	-	-	154	-	-	-	160	-	-	245	130	-	310	360	519	130	56			
65-160/55/P	65	80	100	200	-	-	168	-	-	-	160	-	-	245	130	-	310	360	553	130	63			
65-160/75/P	65	80	100	200	-	305	191	-	-	-	160	-	-	245	130	-	310	360	567	130	80			
65-160/92/P	65	80	100	200	-	343	191	-	-	-	160	-	-	245	130	-	310	360	605	130	95			
65-160/110/P	65	80	100	200	-	343	191	-	-	-	160	-	-	245	130	-	310	360	605	130	102			
65-200/150/P	65	80	100	225	208	-	240	49	5	20	180	304	210	304	254	15	310	420	694	130	131			
65-200/185/P	65	80	100	225	208	-	240	49	5	20	180	304	254	304	254	15	310	420	694	130	141			
65-200/220/P	65	80	100	225	208	-	240	49	5	20	180	304	254	304	254	15	310	420	694	130	151			
80-160/110/P	80	100	125	225	-	343	191	-	-	-	180	-	-	265	130	-	345	405	630	160	94			
80-160/150/P	80	100	125	225	208	-	240	49	5	20	180	304	210	304	254	15	345	420	719	160	128			
80-160/185/P	80	100	125	225	208	-	240	49	5	20	180	304	254	304	254	15	345	420	719	160	139			
80-200/220/P	80	100	125	250	208	-	240	49	5	20	180	304	254	304	254	15	345	430	719	160	156			

FS SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 4 POLES

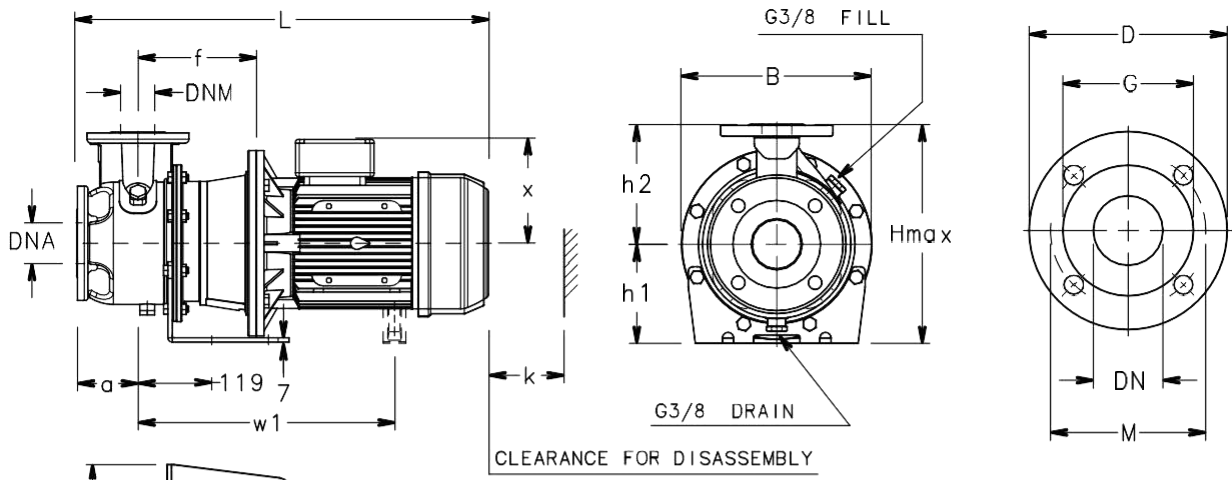


FS SERIES

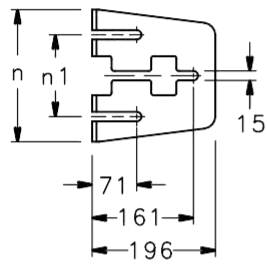
DIMENSIONS AND WEIGHTS AT 50 Hz, 4 POLES

PUMP TYPE	DIMENSIONS (mm)																	WEIGHT kg			
	PUMP										SUPPORT					B	H max		L	k	
	DNM	DNA	a	h2	w	w1	x	b	c	*c1	h1	m	m1	n	n1						s
25-125/02A/X	25	50	80	140	-	-	110	-	-	-	160	-	-	190	130	-	218	300	393	98	14
25-125/02/X	25	50	80	140	-	-	110	-	-	-	160	-	-	190	130	-	218	300	393	98	15
25-160/02A/X	25	50	80	160	-	-	110	-	-	-	160	-	-	210	130	-	253	320	393	98	17
25-160/02/X	25	50	80	160	-	-	110	-	-	-	160	-	-	210	130	-	253	320	393	98	18
25-200/03/X	25	50	80	180	-	-	110	-	-	-	160	-	-	230	130	-	284	340	393	98	24
25-200/05/X	25	50	80	180	-	-	128	-	-	-	160	-	-	230	130	-	284	340	411	98	26
25-250/07/X	25	50	100	225	-	-	128	-	-	-	180	-	-	265	130	-	345	405	431	98	42
25-250/11/P	25	50	100	225	-	-	134	-	-	-	180	-	-	265	130	-	345	405	498	98	49
25-250/15/P	25	50	100	225	-	-	134	-	-	-	180	-	-	265	130	-	345	405	498	98	51
32-125/02A/X	32	50	80	140	-	-	110	-	-	-	112	-	-	190	130	-	218	252	393	98	14
32-125/02/X	32	50	80	140	-	-	110	-	-	-	112	-	-	190	130	-	218	252	393	98	15
32-160/02A/X	32	50	80	160	-	-	110	-	-	-	132	-	-	210	130	-	253	292	393	98	17
32-160/02/X	32	50	80	160	-	-	110	-	-	-	132	-	-	210	130	-	253	292	393	98	18
32-200/03/X	32	50	80	180	-	-	110	-	-	-	160	-	-	230	130	-	284	340	393	98	24
32-200/05/X	32	50	80	180	-	-	128	-	-	-	160	-	-	230	130	-	284	340	411	98	26
32-250/07/X	32	50	100	225	-	-	128	-	-	-	180	-	-	265	130	-	345	405	431	98	42
32-250/11/P	32	50	100	225	-	-	134	-	-	-	180	-	-	265	130	-	345	405	498	98	49
32-250/15/P	32	50	100	225	-	-	134	-	-	-	180	-	-	265	130	-	345	405	498	98	51
40-125/02A/X	40	65	80	140	-	-	110	-	-	-	112	-	-	190	130	-	218	252	393	100	15
40-125/02/X	40	65	80	140	-	-	110	-	-	-	112	-	-	190	130	-	218	252	393	100	16
40-160/03/X	40	65	80	160	-	-	110	-	-	-	132	-	-	210	130	-	253	292	393	100	18
40-160/05/X	40	65	80	160	-	-	128	-	-	-	132	-	-	210	130	-	253	292	411	100	23
40-200/07/X	40	65	100	180	-	-	128	-	-	-	160	-	-	230	130	-	285	340	431	100	27
40-200/11/P	40	65	100	180	-	-	134	-	-	-	160	-	-	230	130	-	285	340	498	100	35
40-250/11/P	40	65	100	225	-	-	134	-	-	-	180	-	-	265	130	-	345	405	498	107	47
40-250/15/P	40	65	100	225	-	-	134	-	-	-	180	-	-	265	130	-	345	405	498	107	61
40-250/22/P	40	65	100	225	-	-	168	-	-	-	180	-	-	265	130	-	345	405	522	107	65
50-125/02/X	50	65	100	160	-	-	110	-	-	-	132	-	-	210	130	-	253	292	413	104	19
50-125/03/X	50	65	100	160	-	-	110	-	-	-	132	-	-	210	130	-	253	292	413	104	18
50-125/05/X	50	65	100	160	-	-	128	-	-	-	132	-	-	210	130	-	253	292	413	104	25
50-160/07/X	50	65	100	180	-	-	128	-	-	-	160	-	-	210	130	-	253	340	431	104	30
50-160/11/P	50	65	100	180	-	-	134	-	-	-	160	-	-	210	130	-	253	340	498	104	40
50-200/11/P	50	65	100	200	-	-	134	-	-	-	160	-	-	245	130	-	310	360	498	104	48
50-200/15/P	50	65	100	200	-	-	134	-	-	-	160	-	-	245	130	-	310	360	498	104	51
50-250/22A/P	50	65	100	225	-	-	168	-	-	-	180	-	-	265	130	-	345	405	522	107	56
50-250/22/P	50	65	100	225	-	-	168	-	-	-	180	-	-	265	130	-	345	405	522	107	56
50-250/30/P	50	65	100	225	-	-	168	-	-	-	180	-	-	265	130	-	345	405	553	107	62
65-160/05/X	65	80	100	200	-	-	128	-	-	-	160	-	-	245	130	-	310	360	431	130	31
65-160/07/X	65	80	100	200	-	-	128	-	-	-	160	-	-	245	130	-	310	360	431	130	36
65-160/11A/P	65	80	100	200	-	-	134	-	-	-	160	-	-	245	130	-	310	360	498	130	44
65-160/11/P	65	80	100	200	-	-	134	-	-	-	160	-	-	245	130	-	310	360	498	130	45
65-160/15/P	65	80	100	200	-	-	134	-	-	-	160	-	-	245	130	-	310	360	498	130	48
65-200/15/P	65	80	100	225	-	-	134	-	-	-	180	-	-	245	130	-	310	405	498	130	56
65-200/22/P	65	80	100	225	-	-	168	-	-	-	180	-	-	245	130	-	310	405	522	130	64
65-200/30/P	65	80	100	225	-	-	168	-	-	-	180	-	-	245	130	-	310	405	553	130	64
65-250/40/P	65	80	100	250	-	315	168	-	-	-	200	-	-	265	130	-	345	450	598	140	84
65-250/55/P	65	80	100	250	-	343	191	-	-	-	200	-	-	265	130	-	345	450	605	140	97
80-160/15/P	80	100	125	225	-	-	134	-	-	-	180	-	-	265	130	-	345	405	523	160	55
80-160/22A/P	80	100	125	225	-	-	168	-	-	-	180	-	-	265	130	-	345	405	547	160	63
80-160/22/P	80	100	125	225	-	-	168	-	-	-	180	-	-	265	130	-	345	405	547	160	66
80-200/30/P	80	100	125	250	-	-	168	-	-	-	180	-	-	265	130	-	345	430	578	160	69
80-200/40/P	80	100	125	250	-	315	168	-	-	-	180	-	-	265	130	-	345	430	623	160	88
80-250/55/P	80	100	125	280	-	343	191	-	-	-	200	-	-	303	210	-	383	480	630	160	102
80-250/75/P	80	100	125	280	-	343	191	-	-	-	200	-	-	303	210	-	383	480	630	160	106
80-250/110/P	80	100	125	280	208	-	240	49	5	40	200	304	210	304	254	15	383	480	719	160	145

