

FP4 4" SUBMERSIBLE PUMP



FP4 4" SUBMERSIBLE PUMPS

The new concept of pump, made of solid construction for easy maintenance.
 This patented new design of floating impeller is for low axial thrust on the submersible motor.
 The tight clearances are suitable to handle sand for long life expectancy.
 The new technical polymers employed in manufacturing allow the pump to run completely dry for a long time.

Applications

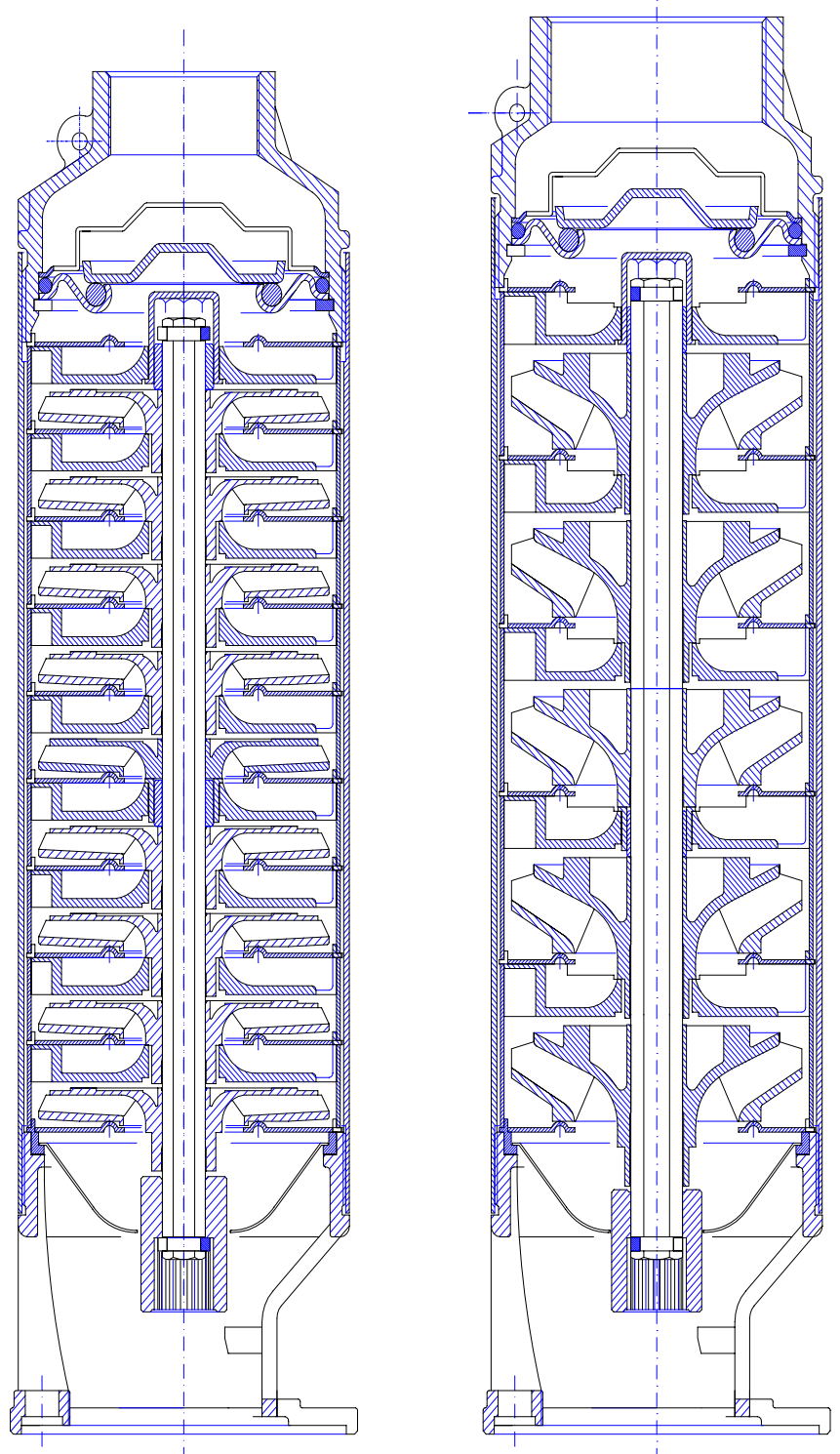
Domestic and industrial water supply.
 Aqueducts.
 Fire-fighting systems.
 Pressurizing water system.
 Shower and running irrigation.
 Several plants.

Materials

AISI 304 stainless steel for top and bottom.
 AISI 304 stainless steel for shaft.
 AISI 316L/304 stainless steel for coupling.
 AISI 304 stainless steel for external jacket, diffuser casing, screen and cable guard.
 Impellers, diffusers and bushes are in PA66 fiber glass reinforced.

