



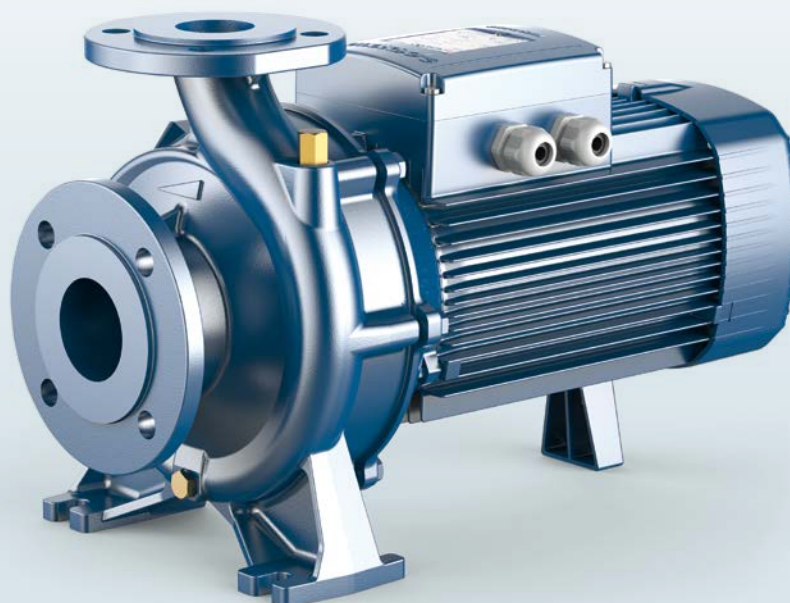
Clean water



Civil use



Industrial use



PERFORMANCE RANGE

- Flow rate up to **5750 l/min** (345 m³/h)
- Head up to **98 m**
- Power from **1.5 to 75 kW**

INSTALLATION AND USE

Close-coupled centrifugal electric pumps with flanges constructed according to the EN733 standard.

- For clean water free from abrasive particles and liquids that will not damage the pump's components
- Water supply
- Pressurization
- Irrigation
- Water circulation in air conditioning systems
- Power washing systems
- Firefighting systems
- Industrial applications
- Agriculture applications

Installation should be carried out in well-ventilated indoor or protected areas.

ELECTRIC MOTOR

The three-phase pumps are equipped with newly developed electric motors designed to work with inverters, which guarantee stable and quiet operation.

Efficiency class **IE3** for three-phase motors, **IE2** for single-phase motors, class F insulation and IP55 protection.

APPLICATION LIMITS

- Manometric suction head up to **7 m**
- Liquid temperature between **-10 °C** and **+90 °C**
- Ambient temperature between **-10 °C** and **+40 °C**
- Maximum pressure in the pump body **10 bar** (PN10)

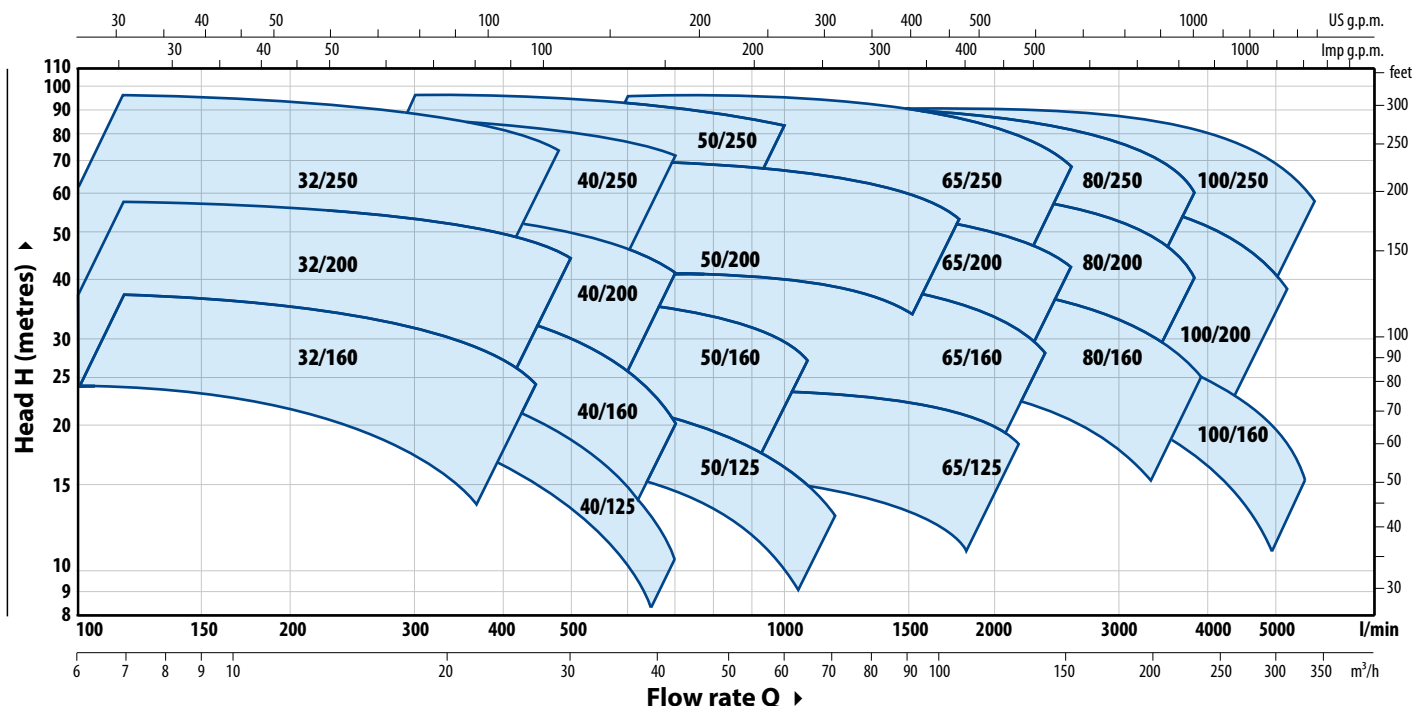
AVAILABLE UPON REQUEST

- ✘ Mechanical seal options available
- ✘ Different voltage or frequency
- ✘ Handling of liquids with higher or lower temperatures
- ✘ Adaptability to operate in high or low temperature environments
- ✘ Counterflange KIT including screws, nuts and gaskets



PERFORMANCE RANGE – n= 3450 min⁻¹

60 Hz



PERFORMANCE DATA – n= 3450 min⁻¹

60 Hz

TYPE	POWER (P ₂)		PERFORMANCE	
	kW	HP	Q l/min	H metres
F 32/160C	1.5	2	100 – 350	24 – 14
F 32/160B	2.2	3	100 – 400	30 – 17
F 32/160A	3	4	100 – 450	37 – 24
F 32/200C	4	5.5	100 – 450	44 – 31.5
F 32/200B	5.5	7.5	100 – 500	51 – 36
F 32/200A	7.5	10	100 – 500	57 – 44
F 32/200BH	3	4	100 – 300	45 – 37
F 32/200AH	4	5.5	100 – 320	55 – 44
F 32/250C	9.2	12.5	100 – 450	75 – 60
F 32/250B	11	15	100 – 500	87 – 70
F 32/250A	15	20	100 – 500	97 – 80
F 40/125C	1.1	1.5	100 – 550	16 – 6
F 40/125B	1.5	2	100 – 600	20.5 – 9
F 40/125A	2.2	3	100 – 700	26 – 10
F 40/160C	2.2	3	100 – 600	27 – 14
F 40/160B	3	4	100 – 600	32 – 20
F 40/160A	4	5.5	100 – 700	38 – 20
F 40/200B	5.5	7.5	100 – 700	47 – 28
F 40/200A	7.5	10	100 – 700	55 – 41
F 40/250C	9.2	12.5	100 – 700	64 – 47
F 40/250B	11	15	100 – 700	71 – 55
F 40/250A	15	20	100 – 700	88 – 72
F 50/125C	2.2	3	300 – 1100	17.5 – 6
F 50/125B	3	4	300 – 1200	20.7 – 9
F 50/125A	4	5.5	300 – 1200	23.5 – 13
F 50/160C	4	5.5	300 – 1000	27 – 16
F 50/160B	5.5	7.5	300 – 1200	32 – 18
F 50/160A	7.5	10	300 – 1350	37.5 – 20
F 50/200C	11	15	400 – 1700	44 – 30
F 50/200B	15	20	400 – 1700	52 – 38
F 50/200A	18.5	25	400 – 1800	61 – 45
F 50/200AR	22	30	400 – 1800	69 – 53

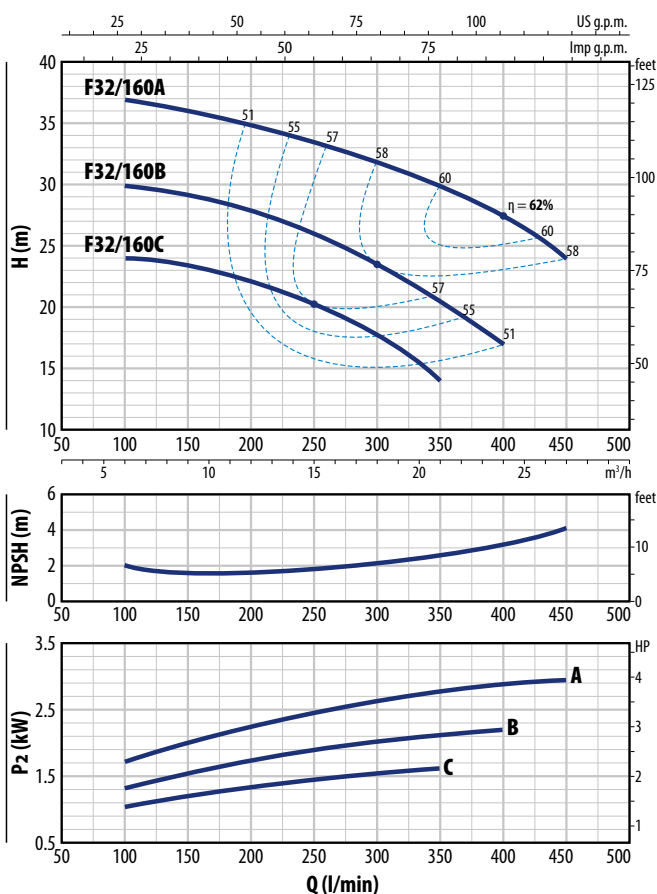
TYPE	POWER (P ₂)		PERFORMANCE	
	kW	HP	Q l/min	H metres
F 50/250D	9.2	12.5	300 – 900	50.5 – 37
F 50/250C	11	15	300 – 1000	59 – 43
F 50/250B	15	20	300 – 1000	72 – 59
F 50/250A	18.5	25	300 – 1000	85 – 73
F 50/250AR	22	30	300 – 1000	95 – 83
F 65/125C	4	5.5	600 – 1800	16 – 11
F 65/125B	5.5	7.5	600 – 2000	18 – 13
F 65/125A	7.5	10	600 – 2200	23 – 18
F 65/160C	9.2	12.5	600 – 2200	32 – 22
F 65/160B	11	15	600 – 2400	36.5 – 23
F 65/160A	15	20	600 – 2400	40.5 – 28
F 65/200B	15	20	200 – 2400	44 – 30.5
F 65/200A	18.5	25	200 – 2500	50 – 36.5
F 65/200AR	22	30	200 – 2600	57 – 42
F 65/250C	30	40	400 – 2350	76 – 53
F 65/250B	37	50	400 – 2500	87 – 62
F 65/250A	45	60	400 – 2600	95 – 68
F 80/160D	11	15	500 – 4000	25 – 10
F 80/160C	15	20	500 – 4000	30 – 15
F 80/160B	18.5	25	500 – 4000	35 – 20
F 80/160A	22	30	500 – 4000	40 – 25
F 80/200B	30	40	500 – 3650	56 – 34.5
F 80/200A	37	50	500 – 3900	62 – 40
F 80/250B	45	60	600 – 3600	77 – 54
F 80/250A	55	75	600 – 3900	88.5 – 60
F 100/160A	22	30	1000 – 5500	38 – 17.5
F 100/200C	30	40	833 – 4650	51 – 28
F 100/200B	37	50	833 – 4900	57 – 33
F 100/200A	45	60	833 – 5250	63 – 38
F 100/250B	55	75	800 – 5150	75 – 48
F 100/250A	75	100	800 – 5750	89 – 58