FS SERIES DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

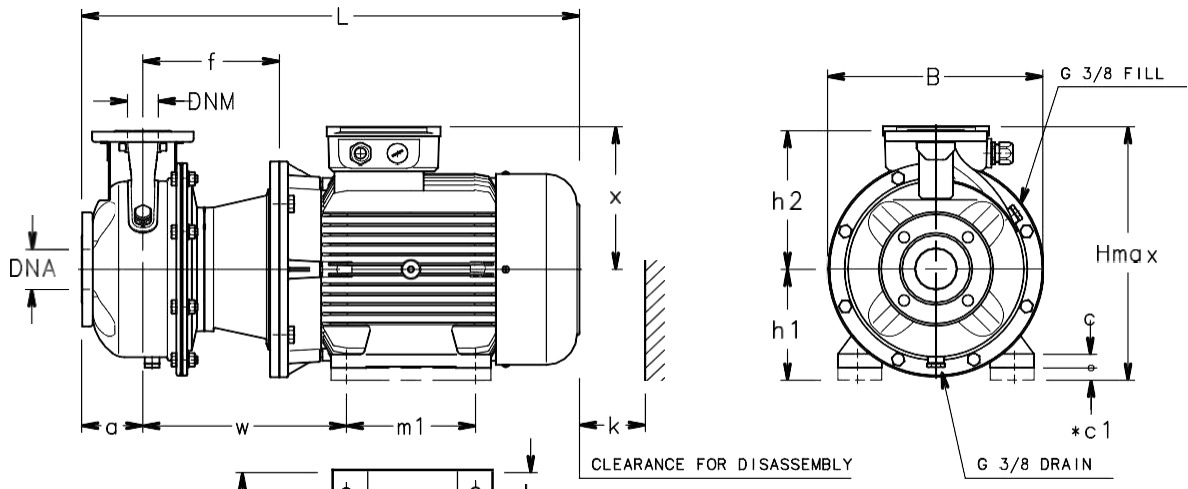
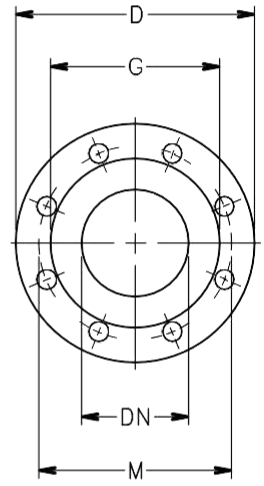


**PUMP SUPPORT FOOT
WITH MOTORS UP TO 7,5 KW**

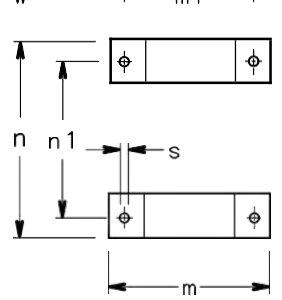


PUMP FLANGES

DN	D	M	G	HOLES		MAX. THICKNESS
				N°	DIA.	
25	115	85	56	4	18	16
32	140	100	64	4	18	16
40	150	110	68	4	18	16
50	165	125	83	4	18	18
65	185	145	104	4	18	18
80	200	160	116	8	18	20
100	225	180	142	8	18	20



**PUMP SUPPORT FOOT WITH
MOTORS FROM 11 TO 37 KW**

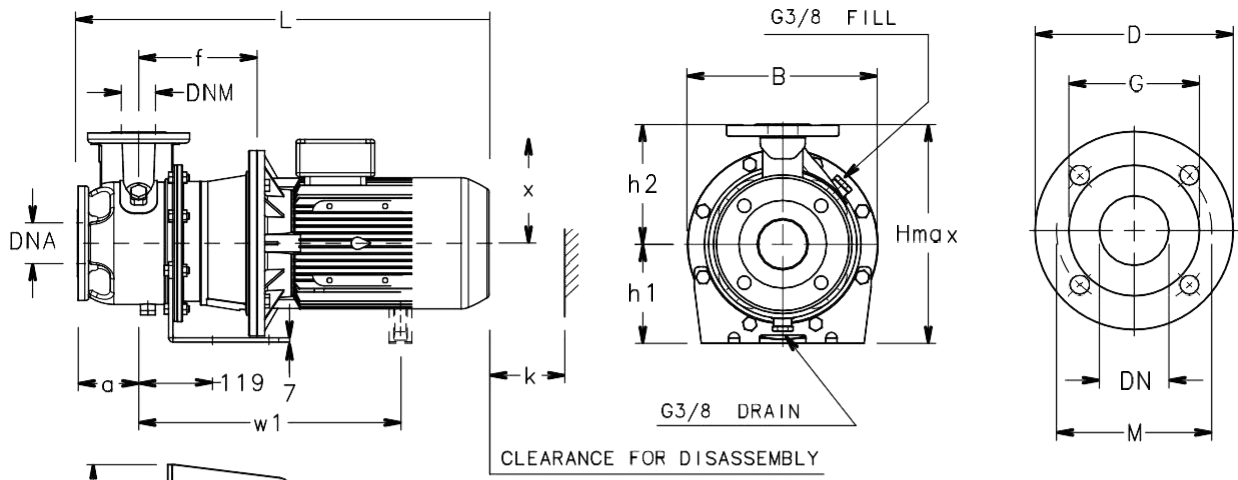


FS SERIES

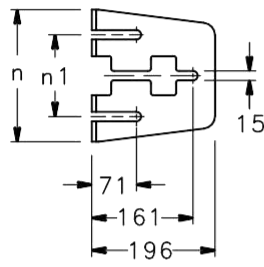
DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