Operating data

capacity up to 21 m³/h
 head up to 360 m
 power up to 7,5 kW
 max. water temperature 35°C
 max. sand content: 185 g/m³
 max. startings per hour: 15
 min. recommended head of water above pump suction: 1 m



FP4 performance chart

tolerances according to ISO 9906 annex A



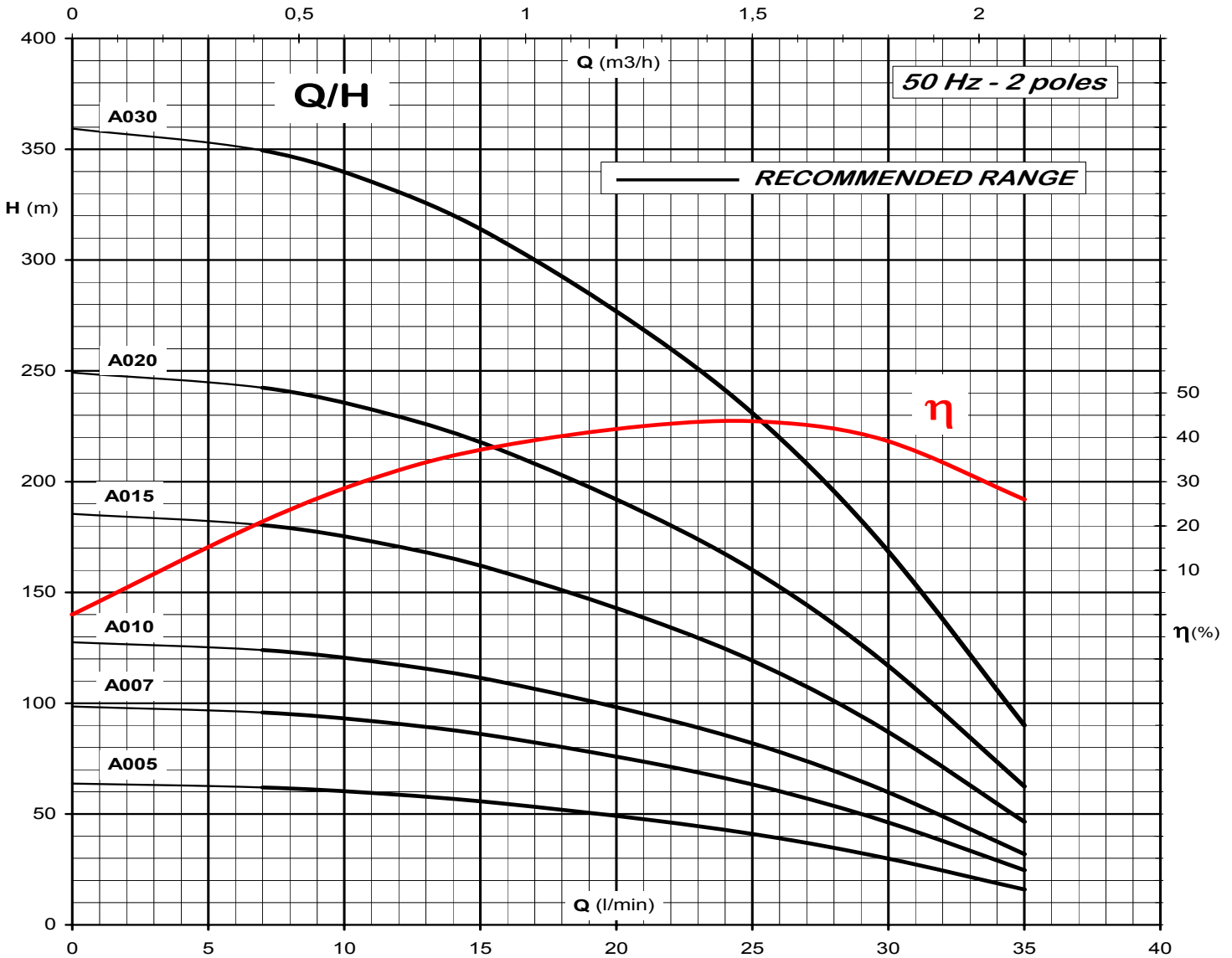
50 Hz 2 poles		Q (mc/h)	0	0,3	0,6	1,2	1,8	2,1	2,4	3,0	3,6	4,2	4,8	5,4	6	7,8	9	12	13,5	15	18	21
TYPE	HP	Q (l/min)	0	5	10	20	30	35	40	50	60	70	80	90	100	130	150	200	225	250	300	350
FP4A005	0,5		64	63	60	49	30	16														
FP4A007	0,7		99	97	93	76	46	25														
FP4A010	1		128	125	121	98	59	32														
FP4A015	1,5		185	182	175	143	86	47														
FP4A020	2		249	244	236	192	116	63														
FP4A030	3		359	352	340	277	168	90														
FP4B005	0,5		45	44	43	40	35	31	27	15												
FP4B007	0,7		71	70	68	62	55	49	42	23												
FP4B010	1		96	95	92	85	75	66	57	32												
FP4B015	1,5		141	139	135	125	110	97	84	47												
FP4B020	2		186	184	178	164	145	128	111	61												
FP4B030	3		270	266	258	238	210	186	160	89												
FP4B040	4		360	355	344	318	280	248	214	119												
FP4D005	0,5		33			32	31	31	30	27	23	18										
FP4D007	0,7		46			45	44	43	41	37	32	25										
FP4D010	1		66			64	63	61	59	54	46	35										
FP4D015	1,5		100			97	94	92	89	80	69	53										
FP4D020	2		133			129	125	122	118	107	92	70										
FP4D030	3		192			187	181	177	171	155	133	102										
FP4D040	4		265			258	250	244	236	214	184	140										
FP4D055	5,5		345			335	325	317	307	278	239	182										
FP4E005	0,5		28				26	25	25	23	21	18	15	12								
FP4E007	0,7		41				39	38	37	35	31	27	23	17								
FP4E010	1		55				52	51	49	46	41	36	31	23								
FP4E015	1,5		83				78	76	74	69	62	54	46	35								
FP4E020	2		110				104	102	99	92	83	72	61	47								
FP4E030	3		165				156	153	148	138	124	109	92	70								
FP4E040	4		220				208	204	198	184	166	145	122	93								
FP4E055	5,5		303				286	280	272	253	228	199	168	128								
FP4F010	1		34						31	30	29	28	26	25	24	18	13					
FP4F015	1,5		54						50	48	46	44	42	40	38	29	20					
FP4F020	2		74						68	66	63	61	58	55	52	40	28					
FP4F030	3		107						99	96	92	88	84	80	75	58	40					
FP4F040	4		147						137	132	127	121	116	110	103	79	55					
FP4F055	5,5		201						186	180	173	165	158	150	141	108	75					
FP4F075	7,5		268						248	241	230	220	210	200	188	144	100					
FP4F100	10		335						310	301	288	275	263	250	235	180	125					
FP4H015	1,5		36									34	33	32	31	29	27	16				
FP4H020	2		50									47	46	45	44	40	37	22				
FP4H030	3		71									68	66	65	63	58	51	32				
FP4H040	4		100									95	93	90	88	80	72	44				
FP4H055	5,5		136									129	126	123	120	110	98	60				
FP4H075	7,5		193									183	179	174	170	156	140	85				
FP4H100	10		257									244	238	233	227	206	186	113				
FP4L020	2		34														24	21	19	17	12	7
FP4L030	3		54														39	33	30	27	20	12
FP4L040	4		74														53	46	42	37	27	16
FP4L055	5,5		101														73	62	57	51	37	22
FP4L075	7,5		134														97	83	76	67	49	30
FP4L100	10		181														131	112	103	91	67	40