F 32

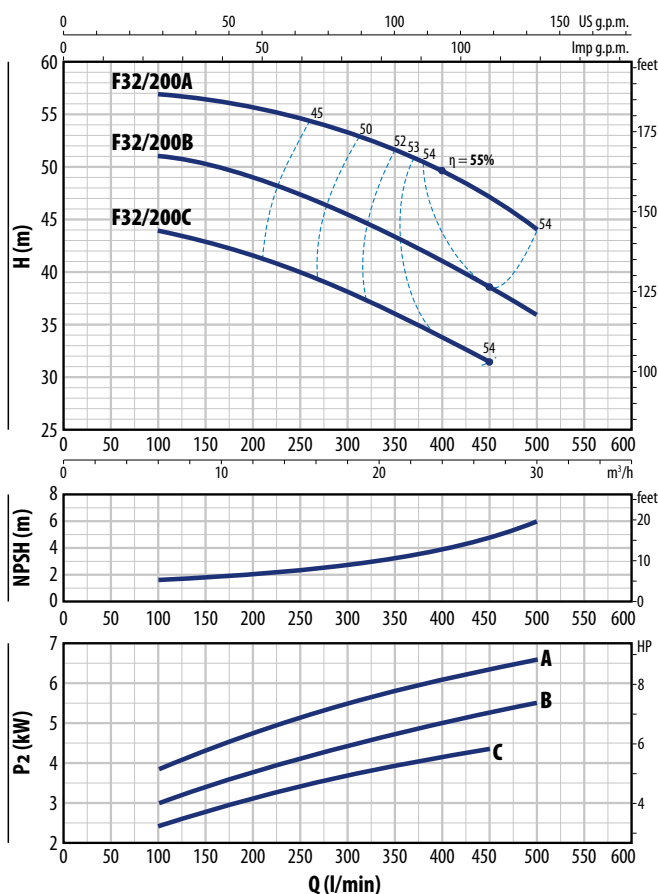
CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz

F 32/160



F 32/200



F 32/160

TYPE		POWER (P ₂)		3~	Q m ³ /h l/min	0	6	9	12	15	18	21	24	27
Single-ph.	Three-ph.	kW	HP			0	100	150	200	250	300	350	400	450
Fm 32/160C	F 32/160C	1.5	2	IE3	H m	25	24	23.5	22	20.5	18	14		
Fm 32/160B	F 32/160B	2.2	3			31	30	29	28	26	23.5	20.5	17	
–	F 32/160A	3	4			38	37	36	35	33.5	31.5	30	27.5	24

F 32/200

TYPE		POWER (P ₂)		3~	Q	m ³ /h									
Three-ph.		kW	HP			0	6	9	12	15	18	21	24	27	30
F 32/200C		4	5.5	IE3	H m	0	100	150	200	250	300	350	400	450	500
F 32/200B		5.5	7.5			46	44	43	41.5	40	38	36	34	31.5	
F 32/200A		7.5	10			52	51	50.5	49	47	45	43	41	38.5	36
						60	57	56.5	56	55	53.5	52	50	47	44

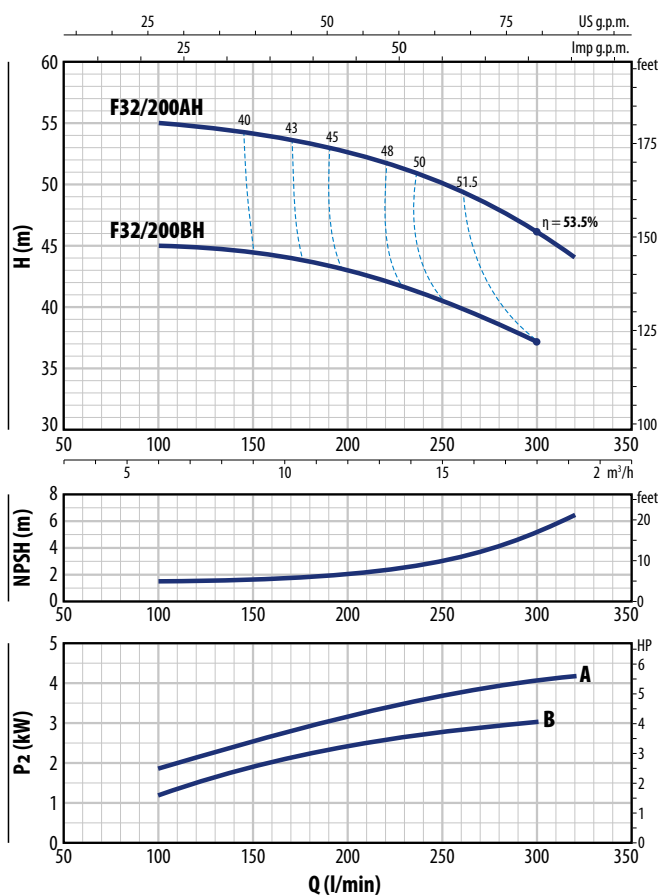
Q = Flow rate H = Total manometric head HS = Suction height

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

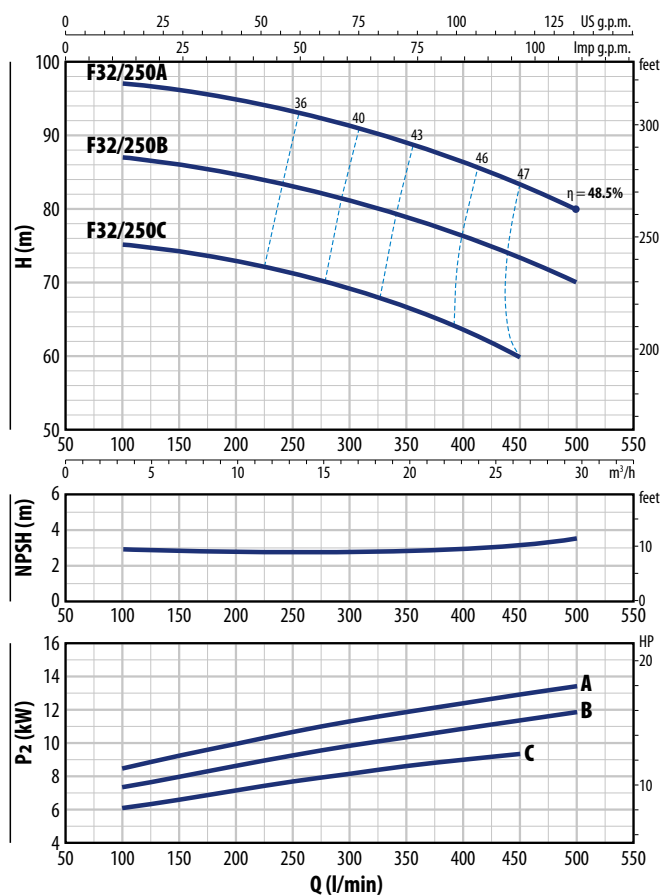
CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz

F 32/200H



F 32/250



F 32/200H

TYPE	POWER (P ₂)		3~	Q	m ³ /h						
	kW	HP			0	6	9	12	15	18	19.2
Three-phase				l/min	0	100	150	200	250	300	320
F 32/200BH	3	4	IE3	H m	47	45	44.5	43	40.5	37	
F 32/200AH	4	5.5			57	55	54	52.5	50	46	44

F 32/250

TYPE	POWER (P ₂)		3~	Q	m ³ /h									
	kW	HP			0	6	9	12	15	18	21	24	27	30
Three-phase				l/min	0	100	150	200	250	300	350	400	450	500
F 32/250C	9.2	12.5	IE3	H m	76	75	74.5	73	71.5	69.5	67	64	60	
F 32/250B	11	15			88	87	86	85	83	81	79	76.5	73.5	70
F 32/250A	15	20			98	97	96	95	93	91	89	86.5	83.5	80

