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INDEX

FM Series

FM45	1
FM45BR	2
FM80	3
FM50	4
FM50BR	5
FM100	6

FAM Series

FAM100	7
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FB Series

FB160	8
FB210	9

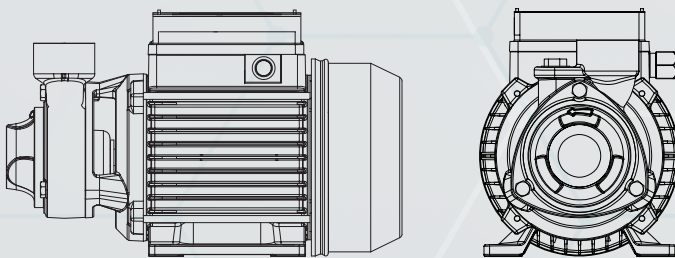
FS Series

FS100	10
FS150	11
FS200	12

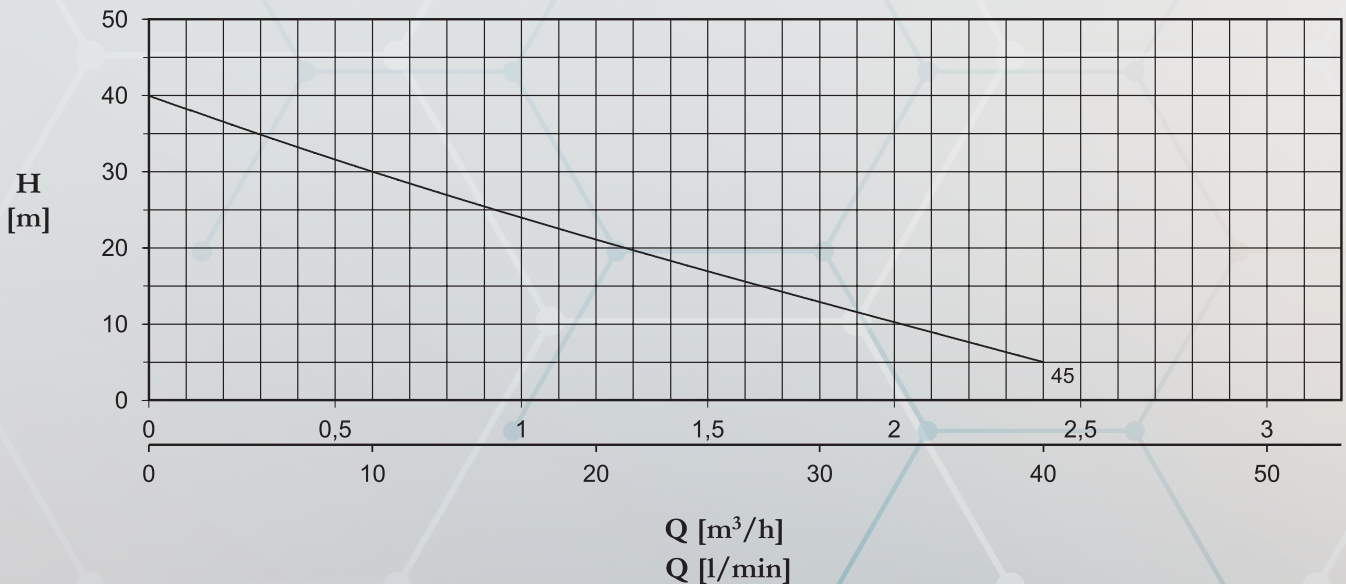
Contact	13
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FM Serie (FM45)

NO	Item	Material
1	Pump body	bronze
2	Motor bracket	aluminium
3	Impeller	brass
4	Mechanical seal	ceramic / graphite
5	Motor shaft	stainless steel 304
6	Liquid temperature	brass impeller: 0 - 90 °C
7	Operating pressure	max 4 bar (FM45)
8	2 pole induction motor	1~ 230 V-50Hz with thermal protection
9	Insulation class	F
10	Protection degree	IP44



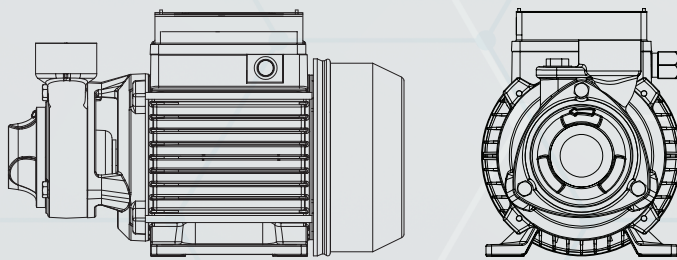
Q (l/min): 5 - 35		H.Max (m): 40	
HP: 0.5	kW: 0.37	V: 220	A: 2.3
PF: 10	Cl: F	IP: 44	Hz: 50
Size: 1" x 1"	RPM: 2800	T max liquid: 90 °C	
Continuous Duty		Overload protector Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	



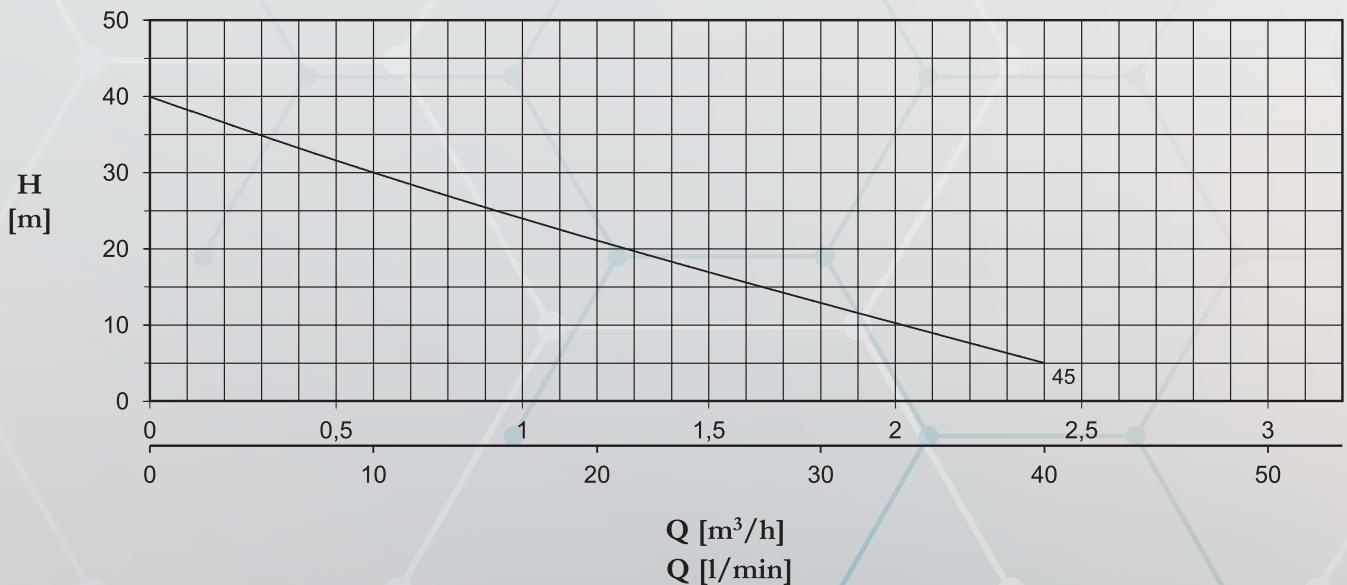
TYPE	P2		P1 (kW)	AMPERE	Q (m³/h - l/min)							
					0	0,3	0,6	1,2	1,8	2,4	2,7	3
1~			1~	1~	0	5	10	20	30	40	45	50
	(HP)	(kW)		1x230V 50 Hz	H (m)							
FM45	0,5	0,37	0,5	2,3	40	35	30	21	13	5	-	-

