SISTEMA®

6”, 8”, 10” Semiaxial Submersible Pumps in Cast Iron

Made in Italy

Catalogo 50 Hz

SISTEMA®

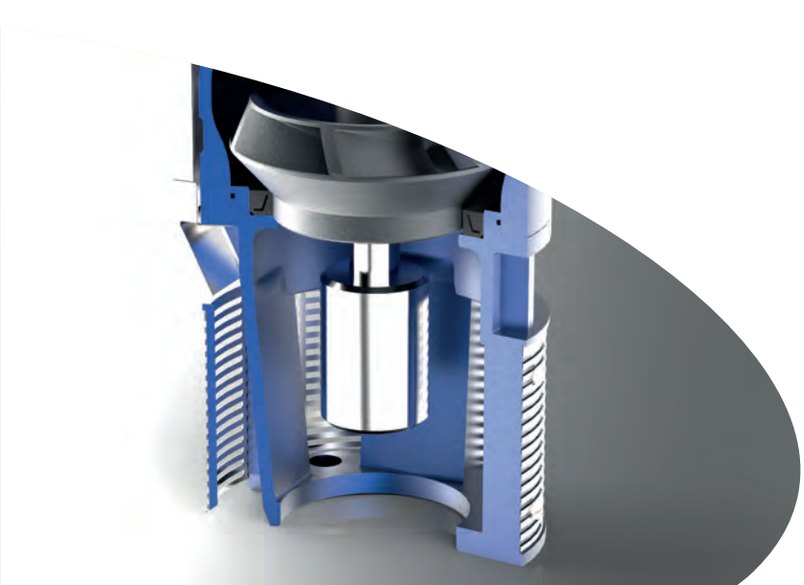
6’’/8’’/10’’SUBMERSIBLE SEMIAXIAL PUMPS SERIES 140/180/230 REC, IN CAST IRON

Impeller and diffuser in cast iron

Heavy Duty construction

6", 8" and 10" cast iron semiaxial pump

Extensive range from 34 m³/hour up to 240 m³/hour



6’’/8’’/10’’SUBMERSIBLE SEMIAXIAL PUMPS SERIES 140/180/230 REC, IN CAST IRON

6’’/8’’/10’’SUBMERSIBLE SEMIAXIAL PUMPS SERIES 140/180/230 REC, IN CAST IRON

The semiaxial pumps impellers with diffusers integrated. These pumps are usually ideal for medium-high capacity and medium head required. SISTEMA's production offers standard semi-axial pumps from 6” to 10”.

ADVANTAGES

Panelli innovative design and the most advanced micro casting technologies allow:

- *High efficiency*
- *Longer life*
- *Easy assembly/ disassembly*
- *Low maintenance*
- *Low operating cost*

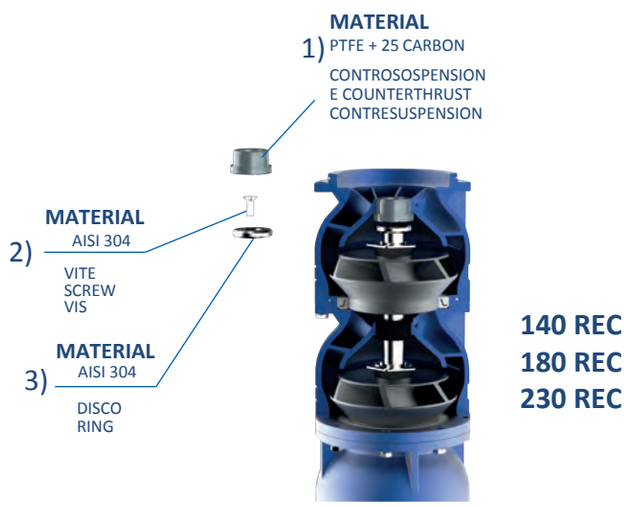
MATERIALS

- *Impellers, diffusers, suction cage and delivery bowl in cast iron*
- *Pump shaft in AISI 304 stainless steel*
- *Wear rings, bearing buses, valve seal in NBR*
- *Counter thrust in PTFE+25% GRAFITE*

HYDRAULIC PERFORMANCES

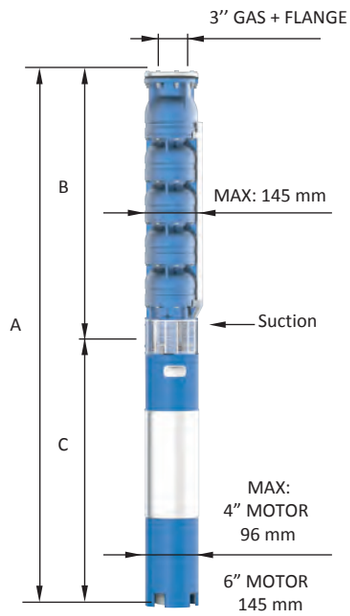
- *Capacity up to 300 m³/h*
- *Head up to 450 m*
- *Power up to 147 kW*
- *Maximum sand tolerance : 50g/m³*
- *Maximum depth : 300 metres*

up to 200 HP (147 Kw)

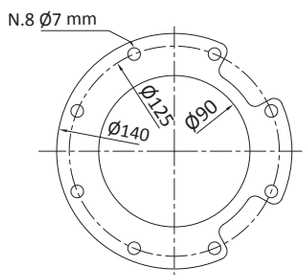


6" 140 REC 34 SEMIAXIAL SUBMERSIBLE PUMP - IN CAST IRON

Motor	50 Hz - 2900 rpm				Q = Capacity						
Type	Power		V 400	l/min	0	300	400	500	600	700	800
				l/sec	0	5,00	6,67	8,33	10,00	11,67	13,33
	kW	HP	A	m³/h	0	18	24	30	36	42	48
140 REC 34/03	4	5,5	10	H[m]	44	38	36	33	29	24	17
140 REC 34/04	5,50	7,5	12,5		59	50	48	44	38	31	22
140 REC 34/05	7,50	10	17,5		74	63	59	54	48	39	28
140 REC 34/06	7,50	10	17,5		89	75	71	65	58	47	34
140 REC 34/07	9,20	12,5	21		103	88	83	76	67	55	39
140 REC 34/08	11	15	24,5		118	100	95	87	77	63	45
140 REC 34/09	11	15	24,5		133	113	107	98	87	71	51
140 REC 34/10	13	17,5	28		148	125	119	109	96	79	56
140 REC 34/11	15	20	32		162	138	131	120	106	87	62
140 REC 34/12	15	20	35		177	150	143	131	115	94	67
140 REC 34/13	18,50	25	40		192	163	154	141	125	102	73
140 REC 34/14	18,50	25	40		207	175	166	152	135	110	79
140 REC 34/15	18,50	25	40		221	188	178	163	144	118	84



Motor 50 Hz - 2900 rpm	Overall dimensions and weights				
Type	A mm Tri	B mm	C mm Tri	M kg Tri	P kg
140 REC 34/03	1133	536	597	22	21
140 REC 34/04	1335	637	698	27	25
140 REC 34/05	1556	738	818	32	30
140 REC 34/06	1657	839	818	32	34
140 REC 34/07	1691	940	751	60	39
140 REC 34/08	1852	1041	811	65	43
140 REC 34/09	1953	1142	811	70	48
140 REC 34/10	2084	1243	841	75	52
140 REC 34/11	2275	1344	931	75	57
140 REC 34/12	2376	1445	931	83	61
140 REC 34/13	2537	1546	991	83	66
140 REC 34/14	2638	1647	991	92	70
140 REC 34/15	2739	1748	991	92	75