Q = Flow rate H = Total manometric head HS = Suction height

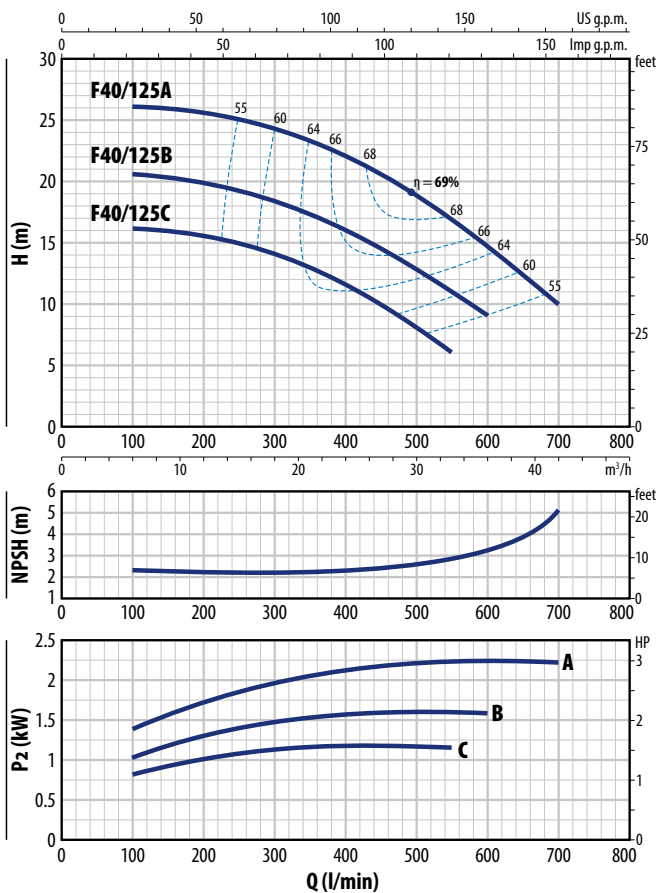
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

F 40

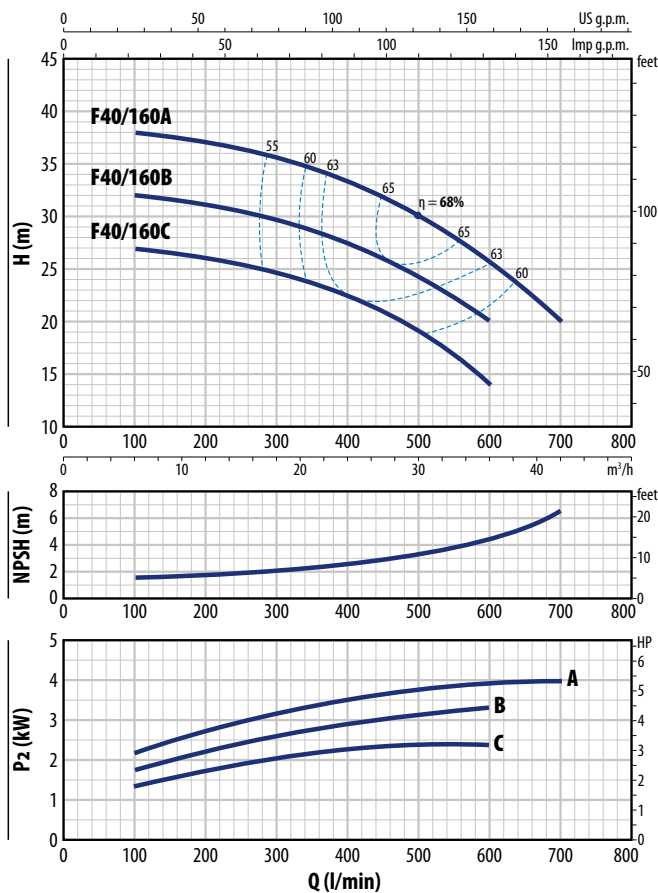
CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz

F 40/125



F 40/160



F 40/125

TYPE		POWER (P ₂)		3~	Q	m³/h	0	6	12	18	24	30	33	36	39	42
Single-phase	Three-phase	kW	HP			l/min	0	100	200	300	400	500	550	600	650	700
Fm 40/125C	F 40/125C	1.1	1.5	IE3	H m	16	16	15.5	14	11.5	8	6				
Fm 40/125B	F 40/125B	1.5	2			20.5	20.5	19.8	18.5	16	12.8	11	9			
–	F 40/125A	2.2	3			26	26	25.5	24	22	18.5	17	14.5	12.5	10	

F 40/160

TYPE		POWER (P ₂)		3~	Q	m³/h	0	6	9	12	15	18	24	30	36	42
Single-phase	Three-phase	kW	HP			l/min	0	100	150	200	250	300	400	500	600	700
Fm 40/160C	F 40/160C	2.2	3	IE3	H m	27	27	26.5	26	25.5	25	22.5	19	14		
–	F 40/160B	3	4			32	32	31.5	31	30.5	30	27.5	24	20		
–	F 40/160A	4	5.5			38	38	37.8	37	36.5	36	33.5	30	26	20	

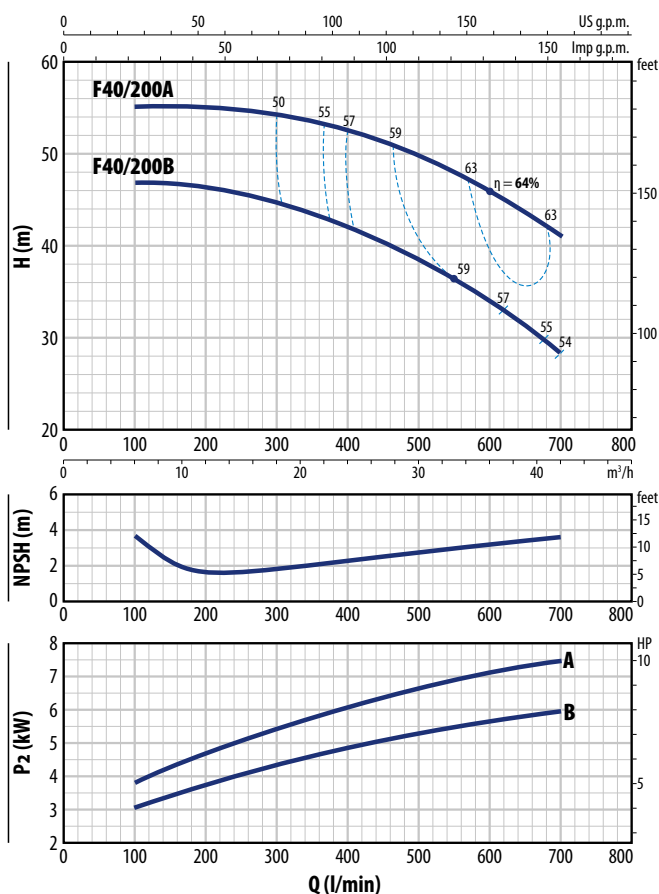
Q = Flow rate H = Total manometric head HS = Suction height

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

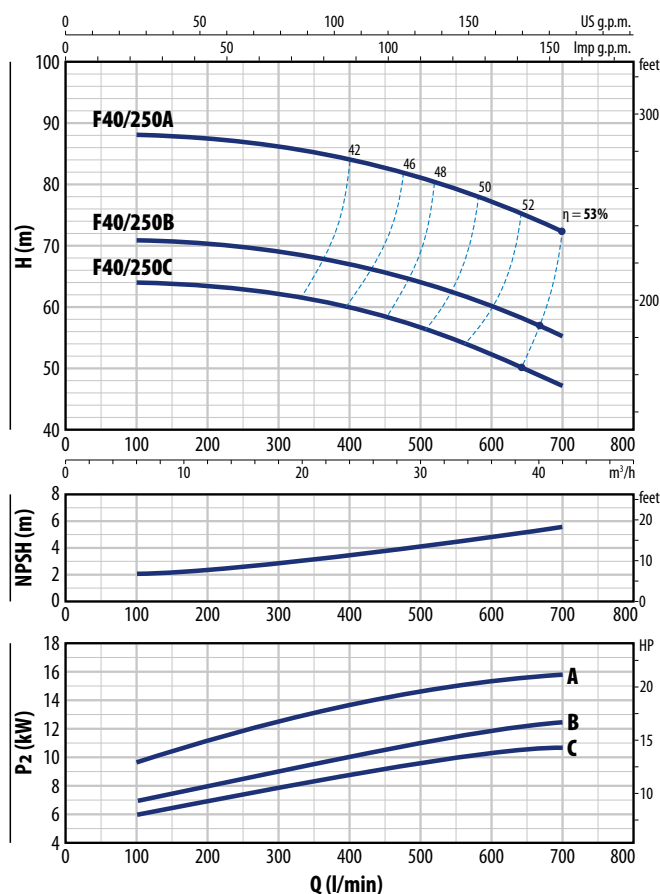
CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz

F 40/200



F 40/250



F 40/200

TYPE	POWER (P ₂)		3~	Q m³/h l/min	0	6	9	12	15	18	24	30	36	42
Three-phase	kW	HP			0	100	150	200	250	300	400	500	600	700
F 40/200B	5.5	7.5	IE3	H m	48	47	46.5	46	45.5	44.5	42	38	34	28
F 40/200A	7.5	10			56	55	55	55	54.5	54	52.5	49.5	46	41

F 40/250

TYPE	POWER (P ₂)		3~	Q	m³/h	0	6	9	12	15	18	24	30	36	42
Three-phase	kW	HP			l/min	0	100	150	200	250	300	400	500	600	700
F 40/250C	9.2	12.5	IE3	H	m	64	64	63.5	63	62.5	62	60	56.5	52.5	47
F 40/250B	11	15			71	71	70.5	70	69.5	69	67	64	60	55	
F 40/250A	15	20			88	88	87.5	87	86.5	86	84	81	77	72	

Q = Flow rate H = Total manometric head HS = Suction height

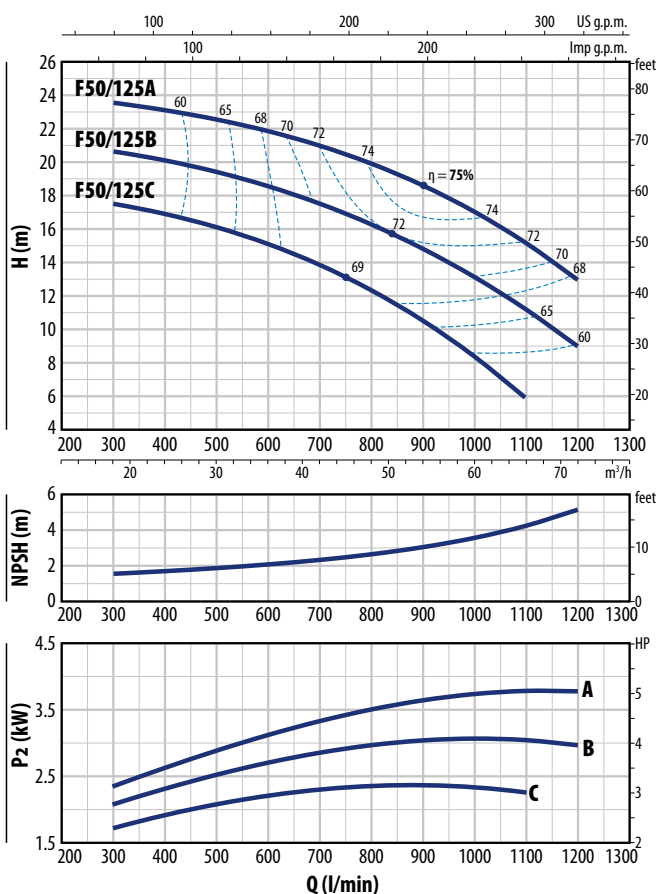
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