FM Serie (FM45BR)

NO	Item	Material
1	Pump body	bronze
2	Motor bracket	aluminium
3	Impeller	brass
4	Mechanical seal	ceramic / graphite
5	Motor shaft	stainless steel 316L
6	Liquid temperature	brass impeller: 0 - 90 °C
7	Operating pressure	max 3.5 bar (FM45BR)
8	2 pole induction motor	1~ 230 V-50Hz with thermal protection
9	Insulation class	F
10	Protection degree	IP44



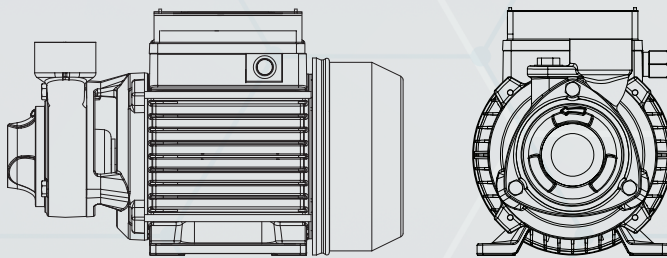
Q (l/min): 5 - 35		H.Max (m): 40	
HP: 0.5	kW: 0.37	V: 220	A: 2.3
µF: 10	Cl: F	IP: 44	Hz: 50
Size: 1" x 1"	RPM: 2800	T max liquid: 90 °C	
Continuous Duty		Overload protector Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	



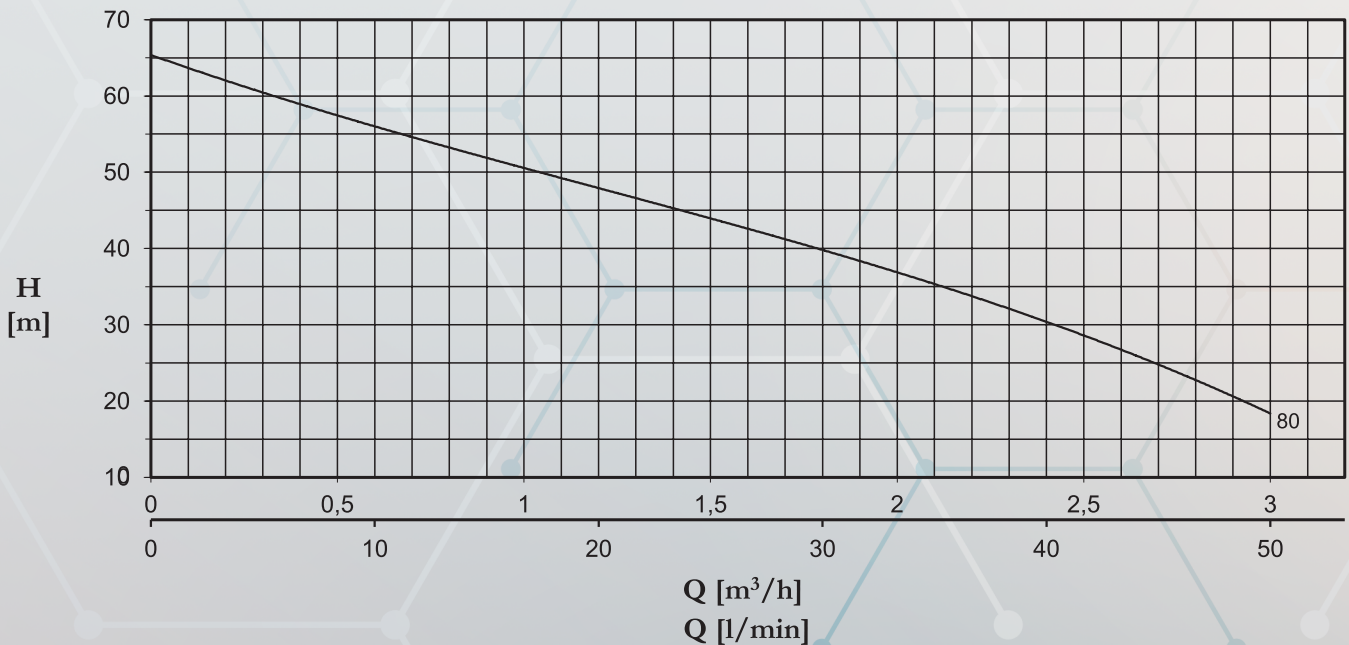
TYPE	P2		P1 (kW)	AMPERE	Q (m³/h - l/min)							
					0	0,3	0,6	1,2	1,8	2,4	2,7	3
1~	(HP)	(kW)	1~	1x230V 50 Hz	H (m)							
					40	35	30	21	13	5	-	-
FM45BR	0,5	0,37	0,5	2,3	40	35	30	21	13	5	-	-

FM Serie (FM80)

NO	Item	Material
1	Pump body	cast iron
2	Motor bracket	aluminium
3	Impeller	brass
4	Mechanical seal	ceramic / graphite
5	Motor shaft	stainless steel 304
6	Liquid temperature	brass impeller: 0 - 90 °C
7	Operating pressure	max 5.5 bar (FM80)
8	2 pole induction motor	1~ 230 V-50Hz with thermal protection
9	Insulation class	F
10	Protection degree	IP44