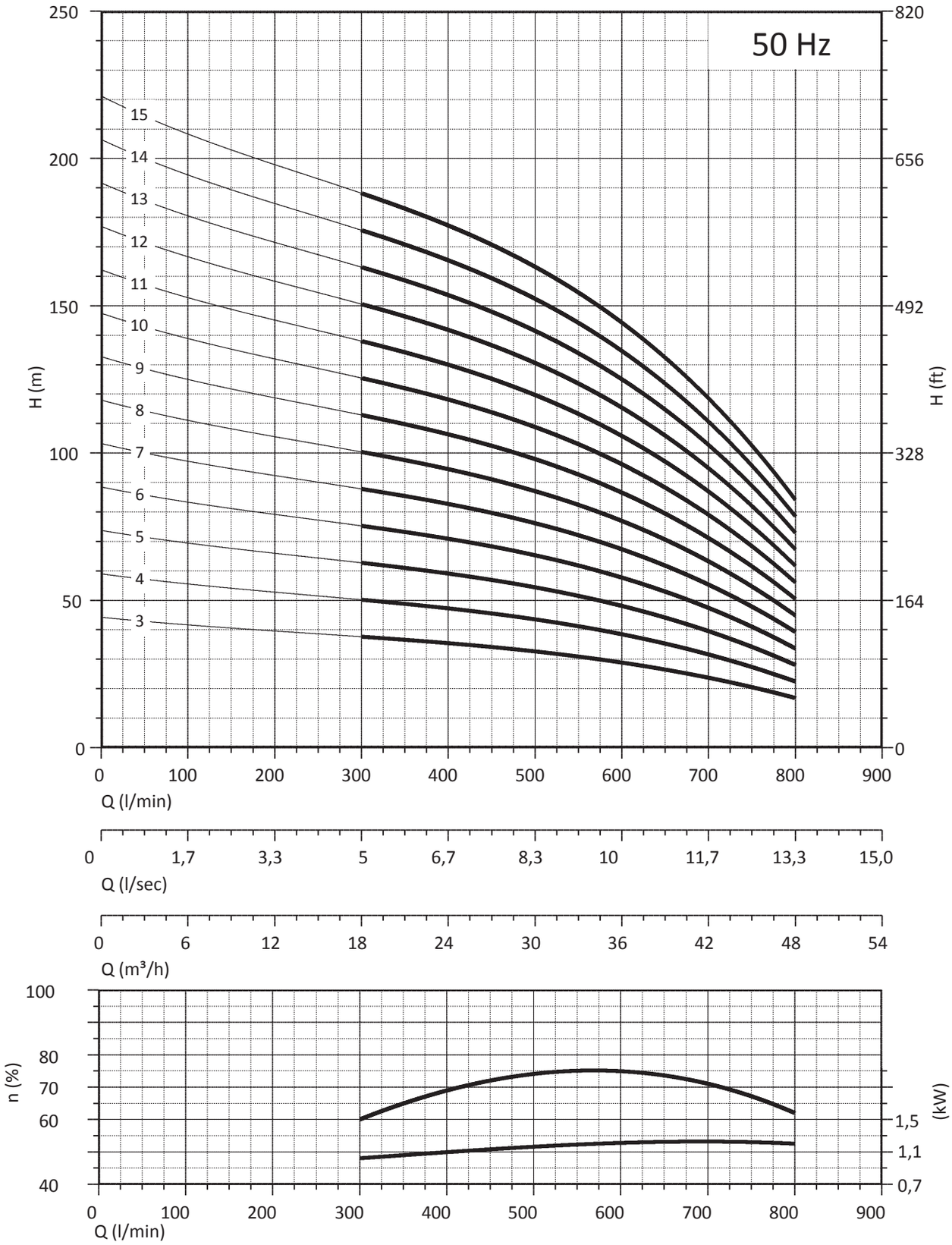


FOR COMMERCIAL TUBE EXTERNAL DIAMETER : 88,9 mm

n% = Pump efficiency **Max 75 %**
kW/st = Stage absorption **Max 1,22**

Sand tolerance 50 g/m³ - MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

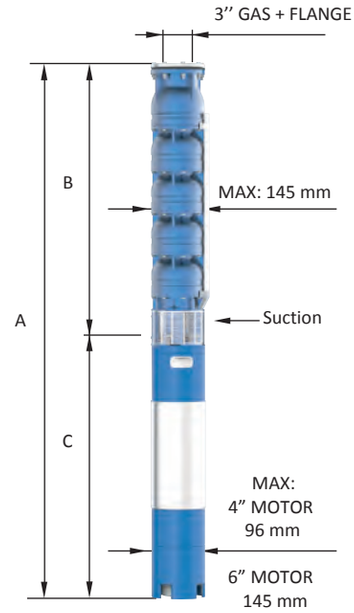
PERFORMANCE CURVES

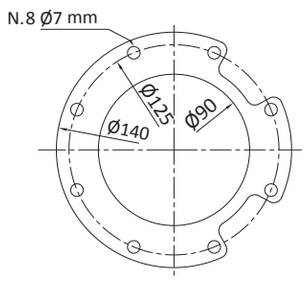


NPSH (m)	25%	50%	75%	100%
140 REC 34	3,4	3,4	3,8	8

6" 140 REC 34 SEMIAXIAL SUBMERSIBLE PUMP - IN CAST IRON

Motor	50 Hz - 2900 rpm				Q = Capacity						
Type	Power		V 400	l/min	0	300	400	500	600	700	800
				l/sec	0	5,00	6,67	8,33	10,00	11,67	13,33
	kW	HP	A	m^3/h	0	18	24	30	36	42	48
140 REC 34/16	22	30	47,5	H[m]	236	200	190	174	154	126	90
140 REC 34/17	22	30	47,5		251	213	202	185	164	134	96
140 REC 34/18	26	35	55		266	225	214	196	173	142	101
140 REC 34/19	26	35	55		280	238	226	207	183	150	107
140 REC 34/20	26	35	55		295	250	238	218	192	157	112
140 REC 34/21	26	35	55		310	263	249	228	202	165	118
140 REC 34/22	30	40	62,5		325	275	261	239	212	173	124
140 REC 34/23	30	40	62,5		339	288	273	250	221	181	129
140 REC 34/24	30	40	62,5		354	300	285	261	231	189	135
140 REC 34/25	37	50	78		369	313	297	272	240	197	141
140 REC 34/26	37	50	78		384	325	309	283	250	205	146
140 REC 34/27	37	50	78		398	338	321	294	260	212	152
140 REC 34/28	37	50	78		413	350	333	305	269	220	157
140 REC 34/29	37	50	78		428	363	344	315	279	228	163
140 REC 34/30	37	50	78		443	375	356	326	289	236	169





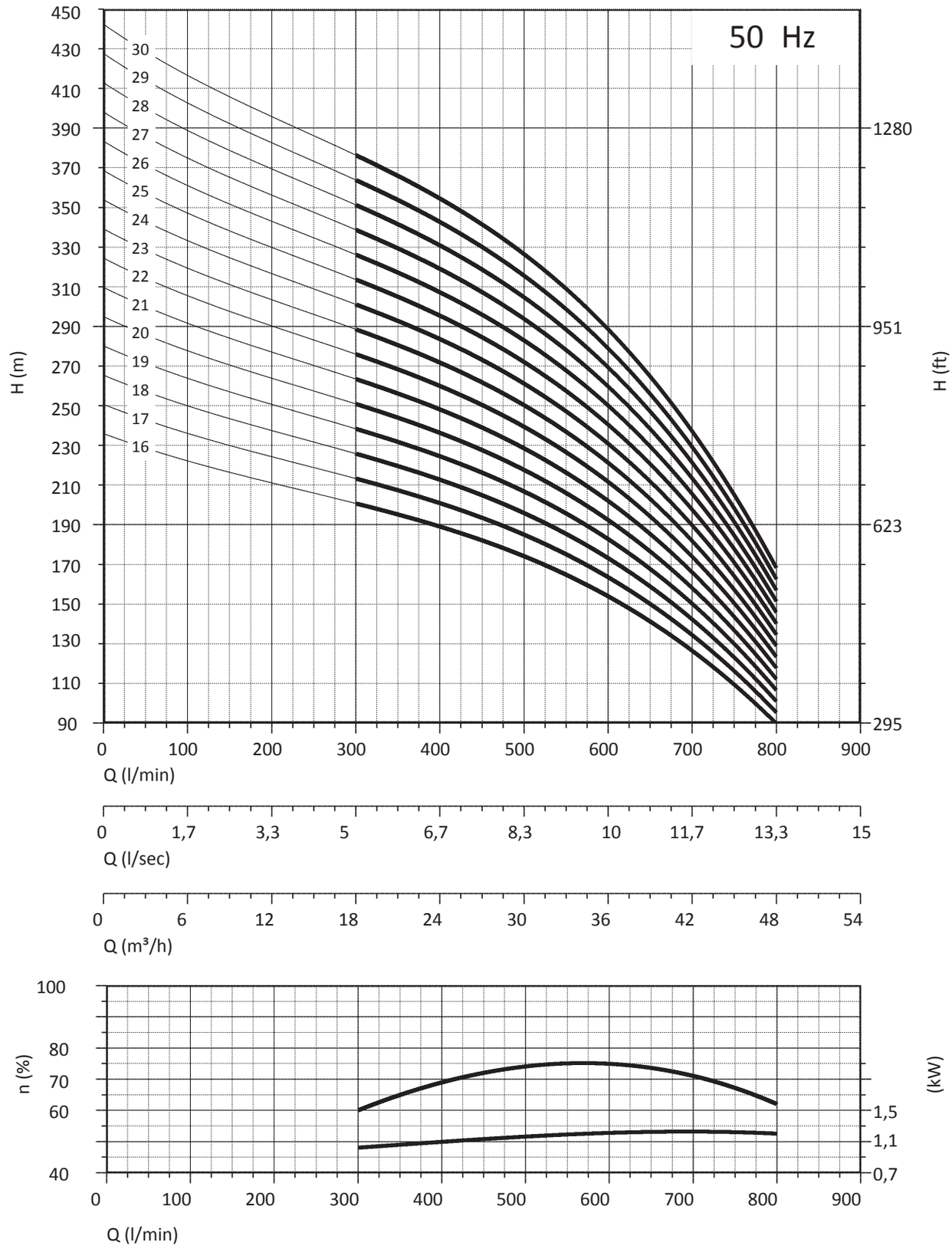
FOR COMMERCIAL TUBE EXTERNAL DIAMETER : 88,9 mm