F 50

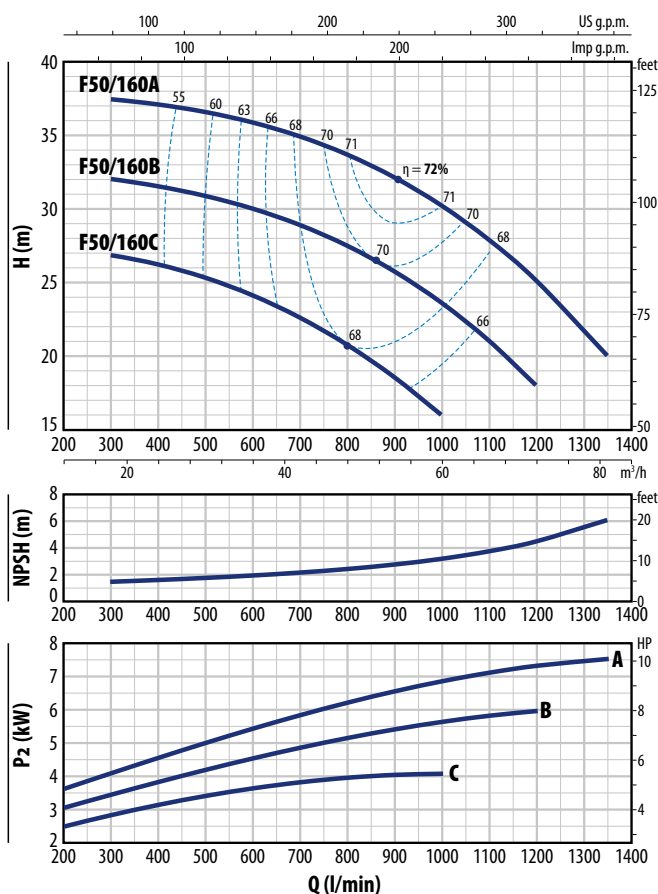
CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz

F 50/125



F 50/160



F 50/125

TYPE		POWER (P ₂)		3~	Q	m ³ /h													
Single-ph.	Three-ph.	kW	HP			0	18	24	30	36	42	48	54	60	66	72			
						0	300	400	500	600	700	800	900	1000	1100	1200			
Fm 50/125C	F 50/125C	2.2	3	IE3	H m	18.5	17.5	17	16	15	14	12.5	10.5	8.5	6				
–	F 50/125B	3	4			21.5	20.7	20	19.5	18.8	17.8	16.5	15	13.5	11.2	9			
–	F 50/125A	4	5.5			24.5	23.5	23	22.5	21.8	20.8	19.5	18.3	16.8	15	13			

F 50/160

TYPE		POWER (P ₂)		3~	Q	m ³ /h													
Three-phase		kW	HP			0	18	24	30	36	42	48	54	60	66	72	81		
						0	300	400	500	600	700	800	900	1000	1100	1200	1350		
F 50/160C		4	5.5	IE3	H m	27	27	26.5	25	24.5	23	20	18.5	16					
F 50/160B		5.5	7.5			33	32	31.7	31	30	29	27.4	25.7	23.5	21	18			
F 50/160A		7.5	10			38	37.5	37	36.5	36	35	33.7	32	30.2	28	25	20		

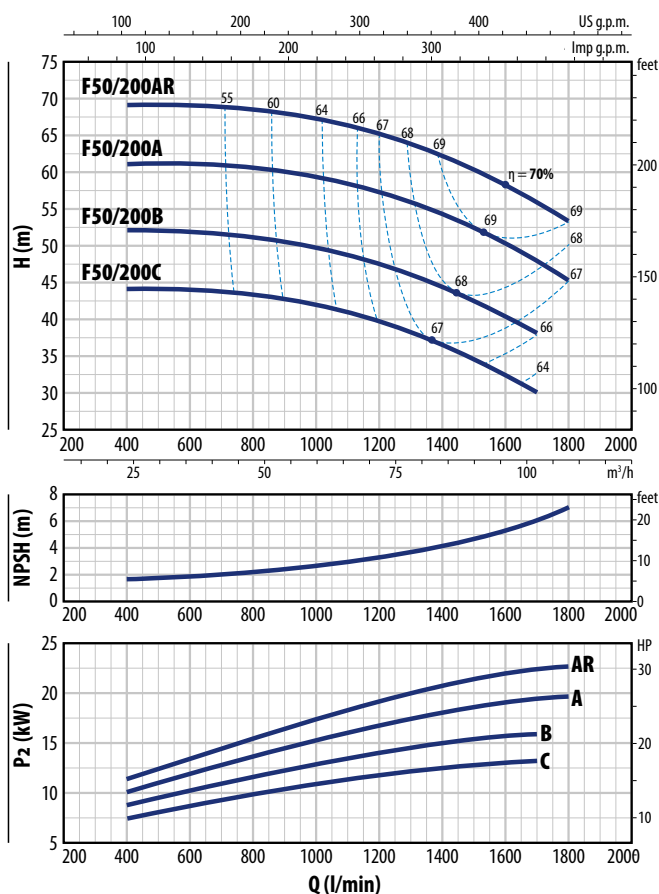
Q = Flow rate H = Total manometric head HS = Suction height

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

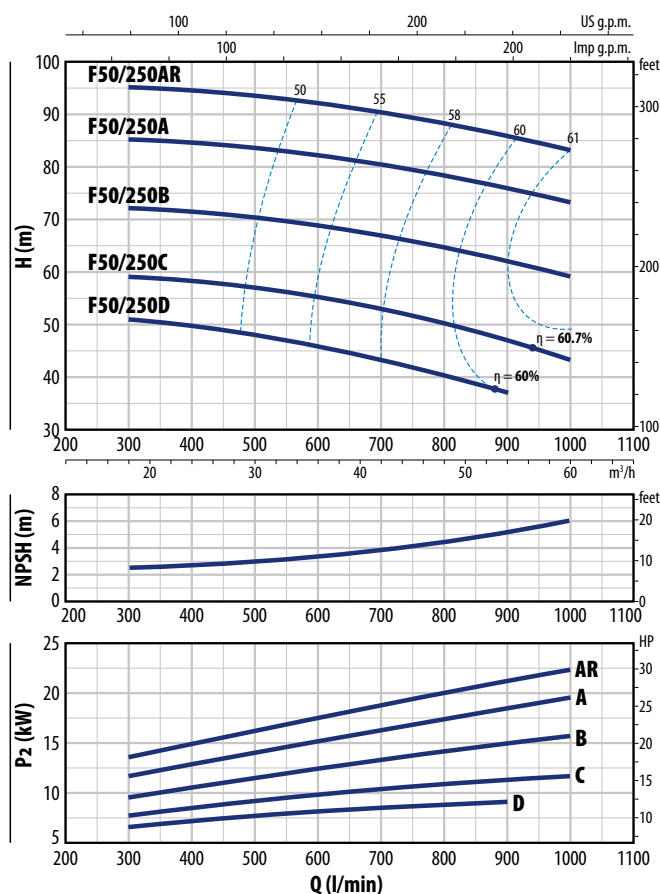
CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz

F 50/200



F 50/250



F 50/200

TYPE	POWER (P ₂)		3~	Q	m ³ /h	24	36	48	60	72	84	96	102	108
	kW	HP			l/min	400	600	800	1000	1200	1400	1600	1700	1800
F 50/200C	11	15	IE3	H m		44	44	44	42	39	36	33	30	
F 50/200B	15	20				52	52	52	50	47	44	40	38	
F 50/200A	18.5	25				61	61	60.5	60	57	54	50	48	45
F 50/200AR	22	30				69	69	68.5	68	65	62	58	56	53

F 50/250

TYPE	POWER (P ₂)		3~	Q	m ³ /h	0	18	24	30	36	42	48	54	60
	kW	HP			l/min	0	300	400	500	600	700	800	900	1000
F 50/250D	9.2	12.5	IE3	H m		51	50.5	49.5	48	45.5	43	40	37	
F 50/250C	11	15				59	59	58	56.5	55	53	50	47	43
F 50/250B	15	20				72	72	71	70	69	67	65	62	59
F 50/250A	18.5	25				85	85	84	83	82	80	78	76	73
F 50/250AR	22	30				95	95	94	93	92	90	88	86	83

Q = Flow rate H = Total manometric head HS = Suction height

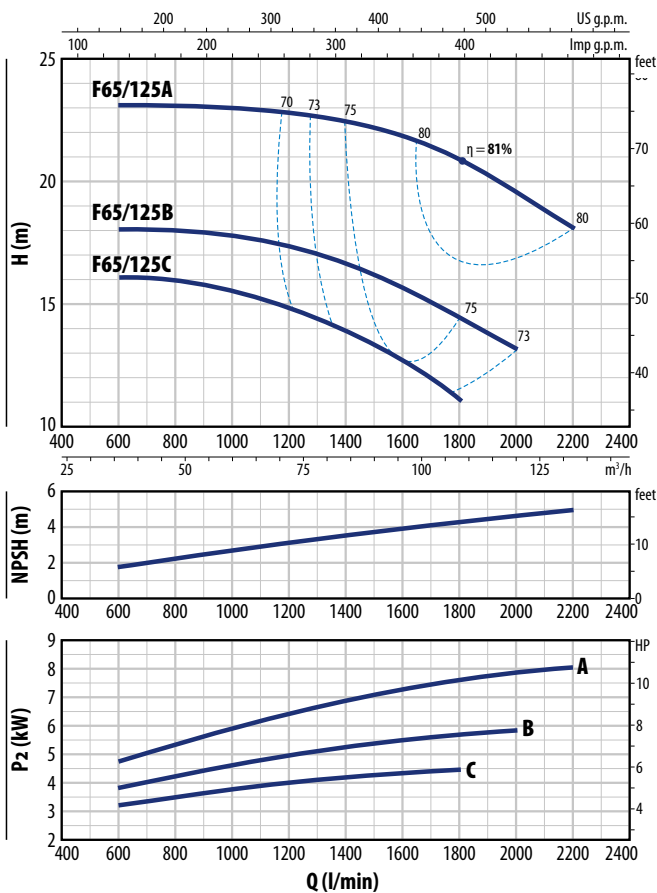
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

