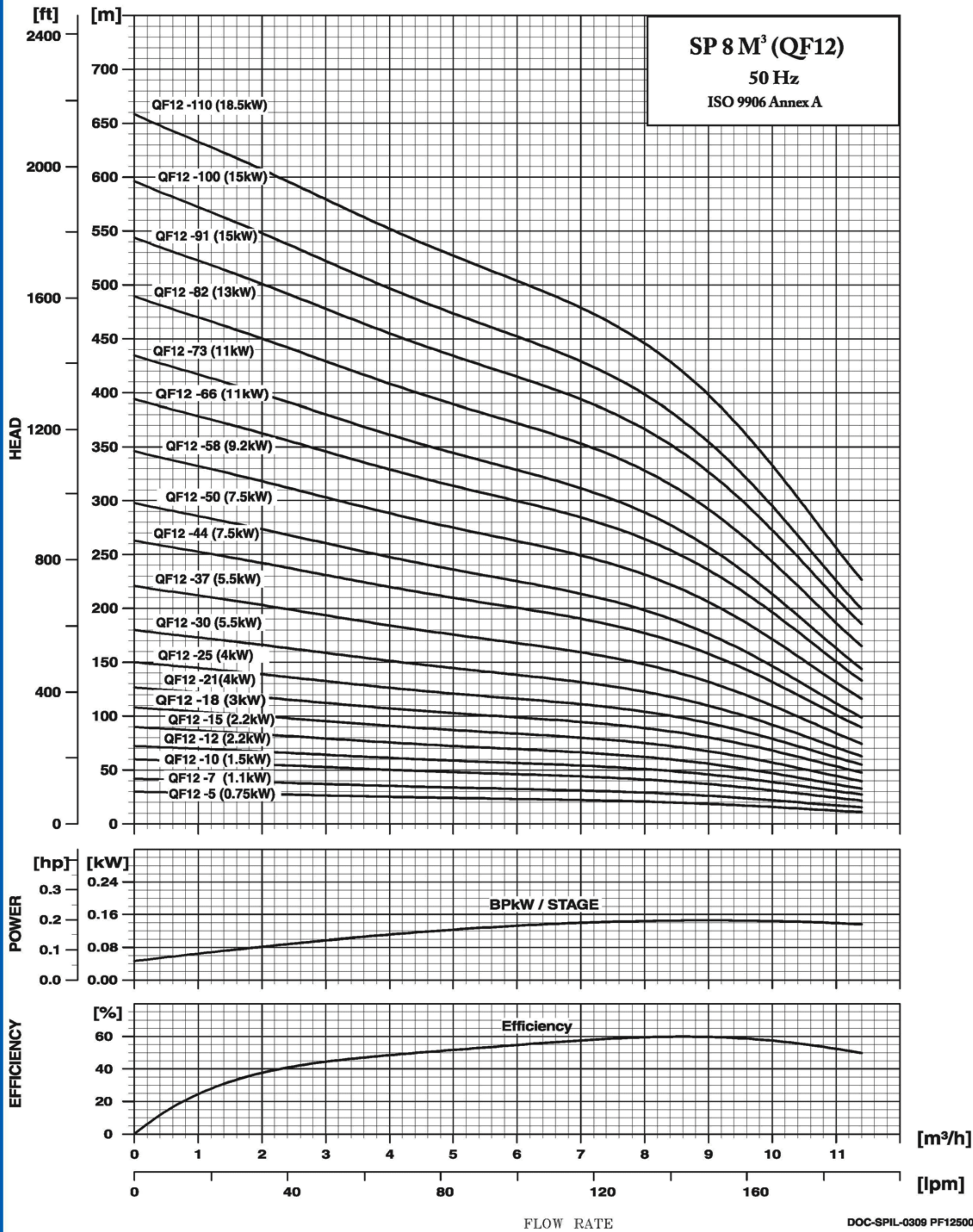


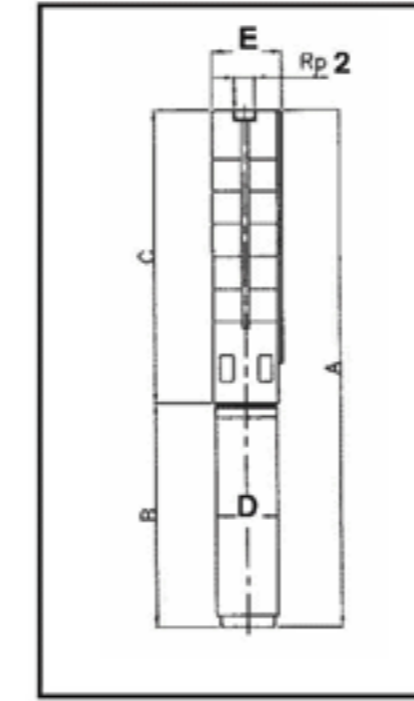
# Performance Curve

Submersible Pump  
QF12



# Technical Data QF 12 and Performance Table QF 12

## Dimensions and Weights



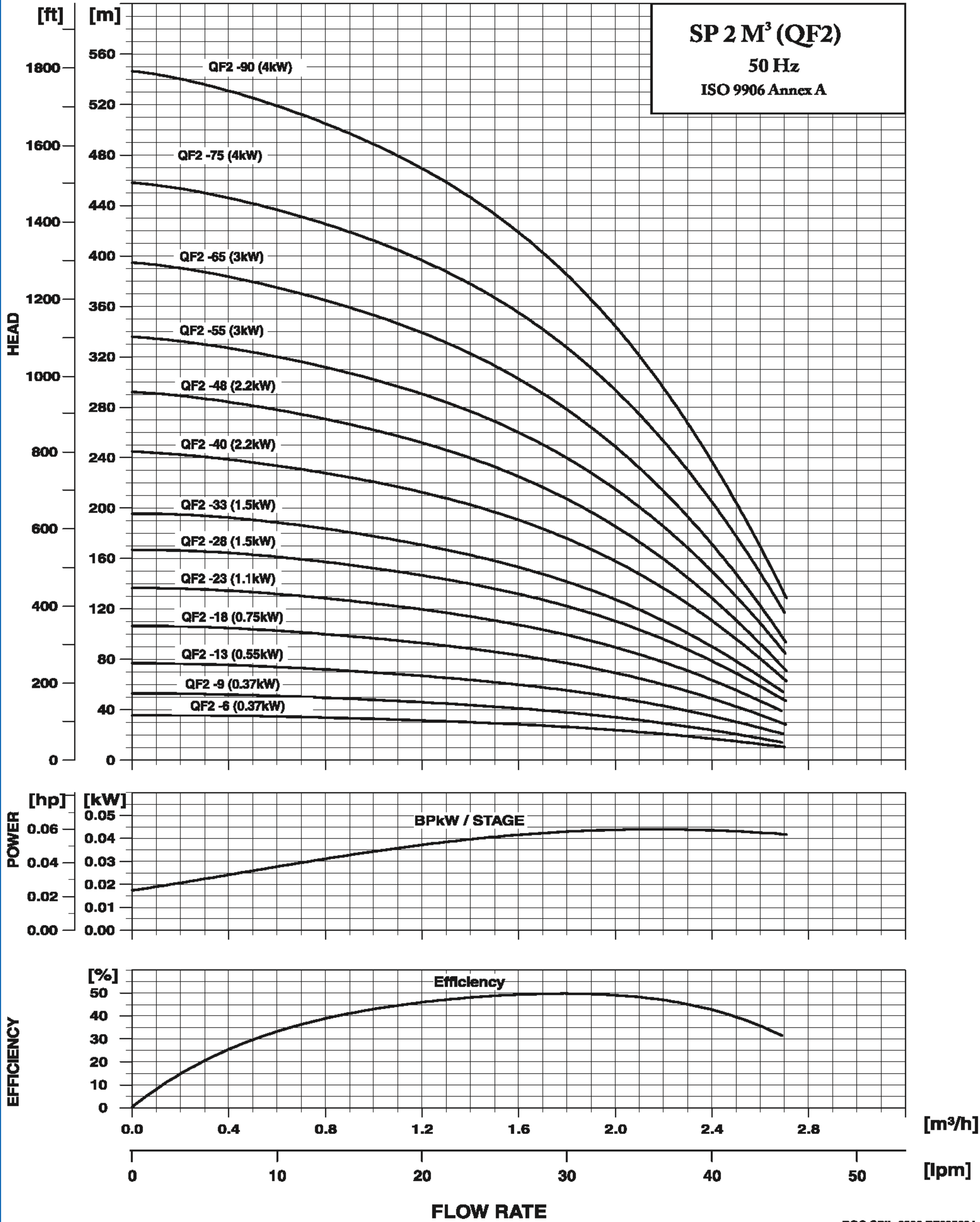
E = Max. Dia of Pump inclusive of cable guard & motor.  
QF12-58 and QF 12-110 are mounted in sleeve for R 2" connection