Motor 50 Hz - 2900 rpm	Overall dimensions and weights				
Type	A mm Tri	B mm	C mm Tri	M kg Tri	P kg
140 REC 34/16	2920	1849	1071	92	79
140 REC 34/17	3021	1950	1071	92	84
140 REC 34/18	3232	2051	1181	100	88
140 REC 34/19	3333	2152	1181	100	93
140 REC 34/20	3434	2253	1181	100	97
140 REC 34/21	3535	2354	1181	108	102
140 REC 34/22	3706	2455	1251	108	106
140 REC 34/23	3807	2556	1251	108	111
140 REC 34/24	3908	2657	1251	118	115
140 REC 34/25	4099	2758	1341	118	120
140 REC 34/26	4200	2859	1341	118	124
140 REC 34/27	4301	2960	1341	118	129
140 REC 34/28	4402	3061	1341	118	133
140 REC 34/29	4503	3162	1341	118	138
140 REC 34/30	4604	3263	1341	118	142

n% = Pump efficiency **Max 75 %**
kW/st = Stage absorption **Max 1,22**

Sand tolerance 50 g/m³ - MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

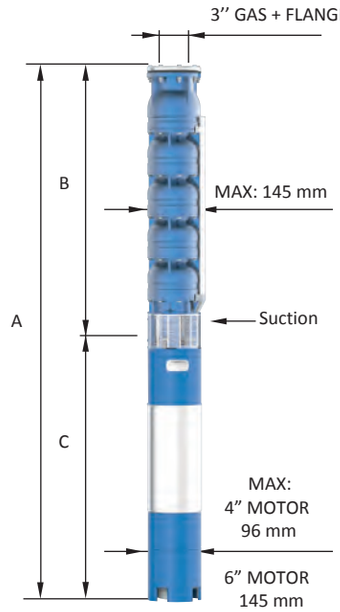
PERFORMANCE CURVES

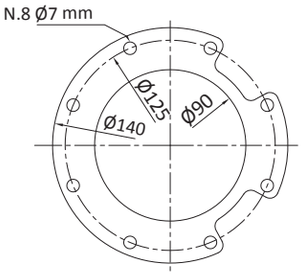


NPSH (m)	25%	50%	75%	100%
140 REC 34	3,4	3,4	3,8	8

6" 140 REC 44 SEMIAXIAL SUBMERSIBLE PUMP - IN CAST IRON

Motor	50 Hz - 2900 rpm				Q = Capacity							
Type	Power		V 400	l/min	0	400	500	600	700	800	900	1000
				l/sec	0	6,67	8,33	10	11,67	13,33	15	16,67
	kW	HP	A	m³/h	0	24	30	36	42	48	54	60
140 REC 44/04	5,50	7,5	13,5	H[m]	53	43	41	38	36	31	27	21
140 REC 44/05	7,50	10	17,5		67	53	51	48	45	39	34	27
140 REC 44/06	9,20	12,5	21		80	64	61	58	53	47	41	31
140 REC 44/07	11	15	24,5		93	75	71	67	62	55	48	37
140 REC 44/08	11	15	24,5		107	85	81	77	71	63	54	42
140 REC 44/09	13	17,5	28		120	96	91	86	80	71	61	48
140 REC 44/10	15	20	32		133	107	101	96	89	79	68	53
140 REC 44/11	15	20	32		147	117	111	106	98	86	75	58
140 REC 44/12	18,50	25	40		160	128	122	115	107	94	82	64
140 REC 44/13	18,50	25	40		173	139	132	125	116	102	88	69
140 REC 44/14	22	30	47,5		187	149	142	134	125	110	95	74
140 REC 44/15	22	30	47,5		200	160	152	144	134	118	102	80





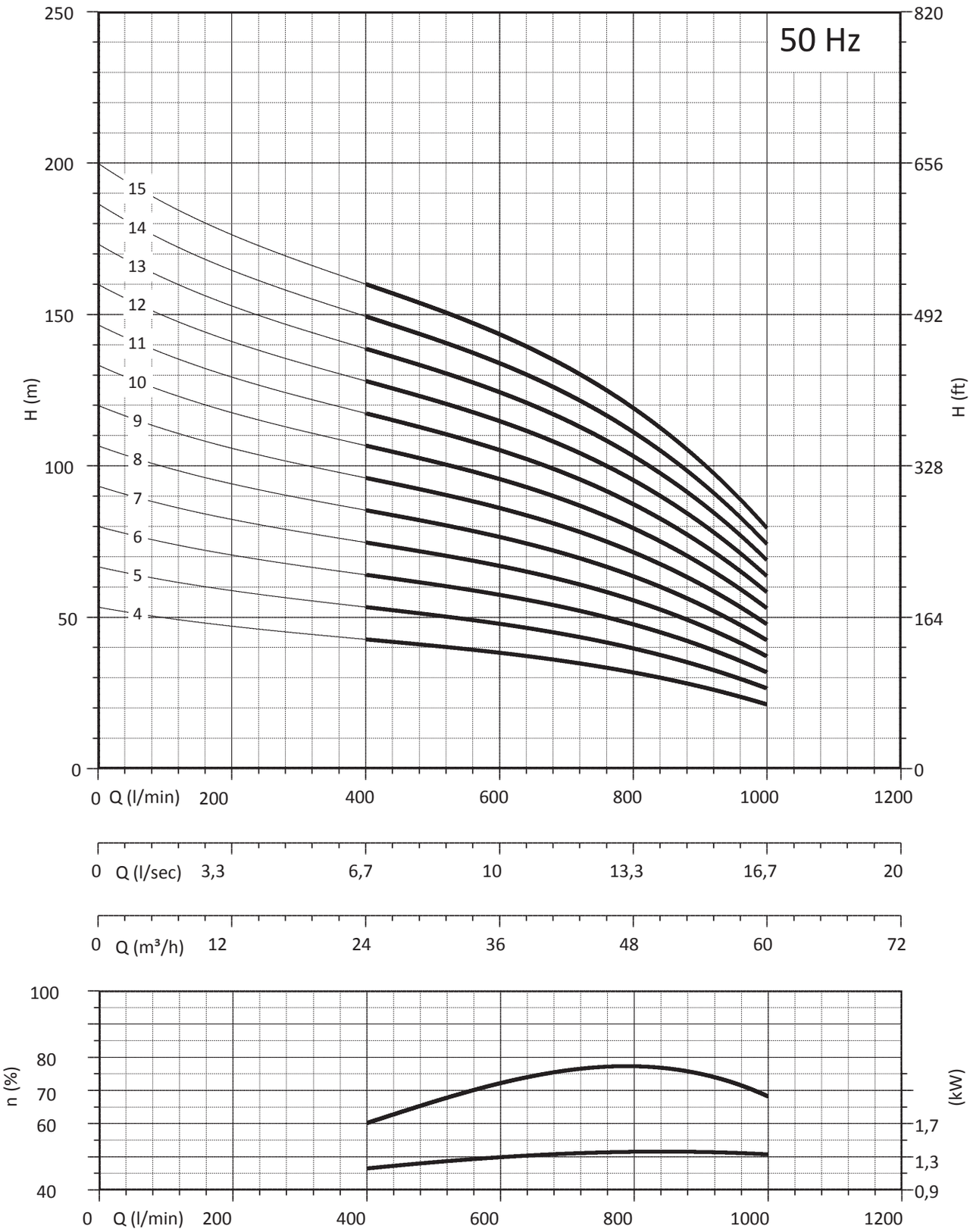
FOR COMMERCIAL TUBE EXTERNAL DIAMETER : 88,9 mm

Motor 50 Hz - 2900 rpm	Overall dimensions and weights				
Type	A mm Tri	B mm	C mm Tri	M kg Tri	P kg
140 REC 44/04	1335	637	698	27	25
140 REC 44/05	1556	738	818	32	30
140 REC 44/06	1590	839	751	60	34
140 REC 44/07	1751	940	811	65	39
140 REC 44/08	1852	1041	811	70	43
140 REC 44/09	1983	1142	841	75	48
140 REC 44/10	2174	1243	931	75	52
140 REC 44/11	2275	1344	931	83	57
140 REC 44/12	2436	1445	991	83	61
140 REC 44/13	2537	1546	991	92	66
140 REC 44/14	2718	1647	1071	92	70
140 REC 44/15	2819	1748	1071	92	75

n% = Pump efficiency **Max 76,9 %**
kW/st = Stage absorption **Max 1,37**

Sand tolerance 50 g/m³ - MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

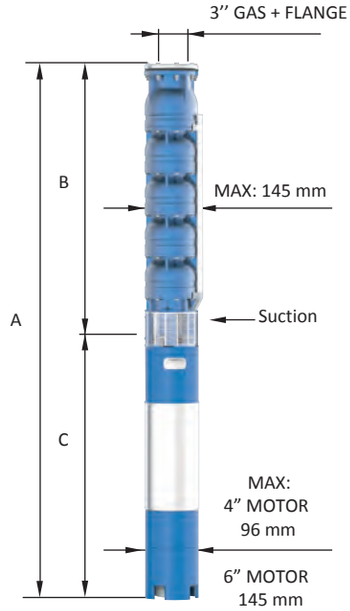
PERFORMANCE CURVES

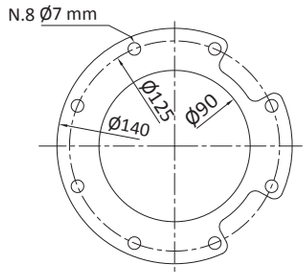


NPSH (m)	25%	50%	75%	100%
140 REC 44	3,45	3,5	3,8	5

6" 140 REC 44 SEMIAXIAL SUBMERSIBLE PUMP - IN CAST IRON

Motor	50 Hz - 2900 rpm				Q = Capacity							
Type	Power		V 400	l/min	0	400	500	600	700	800	900	1000
				l/sec	0	6,67	8,33	10	11,67	13,33	15	16,67
	kW	HP	A	m^3/h	0	24	30	36	42	48	54	60
140 REC 44/16	22	30	47,5	H[m]	213	171	162	154	142	126	109	85
140 REC 44/17	26	35	55		227	181	172	163	151	134	116	90
140 REC 44/18	26	35	55		240	192	182	173	160	141	122	95
140 REC 44/19	26	35	55		253	203	192	182	169	149	129	101
140 REC 44/20	30	40	62,5		267	213	203	192	178	157	136	106
140 REC 44/21	30	40	62,5		280	224	213	202	187	165	143	111
140 REC 44/22	30	40	62,5		293	235	223	211	196	173	150	117
140 REC 44/23	37	50	78		307	245	233	221	205	181	156	122
140 REC 44/24	37	50	78		320	256	243	230	214	189	163	127
140 REC 44/25	37	50	78		333	267	253	240	223	197	170	133
140 REC 44/26	37	50	78		347	277	263	250	231	204	177	138
140 REC 44/27	37	50	78		360	288	274	259	240	212	184	143