PUMP TYPE	DIMENSIONS (mm)																				WEIGHT kg	
	PUMP										SUPPORT											
	DNM	DNA	a	f	h2	w	w1	x	b	c	*c1	h1	m	m1	n	n1	s	B	H	L		k
25-125/07/S	25	50	80	155	140	-	-	129	-	-	-	160	-	-	190	130	-	218	300	498	98	24
25-125/11/S	25	50	80	155	140	-	-	129	-	-	-	160	-	-	190	130	-	218	300	498	98	25
25-160/15/S	25	50	80	155	160	-	-	129	-	-	-	160	-	-	210	130	-	253	320	498	98	27
25-160/22/P	25	50	80	155	160	-	-	134	-	-	-	160	-	-	210	130	-	253	320	533	98	33
25-200/30/P	25	50	80	165	180	-	-	134	-	-	-	160	-	-	230	130	-	284	340	543	98	44
25-200/40/P	25	50	80	165	180	-	-	154	-	-	-	160	-	-	230	130	-	284	340	564	98	51
25-250/55/P	25	50	100	192	225	-	399	168	-	-	-	180	-	-	265	130	-	345	405	667	98	77
25-250/75/P	25	50	100	192	225	-	397	191	-	-	-	180	-	-	265	130	-	345	405	659	98	91
25-250/110/P	25	50	100	222	225	330	-	240	49	5	20	180	304	210	304	254	15	350	420	816	98	130
32-125/07/S	32	50	80	155	140	-	-	129	-	-	-	112	-	-	190	130	-	218	252	498	98	24
32-125/11/S	32	50	80	155	140	-	-	129	-	-	-	112	-	-	190	130	-	218	252	498	98	25
32-160/15/S	32	50	80	155	160	-	-	129	-	-	-	132	-	-	210	130	-	253	292	498	98	27
32-160/22/P	32	50	80	155	160	-	-	134	-	-	-	132	-	-	210	130	-	253	292	533	98	33
32-200/30/P	32	50	80	165	180	-	-	134	-	-	-	160	-	-	230	130	-	284	340	543	98	44
32-200/40/P	32	50	80	165	180	-	-	154	-	-	-	160	-	-	230	130	-	284	340	564	98	51
32-250/55/P	32	50	100	192	225	-	399	168	-	-	-	180	-	-	265	130	-	345	405	667	98	77
32-250/75/P	32	50	100	192	225	-	397	191	-	-	-	180	-	-	265	130	-	345	405	659	98	91
32-250/110/P	32	50	100	222	225	330	-	240	49	5	20	180	304	210	304	254	15	350	420	816	98	130
40-125/11/S	40	65	80	155	140	-	-	129	-	-	-	112	-	-	190	130	-	218	252	498	100	26
40-125/15/S	40	65	80	155	140	-	-	129	-	-	-	112	-	-	190	130	-	218	252	498	100	26
40-125/22/P	40	65	80	155	140	-	-	134	-	-	-	112	-	-	190	130	-	218	252	533	100	32
40-160/30/P	40	65	80	165	160	-	-	134	-	-	-	132	-	-	210	130	-	253	292	543	100	42
40-160/40/P	40	65	80	165	160	-	-	154	-	-	-	132	-	-	210	130	-	253	292	564	100	48
40-200/55/P	40	65	100	192	180	-	399	168	-	-	-	160	-	-	230	130	-	300	340	667	100	63
40-200/75/P	40	65	100	192	180	-	397	191	-	-	-	160	-	-	230	130	-	300	351	659	100	80
40-250/110A/P	40	65	100	222	225	330	-	240	49	5	20	180	304	210	304	254	15	350	420	816	107	129
40-250/110/P	40	65	100	222	225	330	-	240	49	5	20	180	304	210	304	254	15	350	420	816	107	129
40-250/150/P	40	65	100	222	225	330	-	240	49	5	20	180	304	210	304	254	15	350	420	816	107	142
50-125/22/P	50	65	100	155	160	-	-	134	-	-	-	132	-	-	210	130	-	253	292	553	104	36
50-125/30/P	50	65	100	165	160	-	-	134	-	-	-	132	-	-	210	130	-	253	292	563	104	37
50-125/40/P	50	65	100	165	160	-	-	154	-	-	-	132	-	-	210	130	-	253	292	584	104	48
50-160/55/P	50	65	100	192	180	-	399	168	-	-	-	160	-	-	210	130	-	300	340	667	104	62
50-160/75/P	50	65	100	192	180	-	397	191	-	-	-	160	-	-	210	130	-	300	351	659	104	81
50-200/110A/P	50	65	100	222	200	330	-	240	49	5	20	180	304	210	304	254	15	350	420	816	104	126
50-200/110/P	50	65	100	222	200	330	-	240	49	5	20	180	304	210	304	254	15	350	420	816	104	130
50-250/150/P	50	65	100	222	225	330	-	240	49	5	20	180	304	210	304	254	15	350	420	816	107	148
50-250/185/P	50	65	100	222	225	330	-	240	49	5	20	180	304	254	304	254	15	350	420	816	107	156
50-250/220/P	50	65	100	222	225	330	-	240	49	5	20	180	304	254	304	254	15	350	420	816	107	162
65-160/40/P	65	80	100	165	200	-	-	154	-	-	-	160	-	-	245	130	-	310	360	584	130	60
65-160/55/P	65	80	100	192	200	-	399	168	-	-	-	160	-	-	245	130	-	310	360	667	130	78
65-160/75/P	65	80	100	192	200	-	397	191	-	-	-	160	-	-	245	130	-	310	360	659	130	93
65-160/110A/P	65	80	100	222	200	330	-	240	49	5	20	180	304	210	304	254	15	350	420	816	130	116
65-160/110/P	65	80	100	222	200	330	-	240	49	5	20	180	304	210	304	254	15	350	420	816	130	120
65-200/150/P	65	80	100	222	225	330	-	240	49	5	20	180	304	210	304	254	15	350	420	816	130	147
65-200/185/P	65	80	100	222	225	330	-	240	49	5	20	180	304	254	304	254	15	350	420	816	130	153
65-200/220/P	65	80	100	222	225	330	-	240	49	5	20	180	304	254	304	254	15	350	420	816	130	167
65-250/300/L	65	80	100	228	250	361	-	285	69	27	-	200	355	305	408	318	19	408	485	999	140	260
65-250/370/L	65	80	100	228	250	361	-	285	69	27	-	200	355	305	408	318	19	408	485	999	140	276
80-160/110/P	80	100	125	222	225	330	-	240	49	5	20	180	304	210	304	254	15	350	420	841	160	116
80-160/150/P	80	100	125	222	225	330	-	240	49	5	20	180	304	210	304	254	15	350	420	841	160	152
80-160/185/P	80	100	125	222	225	330	-	240	49	5	20	180	304	254	304	254	15	350	420	841	160	160
80-200/220/P	80	100	125	222	250	330	-	240	49	5	20	180	304	254	304	254	15	350	430	841	160	162
80-200/300/L	80	100	125	228	250	361	-	285	69	27	-	200	355	305	408	318	19	408	485	999	160	260
80-200/370/L	80	100	125	228	250	361	-	285	69	27	-	200	355	305	408	318	19	408	485	999	160	276