TECHNICAL DATA QF 12												
PUMP TYPE	MOTOR		C	DIMENSIONS (mm)				NET WEIGHT (Kg)				
	TYPE	POWER (KW)		B	A		D	E	PUMP WEIGHT (Kg)	MOTOR		
					1X230V	3X220V				3X400V	1X230V	3X220V
QF 12 - 5	RO 100	0.75	425	382	352	807	777	95	101	4	10	9
QF 12 - 7	RO 100	1.1	509	422	382	931	891	95	101	5	12	10
QF 12 - 10	RO 100	1.5	635	478	422	1113	1057	95	101	6	13	12
QF 12 - 10	RO 101	1.5	635	517	414	1152	1049	95	101	6	13	12
QF 12 - 12	RO 101	2.2	719	585	480	1304	1199	95	101	7	18	16
QF 12 - 15	RO 101	2.2	845	585	480	1430	1325	95	101	9	18	16
QF 12 - 18	RO 101	3.0	971	-	547	-	1518	95	101	10	-	19
QF 12 - 21	RO 101	4.0	1097	-	623	-	1720	95	101	11	-	20
QF 12 - 25	RO 101	4.0	1265	-	623	-	1888	95	101	13	-	20
QF 12 - 30	RO 101	5.5	1475	-	737	-	2212	95	101	15	-	27
QF 12 - 37	RO 101	5.5	1769	-	737	-	2506	95	101	18	-	27
QF 12 - 44	RO 101	7.5	2063	-	814	-	2877	95	101	21	-	31
QF 12 - 50	RO 101	7.5	2315	-	814	-	3129	95	101	24	-	31
QF 12 - 30	MTSF 150	5.5	1550	-	694	-	2244	138	143	15	-	48
QF 12 - 37	MTSF 150	5.5	1844	-	694	-	2538	138	143	18	-	48
QF 12 - 44	MTSF 150	7.5	2138	-	714	-	2852	138	143	21	-	50
QF 12 - 50	MTSF 150	7.5	2390	-	714	-	3104	138	143	24	-	50
QF 12 - 58	MTSF 150	9.2	2726	-	744	-	3470	138	143	27	-	53
QF 12 - 66	MTSF 150	11.0	3062	-	774	-	3836	138	143	31	-	53
QF 12 - 73	MTSF 150	11.0	3356	-	774	-	4130	138	143	34	-	56
QF 12 - 82	MTSF 150	13.0	3734	-	824	-	4558	138	143	38	-	61
QF 12 - 91	MTSF 150	15.0	4112	-	869	-	4981	138	143	42	-	66
QF 12 - 100	MTSF 150	15.0	4490	-	869	-	5359	138	143	45	-	66
QF 12 - 110	MTSF 150	18.5	4910	-	914	-	5824	138	143	50	-	70

PERFORMANCE TABLE QF 12														
QF-12		DISCHARGE (Q)												
		m <sup>3</sup> /h				0	1.4	2	4	6	8	9	10	11
		l/min.				0	23.4	33.4	66.8	100.2	133.6	150	167	183.7
MODEL	CONNECTION	MOTOR RATING		1 ~ 3		TOTAL HEAD IN [m]								
		[KW]	[HP]	[A]	[A]	30	28	27	25	23	20	18	15	11
QF 12 - 5	Rp 2	0.75	1.0	7.4	4.2	30	28	27	25	23	20	18	15	11
QF 12 - 7		1.1	1.50	7.3	6.2	42	40	38	35	32	28	25	21	16
QF 12 - 10		1.5	2.0	10.2	7.6	60	57	55	50	45	40	36	30	23
QF 12 - 12		2.2	3.0	15	10	72	68	66	60	54	48	43	36	27
QF 12 - 15		2.2	3.0	15	10	90	85	82	75	68	60	54	45	34
QF 12 - 18		3	4.0	-	16	107	102	98	89	82	72	64	53	41
QF 12 - 21		4	5.5	-	27	125	119	115	104	95	84	75	62	48
QF 12 - 25		4	5.5	-	27	149	142	137	124	114	100	89	74	57
QF 12 - 30		5.5	7.5	-	40	179	170	164	149	136	120	107	89	68
QF 12 - 37		5.5	7.5	-	40	221	210	202	184	168	148	132	110	84

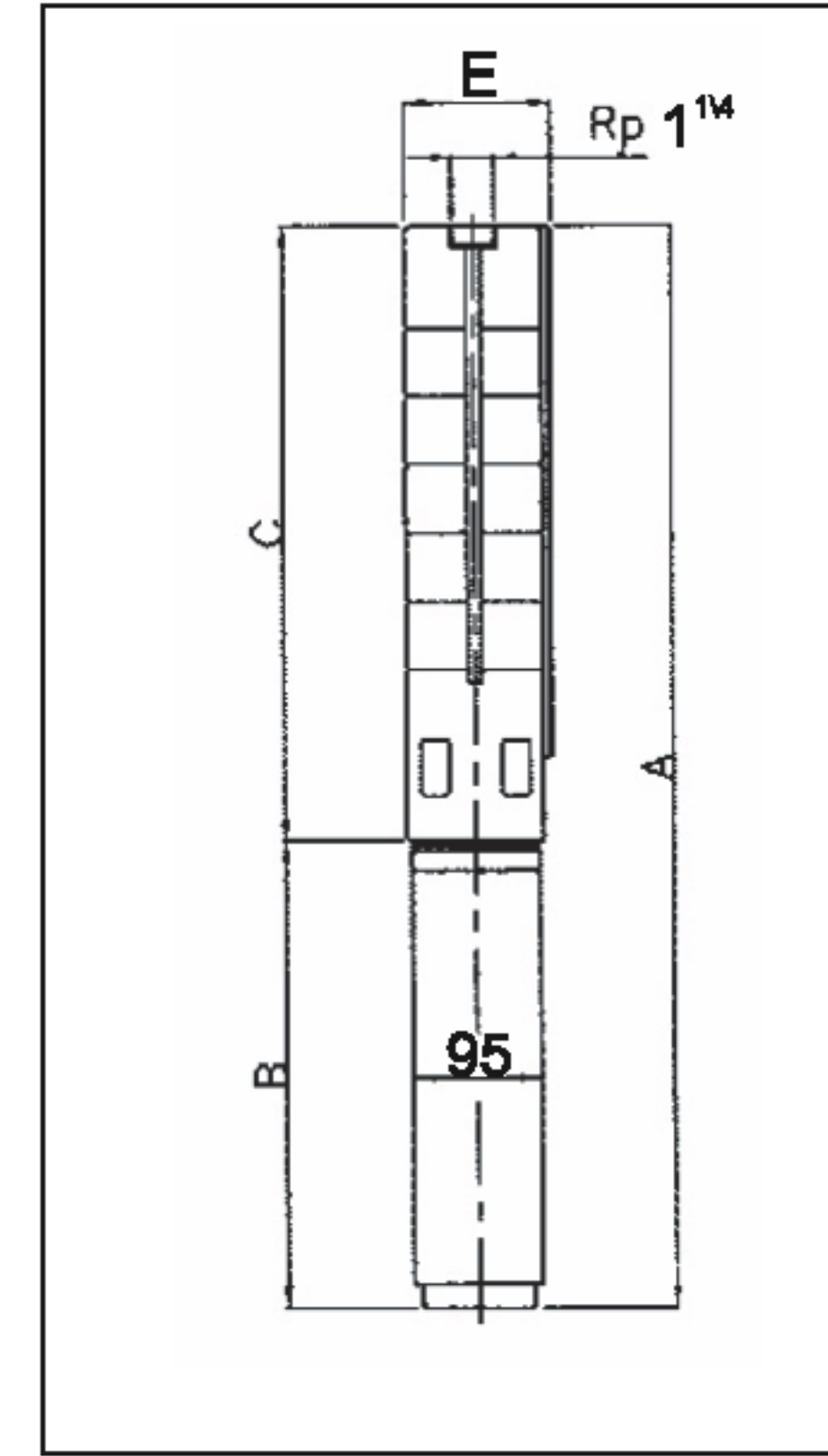
# Performance Curve

Submersible Pump  
QF2



# Technical Data QF 2 and Performance Table QF 2

## Dimensions and Weights



E = Max. Dia of Pump inclusive of cable guard & motor.