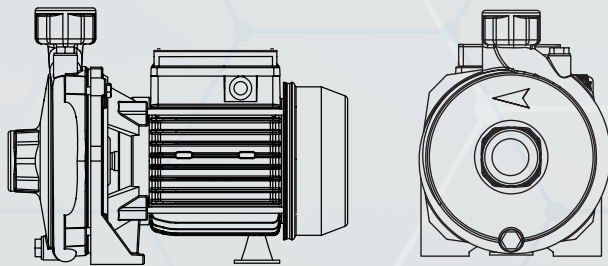
Q (l/min): 5 - 50		H.Max (m): 55	
HP: 1	kW: 0.74	V: 220	A: 5.6
µF: 10	Cl: F	IP: 44	Hz: 50
Size: 1" x 1"	RPM: 2800	T max liquid: 90 °C	
Continuous Duty		Overload protector Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	



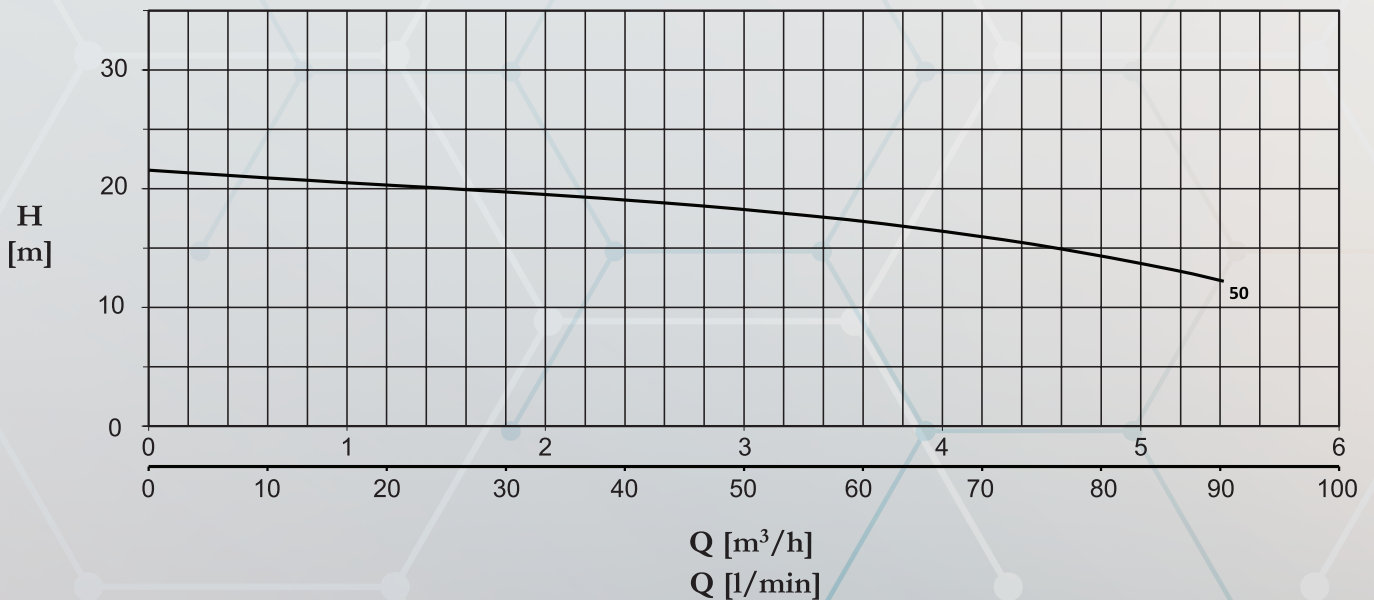
TYPE	P2		P1 (kW)	AMPERE	Q (m³/h - l/min)							
					0	0,3	0,6	1,2	1,8	2,4	2,7	3
1~	(HP)	(kW)	1~	1~	0	5	10	20	30	40	45	50
				1x230V 50 Hz	H (m)							
FM80	1,0	0,74	1,1	2,3	65	61	56	48	39	31	25	18

FM Serie (FM50)

NO	Item	Material
1	Pump body	cast iron
2	Motor bracket	aluminium
3	Impeller	stainless steel 304
4	Mechanical seal	ceramic / graphite
5	Motor shaft	stainless steel 304
6	Liquid temperature	brass impeller: 0 - 90 °C
7	Operating pressure	max 2.1 bar (FM50)
8	2 pole induction motor	1~ 230 V-50Hz with thermal protection
9	Insulation class	F
10	Protection degree	IP44



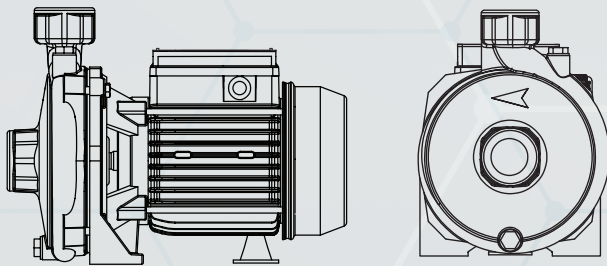
Q (l/min): 20 - 90		H.Max (m): 21	
HP: 0.5	kW: 0.37	V: 220	A: 2.8
µF: 10	Cl: F	IP: 44	Hz: 50
Size: 1" x 1"	RPM: 2850	T max liquid: 90 °C	
Continuous Duty		Overload protector Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	



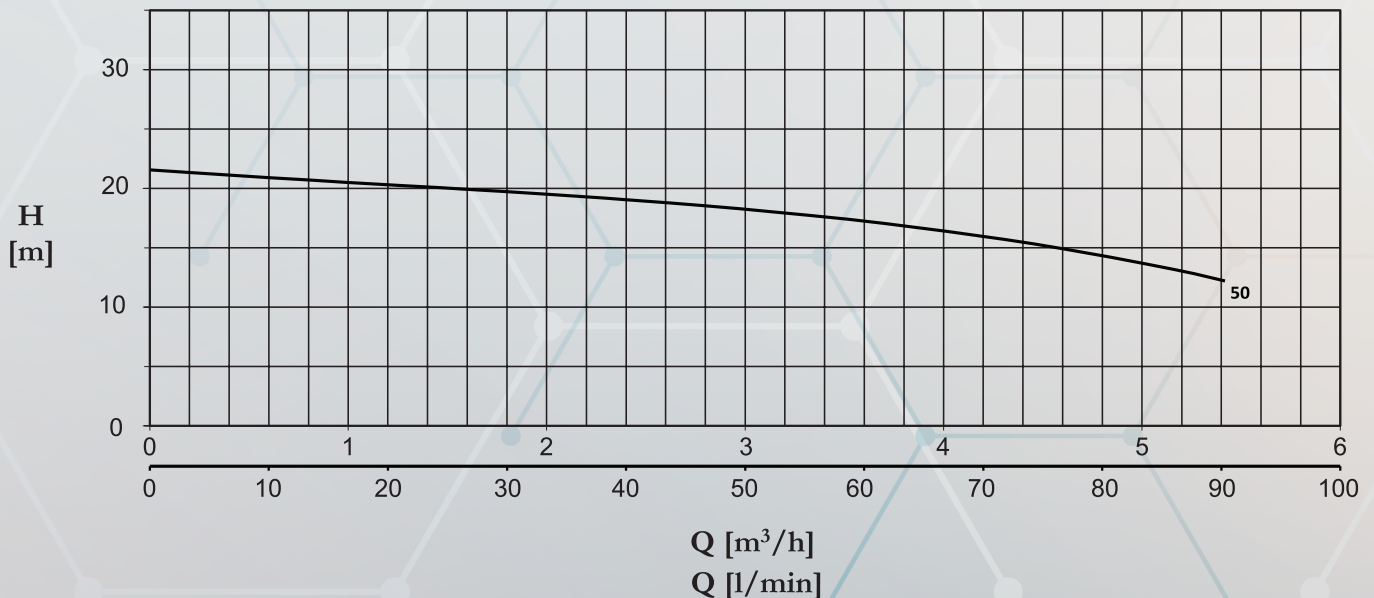
Model	P2		P1 (kW)	AMPERE	Q (m ³ /h - l/min)						
					0	1,2	2,4	3,6	4,2	4,8	5,4
1~	(HP) (kW)		1~	1x230V 50 Hz	0	20	40	60	70	80	90
					H (m)						
FM 50	0,5	0,37	0,59	2,8	21,5	20,5	19	17	15,8	15	12