FS SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 4 POLES

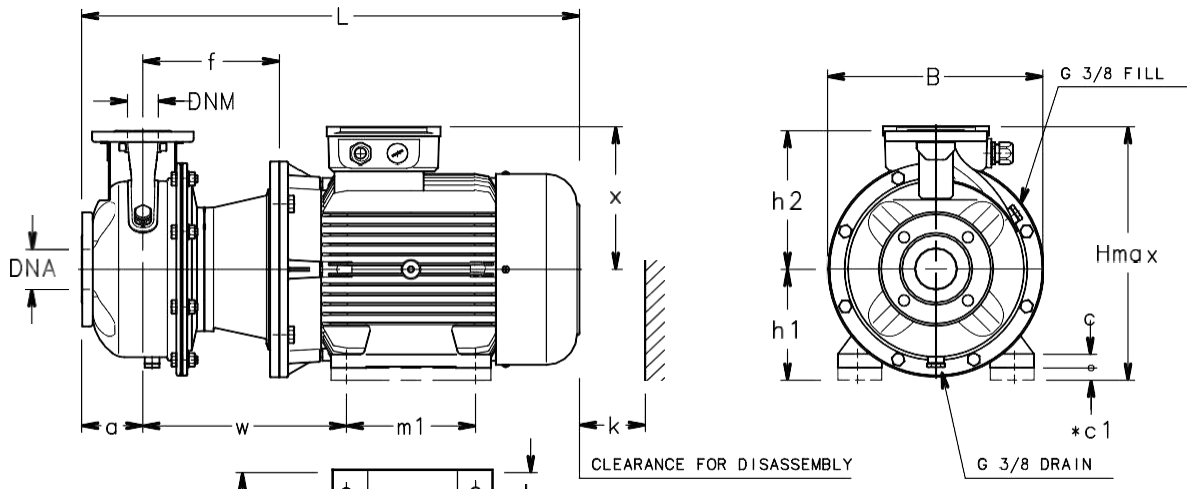
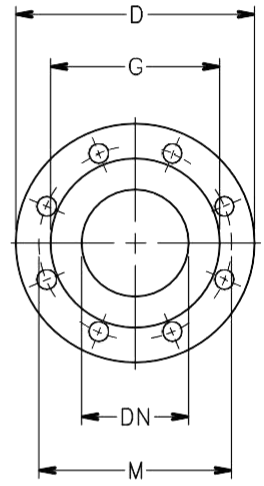


**PUMP SUPPORT FOOT
 WITH MOTORS UP TO 7,5 KW**

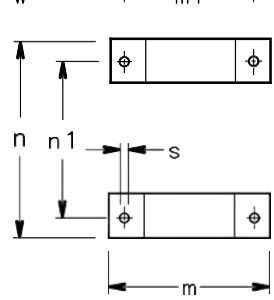


PUMP FLANGES

DN	D	M	G	HOLES		MAX. THICKNESS
				N°	DIA.	
25	115	85	56	4	18	16
32	140	100	64	4	18	16
40	150	110	68	4	18	16
50	165	125	83	4	18	18
65	185	145	104	4	18	18
80	200	160	116	8	18	20
100	225	180	142	8	18	20