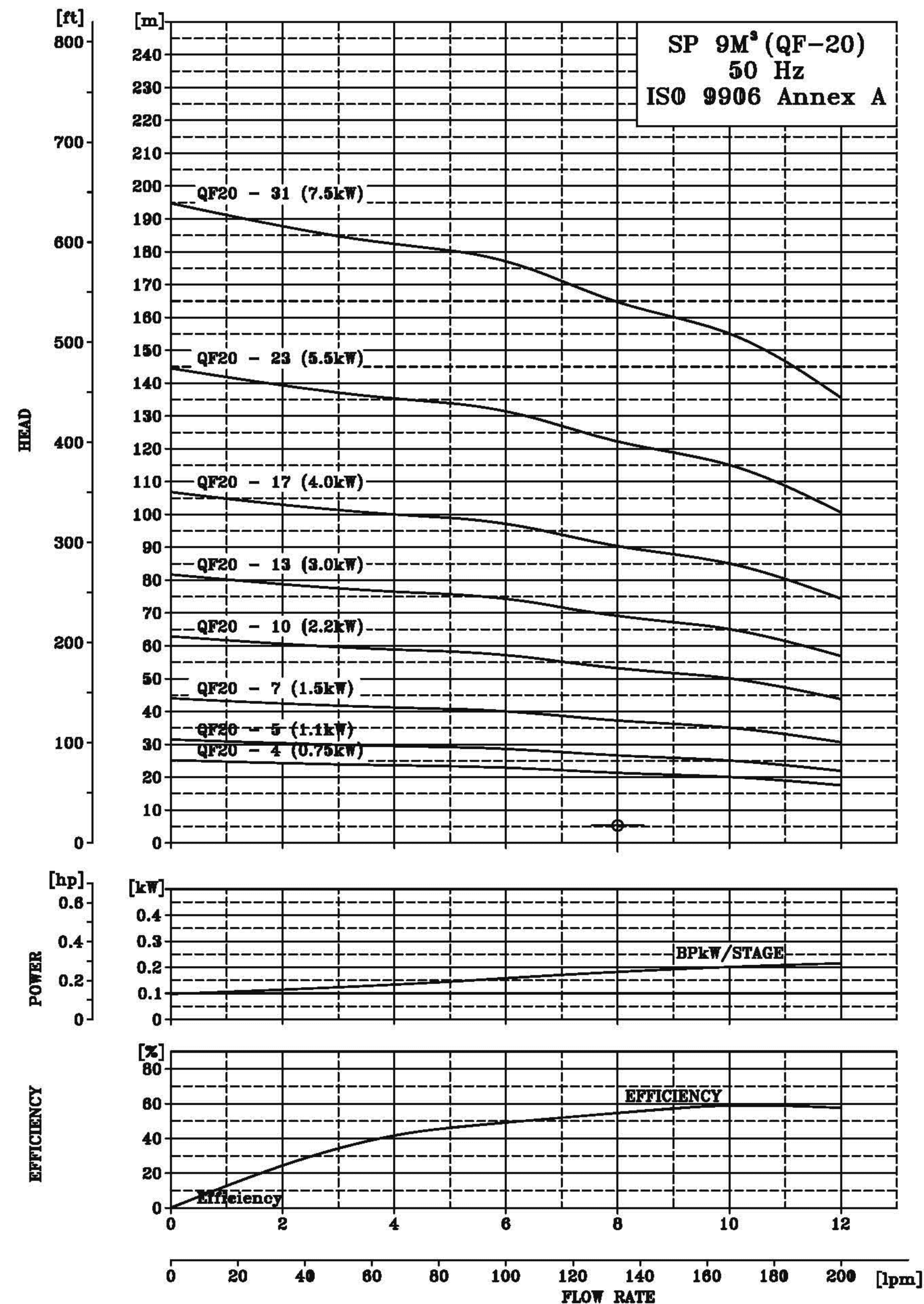
QF-2-75 and QF-2-90 are mounted in sleeve for R 1/4" connection and with max. diameter 108 mm

PUMP TYPE	MOTOR		DIMENSIONS (mm)						NET WEIGHT (Kg)			
	TYPE	POWER (KW)	C	B		A		D	E	PUMP WEIGHT (Kg)	MOTOR	
				1X230V	3X220V 3X400V	1X230V	3X220V 3X400V				1 X 230	3X220V 3X400V
QF2 - 6	RO 100	0.37	312	352	302	864	614	95	101	3	8	8
QF2 - 9	RO 100	0.37	375	352	302	727	677	95	101	4	8	8
QF2 - 13	RO 100	0.55	459	367	317	826	776	95	101	5	9	9
QF2 - 18	RO 100	0.75	564	382	352	946	916	95	101	6	10	9
QF2 - 23	RO 100	1.1	669	422	382	1091	1051	95	101	7	12	10
QF2 - 28	RO 100	1.5	774	478	422	1252	1196	95	101	9	13	12
QF2 - 33	RO 100	1.5	879	478	422	1357	1301	95	101	10	13	12
QF2 - 28	RO 101	1.5	839	517	414	1356	1253	95	101	9	13	12
QF2 - 33	RO 101	1.5	944	585	414	1529	1358	95	101	10	13	12
QF2 - 40	RO 101	2.2	1091	585	480	1676	1571	95	101	11	18	16
QF2 - 48	RO 101	2.2	1259	585	480	1844	1739	95	101	13	18	16
QF2 - 55	RO 101	3.0	1406	-	547	-	1953	95	101	15	-	19
QF2 - 65	RO 101	3.0	1618	-	547	-	2163	95	101	17	-	19
QF2 - 75	RO 101	4.0	1826	-	623	-	2449	95	101	20	-	22
QF2 - 90	RO 101	4.0	2141	-	623	-	2764	95	101	23	-	22

PERFORMANCE TABLE QF 2												
QF-2		DISCHARGE (Q)										
		m <sup>3</sup> /h				0	1	1.4	1.8	2	2.4	2.8
		l/min.				0	16.7	23.4	30.1	33.4	40.1	46.8
MODEL	CONNECTION	MOTOR RATING [KW]	1 ~ [HP]	3 ~ [A]	TOTAL HEAD IN [m]							
QF2 - 6	Rp 1/4	0.37	0.5	3.6	2.5	36	33	30	26	23	16	12
QF2 - 9		0.37	0.75	3.9	2.5	54	50	45	39	35	25	18
QF2 - 13		0.55	0.75	3.9	4	78	72	65	57	51	35	26
QF2 - 18		0.75	1.5	5.8	4.2	108	99	91	79	70	49	36
QF2 - 23		1.1	1.5	7.4	6.2	138	127	116	100	90	63	46
QF2 - 28		1.5	2.0	7.3	7.6	168	154	141	122	109	76	55
QF2 - 33		1.5	2.0	10.2	7.6	198	182	166	144	129	90	65
QF2 - 40		2.2	3.0	10.2	10	240	220	201	175	156	109	79
QF2 - 48		2.2	3.0	15	10	288	264	242	209	188	131	95
QF2 - 55		3.0	4.0	15	27	330	303	277	240	215	150	109