FM Serie (FM50BR)

NO	Item	Material
1	Pump body	bronze
2	Motor bracket	aluminium
3	Impeller	stainless steel 304
4	Mechanical seal	ceramic / graphite
5	Motor shaft	stainless steel 316
6	Liquid temperature	brass impeller: 0 - 90 °C
7	Operating pressure	max 2.1 bar (FM50BR)
8	2 pole induction motor	1~ 230 V-50Hz with thermal protection
9	Insulation class	F
10	Protection degree	IP44



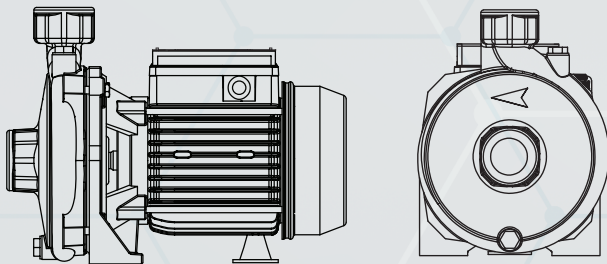
Q (l/min): 20 - 90		H.Max (m): 21	
HP: 0.5	kW: 0.37	V: 220	A: 2.8
PF: 10	Cl: F	IP: 44	Hz: 50
Size: 1" x 1"	RPM: 2850	T max liquid: 90 °C	
Continuous Duty		Overload protector Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	



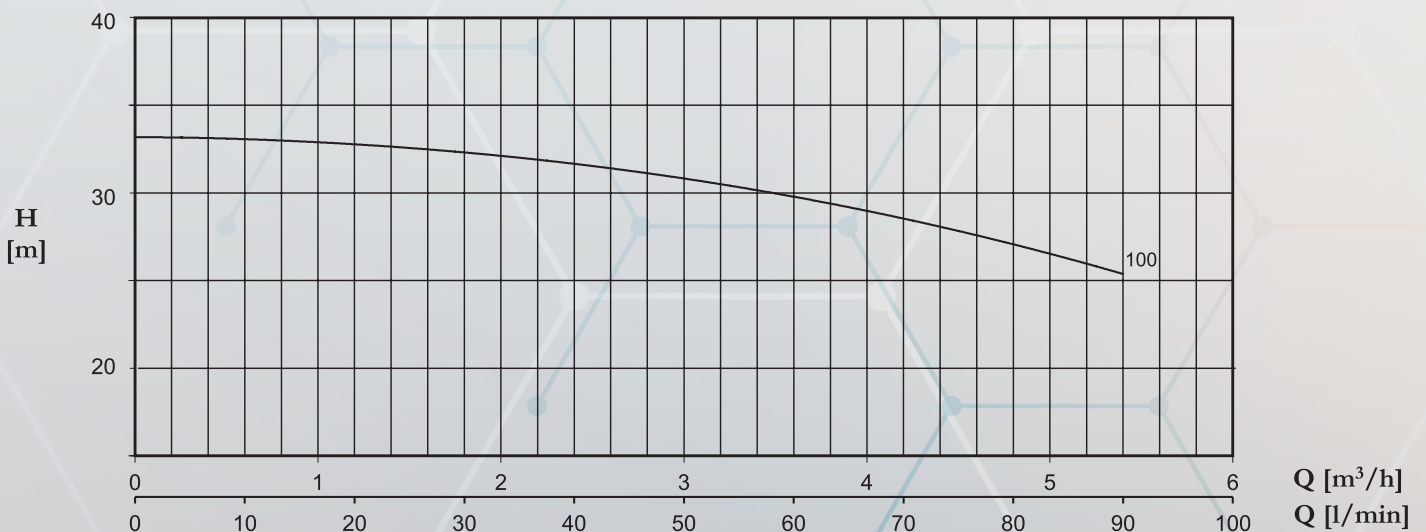
Model	P2		P1 (kW)	AMPERE	Q (m ³ /h - l/min)						
					0	1,2	2,4	3,6	4,2	4,8	5,4
1~	(HP) (kW)		1~	1~	0	20	40	60	70	80	90
					H (m)						
FM50BR	0,5	0,37	0,59	2,8	21,5	20,5	19	17	15,8	15	12

FM Serie (FM100)

NO	Item	Material
1	Pump body	cast iron
2	Motor bracket	aluminium
3	Impeller	stainless steel 304 / noryl
4	Mechanical seal	ceramic / graphite
5	Motor shaft	stainless steel 304
6	Liquid temperature	brass impeller: 0 - 90 °C
7	Operating pressure	max 3.3 bar (FM100)
8	2 pole induction motor	1~ 230 V-50Hz with thermal protection
9	Insulation class	F
10	Protection degree	IP44



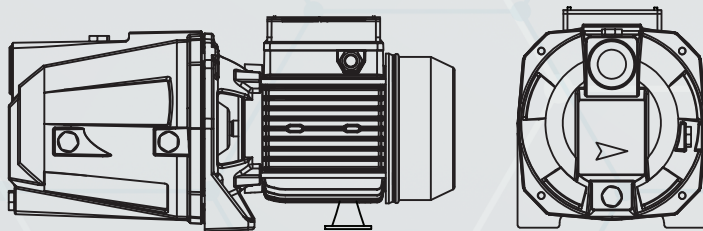
Q (l/min): 20 - 90		H.Max (m): 33	
HP: 1	kW: 0.74	V: 220	A: 4.6
pF: 20	Cl: F	IP: 44	H _z : 90
Size: 1" x 1"	RPM: 2850	T max liquid: 90 °C	
Continuous Duty		Overload protector Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	