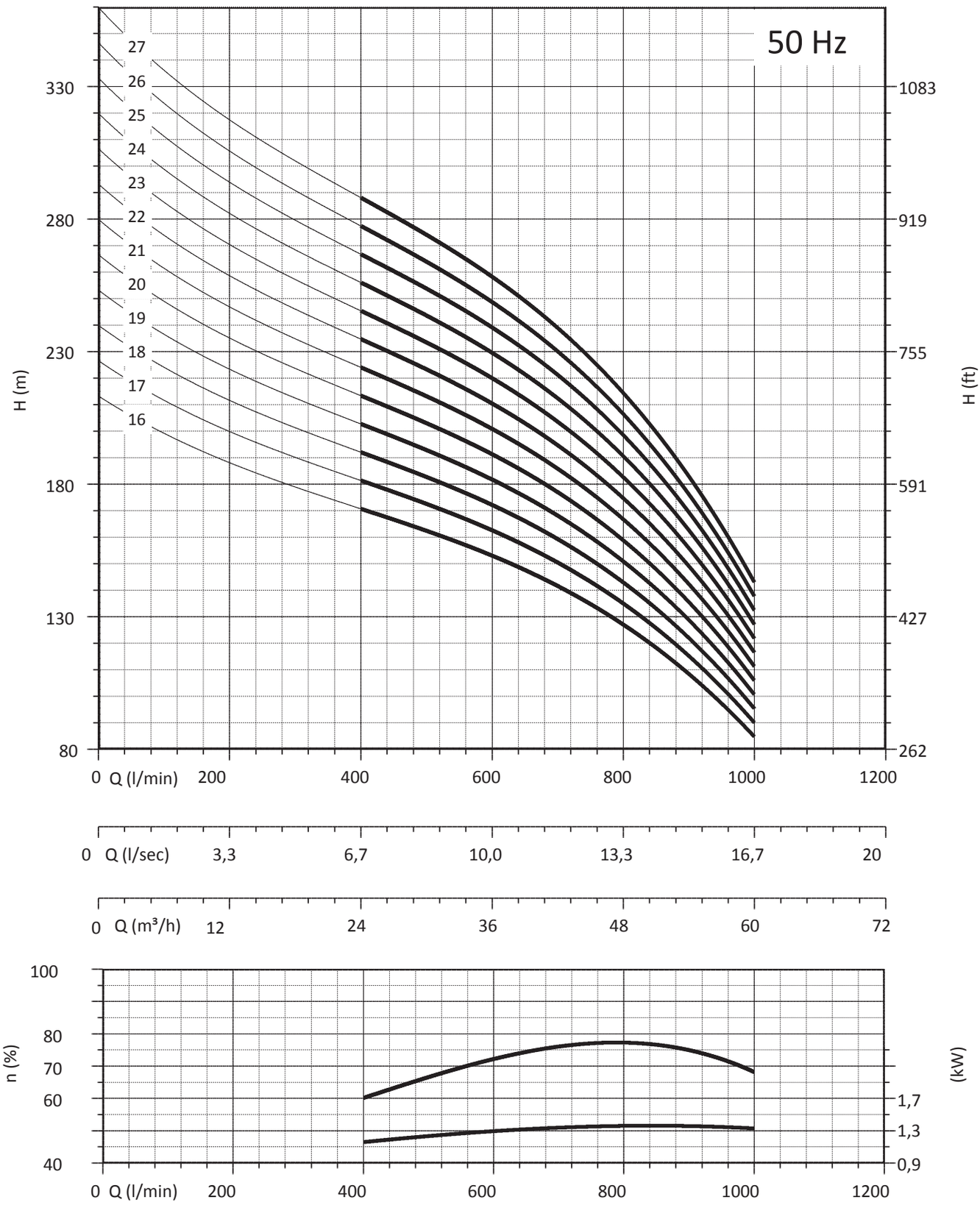
FOR COMMERCIAL TUBE EXTERNAL DIAMETER : 88,9 mm

Motor 50 Hz - 2900 rpm	Overall dimensions and weights				
Type	A mm Tri	B mm	C mm Tri	M kg Tri	P kg
140 REC 44/16	2920	1849	1071	92	79
140 REC 44/17	3131	1950	1181	100	84
140 REC 44/18	3232	2051	1181	100	88
140 REC 44/19	3333	2152	1181	100	93
140 REC 44/20	3504	2253	1251	108	97
140 REC 44/21	3605	2354	1251	108	102
140 REC 44/22	3706	2455	1251	108	106
140 REC 44/23	3897	2556	1341	118	111
140 REC 44/24	3998	2657	1341	118	115
140 REC 44/25	4099	2758	1341	118	120
140 REC 44/26	4200	2859	1341	118	124
140 REC 44/27	4301	2960	1341	118	129

n% = Pump efficiency **Max 76,9 %**
kW/st = Stage absorption **Max 1,37**

Sand tolerance 50 g/m³ - MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

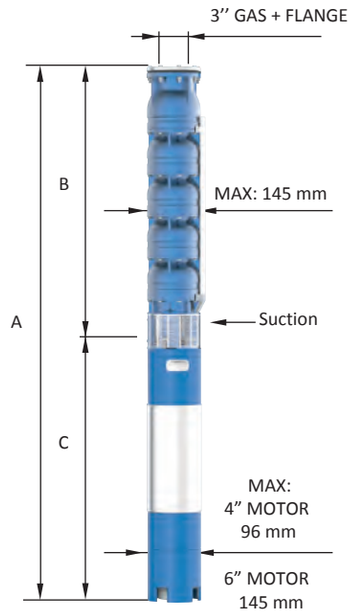
PERFORMANCE CURVES

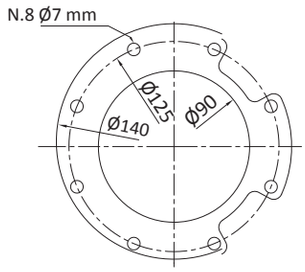


NPSH (m)	25%	50%	75%	100%
140 REC 44	3,45	3,5	3,8	5

6" 140 REC 54 SEMIAXIALSUBMERSIBLE PUMP - IN CAST IRON

Motor	50 Hz - 2900 rpm				Q = Capacity					
Type	Power		V 400	l/min	0	500	600	800	1000	1200
				l/sec	0	8,33	10	13,33	16,67	20
	kW	HP	A	m^3/h	0	30	36	48	60	72
140 REC 54/03	5,50	7,5	12,5	H[m]	41	33	30	27	21	14
140 REC 54/04	7,50	10	17,5		55	43	40	35	28	18
140 REC 54/05	9,20	12,5	21		69	54	51	44	35	23
140 REC 54/06	9,20	12,5	21		83	65	61	53	42	27
140 REC 54/07	11,00	15	24,5		97	76	71	62	49	32
140 REC 54/08	13,00	17,5	28		110	87	81	71	56	37
140 REC 54/09	15,00	20	32		124	98	91	80	63	41
140 REC 54/10	18,50	25	40		138	109	101	89	70	46
140 REC 54/11	18,50	25	40		152	119	111	97	77	50
140 REC 54/12	18,50	25	40		166	130	121	106	84	55
140 REC 54/13	22	30	47,5		179	141	131	115	91	59





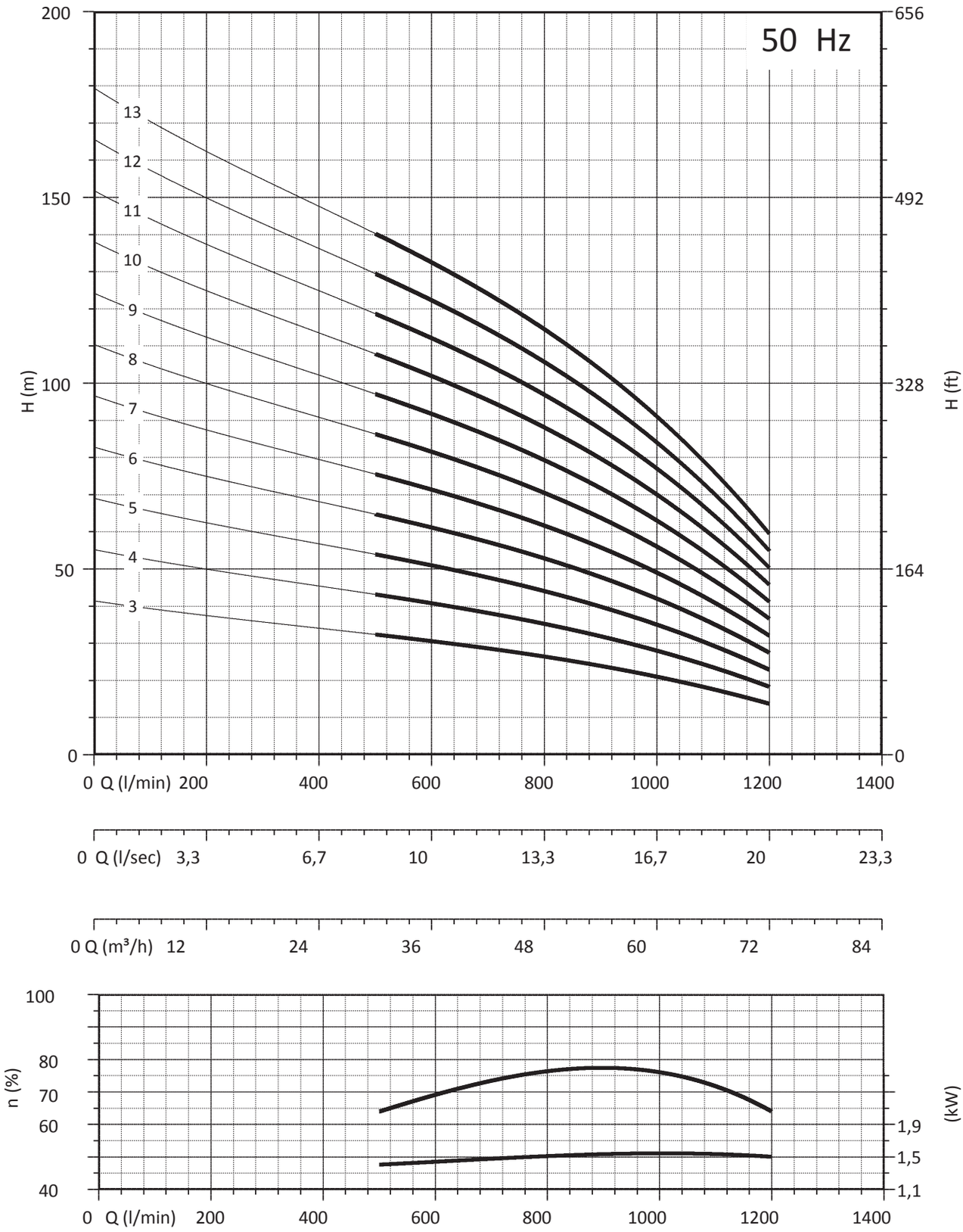
FOR COMMERCIAL TUBE EXTERNAL DIAMETER : 88,9 mm