H (m)



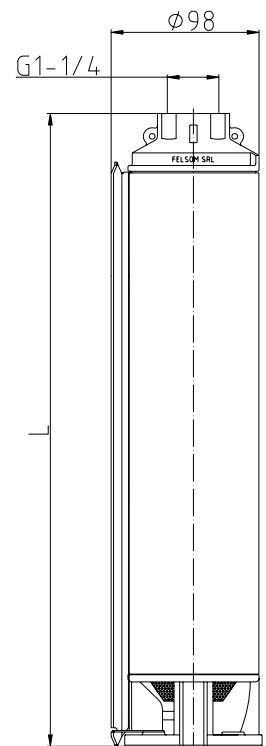
tolerances according to ISO 9906 annex A

FP4A pump type



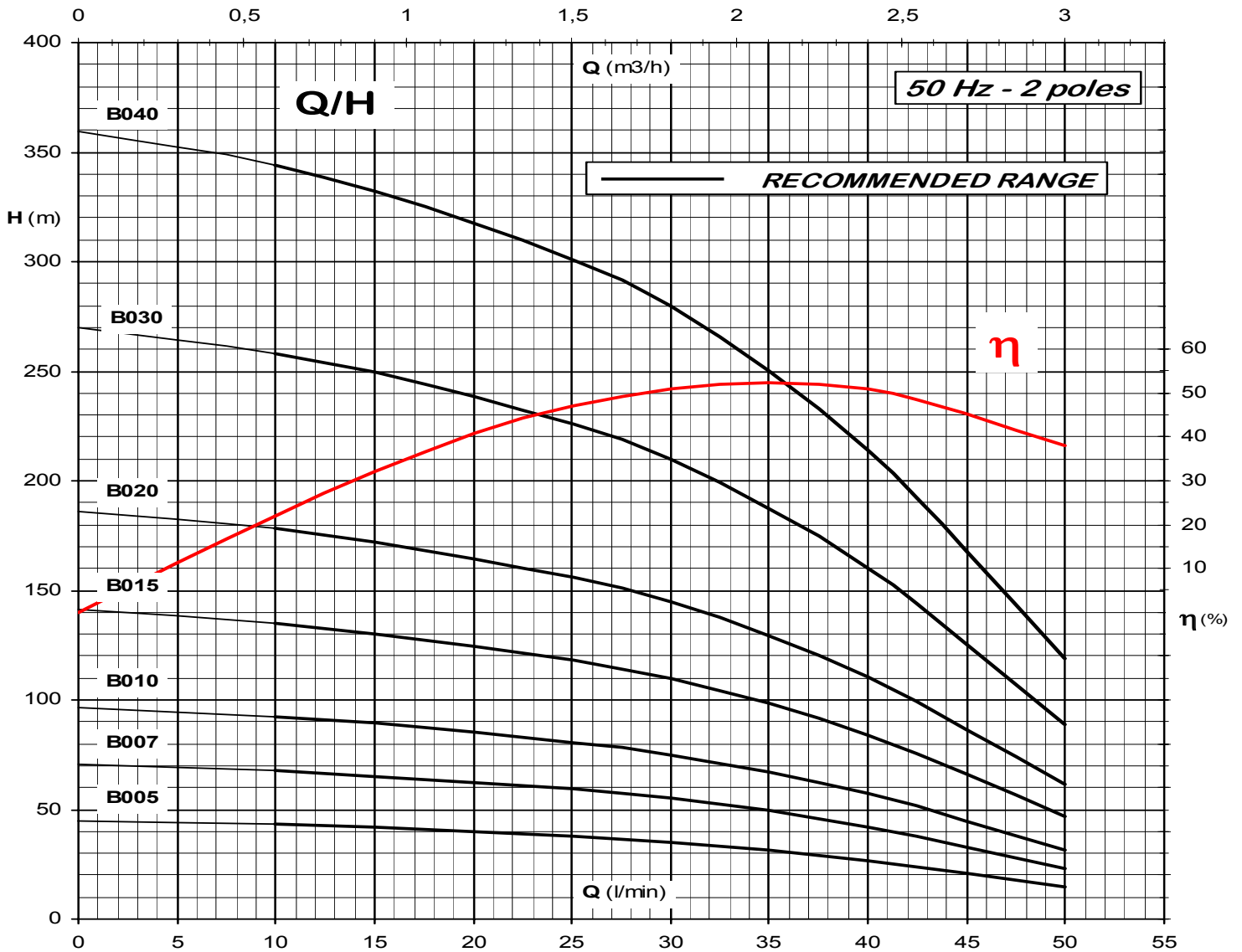
DIMENSIONS AND WEIGHTS					
TYPE	motor type	HP	kW	L	W
				mm	Kg
FP4A005	4" *	0,5	0,37	308	3,3
FP4A007	4" *	0,75	0,55	410	4,4
FP4A010	4" *	1	0,75	495	5,4
FP4A015	4" *	1,5	1,1	665	7,2
FP4A020	4" *	2	1,5	851	9,2
FP4A030	4" *	3	2,2	1174	12,7