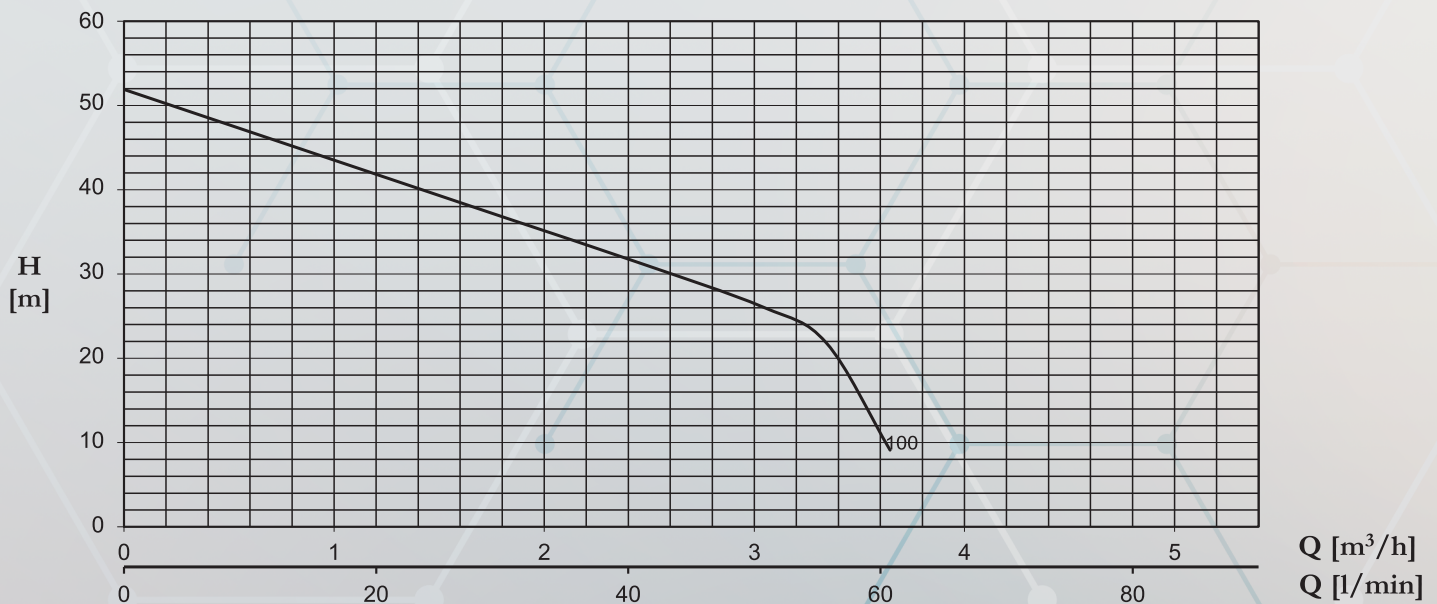
Model	P2		P1 (kW)	AMPERE	Q (m ³ /h - l/min)							
				1~	0	1,2	2,4	3,6	4,2	4,8	5,4	
1~			1~	1x230V 50 Hz	H (m)							
	(HP)	(kW)			33	32,5	31,5	29,6	28,3	26,8	25,2	
FM 100	1	0,74	1,16	5,7								

FAM Serie (FAM100)

NO	Item	Material
1	Pump body	cast iron
2	Motor bracket	aluminium
3	Impeller	stainless steel 304 / noryl
4	Mechanical seal	ceramic / graphite
5	Motor shaft	stainless steel 304
6	Liquid temperature	brass impeller: 0 - 90 °C
7	Operating pressure	max 5 bar (FAM100)
8	2 pole induction motor	1~ 230 V-50Hz with thermal protection
9	Insulation class	F
10	Protection degree	IP44



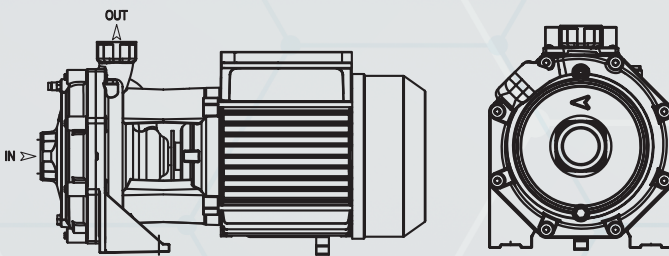
Q (l/min): 10 - 50		H.Max (m): 50	
HP: 1	kW: 0.74	V: 220	A: 4.7
µF: 20	Cl: F	IP: 44	Hz: 50
Size: 1" x 1"	RPM: 2850	T max liquid: 90 °C	
Continuous Duty		Overload protector Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	



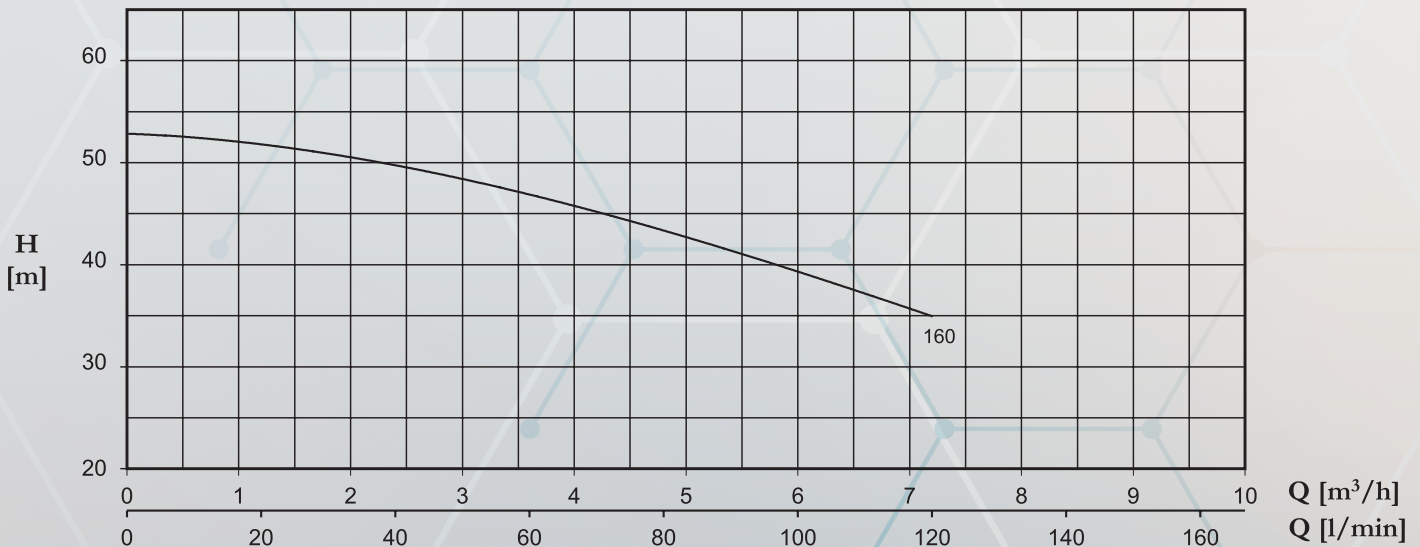
TYPE	P2		P1 (kW)	AMPERE	Q (m³/h - l/min)							
				1~	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8
1~	(HP)	(kW)	1~	1x230V 50 Hz	H (m)							
				FAM100	1	0,74	1,02	4,7	47	42	37	32