**PUMP SUPPORT FOOT WITH
 MOTORS FROM 11 KW**

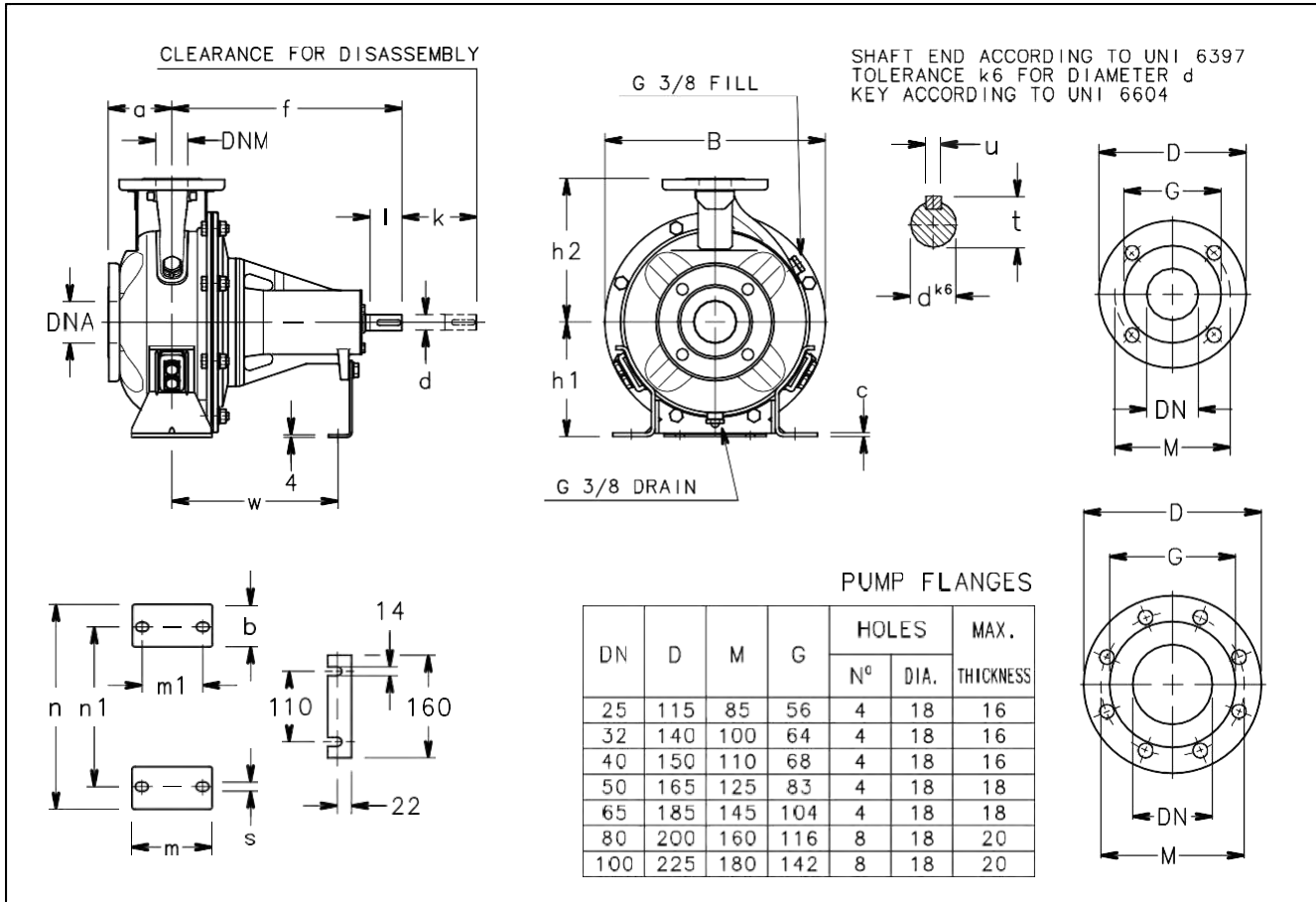


FS SERIES

DIMENSIONS AND WEIGHTS AT 50 Hz, 4 POLES

PUMP TYPE	DIMENSIONS (mm)																			WEIGHT kg				
	PUMP															SUPPORT					B	H max	L	k
	DNM	DNA	a	f	h2	w	w1	x	b	c	*c1	h1	m	m1	n	n1	s							
25-250/07/X	25	50	100	155	225	-	-	128	-	-	-	180	-	-	265	130	-	345	405	486	98	42		
25-250/11/P	25	50	100	155	225	-	-	134	-	-	-	180	-	-	265	130	-	345	405	553	98	49		
25-250/15/P	25	50	100	155	225	-	-	134	-	-	-	180	-	-	265	130	-	345	405	553	98	50		
32-250/07/X	32	50	100	155	225	-	-	128	-	-	-	180	-	-	265	130	-	345	405	486	98	42		
32-250/11/P	32	50	100	155	225	-	-	134	-	-	-	180	-	-	265	130	-	345	405	553	98	49		
32-250/15/P	32	50	100	155	225	-	-	134	-	-	-	180	-	-	265	130	-	345	405	553	98	50		
40-200/07/X	40	65	100	155	180	-	-	128	-	-	-	160	-	-	230	130	-	284	340	486	100	31		
40-200/11/P	40	65	100	155	180	-	-	134	-	-	-	160	-	-	230	130	-	284	340	553	100	37		
40-250/11/P	40	65	100	155	225	-	-	134	-	-	-	180	-	-	265	130	-	345	405	553	107	51		
40-250/15/P	40	65	100	155	225	-	-	134	-	-	-	180	-	-	265	130	-	345	405	553	107	64		
40-250/22/P	40	65	100	165	225	-	-	168	-	-	-	180	-	-	265	130	-	345	405	587	107	68		
50-160/07/X	50	65	100	155	180	-	-	128	-	-	-	160	-	-	210	130	-	253	340	486	104	30		
50-160/11/P	50	65	100	155	180	-	-	134	-	-	-	160	-	-	210	130	-	253	340	553	104	36		
50-200/11/P	50	65	100	155	200	-	-	134	-	-	-	160	-	-	245	130	-	310	360	553	104	49		
50-200/15/P	50	65	100	155	200	-	-	134	-	-	-	160	-	-	245	130	-	310	360	553	104	52		
50-250/22A/P	50	65	100	165	225	-	-	168	-	-	-	180	-	-	265	130	-	345	405	587	107	58		
50-250/22/P	50	65	100	165	225	-	-	168	-	-	-	180	-	-	265	130	-	345	405	587	107	59		
50-250/30/P	50	65	100	165	225	-	-	168	-	-	-	180	-	-	265	130	-	345	405	618	107	65		
65-160/05/X	65	80	100	155	200	-	-	128	-	-	-	160	-	-	245	130	-	310	360	486	130	33		
65-160/07/X	65	80	100	155	200	-	-	128	-	-	-	160	-	-	245	130	-	310	360	486	130	38		
65-160/11A/P	65	80	100	155	200	-	-	134	-	-	-	160	-	-	245	130	-	310	360	553	130	46		
65-160/11/P	65	80	100	155	200	-	-	134	-	-	-	160	-	-	245	130	-	310	360	553	130	48		
65-160/15/P	65	80	100	155	200	-	-	134	-	-	-	160	-	-	245	130	-	310	360	553	130	51		
65-200/15/P	65	80	100	155	225	-	-	134	-	-	-	180	-	-	245	130	-	310	405	553	130	54		
65-200/22/P	65	80	100	165	225	-	-	168	-	-	-	180	-	-	245	130	-	310	405	587	130	71		
65-200/30/P	65	80	100	165	225	-	-	168	-	-	-	180	-	-	245	130	-	310	405	618	130	72		
65-250/40/P	65	80	100	165	250	-	380	168	-	-	-	200	-	-	265	130	-	345	450	663	140	97		
65-250/55/P	65	80	100	192	250	-	435	191	-	-	-	200	-	-	265	130	-	345	450	697	140	104		
80-160/15/P	80	100	125	155	225	-	-	134	-	-	-	180	-	-	265	130	-	345	405	578	160	59		
80-160/22A/P	80	100	125	165	225	-	-	168	-	-	-	180	-	-	265	130	-	345	405	612	160	67		
80-160/22/P	80	100	125	165	225	-	-	168	-	-	-	180	-	-	265	130	-	345	405	612	160	67		
80-200/30/P	80	100	125	165	250	-	-	168	-	-	-	180	-	-	265	130	-	345	430	643	160	72		
80-200/40/P	80	100	125	165	250	-	380	168	-	-	-	180	-	-	265	130	-	345	430	688	160	88		
80-250/55/P	80	100	125	192	280	-	435	191	-	-	-	200	-	-	303	210	-	383	480	722	160	107		
80-250/75/P	80	100	125	192	280	-	435	191	-	-	-	200	-	-	303	210	-	383	480	722	160	113		
80-250/110/P	80	100	125	222	280	330	-	240	49	5	40	200	304	210	304	254	15	383	480	841	160	153		

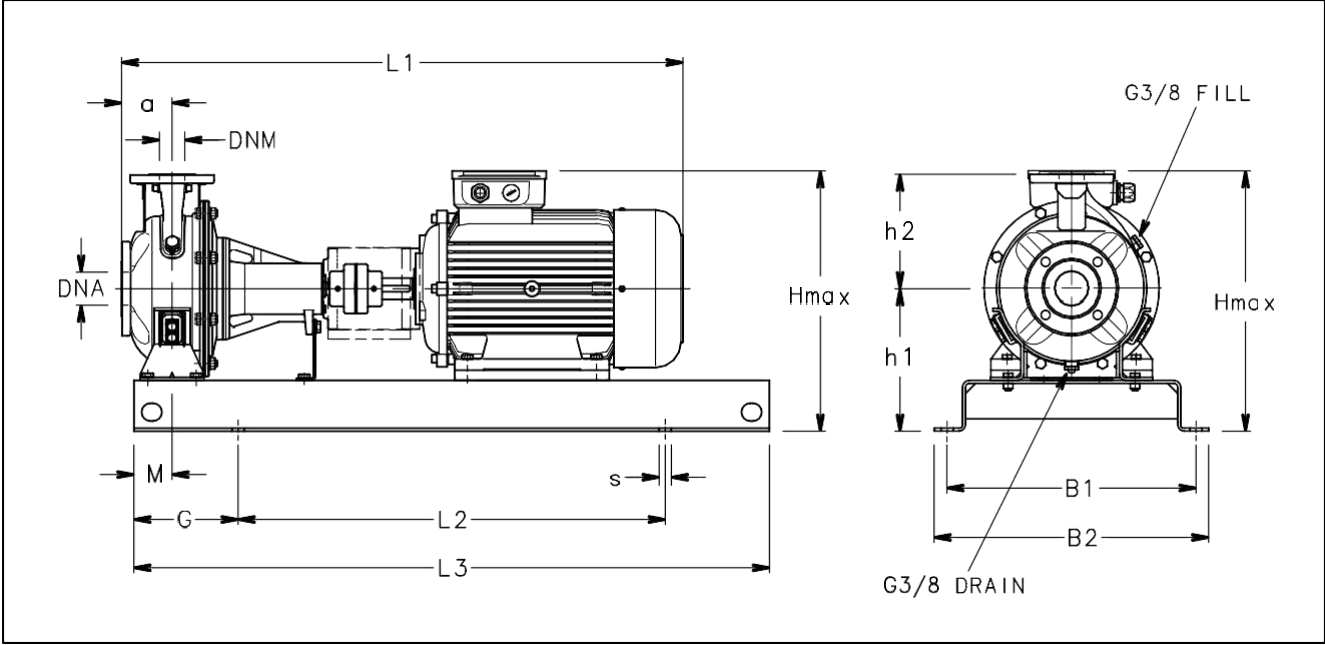
FS SERIES DIMENSIONS AND WEIGHTS (BARE SHAFT)



FS SERIES DIMENSIONS AND WEIGHTS (BARE SHAFT)