* = NEMA COUPLING



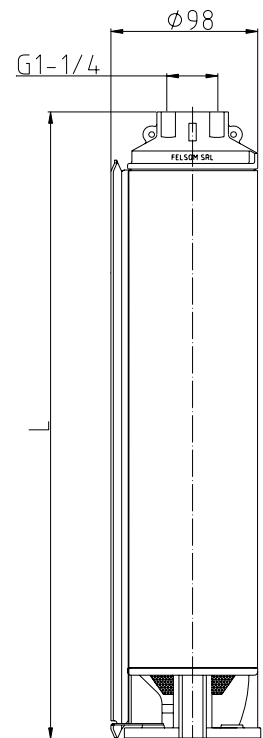
FP4B pump type

tolerances according to ISO 9906 annex A



DIMENSIONS AND WEIGHTS					
TYPE	motor type	HP	kW	L	W
				mm	Kg
FP4B005	4" *	0,5	0,37	261	2,7
FP4B007	4" *	0,75	0,55	341	3,5
FP4B010	4" *	1	0,75	421	4,3
FP4B015	4" *	1,5	1,1	561	5,6
FP4B020	4" *	2	1,5	701	7,0
FP4B030	4" *	3	2,2	960	9,6
FP4B040	4" *	4	3	1240	12,3