FB Serie (FB160)

NO	Item	Material
1	Pump body	cast iron
2	Motor bracket	aluminium
3	Impeller	stainless steel 304
4	Mechanical seal	ceramic / graphite
5	Motor shaft	stainless steel 304
6	Liquid temperature	brass impeller: 0 - 90 °C
7	Operating pressure	max 5.2 bar (FB160)
8	2 pole induction motor	1~ 230 V-50Hz with thermal protection
9	Insulation class	F
10	Protection degree	IP44



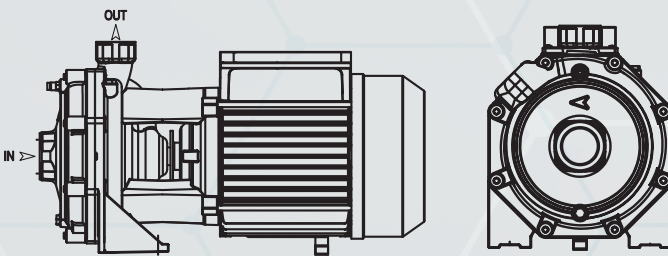
Q (l/min): 10 - 120		H.Max (m): 52	
HP: 1.5	kW: 1.1	V: 220	A: 10.2
µF: 35	Cl: F	IP: 44	Hz: 50
Size: 1" x 1¼"	RPM: 2850	T max liquid: 90 °C	
Continuous Duty		Overload protector Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	



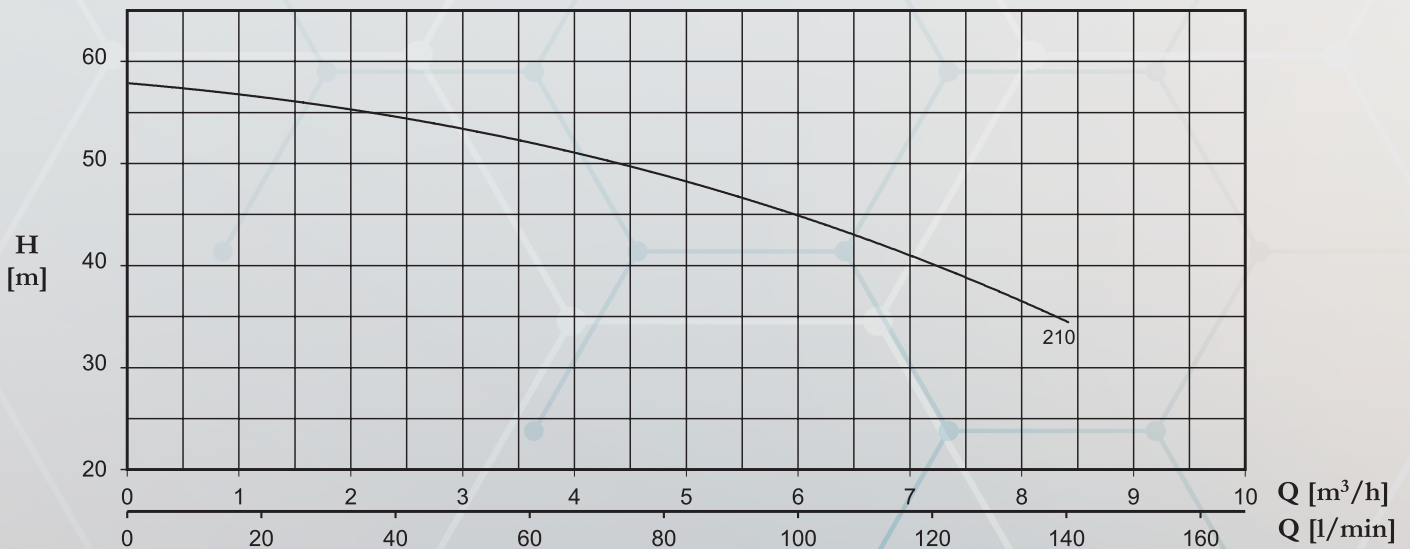
Model	P2		P1 (kW)	AMPERE	Q (m³/h - l/min)										
					0.6	1,2	1,8	2,4	3,6	4,8	6	7,2	8,4		
1~	(HP)	(kW)	1~	1~	10	20	30	40	60	80	100	120	140		
				1x230V 50 Hz	H (m)										
FB160	1,5	1,1	1,3	10,2	52,5	52	51	50	46,9	43,3	39,7	35	-		

FB Serie (FB210)

NO	Item	Material
1	Pump body	cast iron
2	Motor bracket	aluminium
3	Impeller	stainless steel 304
4	Mechanical seal	ceramic / graphite
5	Motor shaft	stainless steel 304
6	Liquid temperature	brass impeller: 0 - 90 °C
7	Operating pressure	max 5.6 bar (FB210)
8	2 pole induction motor	1~ 230 V-50Hz with thermal protection
9	Insulation class	F
10	Protection degree	IP44



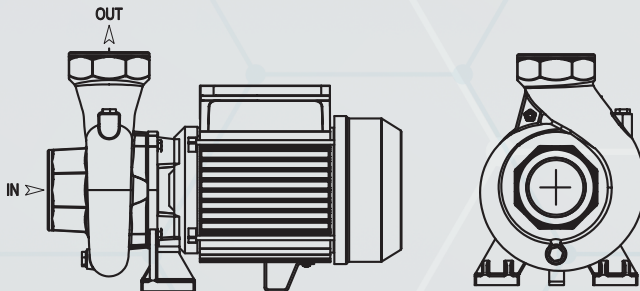
Q (l/min): 10 - 140		H.Max (m): 55	
HP: 2	kW: 1.5	V: 220	A: 11.2
µF: 50	Cl: F	IP: 44	Hz: 50
Size: 1" x 1¼"	RPM: 2850	T max liquid: 90 °C	
Continuous Duty		Overload protector Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	