F 65

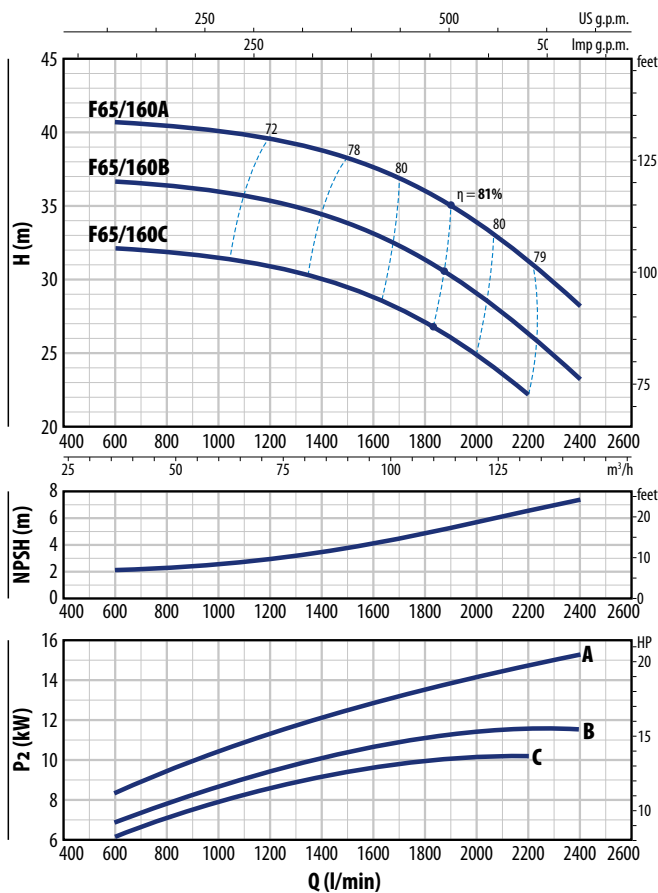
CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz

F 65/125



F 65/160



F 65/125

TYPE	POWER (P ₂)		3~	Q	m ³ /h									
	kW	HP			0	36	48	60	72	84	96	108	120	132
Three-phase					0	600	800	1000	1200	1400	1600	1800	2000	2200
F 65/125C	4	5.5	IE3	H m	16	16	16	15.5	14.5	13.5	12.5	11		
F 65/125B	5.5	7.5			18	18	18	18	17	16.5	15.5	14.5	13	
F 65/125A	7.5	10			23	23	23	23	22.5	22.5	22	21	19.5	18

F 65/160

TYPE	POWER (P ₂)		3~	Q	m ³ /h	0	36	48	60	72	84	96	108	120	132	144
Three-phase	kW	HP			l/min	0	600	800	1000	1200	1400	1600	1800	2000	2200	2400
F 65/160C	9.2	12.5	IE3	H	m	32	32	32	32	32	30	29	27	25	22	
F 65/160B	11	15			37	36.5	36.5	36	35.5	34	33	31	29	26	23	
F 65/160A	15	20			41	40.5	40.5	40	39.5	39	37.5	36	34	31	28	

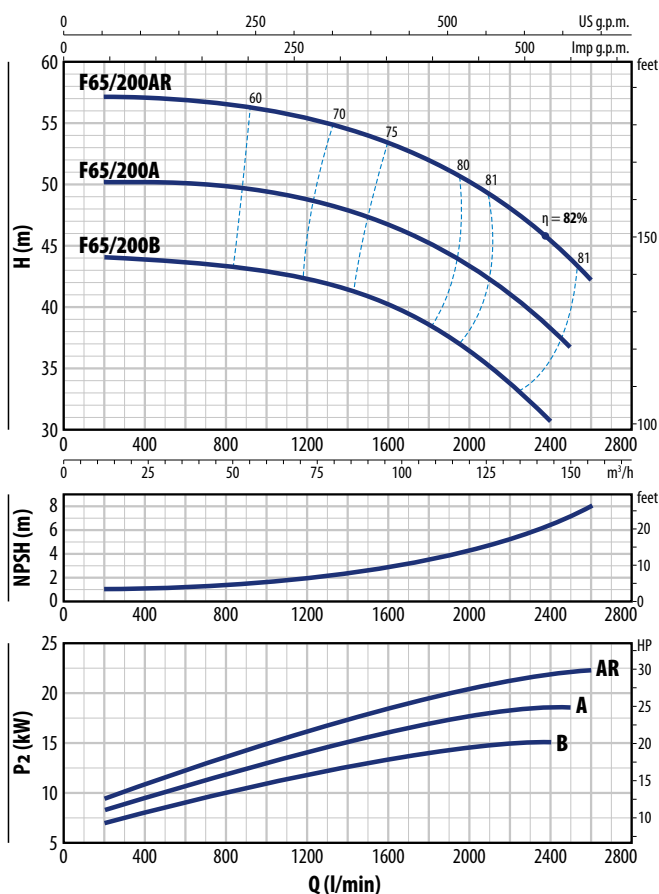
Q = Flow rate H = Total manometric head HS = Suction height

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

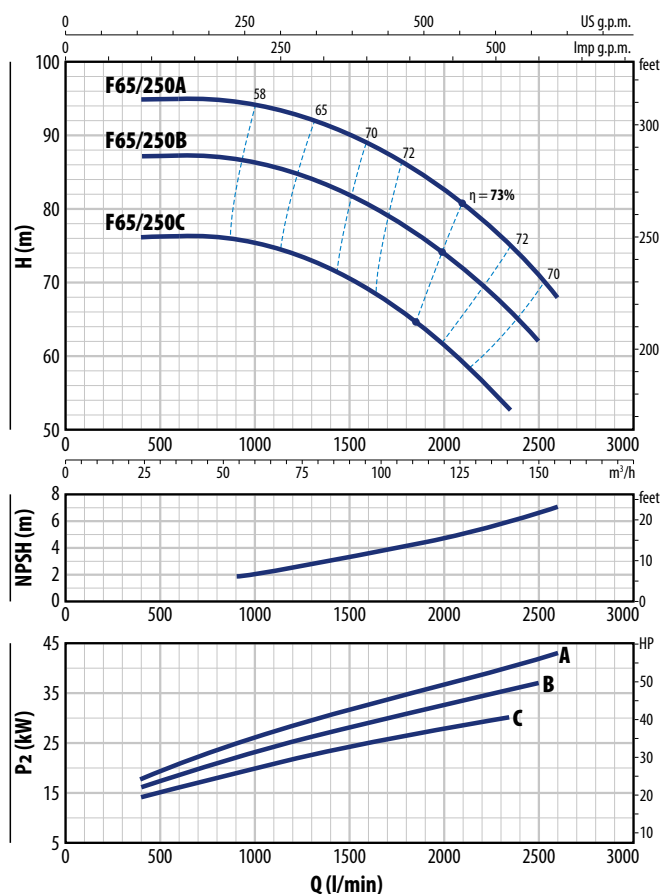
CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz

F 65/200



F 65/250



F 65/200

TYPE	POWER (P ₂)		3~	Q														
	kW	HP			m³/h	12	36	48	60	72	84	96	108	120	132	144	150	156
Three-phase					l/min	200	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2500	2600
F 65/200B	15	20	IE3	H m		44	43.5	43.3	43	42.5	41.5	40	38.5	36.5	34	30.5		
F 65/200A	18.5	25				50	50	50	49.5	49	48	46.5	45	43	41	38	36.5	
F 65/200AR	22	30				57	57	57	56	55.5	54.5	53.5	52	50	48	45.5	43.5	42

F 65/250

TYPE	POWER (P ₂)		3~	Q	m³/h	24	40	60	80	100	120	141	150	156
Three-phase	kW	HP			l/min	400	667	1000	1333	1667	2000	2350	2500	2600
F 65/250C	30	40	IE3	H m		76	76	75.5	72.5	68	61.5	53		
F 65/250B	37	50				87	87	86	84	80	74	66.5	62	
F 65/250A	45	60				95	95	94	92	88	82.5	75	71	68

Q = Flow rate H = Total manometric head HS = Suction height

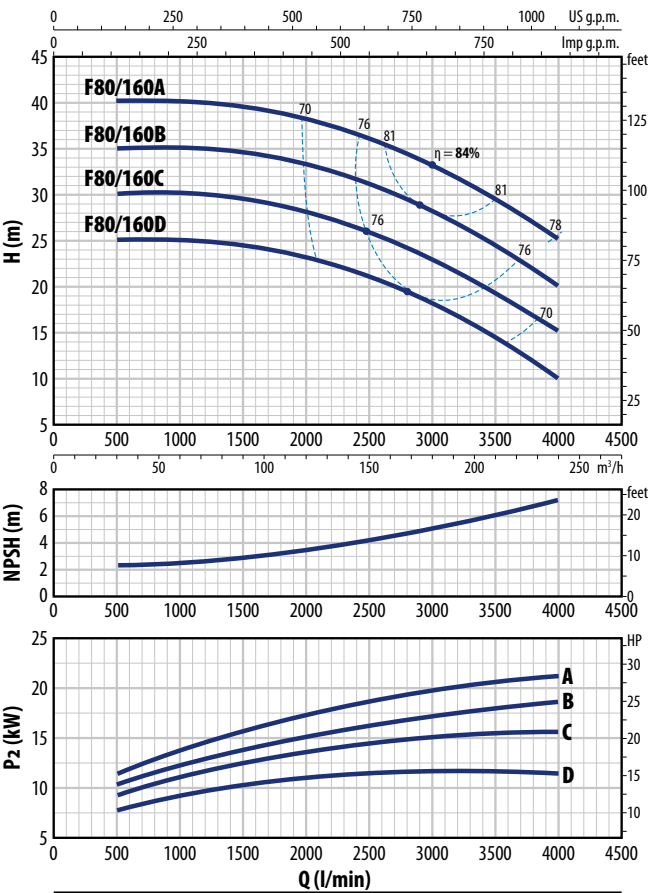
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