PUMP TYPE FS (BARE SHAFT)	DIMENSIONS (mm)																			B	k	WEIGHT kg
	PUMP						SUPPORT						SHAFT									
	DNM	DNA	a	f	h1	h2	b	c	m	m1	n	n1	s	w	d	l	t	u				
25-125	25	50	80	360	112	140	47	3	100	70	190	140	14	260	24	50	27	8	218	98	14	
25-160	25	50	80	360	132	160	48	3	100	70	240	190	14	260	24	50	27	8	253	98	17	
25-200	25	50	80	360	160	180	47	3	100	70	240	190	14	260	24	50	27	8	284	98	20	
25-250	25	50	100	360	180	225	54	6	125	95	320	250	14	260	24	50	27	8	345	98	34	
32-125	32	50	80	360	112	140	47	3	100	70	190	140	14	260	24	50	27	8	218	98	14	
32-160	32	50	80	360	132	160	48	3	100	70	240	190	14	260	24	50	27	8	253	98	17	
32-200	32	50	80	360	160	180	47	3	100	70	240	190	14	260	24	50	27	8	284	98	20	
32-250	32	50	100	360	180	225	54	6	125	95	320	250	14	260	24	50	27	8	345	98	34	
40-125	40	65	80	360	112	140	47	3	100	70	210	160	14	260	24	50	27	8	218	100	16	
40-160	40	65	80	360	132	160	48	3	100	70	240	190	14	260	24	50	27	8	253	100	18	
40-200	40	65	100	360	160	180	50	3	100	70	265	212	14	260	24	50	27	8	284	100	20	
40-250	40	65	100	360	180	225	54	6	125	95	320	250	14	260	24	50	27	8	345	107	33	
50-125	50	65	100	360	132	160	48	3	100	70	240	190	14	260	24	50	27	8	253	104	17	
50-160	50	65	100	360	160	180	48	3	100	70	265	212	14	260	24	50	27	8	253	104	24	
50-200	50	65	100	360	160	200	40	6	100	70	265	212	14	260	24	50	27	8	310	104	30	
50-250	50	65	100	360	180	225	54	6	125	95	320	250	14	260	24	50	27	8	345	107	37	
65-160	65	80	100	360	160	200	48	6	125	95	280	212	14	260	24	50	27	8	310	130	31	
65-200	65	80	100	360	180	225	65	15	125	95	320	250	14	260	24	50	27	8	310	130	42	
65-250	65	80	100	470	200	250	80	18	160	120	360	280	18	340	32	80	35	10	345	140	55	
80-160	80	100	125	360	180	225	54	6	125	95	320	250	14	260	24	50	27	8	345	160	37	
80-200	80	100	125	470	180	250	65	15	125	95	345	280	14	340	32	80	35	10	345	160	55	
80-250	80	100	125	470	200	280	80	18	160	120	400	315	18	340	32	80	35	10	383	160	67	

**FS SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES**

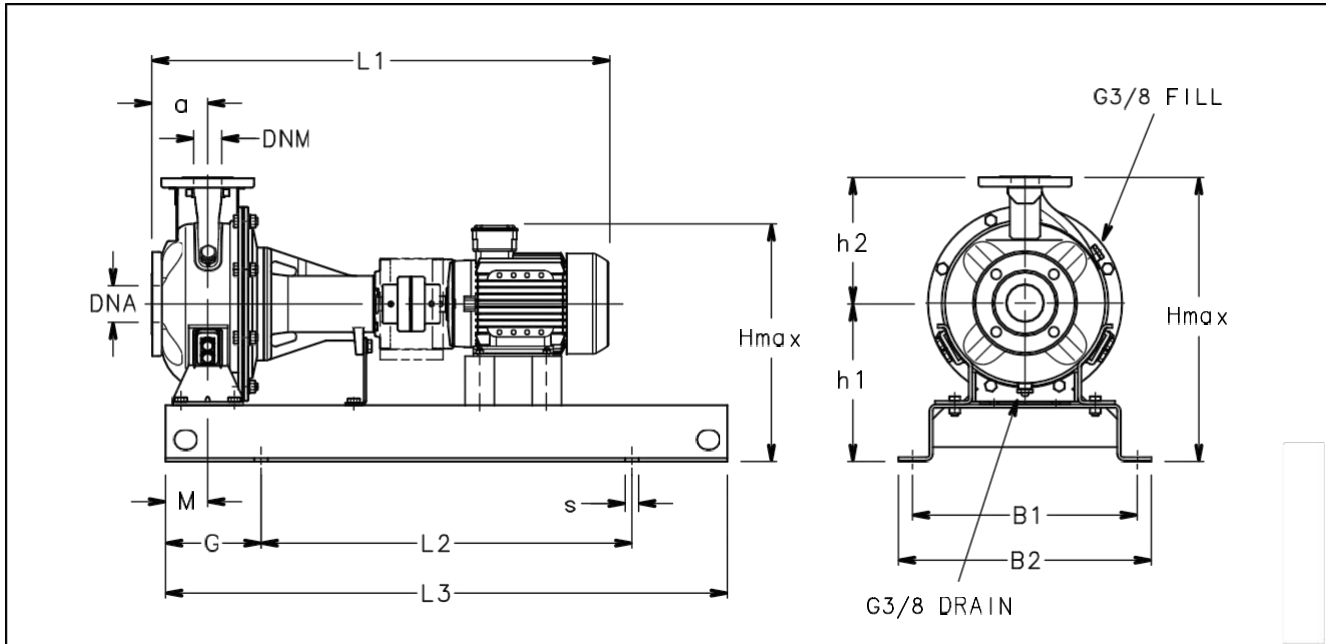


FS SERIES

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

PUMP TYPE	DIMENSIONS (mm)													S FOR SCREWS	WEIGHT kg	COUPLING TYPE
	DNM	DNA	a	B1	B2	L1	L2	L3	G	M	h1	h2	Hmax			
25-125/07/S	25	50	80	320	360	746	540	800	130	60	212	140	352	M16	67	A2
25-125/11/S	25	50	80	320	360	746	540	800	130	60	212	140	352	M16	69	A2
25-160/15/P	25	50	80	350	390	791	600	900	150	60	232	160	392	M16	73	A3
25-160/22/P	25	50	80	350	390	791	600	900	150	60	232	160	392	M16	75	A3
25-200/30/P	25	50	80	350	390	822	600	900	150	60	260	180	440	M16	95	B1
25-200/40/P	25	50	80	350	390	825	600	900	150	60	260	180	440	M16	97	B1
25-250/55/P	25	50	100	440	490	910	740	1120	190	75	280	225	505	M20	130	C1
25-250/75/P	25	50	100	440	490	910	740	1120	190	75	280	225	505	M20	134	C1
25-250/110/P	25	50	100	490	540	1067	840	1250	205	75	280	225	520	M20	181	C2
32-125/07/S	32	50	80	320	360	746	540	800	130	60	212	140	352	M16	67	A2
32-125/11/S	32	50	80	320	360	746	540	800	130	60	212	140	352	M16	69	A2
32-160/15/P	32	50	80	350	390	791	600	900	150	60	232	160	392	M16	73	A3
32-160/22/P	32	50	80	350	390	791	600	900	150	60	232	160	392	M16	75	A3
32-200/30/P	32	50	80	350	390	822	600	900	150	60	260	180	440	M16	95	B1
32-200/40/P	32	50	80	350	390	825	600	900	150	60	260	180	440	M16	97	B1
32-250/55/P	32	50	100	440	490	910	740	1120	190	75	280	225	505	M20	130	C1
32-250/75/P	32	50	100	440	490	910	740	1120	190	75	280	225	505	M20	134	C1
32-250/110/P	32	50	100	490	540	1067	840	1250	205	75	280	225	520	M20	181	C2
40-125/11/S	40	65	80	350	390	746	600	900	150	60	212	140	352	M16	70	A2
40-125/15/P	40	65	80	350	390	791	600	900	150	60	212	140	352	M16	74	A3
40-125/22/P	40	65	80	350	390	791	600	900	150	60	212	140	352	M16	77	A3
40-160/30/P	40	65	80	350	390	822	600	900	150	60	232	160	392	M16	92	B1
40-160/40/P	40	65	80	350	390	825	600	900	150	60	232	160	400	M16	96	B1
40-200/55/P	40	65	100	400	450	910	660	1000	170	60	260	180	451	M20	123	C1
40-200/75/P	40	65	100	400	450	910	660	1000	170	60	260	180	451	M20	128	C1
40-250/110A/P	40	65	100	490	540	1067	840	1250	205	75	280	225	520	M20	167	C2
40-250/110/P	40	65	100	490	540	1067	840	1250	205	75	280	225	520	M20	170	C2
40-250/150/P	40	65	100	490	540	1067	840	1250	205	75	280	225	520	M20	175	C2
50-125/22/P	50	65	100	350	390	811	600	900	150	60	232	160	392	M16	84	A3
50-125/30/P	50	65	100	350	390	842	600	900	150	60	232	160	392	M16	92	B1
50-125/40/P	50	65	100	350	390	845	600	900	150	60	232	160	400	M16	95	B1
50-160/55/P	50	65	100	400	450	910	660	1000	170	60	260	180	451	M20	120	C1
50-160/75/P	50	65	100	400	450	910	660	1000	170	60	260	180	451	M20	122	C1
50-200/110A/P	50	65	100	440	490	1067	740	1120	190	60	260	200	500	M20	145	C2
50-200/110/P	50	65	100	440	490	1067	740	1120	190	60	260	200	500	M20	150	C2
50-250/150/P	50	65	100	490	540	1067	840	1250	205	75	280	225	520	M20	165	C2
50-250/185/P	50	65	100	490	540	1067	840	1250	205	75	280	225	520	M20	170	C2
50-250/220/L	50	65	100	490	540	1164	840	1250	205	75	280	225	533	M20	235	D1
65-160/40/P	65	80	100	400	450	845	660	1000	170	75	260	200	460	M20	133	B1
65-160/55/P	65	80	100	440	490	910	740	1120	190	75	260	200	460	M20	155	C1
65-160/75/P	65	80	100	440	490	910	740	1120	190	75	260	200	460	M20	159	C1
65-160/110A/P	65	80	100	490	540	1067	840	1250	205	75	260	200	500	M20	162	C2
65-160/110/P	65	80	100	490	540	1067	840	1250	205	75	260	200	500	M20	162	C2
65-200/150/P	65	80	100	490	540	1067	840	1250	205	75	280	225	520	M20	185	C2
65-200/185/P	65	80	100	490	540	1067	840	1250	205	75	280	225	520	M20	190	C2
65-200/220/L	65	80	100	490	540	1164	840	1250	205	75	280	225	533	M20	235	D1
65-250/300/L	65	80	100	550	610	1354	940	1400	230	90	310	250	595	M24	315	E1
65-250/370/L	65	80	100	550	610	1354	940	1400	230	90	310	250	595	M24	330	E1
80-160/110/P	80	100	125	490	540	1092	840	1250	205	75	280	225	520	M20	198	C2
80-160/150/P	80	100	125	490	540	1092	840	1250	205	75	280	225	520	M20	209	C2
80-160/185/P	80	100	125	490	540	1092	840	1250	205	75	280	225	520	M20	220	C2
80-200/220/L	80	100	125	490	540	1299	840	1250	205	75	280	250	533	M20	235	D2
80-200/300/L	80	100	125	550	610	1379	940	1400	230	75	310	250	595	M24	315	E1
80-200/370/L	80	100	125	550	610	1379	940	1400	230	75	310	250	595	M24	330	E1
80-250/450/L	80	100	125	550	610	1409	940	1400	230	90	365	280	674	M24	395	E1
80-250/550/L	80	100	125	600	660	1505	1060	1600	270	90	390	280	752	M24	601	F1
80-250/750/L	80	100	125	670	730	1611	1200	1800	300	90	420	280	819	M24	783	G1