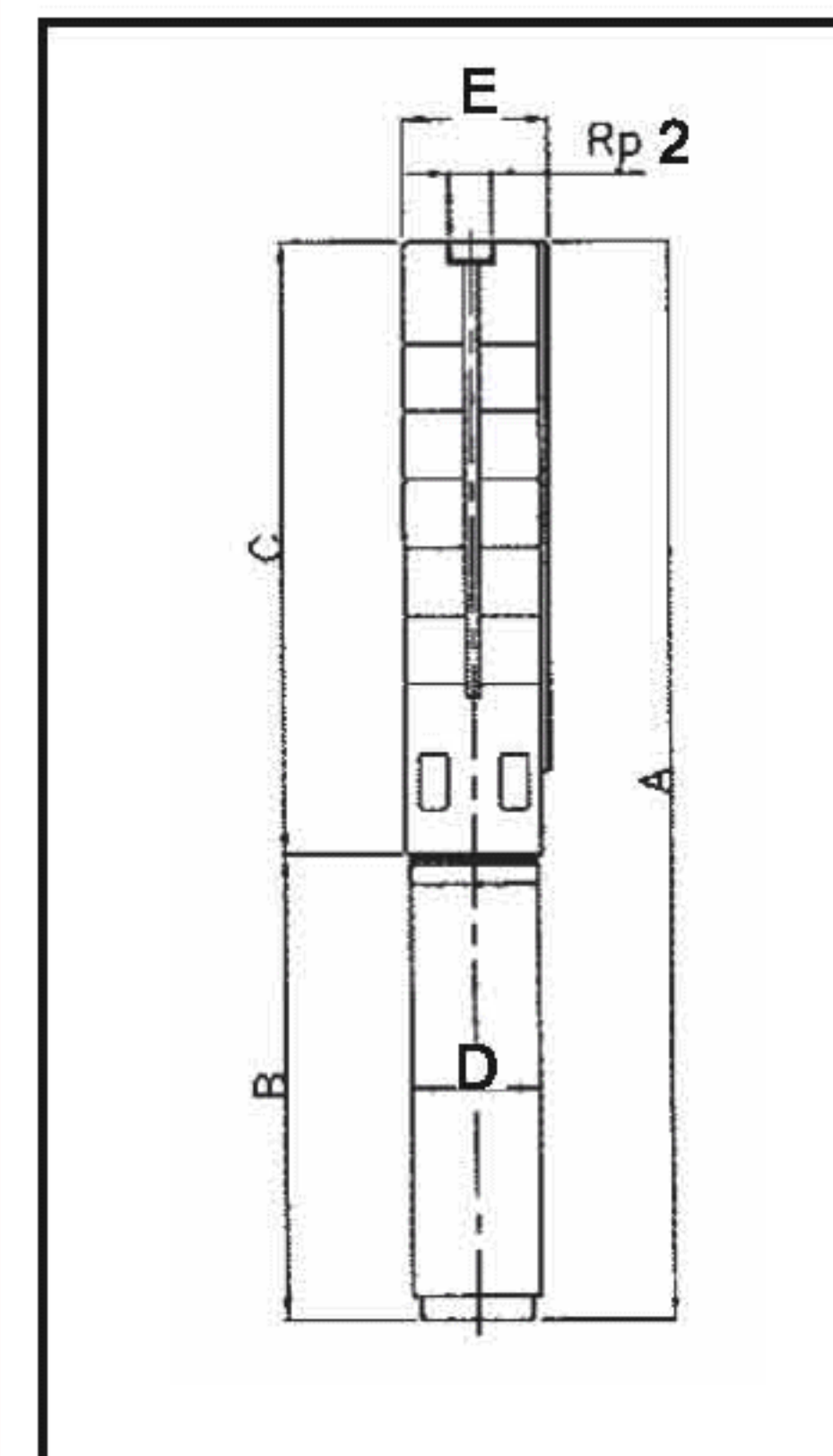
# Performance Curve

Submersible Pump  
QF20



# Technical Data QF 20 and Performance Table QF 20

## Dimensions and Weights



E=max. dia of pump inclusive of cable guard and motor

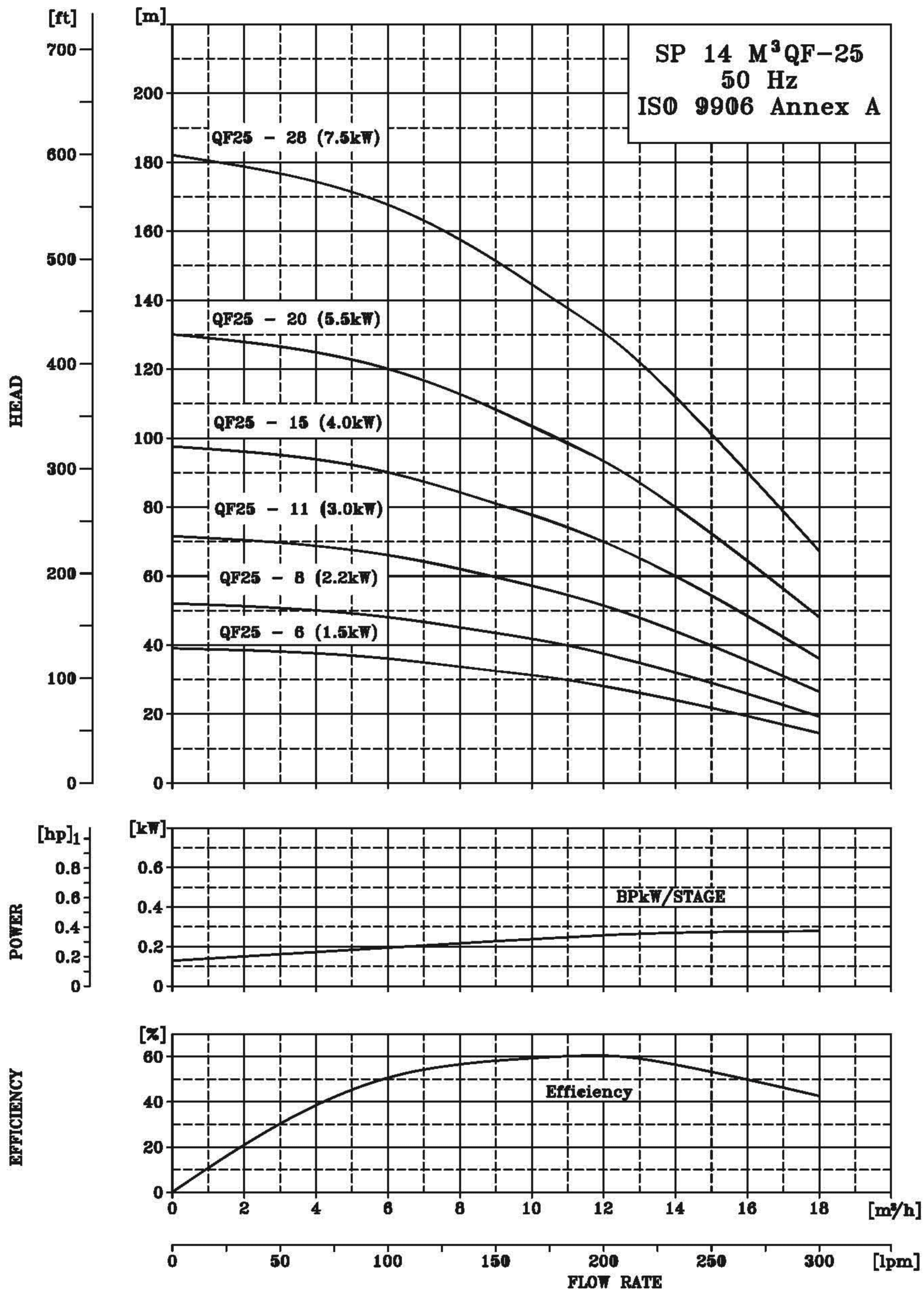
PUMP TYPE	MOTOR		DIMENSIONS (mm)						NET WEIGHT (Kg)			
	TYPE	POWER (kW)	C	B		A		D	E	PUMP WEIGHT (Kg)	MOTOR	
				1X230V	3X220V 3X400V	1X230V	3X220V 3X400V				1X230	3X220V 3X400V
QF 20 - 4	RO 100	0.75	445	382	352	827	797	95	101	6	10	9
QF 20 - 5	RO 100	1.1	510	424	382	934	892	95	101	6	12	10
QF 20 - 7	RO 100	1.5	640	478	-	1118	-	95	101	7	14	-
QF 20 - 7	RO 101	1.5	640	-	424	-	1064	95	101	7	-	12
QF 20 - 10	RO 101	2.2	835	588	485	1423	1320	95	101	8	21	16
QF 20 - 13	RO 101	3	1030	-	541	-	1571	95	101	11	-	19
QF 20 - 17	RO 101	4	1290	-	624	-	1914	95	101	14	-	22
QF 20 - 23	RO 101	5.5	1680	-	743	-	2423	95	101	19	-	27
QF 20 - 31	RO 101	7.5	2200	-	815	-	3015	95	101	24	-	31
QF 20 - 23	MTSF 150	5.5	1750	-	694	-	2444	138	143	19	-	48
QF 20 - 31	MTSF 150	7.5	2270	-	714	-	2984	138	143	24	-	50

PERFORMANCE TABLE QF 20

MODEL	CONNECTION	DISCHARGE (Q)											
		MOTOR RATING		1 ~		3 ~		TOTAL HEAD IN [m]					
		[KW]	[HP]	[A]	[A]	0	4	6	8	10	12		
QF 20 - 4	Rp2	0.75	1	7.45	4.2	25	24	23	21	20	17		
QF 20 - 5		1.1	1.5	7.3	6.2	32	30	29	27	26	22		
QF 20 - 7		1.5	2	10.2	7.65	44	41	40	37	35	31		
QF 20 - 10		2.2	3	15	10	65	60	59	54	52	45		
QF 20 - 14		3	4	23	27	88	82	80	74	70	61		
QF 20 - 19		4	5.5		40	117	110	107	99	94	82		
QF 20 - 26		5.5	7.5		40	161	151	147	136	129	112		
QF 20 - 35		7.5	10		55	220	206	200	186	175	153		