F 80

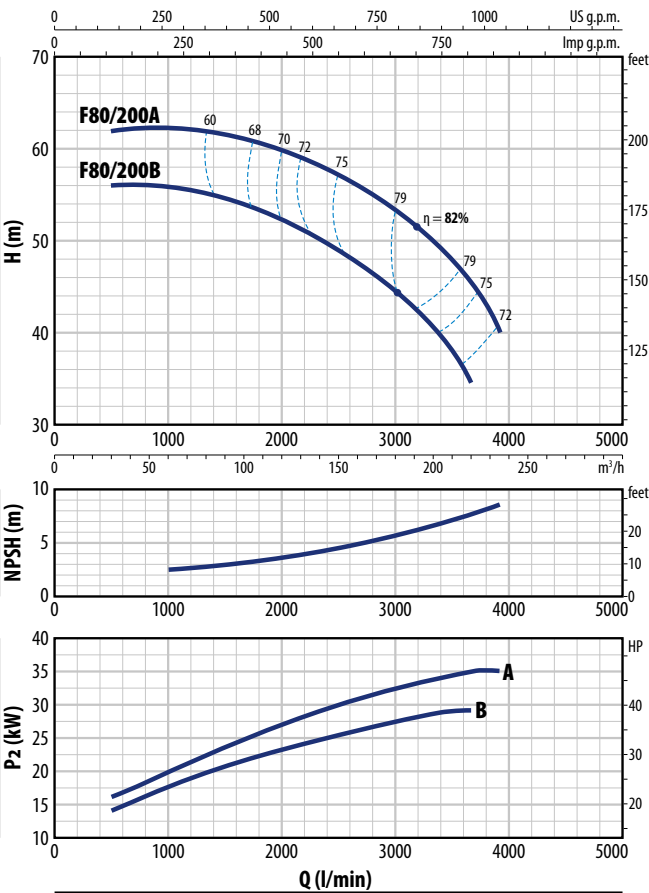
CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz

F 80/160



F 80/200



F 80/160

TYPE	POWER (P ₂)		3~	Q	m ³ /h								
	kW	HP			0	30	60	90	120	150	180	210	240
Three-phase				l/min	0	500	1000	1500	2000	2500	3000	3500	4000
F 80/160D	11	15	IE3	H m	25	25	25	24.5	23.5	21	18	14.5	10
F 80/160C	15	20			30	30	30	29.5	28.5	26	23	19.5	15
F 80/160B	18.5	25			35	35	35	34.5	33.5	31	28.5	24.5	20
F 80/160A	22	30			40	40	40	39.5	38.5	36	33	29.5	25

F 80/200

TYPE	POWER (P ₂)		3~	Q m ³ /h l/min	30	50	100	150	200	219	234
Three-phase	kW	HP			500	833	1667	2500	3333	3650	3900
F 80/200B	30	40	IE3	H m	56	56	54	49	41	34.5	
F 80/200A	37	50			62	62	61	57	50	45.5	40

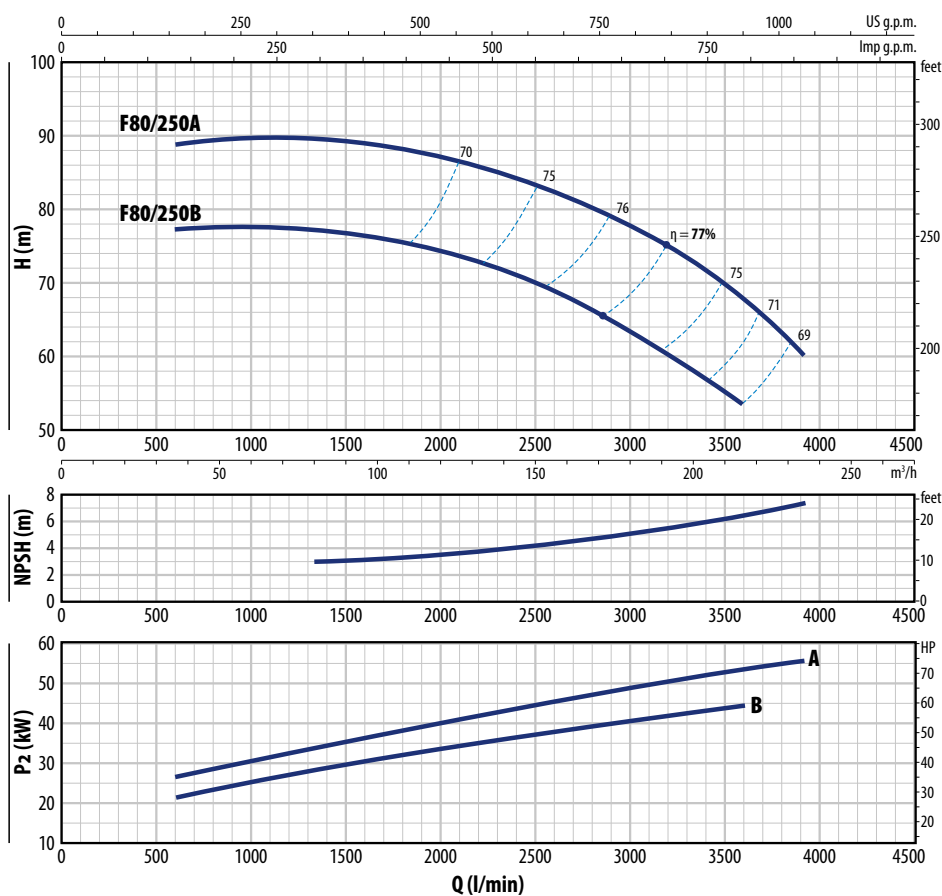
Q = Flow rate H = Total manometric head HS = Suction height

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz

F 80/250



F 80/250

TYPE	POWER (P ₂)		3~	Q m³/h l/min	36	50	100	150	200	216	234
Three-phase	kW	HP			600	833	1667	2500	3333	3600	3900
F 80/250B	45	60	IE3	H m	77	77.5	76	70.5	58.5	54	
F 80/250A	55	75			88.5	89.5	89	83	72	68	60

Q = Flow rate H = Total manometric head HS = Suction height

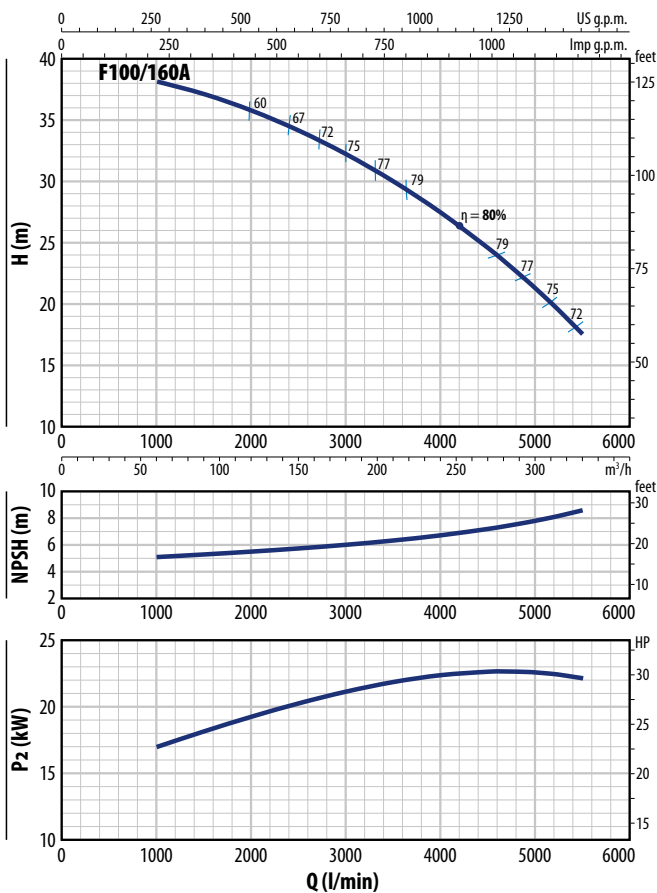
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

F 100

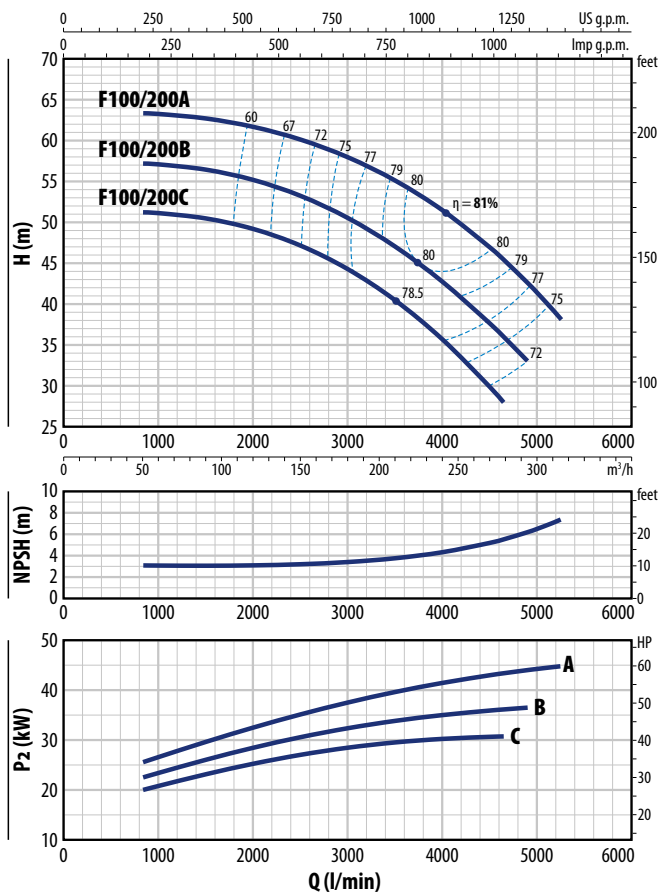
CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz

F 100/160



F 100/200



F 100/160

TYPE	POWER (P ₂)		3~	Q	m ³ /h	60	90	120	150	180	210	240	270	300	312	330
Three-phase	kW	HP			l/min	1000	1500	2000	2500	3000	3500	4000	4500	5000	5200	5500
F 100/160A	22	30	IE3	H	metres	38	37	36	34	32	30	27.5	24.5	21	20	17.5

F 100/200

TYPE	POWER (P ₂)		3~	Q	m ³ /h	0	50	96	150	180	210	240	279	294	300	315
Three-phase	kW	HP			l/min	0	833	1600	2500	3000	3500	4000	4650	4900	5000	5250
F 100/200C	30	40	IE3	H	m	51	51	50	47	44	40.5	35.5	28			
F 100/200B	37	50			57	57	56	53	50.5	47	42.5	36	33			
F 100/200A	45	60			63	63	62.5	60	58	55	51.5	45	42.5	41.5	38	