**FS SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 4 POLES**

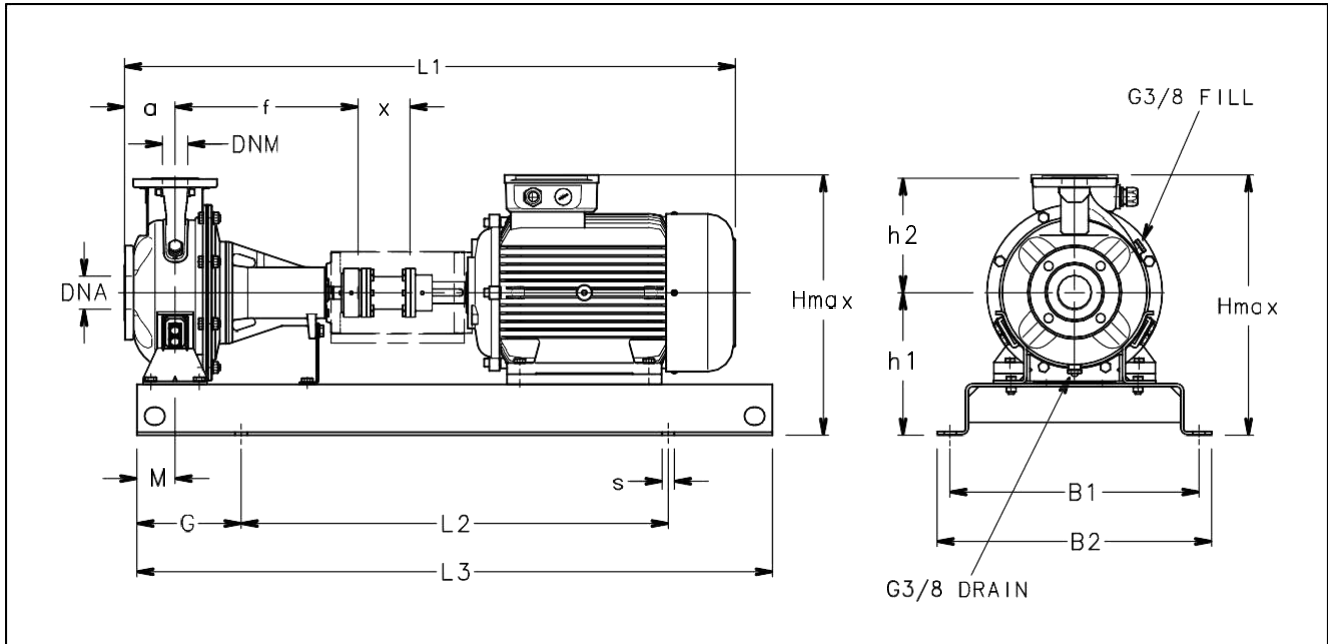


FS SERIES

DIMENSIONS AND WEIGHTS AT 50 Hz, 4 POLES

PUMP TYPE	DIMENSIONS (mm)													s FOR SCREWS	WEIGHT kg	COUPLING TYPE
	DNM	DNA	a	B1	B2	L1	L2	L3	G	M	h1	h2	Hmax			
25-250/07/X	25	50	100	400	450	734	660	1000	170	75	280	225	505	M20	98	A2
25-250/11/P	25	50	100	400	450	811	660	1000	170	75	280	225	505	M20	106	A3
25-250/15/P	25	50	100	400	450	811	660	1000	170	75	280	225	505	M20	108	A3
32-250/07/X	32	50	100	400	450	734	660	1000	170	75	280	225	505	M20	98	A2
32-250/11/P	32	50	100	400	450	811	660	1000	170	75	280	225	505	M20	106	A3
32-250/15/P	32	50	100	400	450	811	660	1000	170	75	280	225	505	M20	108	A3
40-200/07/X	40	65	100	350	390	734	600	900	150	60	260	180	440	M16	70	A2
40-200/11/P	40	65	100	350	390	811	600	900	150	60	260	180	440	M16	78	A3
40-250/11/P	40	65	100	400	450	811	660	1000	170	75	280	225	505	M20	105	A3
40-250/15/P	40	65	100	400	450	811	660	1000	170	75	280	225	505	M20	108	A3
40-250/22/P	40	65	100	400	450	888	660	1000	170	75	280	225	505	M20	131	B1
50-160/07/X	50	65	100	350	390	734	600	900	150	60	260	180	440	M16	69	A2
50-160/11/P	50	65	100	350	390	811	600	900	150	60	260	180	440	M16	77	A3
50-200/11/P	50	65	100	350	390	811	600	900	150	60	260	200	460	M16	88	A3
50-200/15/P	50	65	100	350	390	811	600	900	150	60	260	200	460	M16	91	A3
50-250/22A/P	50	65	100	400	450	888	660	1000	170	75	280	225	505	M20	132	B1
50-250/22/P	50	65	100	400	450	888	660	1000	170	75	280	225	505	M20	132	B1
50-250/30/P	50	65	100	400	450	888	660	1000	170	75	280	225	505	M20	136	B1
65-160/07/X	65	80	100	350	390	734	600	900	150	75	260	200	460	M16	86	A2
65-160/11A/P	65	80	100	400	450	811	600	1000	170	75	260	200	460	M20	94	A3
65-160/11/P	65	80	100	400	450	811	660	1000	170	75	260	200	460	M20	94	A3
65-160/15/P	65	80	100	400	450	811	660	1000	170	75	260	200	460	M20	97	A3
65-200/15/P	65	80	100	400	450	811	660	1000	170	75	280	225	505	M20	109	A3
65-200/22/P	65	80	100	440	490	888	740	1120	190	75	280	225	505	M20	133	B1
65-200/30/P	65	80	100	440	490	888	740	1120	190	75	280	225	505	M20	137	B1
65-250/40/P	65	80	100	440	490	1031	740	1120	190	90	310	250	550	M20	178	C3
65-250/55/P	65	80	100	440	490	1058	740	1120	190	90	310	250	550	M20	193	C4
80-160/15/P	80	100	125	400	450	836	660	1000	170	75	280	225	505	M20	127	A3
80-160/22A/P	80	100	125	440	490	913	740	1120	190	75	280	225	505	M20	143	B1
80-160/22/P	80	100	125	440	490	913	740	1120	190	75	280	225	505	M20	143	B1
80-200/30/P	80	100	125	440	490	1023	740	1120	190	75	280	250	530	M20	162	C3
80-200/40/P	80	100	125	440	490	1056	740	1120	190	75	280	250	530	M20	171	C3
80-250/55/P	80	100	125	490	540	1083	840	1250	205	90	310	280	590	M20	194	C4
80-250/75/P	80	100	125	490	540	1083	840	1250	205	90	310	280	590	M20	198	C4
80-250/110/P	80	100	125	490	540	1202	840	1250	205	90	310	280	590	M20	256	C5