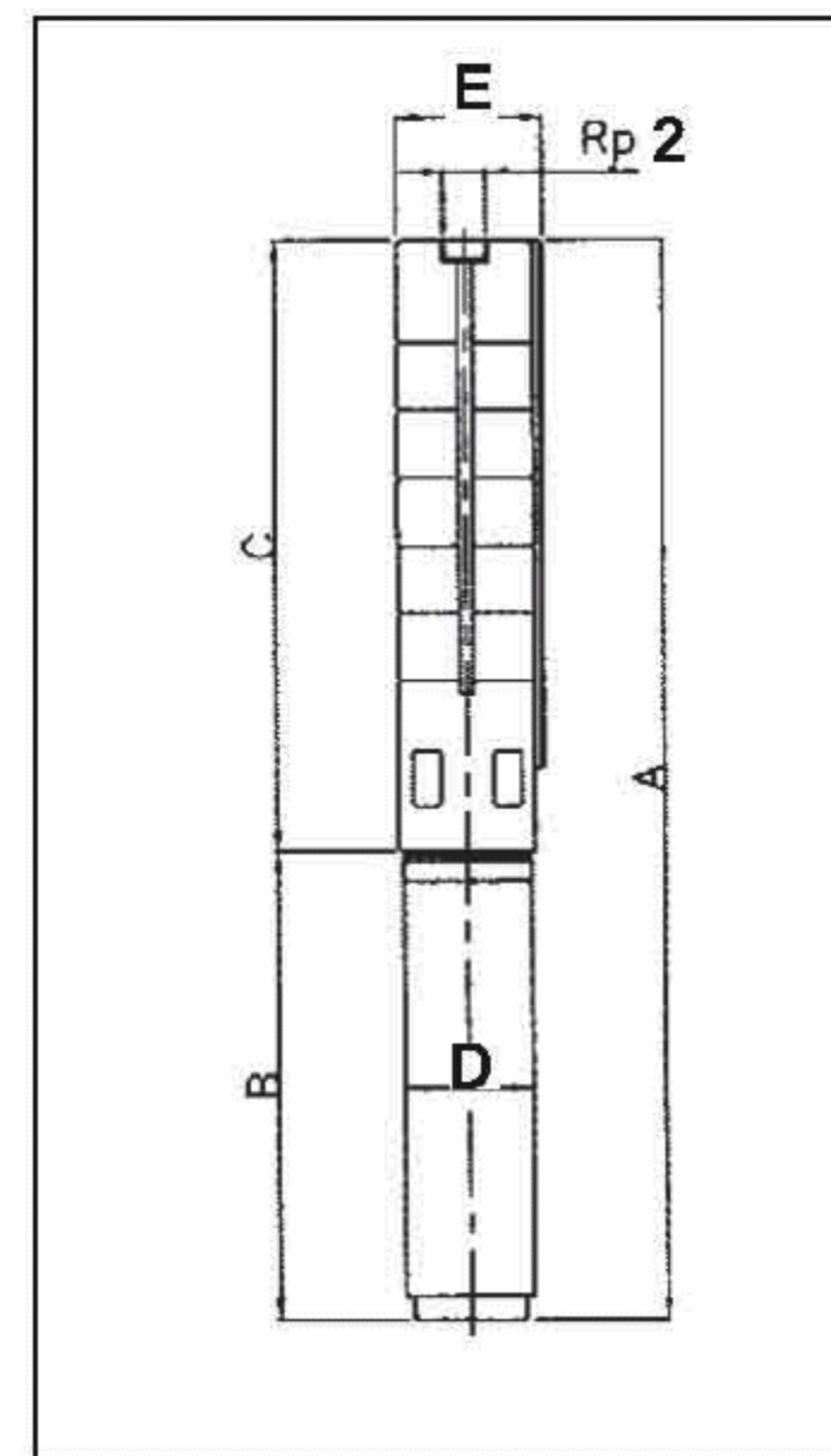
**Performance Curve**

Submersible Pump  
QF25



**Technical Data QF 25 and Performance Table QF 25**

**Dimensions and Weights**



B = Max. Dia of Pump inclusive of cable guard & motor.