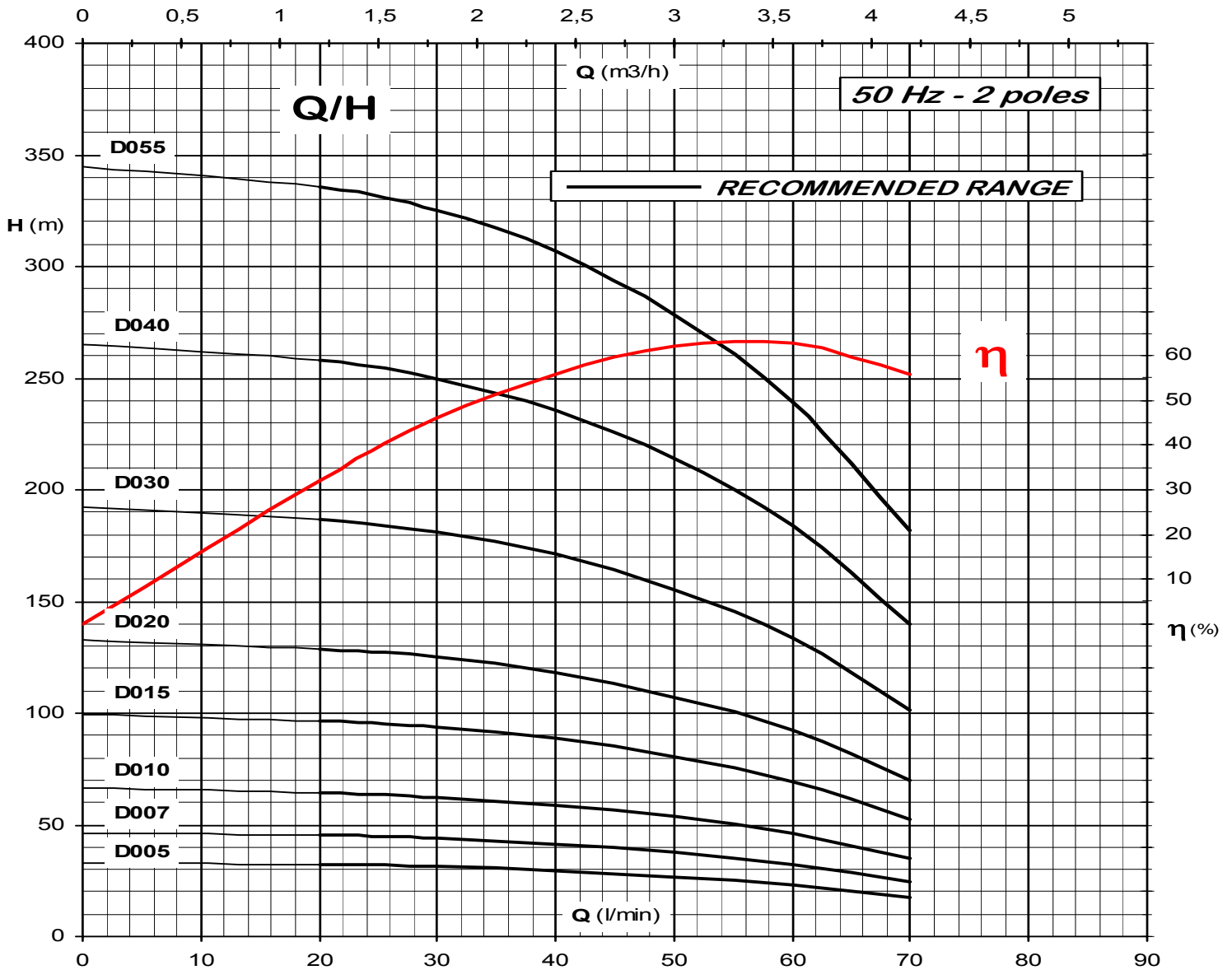
* = NEMA COUPLING





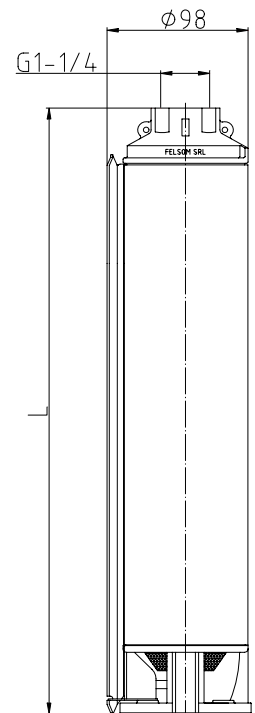
tolerances according to ISO 9906 annex A

FP4D pump type



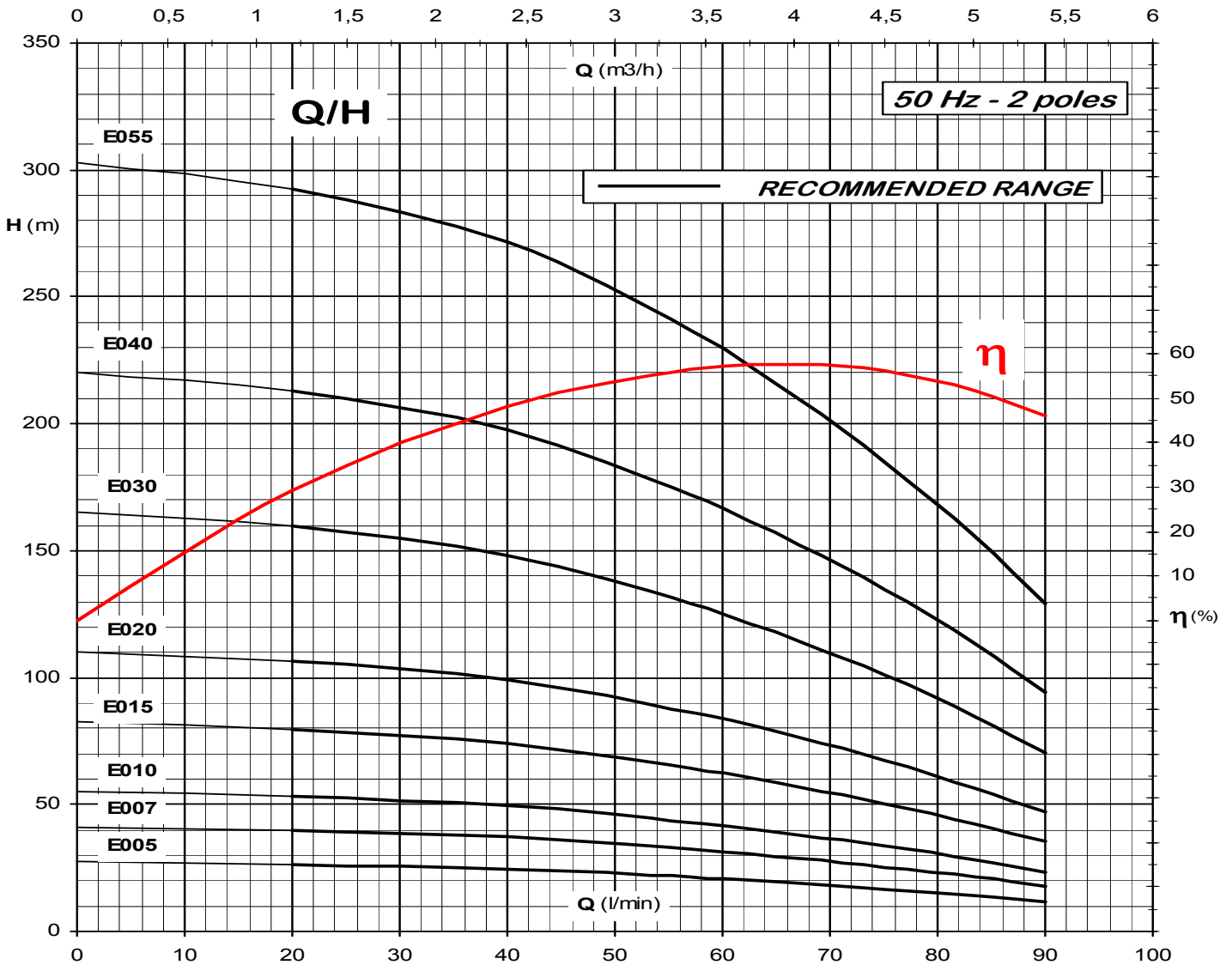
DIMENSIONS AND WEIGHTS					
TYPE	motor type	HP	kW	L	W
				mm	Kg
FP4D005	4" *	0,5	0,37	230	2,3
FP4D007	4" *	0,75	0,55	270	2,7
FP4D010	4" *	1	0,75	330	3,3
FP4D015	4" *	1,5	1,1	430	4,2
FP4D020	4" *	2	1,5	530	5,2
FP4D030	4" *	3	2,2	710	7,0
FP4D040	4" *	4	3	929	9,1
FP4D055	4" *	5,5	4	1169	11,4