Motor 50 Hz - 2900 rpm	Overall dimensions and weights				
Type	A mm Tri	B mm	C mm Tri	M kg Tri	P kg
140 REC 54/03	1252	554	698	27	21
140 REC 54/04	1479	661	818	32	25
140 REC 54/05	1519	768	751	60	30
140 REC 54/06	1626	875	751	60	34
140 REC 54/07	1793	982	811	65	39
140 REC 54/08	1930	1089	841	70	43
140 REC 54/09	2127	1196	931	75	48
140 REC 54/10	2294	1303	991	83	52
140 REC 54/11	2401	1410	991	83	57
140 REC 54/12	2508	1517	991	83	61
140 REC 54/13	2695	1624	1071	92	66

n% = Pump efficiency **Max 77%**
kW/st = Stage absorption **Max 1,55**

Sand tolerance 50 g/m³ - MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

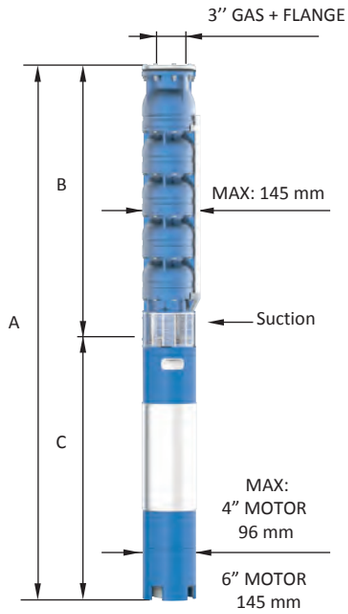
PERFORMANCE CURVES

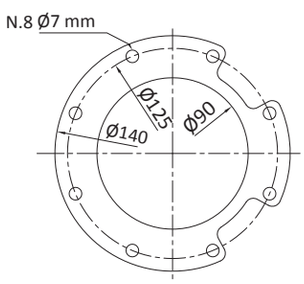


NPSH (m)	25%	50%	75%	100%
140 REC 54	3,8	3,8	5,1	7,1

6" 140 REC 54 SEMIAXIALSUBMERSIBLE PUMP - IN CAST IRON

Motor	50 Hz - 2900 rpm				Q = Capacity					
Type	Power		V 400	l/min	0	500	600	800	1000	1200
				l/sec	0	8,33	10	13,33	16,67	20
	kW	HP	A	m^3/h	0	30	36	48	60	72
140 REC 54/14	22	30	47,5	H[m]	193	152	141	124	98	64
140 REC 54/15	26	35	55		207	163	152	133	105	69
140 REC 54/16	26	35	55		221	174	162	142	112	73
140 REC 54/17	30	40	62,5		235	184	172	150	119	78
140 REC 54/18	30	40	62,5		248	195	182	159	126	82
140 REC 54/19	30	40	62,5		262	206	192	168	133	87
140 REC 54/20	37	50	78		276	217	202	177	140	91
140 REC 54/21	37	50	78		290	228	212	186	147	96
140 REC 54/22	37	50	78		304	239	222	195	154	101
140 REC 54/23	37	50	78		317	250	232	204	161	105
140 REC 54/24	37	50	78		331	260	242	212	168	110





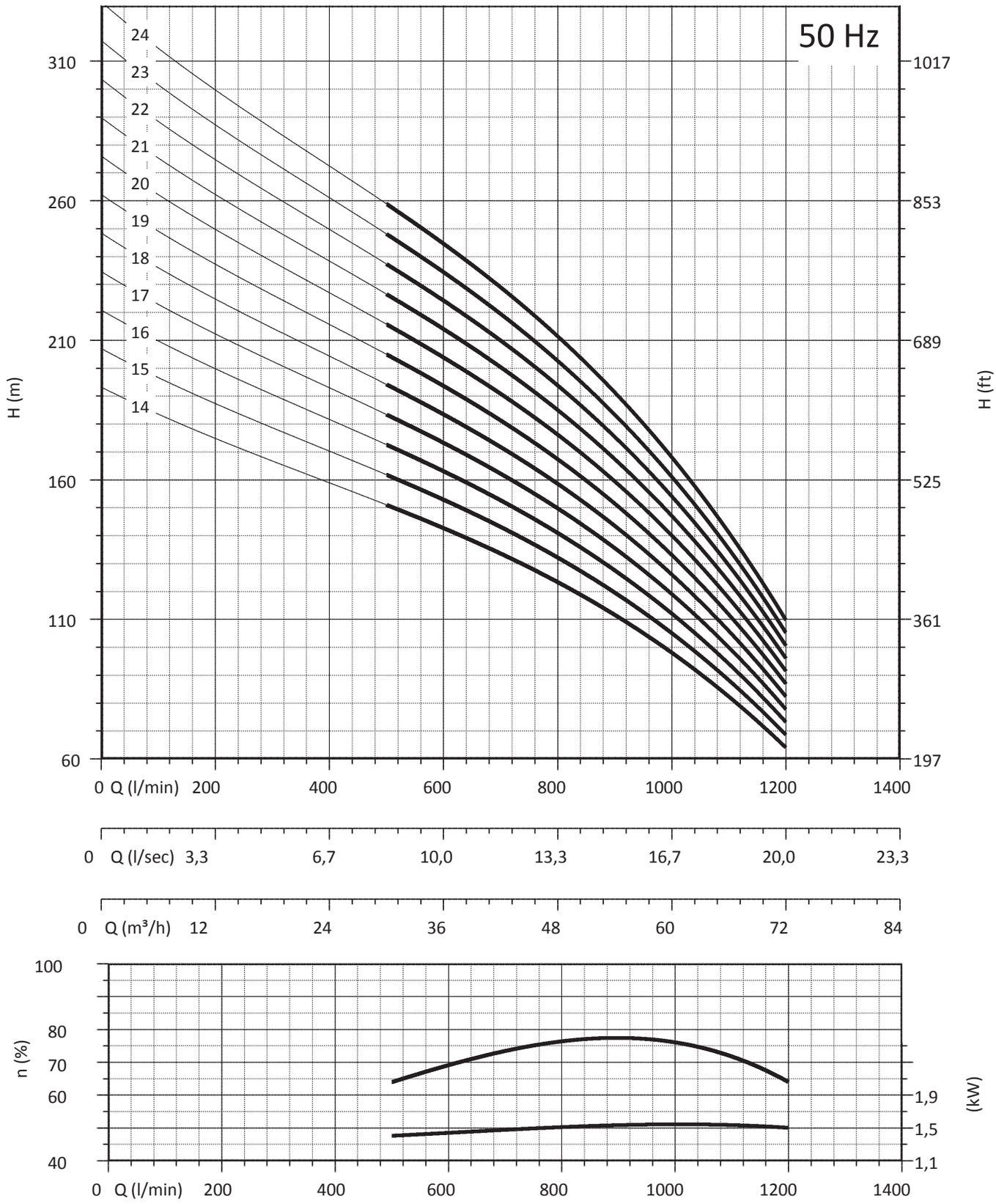
FOR COMMERCIAL TUBE EXTERNAL DIAMETER : 88,9 mm