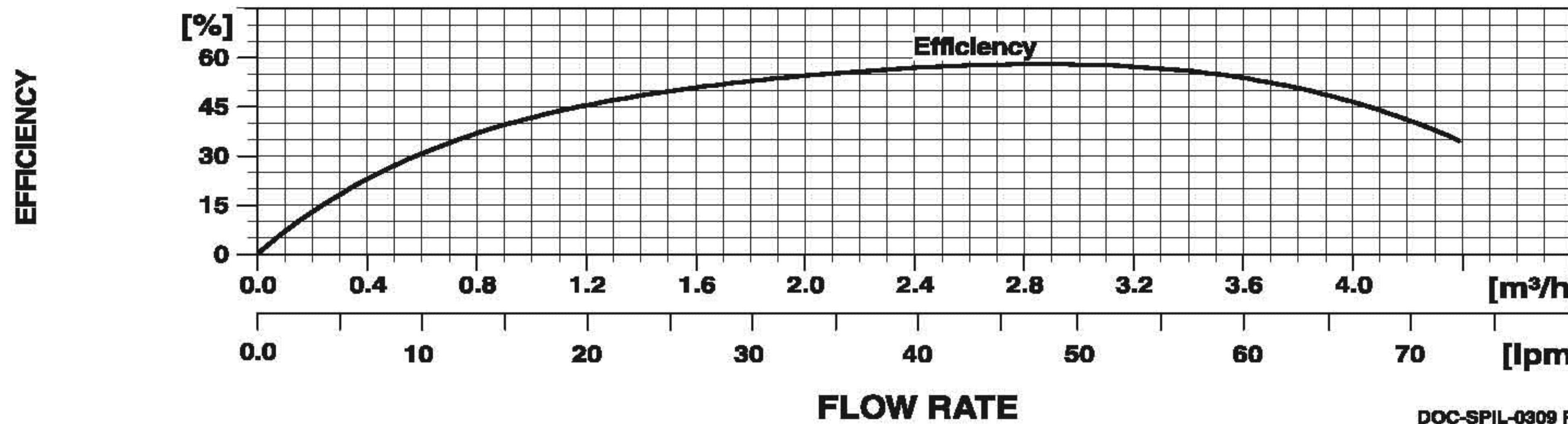
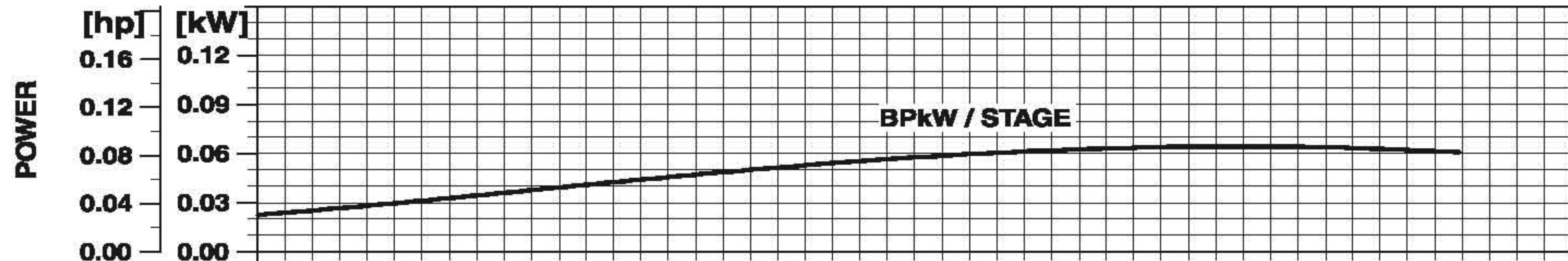
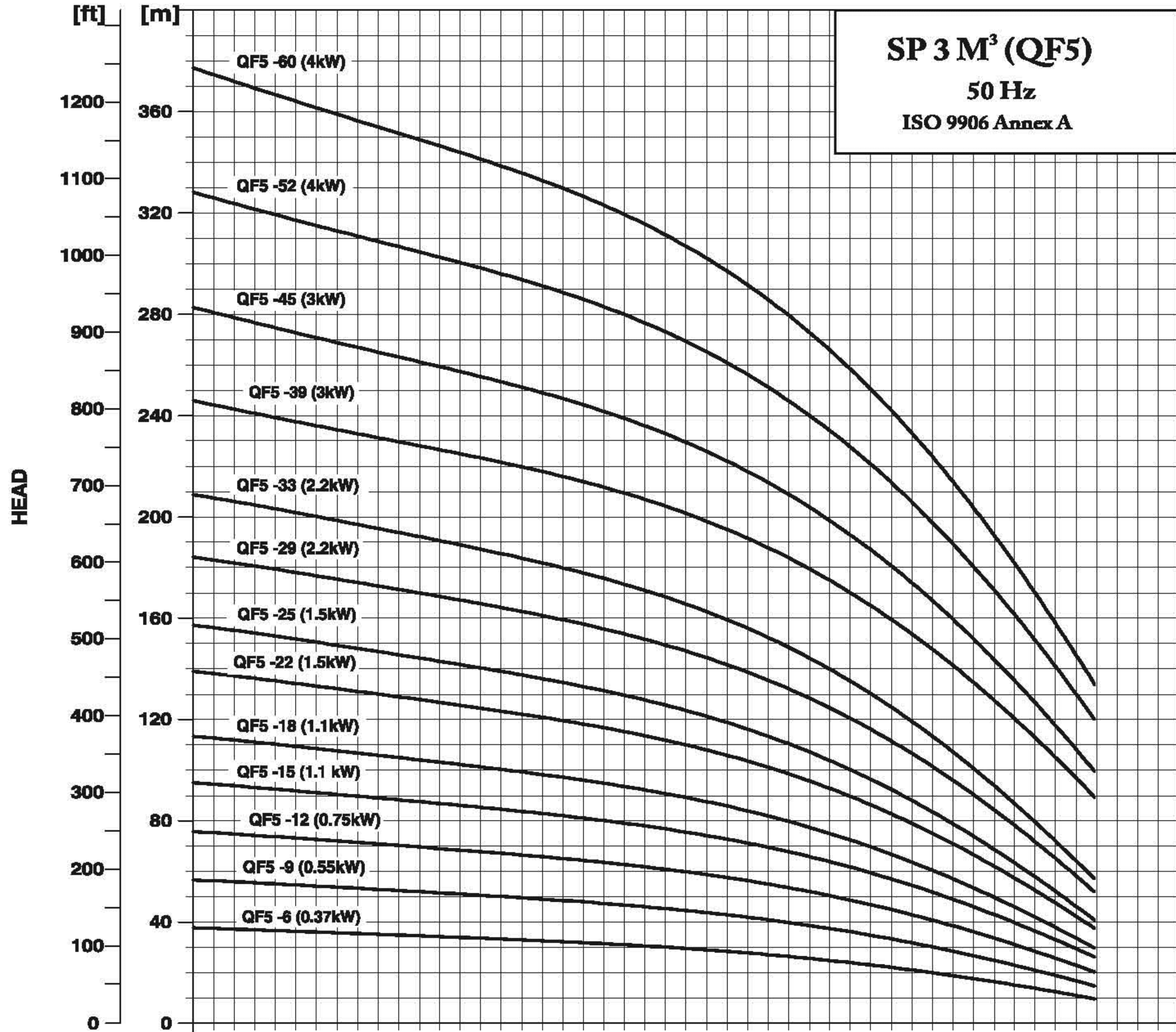
TECHNICAL DATA QF 25												
PUMP TYPE	MOTOR		DIMENSIONS (mm)								NET WEIGHT (Kg)	
	TYPE	POWER (KW)	C	B		A		D	E	PUMP WEIGHT (Kg)	MOTOR	
				1X230V	3X220V 3X400V	1X230V	3X220V 3X400V				1X230	3X220V 3X400V
QF 25 - 6	RO 100	1.5	575	478	422	1053	997	95	101	3	14	-
QF 25 - 6	RO 101	1.5	575	-	414	-	989	95	101	3	-	12
QF 25 - 8	RO 101	2.2	705	585	480	1290	1185	95	101	4	21	16
QF 25 - 11	RO 101	3	900	-	547	-	1447	95	101	4	-	19
QF 25 - 15	RO 101	4	1160	-	623	-	1783	95	101	5	-	22
QF 25 - 20	RO 101	5.5	1485	-	737	-	2222	95	101	7	-	27
QF 25 - 28	RO 101	7.5	2005	-	814	-	2819	95	101	9	-	32
QF 25 - 20	MTSF 150	5.5	1555	-	694	-	2249	142	143	7	-	48
QF 25 - 28	MTSF 150	7.5	2075	-	714	-	2789	142	143	9	-	50

**PERFORMANCE TABLE QF 25**

QF-25		DISCHARGE (Q)										
		m <sup>3</sup> /h				0	6	9	11	12	14	18
		l/min.				0	100.2	150	183.7	200.4	233.8	300.6
MODEL	CONNECTION	MOTOR RATING		1 ~	3 ~	TOTAL HEAD IN [m]						
		[KW]	[HP]	[A]	[A]							
QF 25 - 6	Rp 2"	1.5	2.0	10.2	7.6	46	42	37	34	33	28	17
QF 25 - 8		2.2	3.0	15	10	52	48	42	39	37	32	19
QF 25 - 11		3.0	4.0	15	10	72	66	58	54	51	44	26
QF 25 - 15		4.0	5.5	-	16	98	90	80	74	70	60	36
QF 25 - 20		5.5	7.5	-	27	130	120	106	98	93	80	48
QF 25 - 28		7.5	10.0	-	27	182	168	148	137	131	112	67