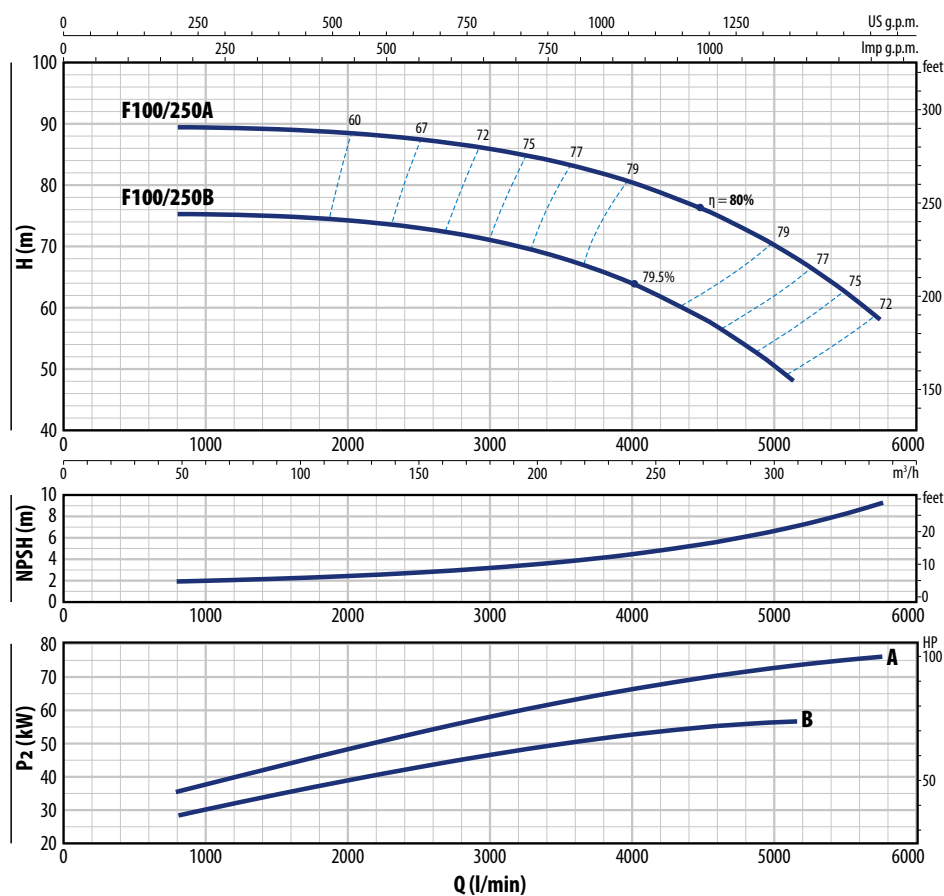
Q = Flow rate H = Total manometric head HS = Suction height

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

CURVES AND PERFORMANCE DATA – HS=0 m

60 Hz

F 100/250



F 100/250

TYPE	POWER (P ₂)		3~	Q m³/h l/min	48	96	150	180	210	240	300	309	345
Three-phase	kW	HP			800	1600	2500	3000	3500	4000	5000	5150	5750
F 100/250B	55	75	IE3	H m	75	75	73	71	68	64	50.5	48	
F 100/250A	75	100			89	89	87.5	86	83.5	80.5	70	68	58

Q = Flow rate H = Total manometric head HS = Suction height

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

ABSORPTION

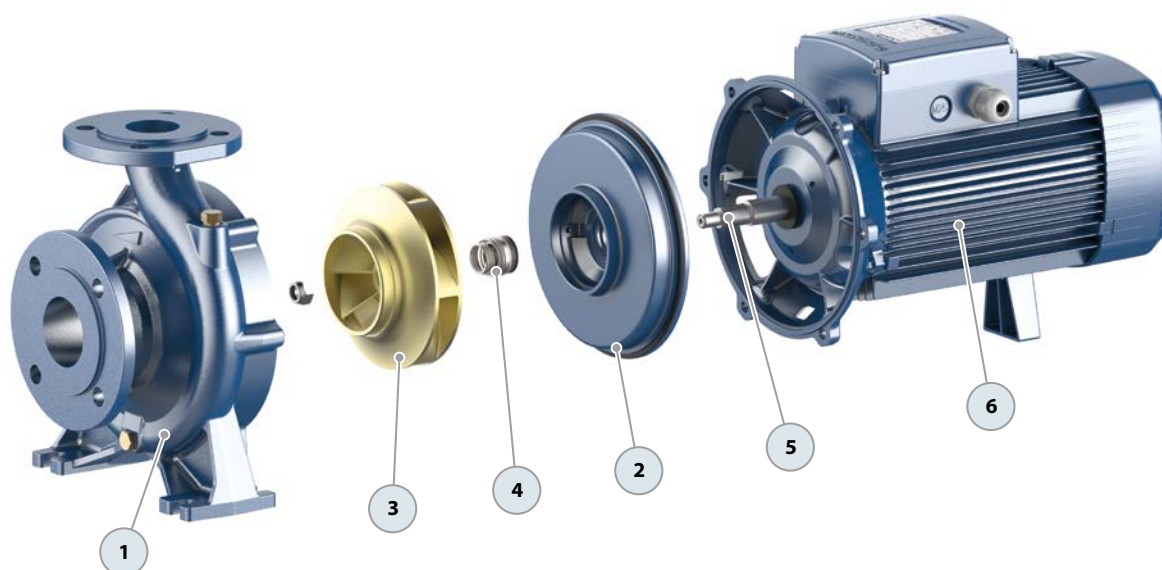
TYPE	VOLTAGE
Single-ph.	220 V
Fm 32/160C	11.0 A
Fm 32/160B	15.0 A
Fm 40/125C	8.0 A
Fm 40/125B	11.0 A
Fm 40/160C	15.0 A
Fm 50/125C	13.0 A

TYPE	VOLTAGE			
Three-phase	220 V - Δ	380 V - 人	220 V - Δ	440 V - 人
F 32/160C	7.8 A	4.5 A	6.0 A	3.9 A
F 32/160B	10.0 A	5.8 A	7.6 A	4.5 A
F 32/160A	14.7 A	8.5 A	12.0 A	7.0 A
F 32/200C	18.9 A	10.9 A	18.5 A	12.3 A
F 32/200B	24.0 A	13.9 A	22.0 A	13.8 A
F 32/200A	27.0 A	15.6 A	27.0 A	18.0 A
F 32/200BH	13.5 A	7.8 A	12.7 A	7.7 A
F 32/200AH	18.0 A	10.4 A	17.5 A	11.0 A
F 32/250C	38.0 A	22.0 A	39.8 A	20.0 A
F 32/250B	43.0 A	25.0 A	36.5 A	21.0 A
F 32/250A	57.0 A	33.0 A	60.0 A	34.0 A
F 40/125C	6.0 A	3.5 A	6.2 A	3.5 A
F 40/125B	8.1 A	4.7 A	6.4 A	4.1 A
F 40/125A	10.0 A	5.8 A	9.5 A	5.5 A
F 40/160C	10.0 A	5.8 A	8.7 A	5.0 A
F 40/160B	13.5 A	7.8 A	11.7 A	6.8 A
F 40/160A	20.9 A	12.1 A	19.5 A	12.5 A
F 40/200B	28.5 A	16.5 A	22.7 A	15.4 A
F 40/200A	30.9 A	17.8 A	28.5 A	18.0 A
F 40/250C	38.0 A	22.0 A	38.0 A	20.0 A
F 40/250B	43.0 A	25.0 A	36.5 A	21.0 A
F 40/250A	57.0 A	33.0 A	60.0 A	34.0 A
F 50/125C	10.7 A	6.2 A	9.8 A	6.7 A
F 50/125B	11.3 A	6.5 A	12.1 A	6.5 A
F 50/125A	18.2 A	10.5 A	19.0 A	12.5 A
F 50/160C	17.7 A	10.3 A	16.4 A	12.5 A
F 50/160B	21.0 A	12.0 A	20.8 A	13.5 A
F 50/160A	28.0 A	16.5 A	26.7 A	17.5 A
F 50/200C	46.0 A	26.5 A	47.0 A	25.0 A
F 50/200B	56.0 A	32.0 A	58.0 A	30.0 A
F 50/200A	67.5 A	39.0 A	70.0 A	36.0 A
F 50/200AR	87.0 A	51.0 A	78.0 A	45.0 A

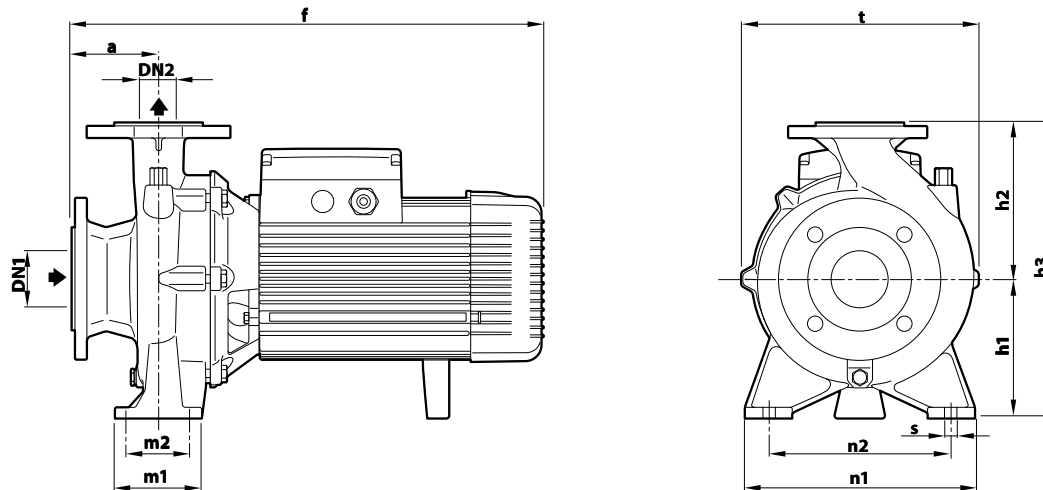
TYPE	VOLTAGE			
Three-phase	220 V - Δ	380 V - 人	220 V - Δ	440 V - 人
F 50/250D	32.5 A	18.5 A	29.5 A	17.0 A
F 50/250C	44.0 A	25.0 A	36.5 A	21.0 A
F 50/250B	52.0 A	30.0 A	50.0 A	26.0 A
F 50/250A	64.0 A	37.0 A	66.0 A	36.0 A
F 50/250AR	82.0 A	48.0 A	76.0 A	42.0 A
F 65/125C	18.0 A	10.4 A	19.5 A	12.5 A
F 65/125B	22.5 A	13.0 A	22.0 A	13.8 A
F 65/125A	32.0 A	18.5 A	32.0 A	19.5 A
F 65/160C	37.0 A	21.5 A	37.0 A	24.0 A
F 65/160B	47.0 A	27.0 A	48.0 A	26.0 A
F 65/160A	55.0 A	32.0 A	53.0 A	28.0 A
F 65/200B	56.2 A	32.5 A	58.5 A	32.0 A
F 65/200A	73.5 A	42.5 A	70.0 A	36.0 A
F 65/200AR	97.0 A	56.0 A	79.0 A	48.0 A
F 65/250C	110.0 A	64.0 A	100.0 A	55.0 A
F 65/250B	121.0 A	70.0 A	120.0 A	63.0 A
F 65/250A	153.0 A	88.0 A	140.0 A	75.0 A
F 80/160D	45.0 A	26.0 A	50.0 A	27.0 A
F 80/160C	59.0 A	34.0 A	60.0 A	30.0 A
F 80/160B	66.0 A	38.0 A	66.0 A	36.0 A
F 80/160A	93.5 A	54.0 A	79.0 A	48.0 A
F 80/200B	106.0 A	61.0 A	100.0 A	55.0 A
F 80/200A	121.0 A	70.0 A	111.0 A	58.0 A
F 80/250B	153.0 A	88.0 A	140.0 A	75.0 A
F 80/250A	194.0 A	112.0 A	–	–
F 100/160A	81.5 A	47.0 A	76.0 A	43.0 A
F 100/200C	110.0 A	64.0 A	100.0 A	55.0 A
F 100/200B	121.0 A	70.0 A	120.0 A	63.0 A
F 100/200A	153.0 A	88.0 A	140.0 A	75.0 A
F 100/250B	166.0 A	94.0 A	–	–
F 100/250A	228.0 A	132.0 A	240.0 A	120.0 A