* = NEMA COUPLING



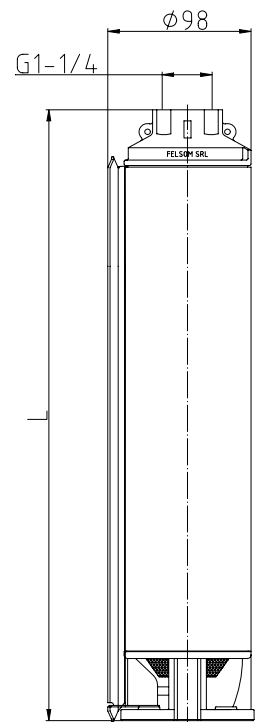
FP4E pump type

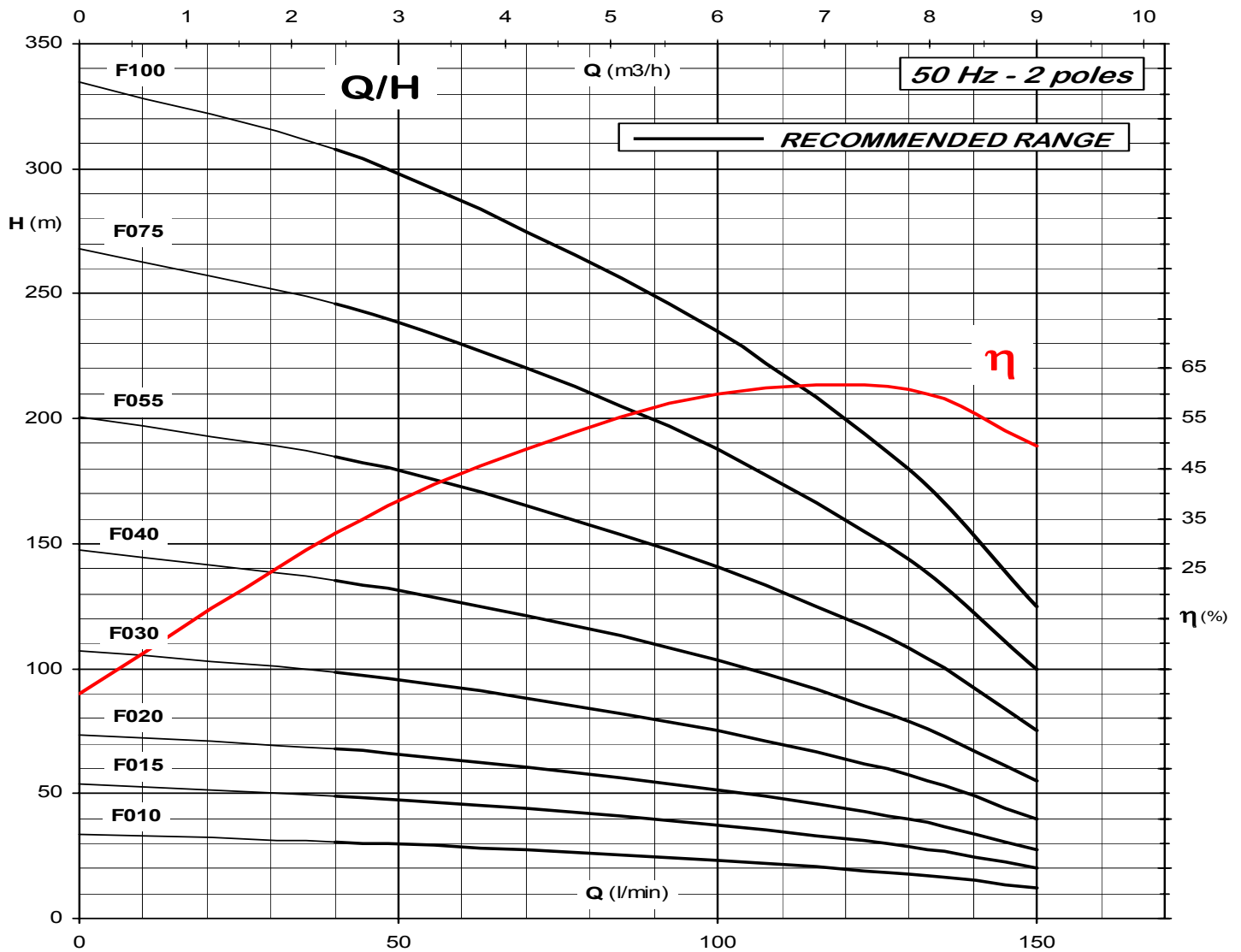
tolerances according to ISO 9906 annex A