Motor50 Hz - 2900 rpm	Overall dimensions and weights				
Type	A mm Tri	B mm	C mm Tri	M kg Tri	P kg
140 REC 54/14	2802	1731	1071	92	70
140 REC 54/15	3019	1838	1181	100	75
140 REC 54/16	3126	1945	1181	100	79
140 REC 54/17	3303	2052	1251	108	84
140 REC 54/18	3410	2159	1251	108	88
140 REC 54/19	3517	2266	1251	108	93
140 REC 54/20	3714	2373	1341	118	97
140 REC 54/21	3821	2480	1341	118	102
140 REC 54/22	3928	2587	1341	118	106
140 REC 54/23	4035	2694	1341	118	111
140 REC 54/24	4142	2801	1341	118	115

n% = Pump efficiency **Max 77%**
kW/st = Stage absorption **Max 1,55**

Sand tolerance 50 g/m³ - MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

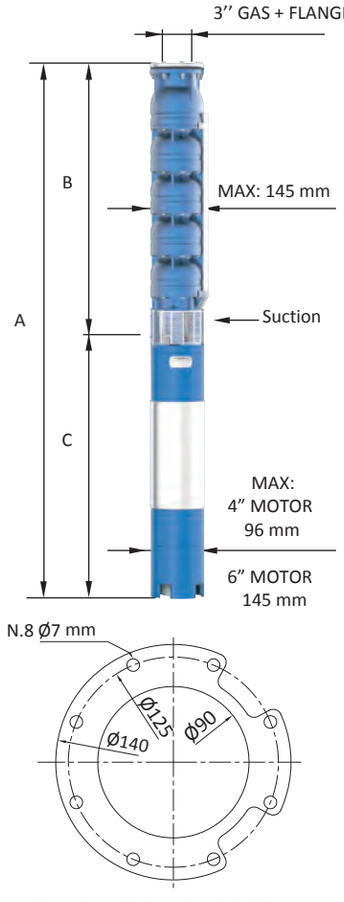
PERFORMANCE CURVES



NPSH (m)	25%	50%	75%	100%
140 REC 54	3,8	3,8	5,1	7,1

6" 140 REC 66 SEMIAXIALSUBMERSIBLE PUMP - IN CAST IRON

Motor	50 Hz - 2900 rpm				Q = Capacity					
Type	Power		V 400	l/min	0	600	800	1000	1200	1400
				l/sec	0	10	13,33	16,67	20	23,33
	kW	HP	A	m³/h	0	36	48	60	72	84
140 REC 66/03	5,50	7,5	12,5		42	31	28	25	21	14
140 REC 66/04	7,50	10	17,5		55	41	38	34	28	18
140 REC 66/05	9,20	12,5	21		69	51	47	42	35	23
140 REC 66/06	11	15	24,5		83	62	57	51	42	27
140 REC 66/07	13	17,5	28		97	72	66	59	49	32
140 REC 66/08	15	20	32		111	82	75	67	56	37
140 REC 66/09	18,50	25	40		125	93	85	76	63	41
140 REC 66/10	18,50	25	40		139	103	94	84	70	46
140 REC 66/11	22	30	47,5	H[m]	152	113	104	93	77	50
140 REC 66/12	26	35	55		166	123	113	101	84	55
140 REC 66/13	26	35	55		180	134	122	109	91	59
140 REC 66/14	30	40	62,5		194	144	132	118	98	64
140 REC 66/15	30	40	62,5		208	154	141	126	105	69
140 REC 66/16	30	40	62,5		222	164	151	135	112	73
140 REC 66/17	37	50	78		235	175	160	143	119	78
140 REC 66/18	37	50	78		249	185	170	152	126	82
140 REC 66/19	37	50	78		263	195	179	160	133	87



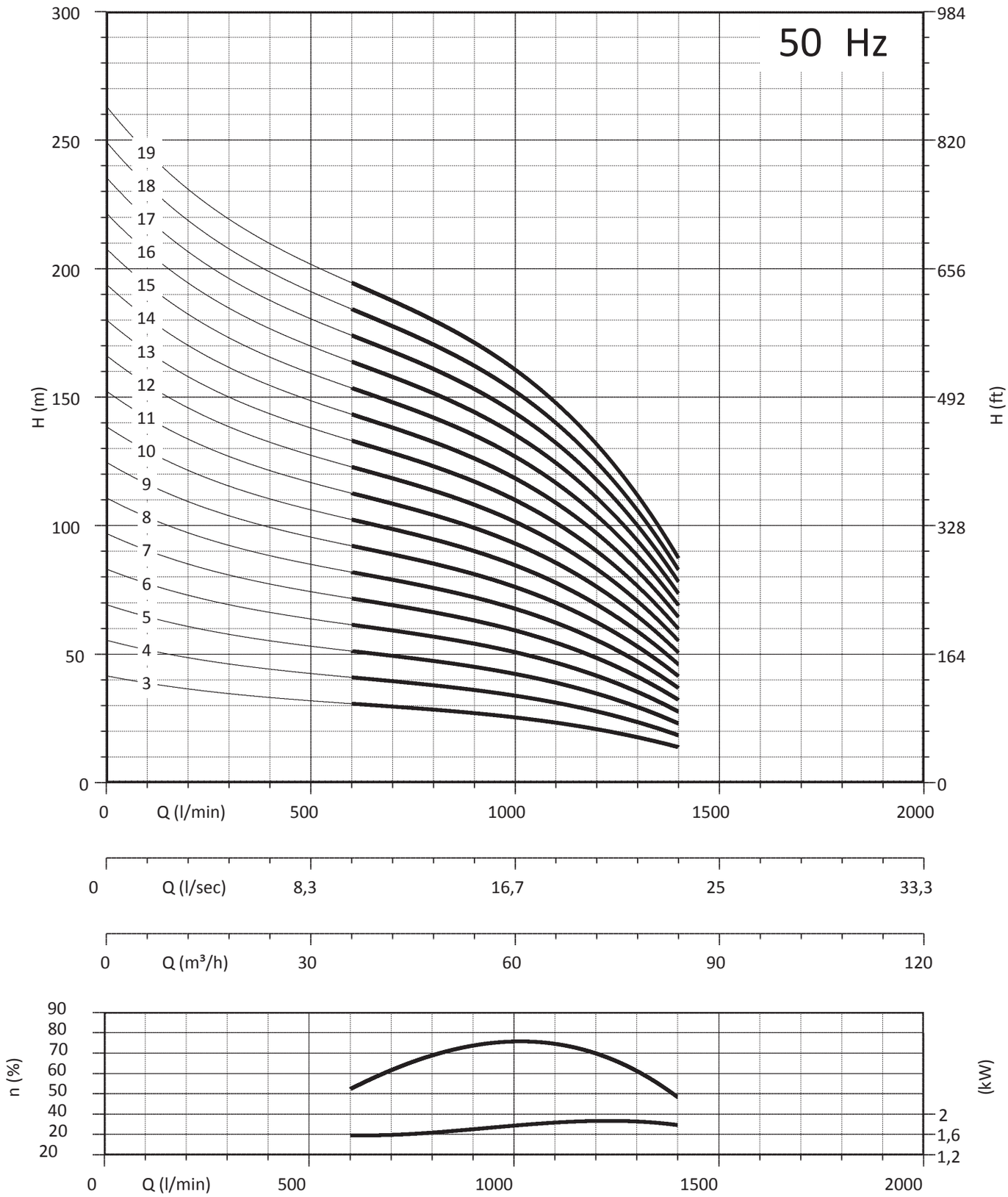
FOR COMMERCIAL TUBE EXTERNAL DIAMETER : 88,9 mm

Motor 50 Hz - 2900 rpm	Overall dimensions and weights				
Type	A mm Tri	B mm	C mm Tri	M kg Tri	P kg
140 REC 66/03	1252	554	698	27	21
140 REC 66/04	1362	661	701	55	25
140 REC 66/05	1519	768	751	60	30
140 REC 66/06	1686	875	811	65	34
140 REC 66/07	1823	982	841	70	39
140 REC 66/08	2020	1089	931	75	43
140 REC 66/09	2187	1196	991	83	48
140 REC 66/10	2294	1303	991	83	52
140 REC 66/11	2481	1410	1071	92	57
140 REC 66/12	2698	1517	1181	100	61
140 REC 66/13	2805	1624	1181	100	66
140 REC 66/14	2982	1731	1251	108	70
140 REC 66/15	3089	1838	1251	108	75
140 REC 66/16	3286	1945	1341	108	79
140 REC 66/17	3393	2052	1341	118	84
140 REC 66/18	3500	2159	1341	118	88
140 REC 66/19	3607	2266	1341	118	93

n% = Pump efficiency kW/ **Max 76%**
st = Stage absorption **Max 1,85**

Sand tolerance 50 g/m³ - MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

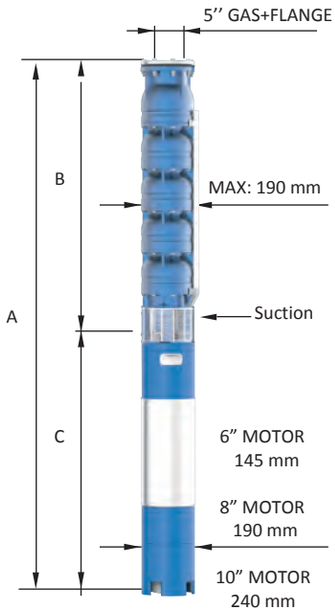
PERFORMANCE CURVES

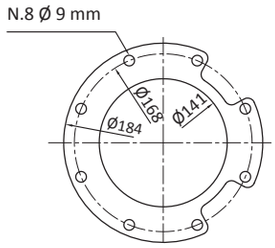


NPSH (m)	25%	50%	75%	100%
140 REC 66	3,8	3,8	5,1	7,1

8" 180 REC 78 SEMIAXIALSUBMERSIBLE PUMP - IN CAST IRON

Motor	50 Hz - 2900 rpm				Q = Capacity						
Type	Power		V 400	l/min	0	600	800	1000	1200	1400	1600
				l/sec	0	10	13,33	16,67	20	23,33	26,67
	kW	HP	A	m³/h	0	36	48	60	72	84	96
180 REC 78/1	5,50	7,5	12,5		27	23	22	21	19	16	13
180 REC 78/2 DR 10	7,50	10	17,5		46	39	37	36	32	27	22
180 REC 78/2 DR 5	9,20	12,5	21		49	42	40	38	34	29	23
180 REC 78/2	11	15	24,5		53	45	43	41	37	31	25
180 REC 78/3 DR 5	13	17,5	28		74	63	60	57	52	43	35
180 REC 78/3	15	20	32		80	68	65	62	56	47	38
180 REC 78/4 DR 5	18,50	25	40		98	84	80	76	69	58	46
180 REC 78/4	22	30	47,5		106	90	86	82	74	62	50
180 REC 78/5	26	35	55		133	113	108	103	93	78	63
180 REC 78/6	30	40	62,5	H[m]	159	135	129	123	111	93	75
180 REC 78/7	37	50	78		186	158	151	144	130	109	88
180 REC 78/8	44	60	92		212	180	172	164	148	124	100
180 REC 78/9	44	60	92		239	203	194	185	167	140	113
180 REC 78/10	55	75	113,5		265	225	215	205	185	155	125
180 REC 78/11	55	75	113,5		292	248	237	226	204	171	138
180 REC 78/12	66	90	134,5		318	270	258	246	222	186	150
180 REC 78/13	66	90	134,5		345	293	280	267	241	202	163
180 REC 78/14	75	100	149,5		371	315	301	287	259	217	175
180 REC 78/15	75	100	149,5		398	338	323	308	278	233	188