# Performance Curve

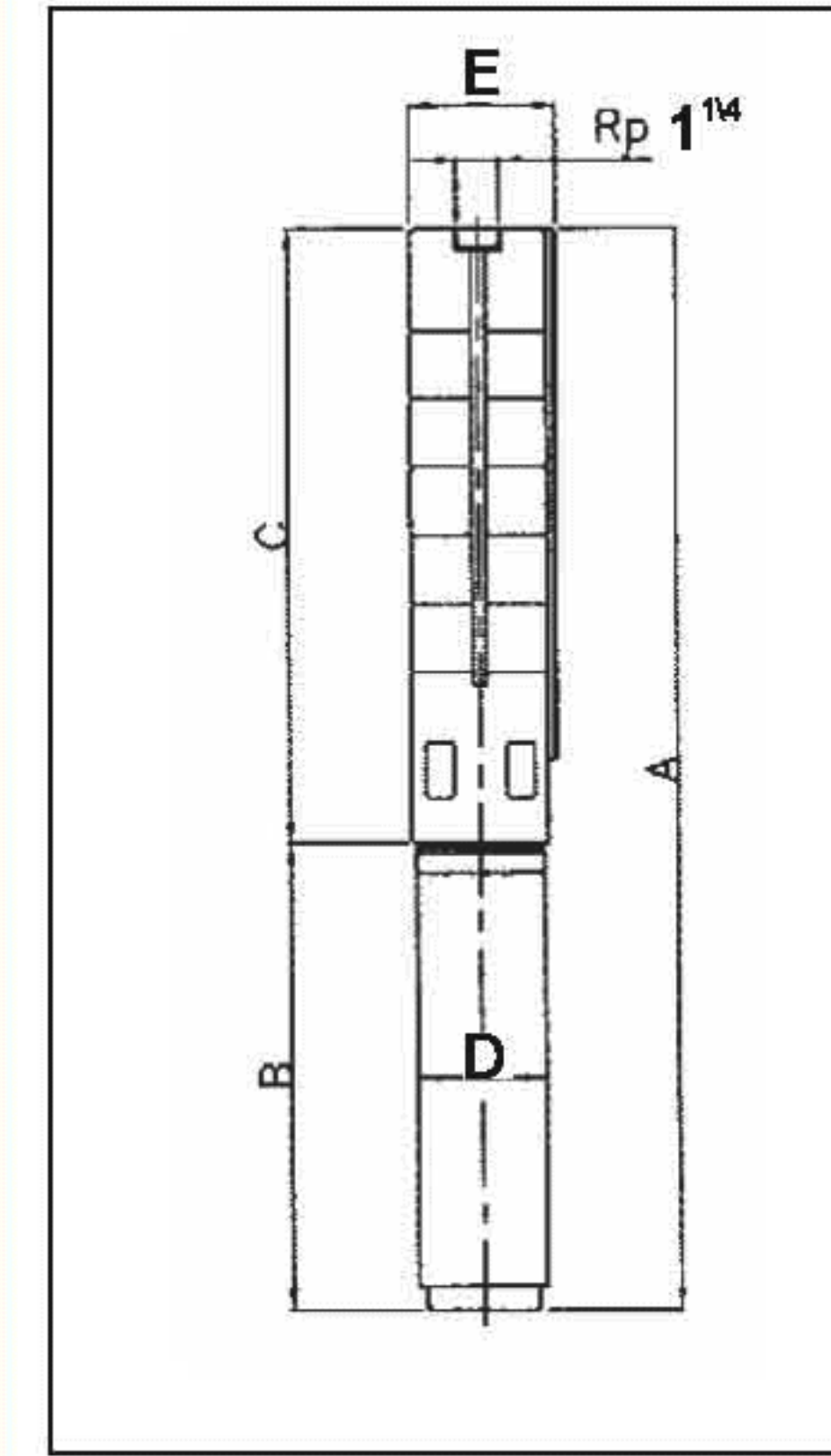
Submersible Pump  
**QF5**



DOC-SPIL-0309 PF055004

# Technical Data QF 5 and Performance Table QF 5

## Dimensions and Weights



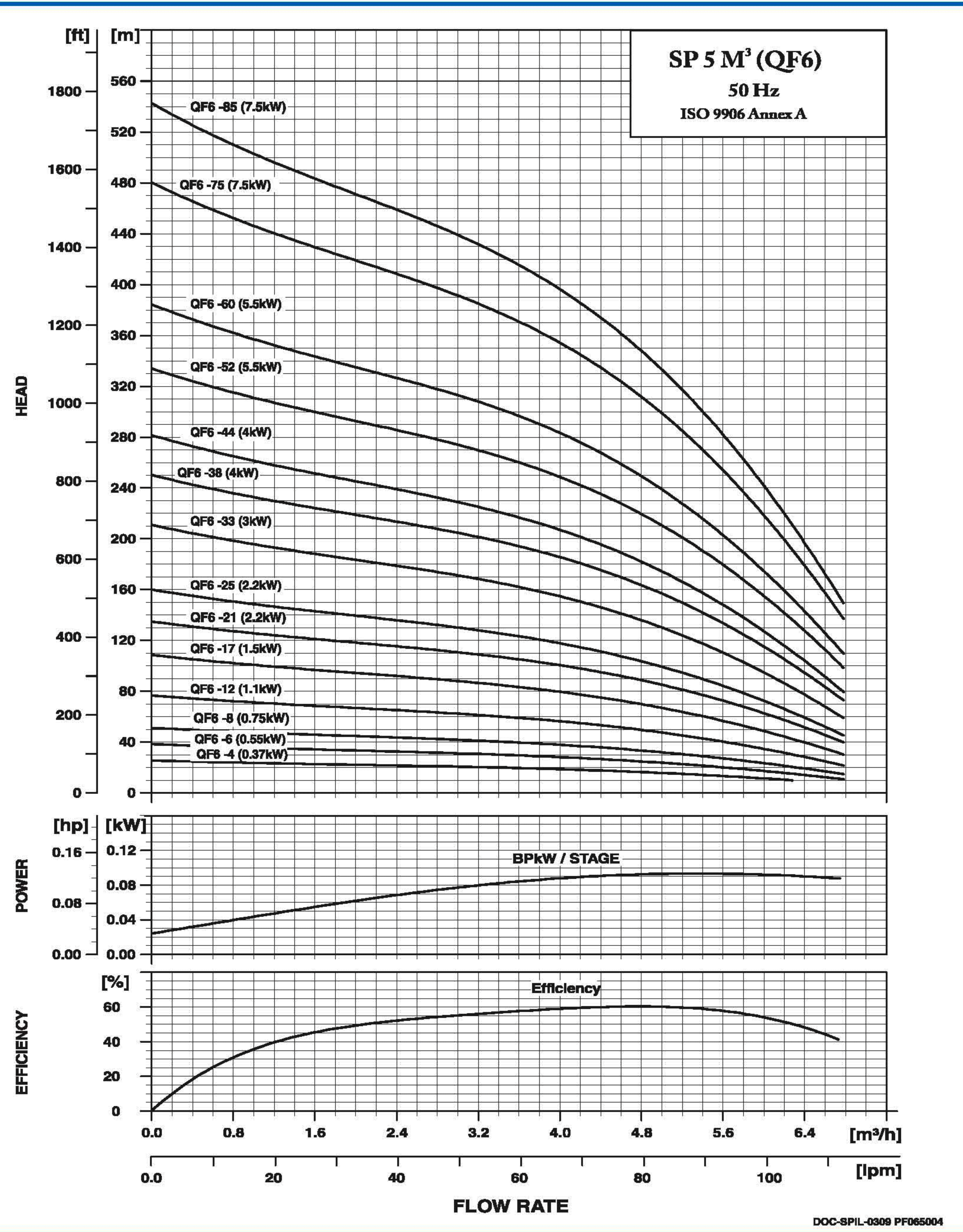
E = Max. Dia of Pump inclusive of cable guard & motor.

PUMP TYPE	MOTOR		DIMENSIONS (mm)								NET WEIGHT (Kg)	
	TYPE	POWER (kW)	C	B		A		D	E	PUMP WEIGHT (Kg)	MOTOR	
				1X230V	3X220V 3X400V	1X230V	3X220V 3X400V				1X230	3X220V 3X400V
QF 5 - 6	RO 100	0.37	312	352	302	664	614	95	101	3	8	8
QF 5 - 9	RO 100	0.55	375	367	317	742	692	95	101	4	9	9
QF 5 - 12	RO 100	0.75	438	382	352	820	790	95	101	5	10	9
QF 5 - 15	RO 100	1.1	501	422	382	923	883	95	101	5	12	10
QF 5 - 18	RO 100	1.1	564	422	382	986	946	95	101	6	12	10
QF 5 - 22	RO 100	1.5	648	478	422	1126	1070	95	101	7	14	12
QF 5 - 25	RO 100	1.5	711	478	422	1189	1133	95	101	8	14	12
QF 5 - 22	RO 101	1.5	648	517	414	1165	1062	95	101	7	14	12
QF 5 - 25	RO 101	1.5	711	517	414	1228	1125	95	101	8	14	12
QF 5 - 29	RO 101	2.2	795	585	480	1380	1275	95	101	9	20	16
QF 5 - 33	RO 101	2.2	879	585	480	1464	1359	95	101	10	20	16
QF 5 - 39	RO 101	3.0	1070	-	547	-	1617	95	101	11	-	19
QF 5 - 45	RO 101	3.0	1186	-	547	-	1743	95	101	13	-	19
QF 5 - 52	RO 101	4.0	1343	-	623	-	1966	95	101	14	-	22
QF 5 - 60	RO 101	4.0	1511	-	623	-	2134	95	101	16	-	22

QF-5		PERFORMANCE TABLE QF 5														
		DISCHARGE (Q)														
		m <sup>3</sup> /h		0	1	1.4	1.8	2	2.4	2.8	3.4	4	4.4			
		l/min.		0	16.7	23.4	30.1	33.4	40.1	46.8	56.8	66.8	73.5			
MODEL	CONNECTION	MOTOR RATING		1 ~ 3		TOTAL HEAD IN [m]										
		[KW]	[HP]	[A]	[A]	38	35	34	33	32	31	29	24	18	16	
QF 5 - 6	Rp 1/4	0.37	0.5	3.6	2.5	38	35	34	33	32	31	29	24	18	16	
QF 5 - 9		0.55	0.75	3.9	4	57	53	51	50	48	46	43	36	27	23	
QF 5 - 12		0.75	1	5.8	4.2	75	70	68	66	65	61	57	48	36	31	
QF 5 - 15		1.1	1.5	7.4	6.2	94	88	85	83	81	77	71	60	45	39	
QF 5 - 18		1.1	1.5	7.3	6.2	113	105	102	99	97	92	86	72	54	47	
QF 5 - 22		1.5	2	7.3	7.6	138	128	125	121	118	113	105	88	66	57	
QF 5 - 25		1.5	2	10.2	7.6	157	146	142	138	135	128	119	100	75	65	
QF 5 - 29		2.2	3	10.2	10	182	169	165	160	156	148	138	116	87	75	
QF 5 - 33		2.2	3	15	10	207	193	188	182	178	169	157	132	99	86	
QF 5 - 39		3	4	15	27	245	228	222	215	210	200	186	156	117	101	
QF 5 - 45		3	4	-	27	283	263	256	248	242	230	214	180	135	117	
QF 5 - 52		4	5.5	-	40	327	303	296	286	280	266	248	208	156	135	
QF 5 - 60		4	5.5	-	40	377	350	341	330	323	307	286	240	180	156	