**FS SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES**



FS SERIES

DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

PUMP TYPE	DIMENSIONS (mm)																s FOR SCREWS	WEIGHT kg	COUPLING TYPE
	DNM	DNA	a	B1	B2	L1	L2	L3	G	M	h1	h2	Hmax	f	x				
32-125/07/S	32	50	80	320	360	845	540	800	130	60	212	140	352	360	100	M16	69	A2S	
32-125/11/S	32	50	80	320	360	845	540	800	130	60	212	140	352	360	100	M16	71	A2S	
32-160/15/P	32	50	80	350	390	889	600	900	150	60	232	160	392	360	100	M16	75	A3S	
32-160/22/P	32	50	80	350	390	889	600	900	150	60	232	160	392	360	100	M16	77	A3S	
32-200/30/P	32	50	80	350	390	920	600	900	150	60	260	180	440	360	100	M16	97	B1S	
32-200/40/P	32	50	80	350	390	923	600	900	150	60	260	180	440	360	100	M16	99	B1S	
32-250/55/P	32	50	100	440	490	1007	740	1120	190	75	280	225	505	360	100	M20	132	C1S	
32-250/75/P	32	50	100	440	490	1007	740	1120	190	75	280	225	505	360	100	M20	136	C1S	
32-250/110/P	32	50	100	490	540	1164	840	1250	205	75	280	225	520	360	100	M20	183	C2S	
40-125/11/S	40	65	80	350	390	845	600	900	150	60	212	140	352	360	100	M16	72	A2S	
40-125/15/P	40	65	80	350	390	889	600	900	150	60	212	140	352	360	100	M16	76	A3S	
40-125/22/P	40	65	80	350	390	889	600	900	150	60	212	140	352	360	100	M16	79	A3S	
40-160/30/P	40	65	80	350	390	920	600	900	150	60	232	160	392	360	100	M16	94	B1S	
40-160/40/P	40	65	80	350	390	923	600	900	150	60	232	160	400	360	100	M16	98	B1S	
40-200/55/P	40	65	100	400	450	1007	660	1000	170	60	260	180	451	360	100	M20	125	C1S	
40-200/75/P	40	65	100	400	450	1007	660	1000	170	60	260	180	451	360	100	M20	130	C1S	
40-250/110A/P	40	65	100	490	540	1164	840	1250	205	75	280	225	520	360	100	M20	169	C2S	
40-250/110/P	40	65	100	490	540	1164	840	1250	205	75	280	225	520	360	100	M20	172	C2S	
40-250/150/P	40	65	100	490	540	1164	840	1250	205	75	280	225	520	360	100	M20	177	C2S	
50-125/22/P	50	65	100	350	390	909	600	900	150	60	232	160	392	360	100	M16	86	A3S	
50-125/30/P	50	65	100	350	390	940	600	900	150	60	232	160	392	360	100	M16	94	B1S	
50-125/40/P	50	65	100	350	390	943	600	900	150	60	232	160	400	360	100	M16	97	B1S	
50-160/55/P	50	65	100	400	450	1007	660	1000	170	60	260	180	451	360	100	M20	122	C1S	
50-160/75/P	50	65	100	400	450	1007	660	1000	170	60	260	180	451	360	100	M20	124	C1S	
50-200/110A/P	50	65	100	440	490	1164	740	1120	190	60	260	200	500	360	100	M20	147	C2S	
50-200/110/P	50	65	100	440	490	1164	740	1120	190	60	260	200	500	360	100	M20	152	C2S	
50-250/150/P	50	65	100	490	540	1164	840	1250	205	75	280	225	520	360	100	M20	167	C2S	
50-250/185/P	50	65	100	490	540	1164	840	1250	205	75	280	225	520	360	100	M20	172	C2S	
50-250/220/L	50	65	100	490	540	1298	840	1250	205	75	280	225	533	360	100	M20	243	D1S	
65-160/40/P	65	80	100	400	450	943	660	1000	170	75	260	200	460	360	100	M20	135	B1S	
65-160/55/P	65	80	100	440	490	1007	740	1120	190	75	260	200	460	360	100	M20	157	C1S	
65-160/75/P	65	80	100	440	490	1007	740	1120	190	75	260	200	460	360	100	M20	161	C1S	
65-160/110A/P	65	80	100	490	540	1164	840	1250	205	75	260	200	500	360	100	M20	164	C2S	
65-160/110/P	65	80	100	490	540	1164	840	1250	205	75	260	200	500	360	100	M20	164	C2S	
65-200/150/P	65	80	100	490	540	1164	840	1250	205	75	280	225	520	360	100	M20	187	C2S	
65-200/185/P	65	80	100	490	540	1164	840	1250	205	75	280	225	520	360	100	M20	192	C2S	
65-200/220/L	65	80	100	490	540	1298	840	1250	205	75	280	225	533	360	100	M20	243	D1S	
65-250/300/L	65	80	100	550	610	1505	940	1400	230	90	310	250	595	470	140	M24	323	E1S	
65-250/370/L	65	80	100	550	610	1505	940	1400	230	90	310	250	595	470	140	M24	338	E1S	
80-160/110/P	80	100	125	490	540	1189	840	1250	205	75	280	225	520	360	100	M20	200	C2S	
80-160/150/P	80	100	125	490	540	1189	840	1250	205	75	280	225	520	360	100	M20	211	C2S	
80-160/185/P	80	100	125	490	540	1189	840	1250	205	75	280	225	520	360	100	M20	222	C2S	
80-200/220/L	80	100	125	490	540	1433	840	1250	205	75	280	250	533	470	100	M20	243	D2S	
80-200/300/L	80	100	125	550	610	1530	940	1400	230	75	310	250	595	470	140	M24	323	E1S	
80-200/370/L	80	100	125	550	610	1530	940	1400	230	75	310	250	595	470	140	M24	338	E1S	
80-250/450/L	80	100	125	550	610	1500	940	1400	230	90	365	280	674	470	140	M24	403	E1S	
80-250/550/L	80	100	125	600	660	1583	1060	1600	270	90	390	280	752	470	140	M24	609	F1S	
80-250/750/L	80	100	125	670	730	1688	1200	1800	300	90	420	280	819	470	140	M24	791	G1S	

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