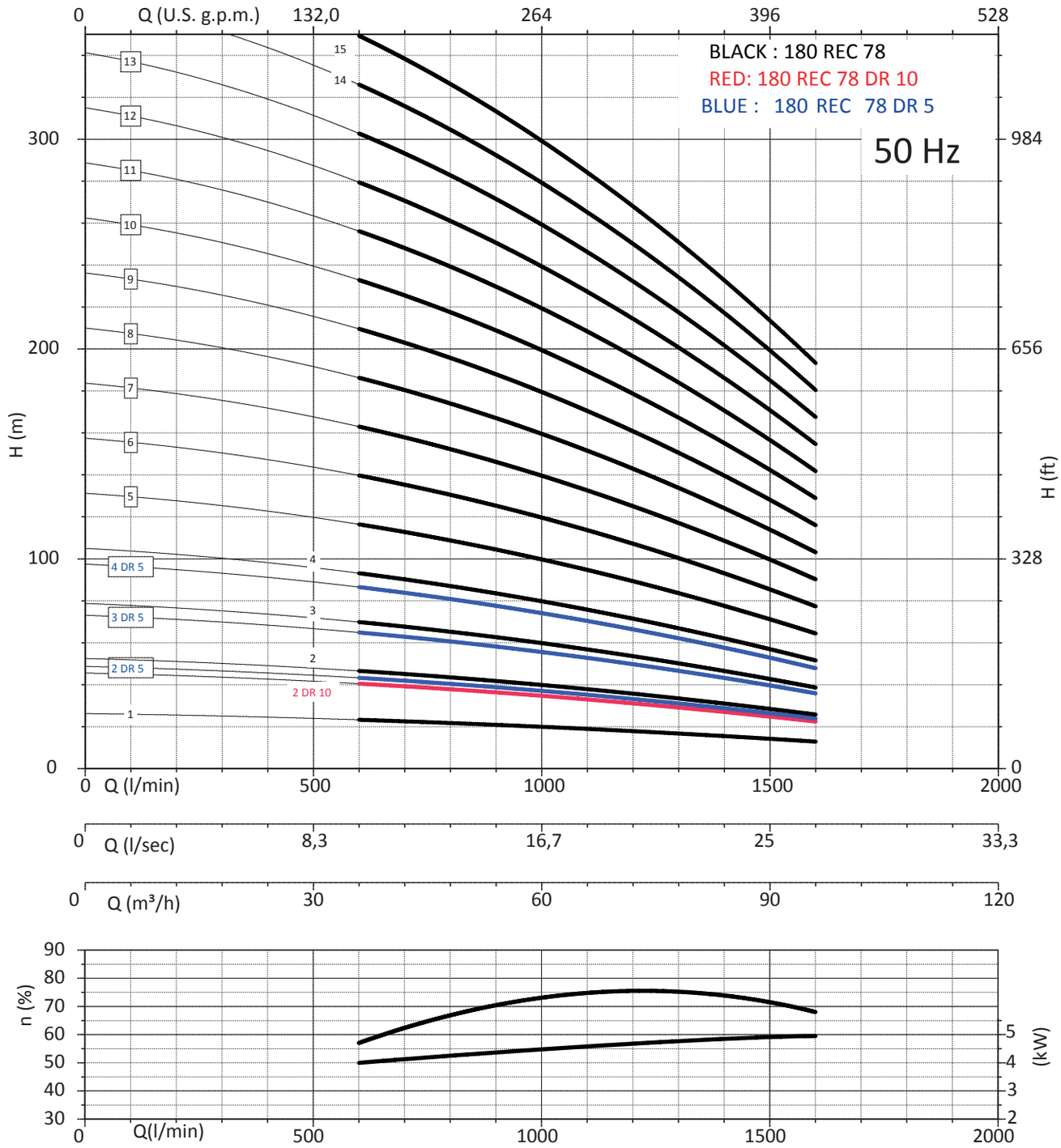
FOR COMMERCIAL TUBE EXTERNAL DIAMETER: 139,7 mm

Motor50 Hz - 2900 rpm	Overall dimensions and weights				
Type	A mm Tri	B mm	C mm Tri	M kg Tri	P kg
180 REC 78/1	1216	545	671	45	22
180 REC 78/2 DR 10	1371	670	701	55	27
180 REC 78/2 DR 5	1421	670	751	60	28
180 REC 78/2	1481	670	811	65	29
180 REC 78/3 DR 5	1636	795	841	70	37
180 REC 78/3	1726	795	931	75	37
180 REC 78/4 DR 5	1911	920	991	83	44
180 REC 78/4	1991	920	1071	92	44
180 REC 78/5	2226	1045	1181	100	52
180 REC 78/6	2421	1170	1251	108	59
180 REC 78/7	2636	1295	1341	118	67
180 REC 78/8	2730	1420	1310	200	74
180 REC 78/9	2855	1545	1310	200	82
180 REC 78/10	3130	1670	1460	216	89
180 REC 78/11	3255	1795	1460	216	97
180 REC 78/12	3530	1920	1610	260	104
180 REC 78/13	3655	2045	1610	260	112
180 REC 78/14	3880	2170	1710	286	119
180 REC 78/15	4005	2295	1710	286	127

n% = Pump efficiency kW/ **Max 75,5%**
st = Stage absorption **Max 5**

Sand tolerance 50 g/m³ - MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

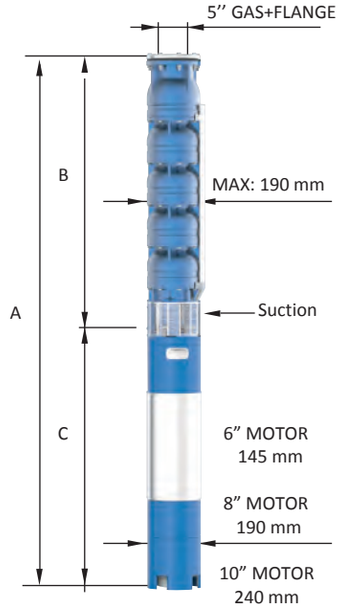
PERFORMANCE CURVES

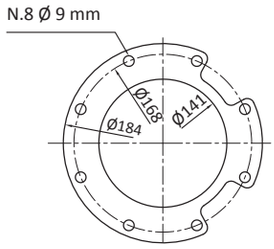


NPSH (m)	25%	50%	75%	100%
180 REC 78	3	3	3,5	4,5

8" 180 REC 90 SEMIAXIALSUBMERSIBLE PUMP - IN CAST IRON

Motor	50 Hz - 2900 rpm				Q = Capacity							
Type	Power		V 400	l/min	0	800	1000	1200	1400	1600	1800	2000
				l/sec	0	13,33	16,67	20	23,33	26,67	30	33,33
	kW	HP	A	m^3/h	0	48	60	72,0	84	96	108	120
180 REC 90/1	7,50	10	17,5		28	23	22	21	19	17	15	12
180 REC 90/2 DR 10	9,20	12,5	21		48	40	38	36	33	30	25	21
180 REC 90/2 DR 5	11	15	24,5		51	43	41	38	35	32	27	22
180 REC 90/2	13	17,5	28		55	46	44	41	38	34	29	24
180 REC 90/3 DR 10	15	20	32		72	60	57	53	50	44	38	31
180 REC 90/3	18,50	25	40		83	69	66	62	57	51	44	36
180 REC 90/4 DR 5	22	30	47,5		102	86	82	76	71	63	54	45
180 REC 90/4	26	35	55		110	92	88	82	76	68	58	48
180 REC 90/5	30	40	62,5		138	115	110	103	95	85	73	60
180 REC 90/6	37	50	78	H[m]	165	138	132	123	114	102	87	72
180 REC 90/7	44	60	92		193	161	154	144	133	119	102	84
180 REC 90/8	55	75	113,5		220	184	176	164	152	136	116	96
180 REC 90/9	55	75	113,5		248	207	198	185	171	153	131	108
180 REC 90/10	66	90	134,5		275	230	220	205	190	170	145	120
180 REC 90/11	66	90	134,5		303	253	242	226	209	187	160	132
180 REC 90/12	75	100	149,5		330	276	264	246	228	204	174	144
180 REC 90/13	75	100	149,5		358	299	286	267	247	221	189	156
180 REC 90/14	92	125	185		385	322	308	287	266	238	203	168
180 REC 90/15	92	125	185		413	345	330	308	285	255	218	180