DIMENSIONS AND WEIGHTS					
TYPE	motor type	HP	kW	L mm	W Kg
FP4E005	4" *	0,5	0,37	210	2,0
FP4E007	4" *	0,75	0,55	250	2,3
FP4E010	4" *	1	0,75	290	2,7
FP4E015	4" *	1,5	1,1	370	3,5
FP4E020	4" *	2	1,5	450	4,3
FP4E030	4" *	3	2,2	610	5,8
FP4E040	4" *	4	3	750	7,4
FP4E055	4" *	5,5	4	1009	9,7

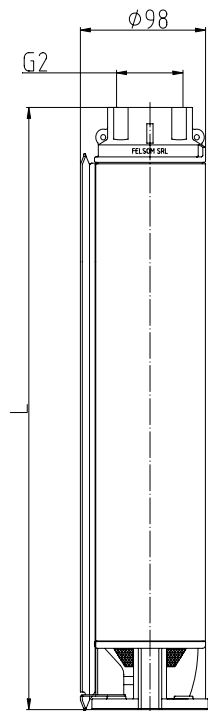
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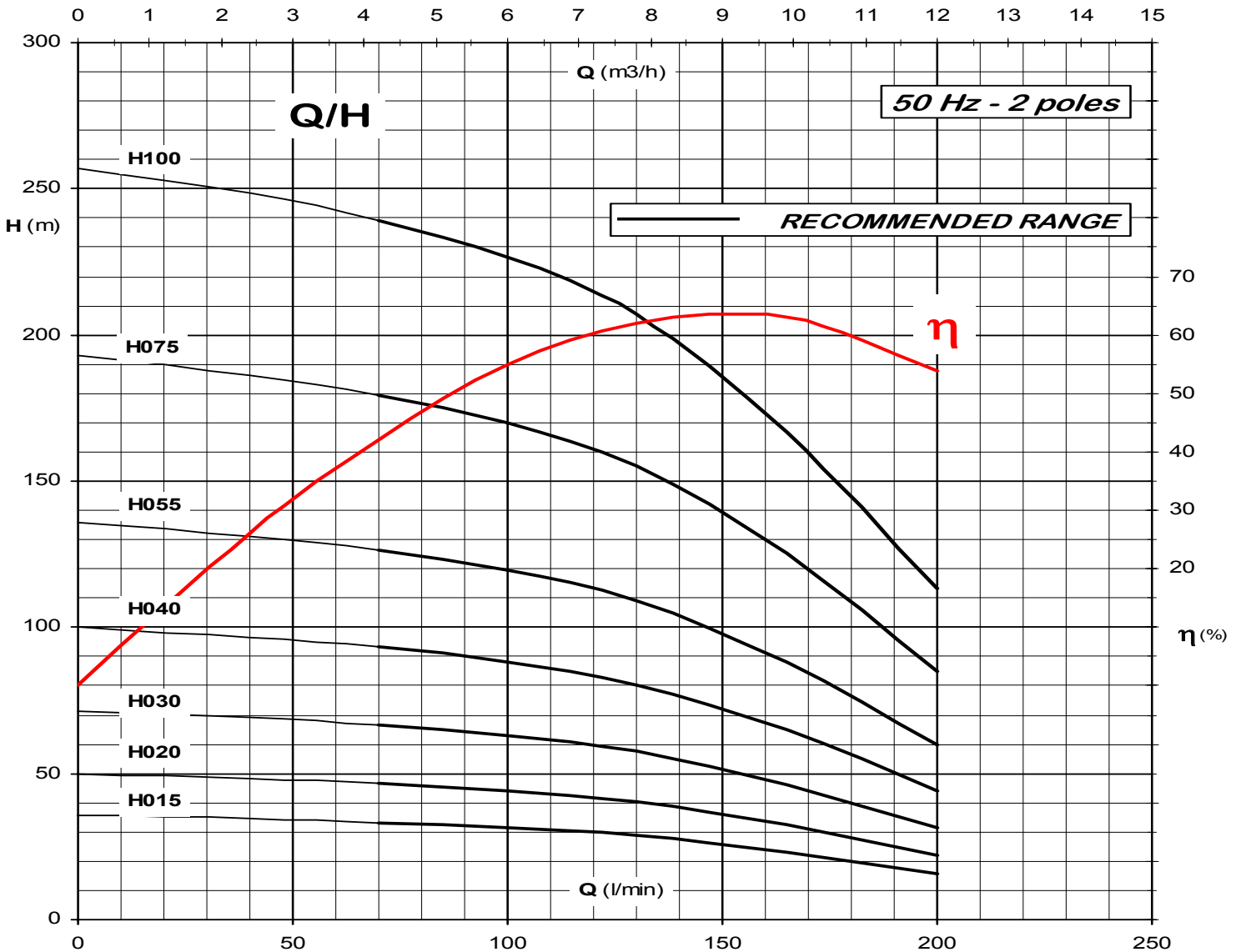
DIMENSIONS AND WEIGHTS					
TYPE	motor type	HP	kW	L	W
				mm	Kg
FP4F010	4" *	1	0,75	323	3,2
FP4F015	4" *	1,5	1,1	438	4,2
FP4F020	4" *	2	1,5	554	5,2
FP4F030	4" *	3	2,2	746	6,8
FP4F040	4" *	4	3	976	8,8
FP4F055	4" *	5,5	4	1284	11,4
FP4F075	4" *	7,5	5,5	1669	14,7
FP4F100	4" *	10	7,5	2054	18,0