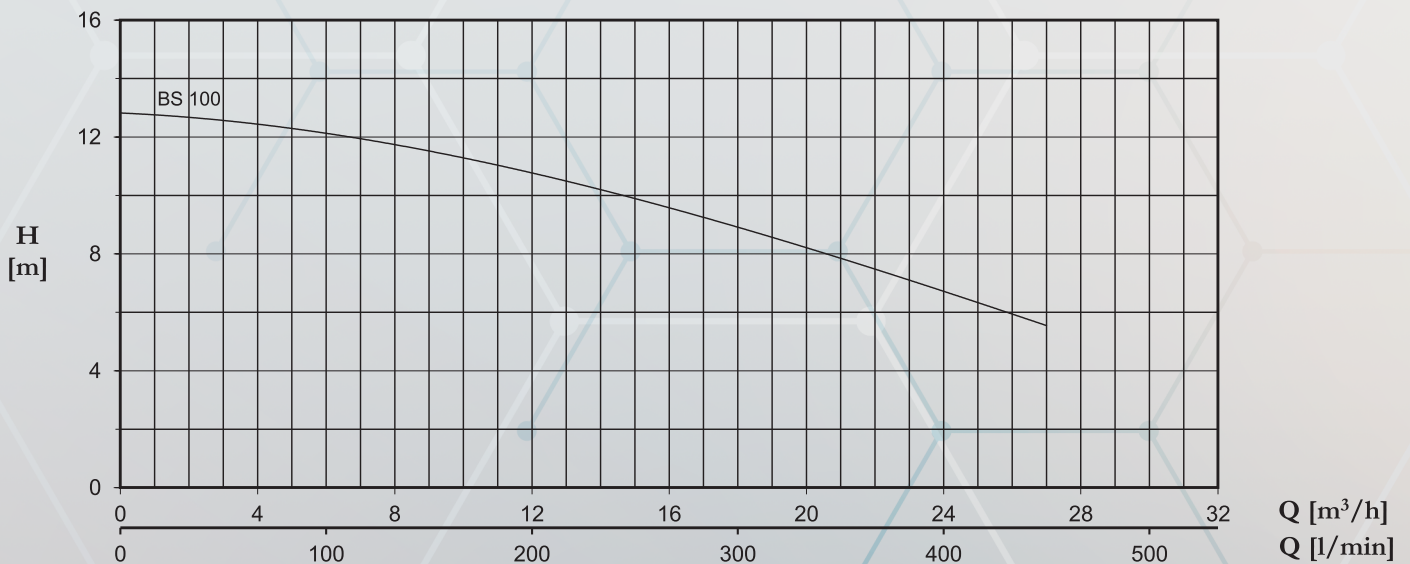
Model	P2		P1 (kW)	AMPERE	Q (m³/h - l/min)									
					1~	0,6	1,2	1,8	2,4	3,6	4,8	6	7,2	8,4
1~	(HP)	(kW)	1~	1x230V 50 Hz	H (m)									
					2	1,5	2,6	11,5	56,9	56	55	54	51	48
FB210	2	1,5	2,6	11,5	56,9	56	55	54	51	48	44	39	34	

FS Serie (FS100)

NO	Item	Material
1	Pump body	cast iron
2	Motor bracket	aluminium
3	Impeller	cast iron
4	Mechanical seal	ceramic / graphite
5	Motor shaft	stainless steel 304
6	Liquid temperature	brass impeller: 0 - 90 °C
7	Operating pressure	max 1.2 bar (FS100)
8	2 pole induction motor	1~ 230 V-50Hz with thermal protection
9	Insulation class	F
10	Protection degree	IP44



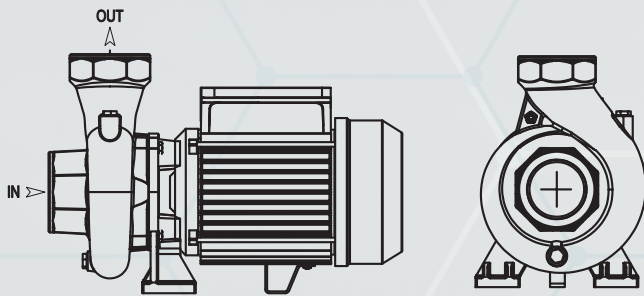
Q (l/min): 100 - 400		H.Max (m): 12	
HP: 1	kW: 0.74	V: 220	A: 4.7
µF: 20	Cl: F	IP: 44	Hz: 50
Size: 2" x 2"	RPM: 2850	T max liquid: 90 °C	
Continuous Duty		Overload protector Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	



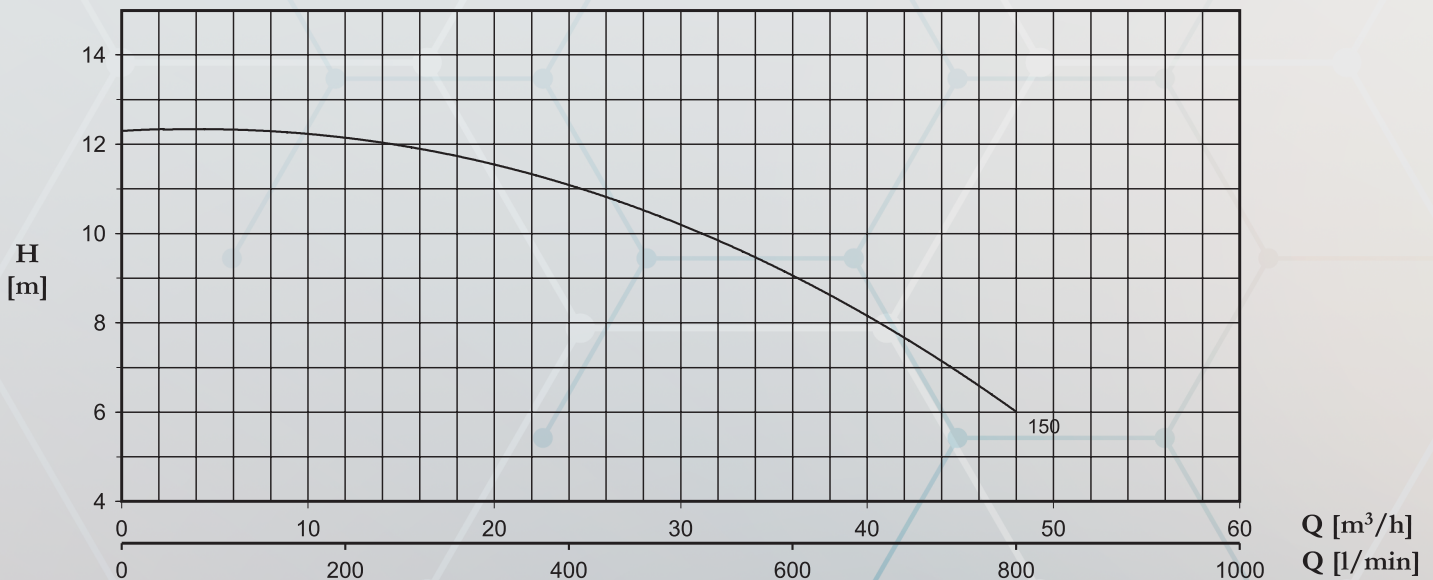
Model	P2		P1 (kW)	AMPERE	Q (m³/h - l/min)									
					H (m)									
1~	(HP)	(kW)	1~	1~	0	6	12	18	24	30	36	42	48	54
				1x230V 50 Hz	0	100	200	300	400	500	600	700	800	900
FS100	1	0.74	1,16	4.5	12.8	12.2	10.7	8.9	6.8	-	-	-	-	-