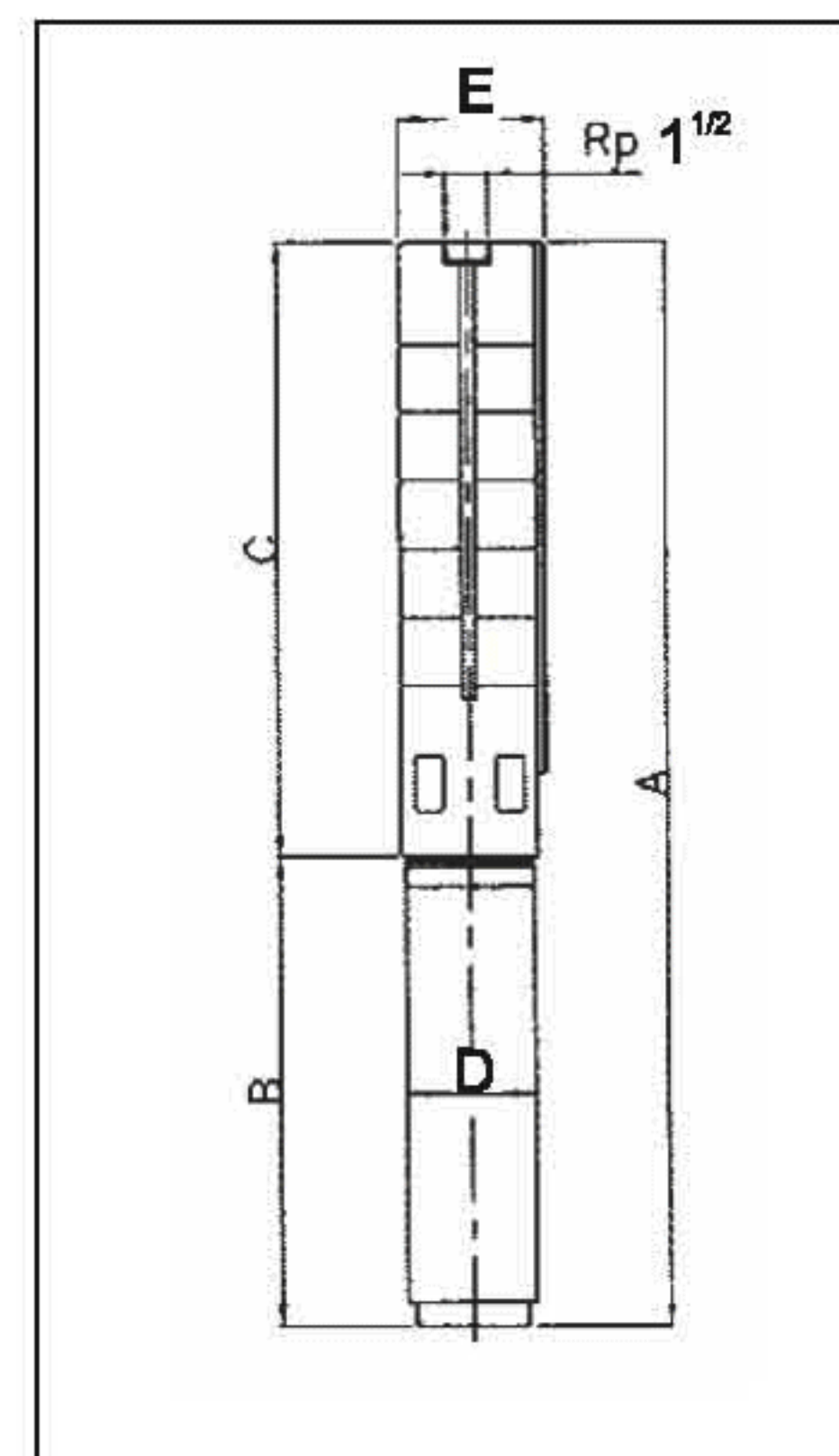
# Performance Curve

Submersible Pump  
QF6



# Technical Data QF 6 and Performance Table QF 6

## Dimensions and Weights



E = Max. Dia of Pump inclusive of cable guard & motor.

QF6-75 and QF6-85 are mounted in sleeve for R 1 1/2" connection

PUMP TYPE	MOTOR		DIMENSIONS (mm)						NET WEIGHT (Kg)		
	TYPE	POWER (KW)	C	B		A		D	E	MOTOR	
				1X230V	3X220V / 3X400V	1X230V	3X220V / 3X400V			PUMP WEIGHT (Kg)	1X230 / 3X400V
QF 6 - 4	RO 100	0.37	270	352	302	622	572	95	101	3	8 / 8
QF 6 - 6	RO 100	0.55	312	367	317	679	629	95	101	3	9 / 9
QF 6 - 8	RO 100	0.75	354	382	352	736	706	95	101	4	10 / 10
QF 6 - 12	RO 100	1.1	438	422	382	880	820	95	101	5	12 / 12
QF 6 - 17	RO 100	1.5	543	478	422	1021	965	95	101	6	14 / 13
QF 6 - 17	RO 101	1.5	543	517	414	1060	957	95	101	6	14 / 12
QF 6 - 21	RO 101	2.2	627	585	480	1212	1107	95	101	7	20 / 16
QF 6 - 25	RO 101	2.2	711	585	480	1296	1191	95	101	8	20 / 16
QF 6 - 33	RO 101	3.0	879	-	547	-	1426	95	101	10	- / 19
QF 6 - 38	RO 101	4.0	1049	-	623	-	1672	95	101	11	- / 22
QF 6 - 44	RO 101	4.0	1175	-	623	-	1798	95	101	12	- / 22
QF 6 - 52	RO 101	5.5	1343	-	737	-	2080	95	101	14	- / 27
QF 6 - 60	RO 101	5.5	1511	-	737	-	2248	95	101	16	- / 27
QF 6 - 75	RO 101	7.5	1826	-	814	-	2640	95	101	20	- / 31
QF 6 - 85	RO 101	7.5	2036	-	814	-	2850	95	101	22	- / 31
QF 6 - 52	MATASF 150	5.5	1418	-	894	-	2112	142	142	14	- / 48
QF 6 - 60	MATASF 150	5.5	1586	-	894	-	2280	142	142	16	- / 48
QF 6 - 75	MATASF 150	7.5	1901	-	714	-	2615	142	142	20	- / 50
QF 6 - 85	MATASF 150	7.5	2111	-	714	-	2825	142	142	22	- / 50

## PERFORMANCE TABLE QF 6

QF-6		DISCHARGE (Q)																
		m <sup>3</sup> /h		TOTAL HEAD IN [m]														
		0	1	1.4	1.8	2	2.4	2.8	3.4	4	4.4	5	6	6.7				
		0	17	23	30	33	40	47	57	67	74	84	100	112				
MODEL	CONNECTION	MOTOR RATING																
		[KW]	[HP]	[A]	[A]													
QF 6 - 4	Rp 1 1/2	0.37	0.5	3.9	2.5	26	24	23	23	22	22	21	20	19	18	16	12	9
QF 6 - 6		0.55	0.75	5.8	4	38	36	35	34	33	33	32	30	28	27	24	17	13
QF 6 - 8		0.75	1	7.4	4.2	51	48	46	45	45	43	43	40	38	36	32	23	17
QF 6 - 12		1.1	1.5	7.3	6.2	77	72	69	68	67	65	64	61	57	54	48	35	26
QF 6 - 17		1.5	2	10	7.6	109	102	98	96	95	92	90	86	80	76	67	50	37
QF 6 - 21		2.2	3	15	10	134	126	121	119	117	114	112	106	99	94	83	61	45
QF 6 - 25		2.2	3	15	10	160	150	144	141	140	135	133	126	118	112	99	73	54
QF 6 - 33		3	4	23	16	211	198	190	186	184	179	175	167	156	148	131	96	71
QF 6 - 38		4	5.5	-	27	243	228	219	215	212	206	202	192	179	170	151	111	82
QF 6 - 44		4	5.5	-	27	282	264	253	249	246	238	234	222	208	197	175	128	95
QF 6 - 52		5.5	7.5	-	40	333	312	299	294	290	282	276	263	245	233	206	152	113
QF 6 - 60		5.5	7.5	-	40	384	360	345	339	335	325	319	303	283	269	238	175	130
QF 6 - 75		7.5	10	-	-	480	450	431	424	419	406	399	379	354	336	298	219	162
QF 6 - 85		7.5	10	-	-	544	510	489	480	475	460	452	429	401	381	337	248	184