* = NEMA COUPLING



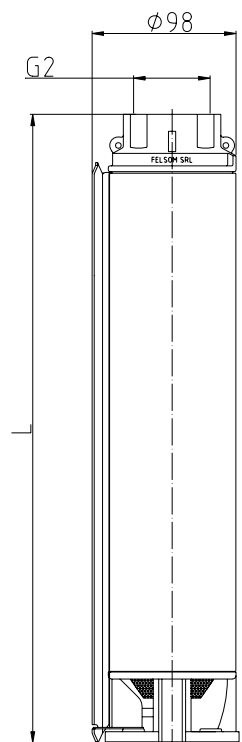
FP4H pump type

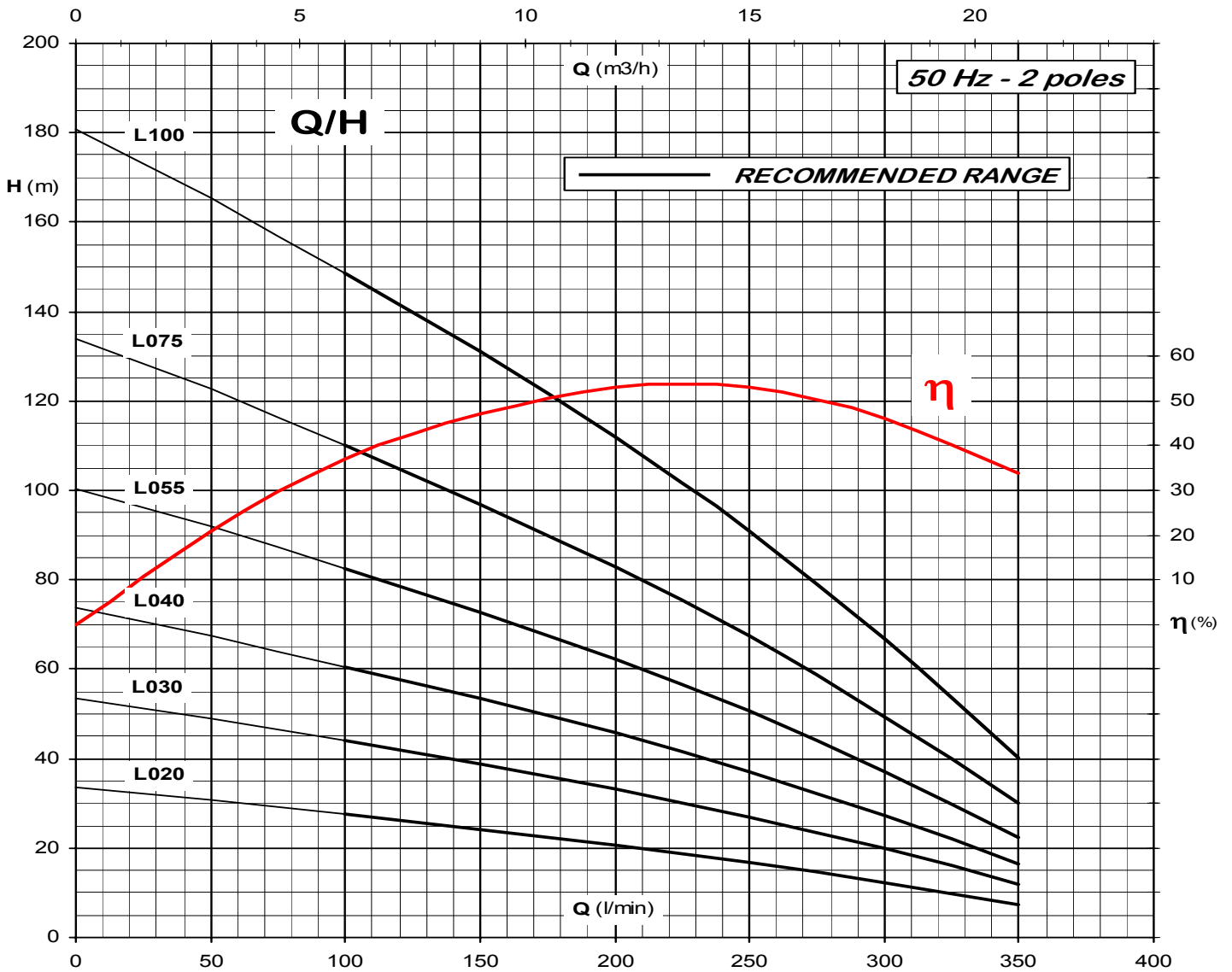
tolerances according to ISO 9906 annex A



DIMENSIONS AND WEIGHTS					
TYPE	motor type	HP	kW	L	W
				mm	Kg
FP4H015	4" *	1,5	1,1	341	3,2
FP4H020	4" *	2	1,5	418	3,8
FP4H030	4" *	3	2,2	533	4,8
FP4H040	4" *	4	3	688	6,1
FP4H055	4" *	5,5	4	879	7,7
FP4H075	4" *	7,5	5,5	1187	10,3
FP4H100	4" *	10	7,5	1533	13,2

* = NEMA COUPLING





DIMENSIONS AND WEIGHTS					
TYPE	motor type	HP	kW	L	W
				mm	Kg
FP4L020	4" *	2	1,5	363	3,3
FP4L030	4" *	3	2,2	492	4,4
FP4L040	4" *	4	3	620	5,5
FP4L055	4" *	5,5	4	792	6,9
FP4L075	4" *	7,5	5,5	1005	8,7
FP4L100	4" *	10	7,5	1306	11,2

* = NEMA COUPLING

performance data without check valve