FS Serie (FS150)

NO	Item	Material
1	Pump body	cast iron
2	Motor bracket	aluminium
3	Impeller	cast iron
4	Mechanical seal	ceramic / graphite
5	Motor shaft	stainless steel 304
6	Liquid temperature	brass impeller: 0 - 90 °C
7	Operating pressure	max 1.2 bar (FS150)
8	2 pole induction motor	1~ 230 V-50Hz with thermal protection
9	Insulation class	F
10	Protection degree	IP44



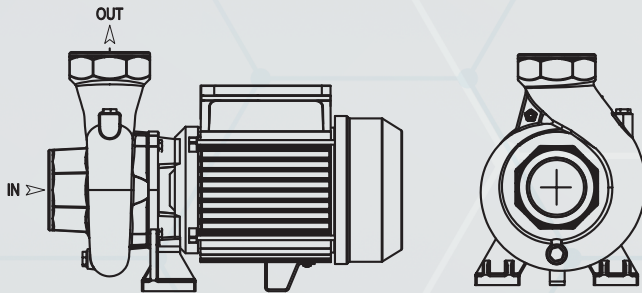
Q (l/min): 100 - 800		H.Max (m): 12	
HP: 1.5	kW: 1.1	V: 220	A: 8.8
µF: 35	Cl: F	IP: 44	Hz: 50
Size: 2" x 2"	RPM: 2850	T max liquid: 90 °C	
Continuous Duty		Overload protector Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	



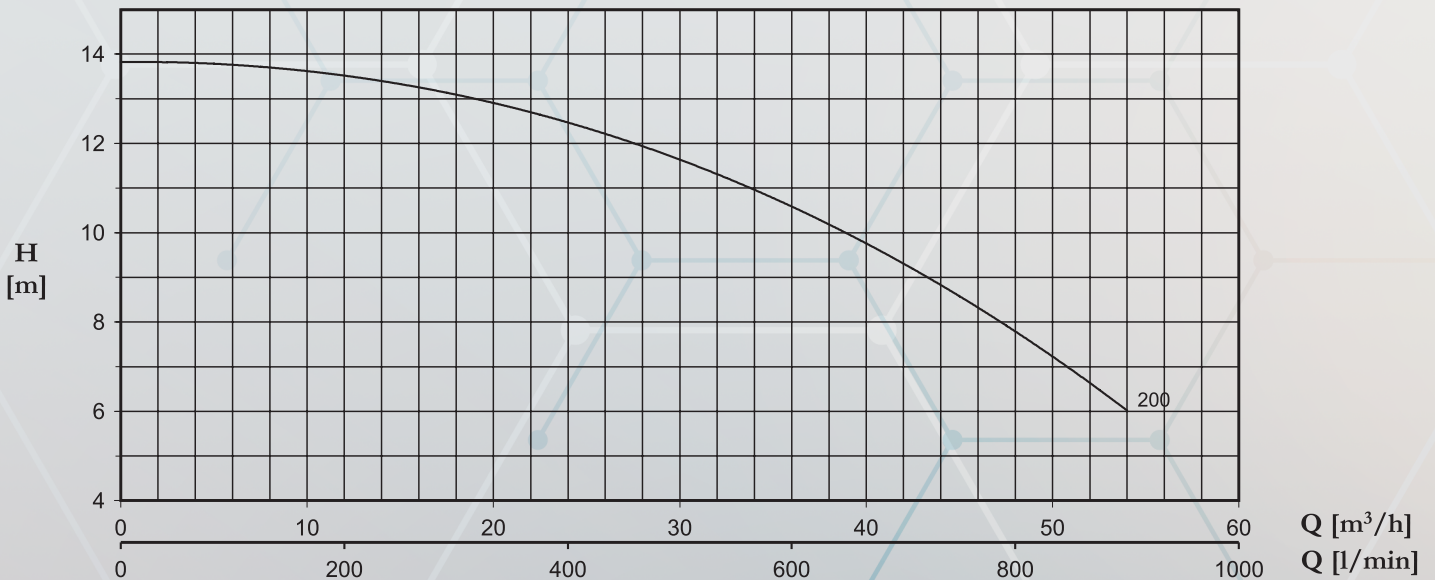
Model	P2		P1 (kW)	AMPERE	Q (m ³ /h - l/min)										
				1~	0	6	12	18	24	30	36	42	48	54	
1~	(HP) (kW)		1~	1x230V 50 Hz	H (m)										
				8.8	12.3	12.3	12.2	11.8	11	10.2	9.1	7.7	6	-	
FS150	1.5	1.1	1,85	8.8	12.3	12.3	12.2	11.8	11	10.2	9.1	7.7	6	-	

FS Serie (FS200)

NO	Item	Material
1	Pump body	cast iron
2	Motor bracket	aluminium
3	Impeller	cast iron
4	Mechanical seal	ceramic / graphite
5	Motor shaft	stainless steel 304
6	Liquid temperature	brass impeller: 0 - 90 °C
7	Operating pressure	max 1.3 bar (FS200)
8	2 pole induction motor	1~ 230 V-50Hz with thermal protection
9	Insulation class	F
10	Protection degree	IP44



Q (l/min): 100 - 900		H.Max (m): 13	
HP: 2	kW: 1.5	V: 220	A: 10
µF: 50	Cl: F	IP: 44	Hz: 50
Size: 2" x 2"	RPM: 2850	T max liquid: 90 °C	
Continuous Duty		Overload protector Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	



Model	P2		P1 (kW)	AMPERE	Q (m³/h - l/min)										
					1~	0	6	12	18	24	30	36	42	48	54
1~	(HP)	(kW)	1~	1x230V 50 Hz	H (m)										
				10	13.8	13.8	13.6	13.1	12.4	11.6	10.6	9.4	7.8	6	
FS200	2	1.5	2,10	10	13.8	13.8	13.6	13.1	12.4	11.6	10.6	9.4	7.8	6	



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