MATERIALS AND COMPONENTS

1	Pump body	Cast iron, fitted with inlet and outlet flanged ports			
2	Cover/Motor bracket	Cast iron			
3	Impeller	Brass	for F32/160 - F32/200 - F40/125 - F40/160 - F40/200 - F50/125 - F50/160		
		Cast iron	for F32/250 - F40/250 - F50/200 - F50/250 - F65/125 - F65/160 - F65/200 - F65/250 F80/160 - F80/200 - F80/250 - F100/160 - F100/200 - F100/250		
4	Mechanical seal	Water pump	Seal	Shaft	Materials
		F32/160 - F40/125 - F40/160 - F50/125	FN-20	Ø 20 mm	Graphite Ceramic NBR
		F32/200 - F40/200 - F50/160 - F65/125	FN-24	Ø 24 mm	
		F50/200 - F65/160 - F65/200 - F80/160 - F100/160	FN-32 NU	Ø 32 mm	
		F32/250 - F40/250 - F50/250	FN-38	Ø 38 mm	
		F65/250 - F80/200 - F80/250B - F100/200	FN-40 NU	Ø 40 mm	
		F80/250A - F100/250	FH-45 NU	Ø 45 mm	
5	Motor shaft	Stainless steel AISI 431			
6	Electric motor	Fm: single-phase 220 V - 60 Hz with winding integrated thermal motor protection (up to 1.5 kW) F: three-phase 220/380 V - 60 Hz or 220/240 V - 60 Hz – The three-phase pump is fitted with a high performance motor in class IE3 (IEC 60034-30-1) – Continuous running duty S1			

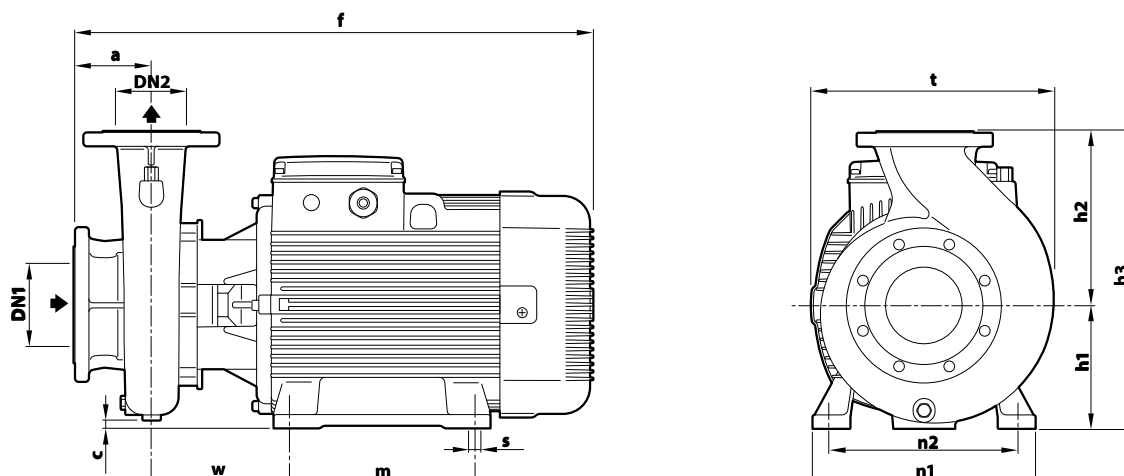


DIMENSIONS AND WEIGHT



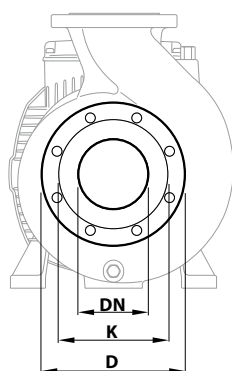
TYPE		PORTS		DIMENSIONS mm											kg																
Single-ph.	Three-ph.	DN1	DN2	a	f	h1	h2	h3	t	n1	n2	m1	m2	s	1~	3~															
Fm 32/160C	F 32/160C	50	32	80	416	132	160	292	240	245	190	100	70	14	32.6	32.5															
Fm 32/160B	F 32/160B				436										35.3	36.0															
-	F 32/160A				473										-	39.0															
-	F 32/200C				478	160	180	340	273			95			70		-	46.0													
-	F 32/200B																-	50.0													
-	F 32/200A																-	57.0													
-	F 32/200BH				528												-	41.7													
-	F 32/200AH			478	-								45.0																		
-	F 32/250C			100	659	180	225	405	325	320	250	125	95		-	105.0															
-	F 32/250B														-	103.3															
-	F 32/250A														-	121.0															
Fm 40/125C	F 40/125C	65	40	80	421	112	140	252	244	210	160	100	70		31.5	31.0															
Fm 40/125B	F 40/125B				441										33.0	32.4															
-	F 40/125A				435										-	35.3															
Fm 40/160C	F 40/160C				473	132	160	292	241	240	190				100	70		35.3	36.0												
-	F 40/160B				100													498										-	36.1		
-	F 40/160A																											-	43.0		
-	F 40/200B																	548	-	52.4											
-	F 40/200A			659		180	225	405	329			125	95		-	59.0															
-	F 40/250C														-	105.0															
-	F 40/250B														-	105.0															
-	F 40/250A														-	128.5															
Fm 50/125C	F 50/125C	65	50	100	455	132	160	292	242	240	190	100	70		34.4	35.1															
-	F 50/125B				493										-	35.2															
-	F 50/125A				498	160	180	340	273						265	212	100	70		-	42.0										
-	F 50/160C				548					200	360									316.5						-	45.5				
-	F 50/160B				669																					-	51.0				
-	F 50/160A				769				-																	57.0					
-	F 50/200C				768.5	-	100.0																								
-	F 50/200B				125	705	180	200	360																	336					
-	F 50/200A			-						127.0																					
-	F 50/200AR			-						143.0																					
-	F 50/250D			659		180				225	405	333						-	105.0												
-	F 50/250C						-	108.0																							
-	F 50/250B						-	121.0																							
-	F 50/250A			759		180	225	405	330						-	134.0															
-	F 50/250AR				-										149.0																
-	F 65/125C	80	65		125										520	160	180	340	292	280	212	125	95		-	53.4					
-	F 65/125B			570		-	58.0																								
-	F 65/125A			674		200	360	295	336						-										64.0						
-	F 65/160C			676											200	360	295	336							-	100.0					
-	F 65/160B																								-	100.0					
-	F 65/160A																								-	112.0					
-	F 65/200B			776	180	225	405	336							-	119.3															
-	F 65/200A														-	132.0															
-	F 65/200AR														-	147.0															
-	F 80/160D														100	80	125	705	180						225	405	330				
-	F 80/160C	805	-	121.0																											
-	F 80/160B	-	133.0																												
-	F 80/160A	-	145.0																												
-	F 100/160A	125	100	-	818	200	280	480	382	360	280	160	120	18	-	165.0															

DIMENSIONS AND WEIGHT



TYPE	PORTS		DIMENSIONS mm												kg
Three-ph.	DN1	DN2	a	f	h1	h2	h3	c	t	n1	n2	w	m	s	3~
F 65/250C	80	65	100	809	200	250	450	15	377	360	318	214.5	305	19	211.0
F 65/250B															225.0
F 65/250A															239.0
F 80/200B	100	80	125	837	200	250	450	25	372	360	318	217.5	305	19	203.0
F 80/200A															218.0
F 80/250B															249.0
F 80/250A				1015	250	280	620	55	490	490	400	294	350	24	547.0
F 100/200C	125	100	125	839	200	280	480	-	395	360	318	219.5	305	19	217.0
F 100/200B															231.0
F 100/200A															245.0
F 100/250B			140	1060	250	280	620	40	485	485	406	313	350	24	551.2
F 100/250A															544.3

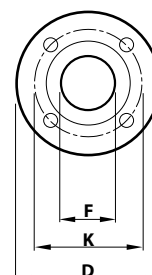
PORT FLANGES



DN FLANGE	D	K	HOLES	
mm	mm	mm	N°	Ø (mm)
32	140	100	4	18
40	150	110		
50	165	125		
65	185	145		
80	200	160	8	
100	220	180		
125	250	210		

COUNTER-FLANGE

(CAN BE ORDERED SEPARATELY)



DN FLANGE	F	D	K	HOLES	
mm	COUNTER-FLANGE	mm	mm	N°	Ø (mm)
32	1¼"	140	100	4	18
40	1½"	150	110		
50	2"	165	125		
65	2½"	185	145		
80	3"	200	160	8	
100	4"	220	180		
125	5"	250	210		