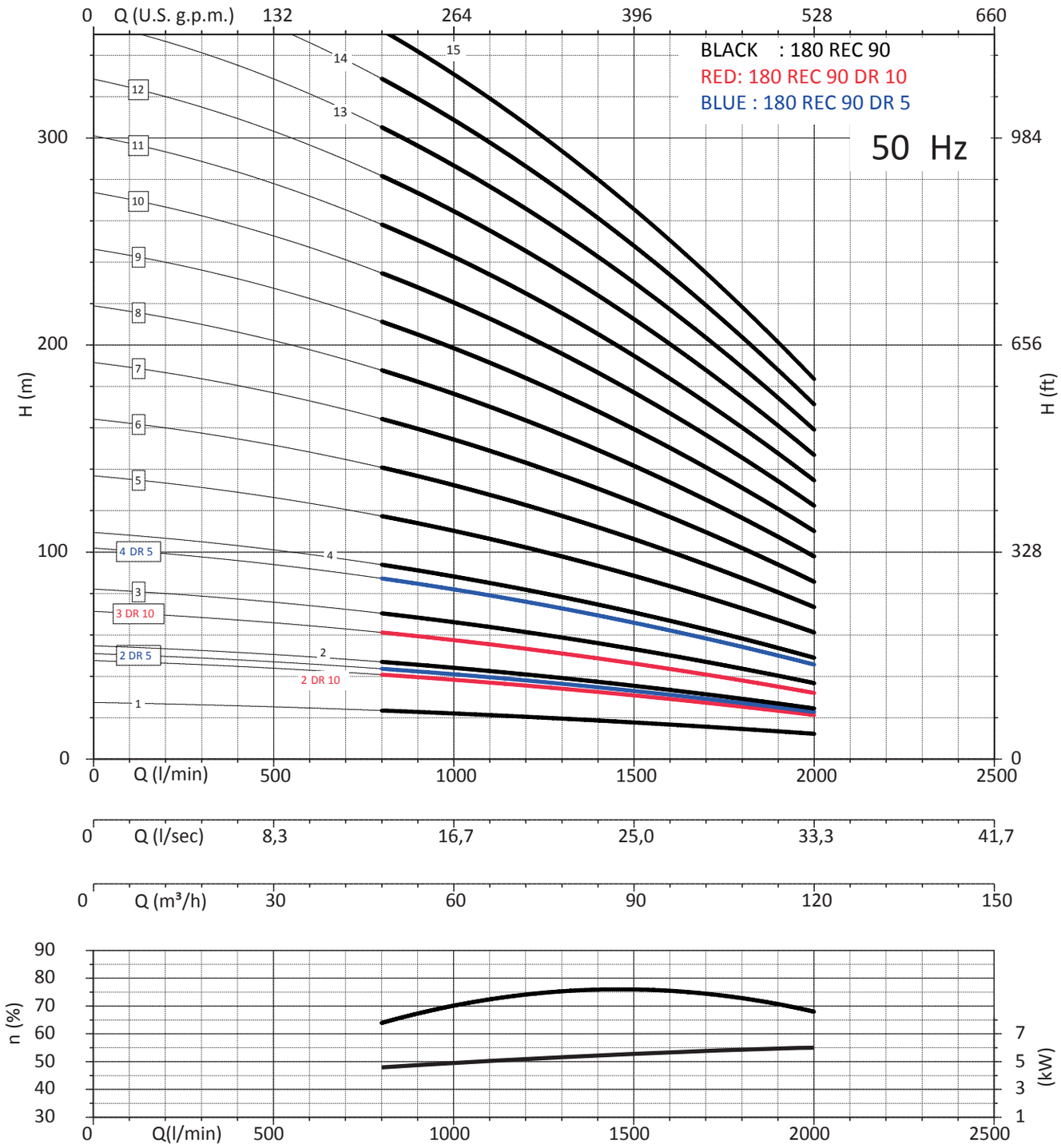
FOR COMMERCIAL TUBE EXTERNAL DIAMETER: 139,7 mm

Motor 50 Hz - 2900 rpm	Overall dimensions and weights				
Type	A mm Tri	B mm	C mm Tri	M kg Tri	P kg
180 REC 90/1	1246	545	701	55	22
180 REC 90/2 DR 10	1421	670	751	60	29
180 REC 90/2 DR 5	1481	670	811	65	37
180 REC 90/2	1511	670	841	70	29
180 REC 90/3 DR 10	1726	795	931	75	35
180 REC 90/3	1786	795	991	83	37
180 REC 90/4 DR 5	1991	920	1071	92	42
180 REC 90/4	2101	920	1181	100	44
180 REC 90/5	2296	1045	1251	108	52
180 REC 90/6	2511	1170	1341	118	59
180 REC 90/7	2605	1295	1310	200	67
180 REC 90/8	2880	1420	1460	216	74
180 REC 90/9	3005	1545	1460	216	82
180 REC 90/10	3280	1670	1610	260	89
180 REC 90/11	3405	1795	1610	260	97
180 REC 90/12	3630	1920	1710	286	104
180 REC 90/13	3755	2045	1710	286	112
180 REC 90/14	4030	2170	1860	310	119
180 REC 90/15	4155	2295	1860	310	127

n% = Pump efficiency kW/ **Max 76,5%**
st = Stage absorption **Max 5,90**

Sand tolerance 50 g/m³ - MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

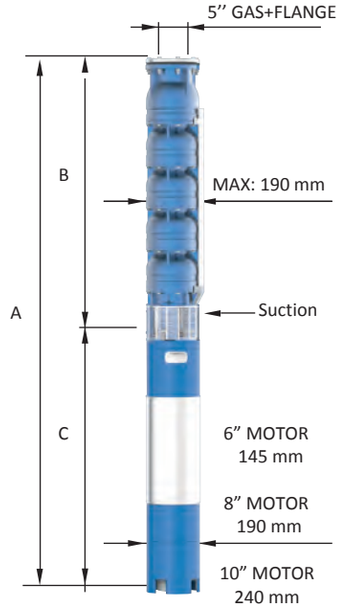
PERFORMANCE CURVES



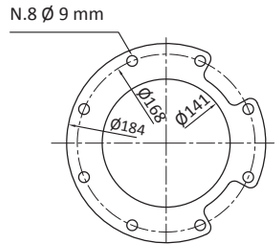
NPSH (m)	25%	50%	75%	100%
180 REC 78	3	4	5	8

8" 180 REC 102 SEMIAXIALSUBMERSIBLE PUMP - IN CAST IRON

Motor	50 Hz - 2900 rpm			Q = Capacity								
Type	Power		V 400	l/min	0	1000	1200	1400	1600	1800	2000	2200	2400
				l/sec	0	16,67	20	23,33	26,67	30	33,33	36,67	40
	kW	HP	A	m^3/h	0	60	72	84	96	108	120	132	144
180 REC 102 /1	7,50	10	17,5	H[m]	25	21	20	20	18	17	16	14	12
180 REC 102 /2 DR 10	11	15	24,5		43	36	34	34	31	29	27	23	21
180 REC 102 /2 DR 5	13	17,5	28		47	39	37	36	33	32	29	25	22
180 REC 102 /2	15	20	32		50	42	40	39	36	34	31	27	24
180 REC 102 /3 DR 5	18,50	25	40		70	59	56	54	50	47	43	38	34
180 REC 102 /3	22	30	47,5		75	63	60	59	54	51	47	41	36
180 REC 102 /4 DR 5	26	35	55		93	78	74	72	67	63	58	50	45
180 REC 102 /4	30	40	62,5		100	84	80	78	72	68	62	54	48
180 REC 102 /5	37	50	78		125	105	100	98	90	85	78	68	60
180 REC 102 /6	44	60	92		150	126	120	117	108	102	93	81	72
180 REC 102 /7	55	75	113,5		175	147	140	137	126	119	109	95	84
180 REC 102 /8	55	75	113,5		200	168	160	156	144	136	124	108	96
180 REC 102 /9	66	90	134,5		225	189	180	176	162	153	140	122	108
180 REC 102 /10	75	100	149,5		250	210	200	195	180	170	155	135	120
180 REC 102 /11	75	100	149,5		275	231	220	215	198	187	171	149	132
180 REC 102 /12	92	125	185		300	252	240	234	216	204	186	162	144
180 REC 102 /13	92	125	185		325	273	260	254	234	221	202	176	156



Motor 50 Hz - 2900 rpm	Overall dimensions and weights				
Type	A mm Tri	B mm	C mm Tri	M kg Tri	P kg
180 REC 102 /1	1226	525	701	55	22
180 REC 102 /2 DR 10	1461	650	811	65	27
180 REC 102 /2 DR 5	1491	650	841	70	28
180 REC 102 /2	1581	650	931	75	29
180 REC 102 /3 DR 5	1766	775	991	83	36
180 REC 102 /3	1846	775	1071	92	37
180 REC 102 /4 DR 5	2081	900	1181	100	43
180 REC 102 /4	2151	900	1251	108	44
180 REC 102 /5	2366	1025	1341	118	52
180 REC 102 /6	2460	1150	1310	200	59
180 REC 102 /7	2735	1275	1460	216	67
180 REC 102 /8	2860	1400	1460	216	74
180 REC 102 /9	3135	1525	1610	260	82
180 REC 102 /10	3360	1650	1710	286	89
180 REC 102 /11	3485	1775	1710	286	97
180 REC 102 /12	3760	1900	1860	310	104
180 REC 102 /13	3885	2025	1860	310	112

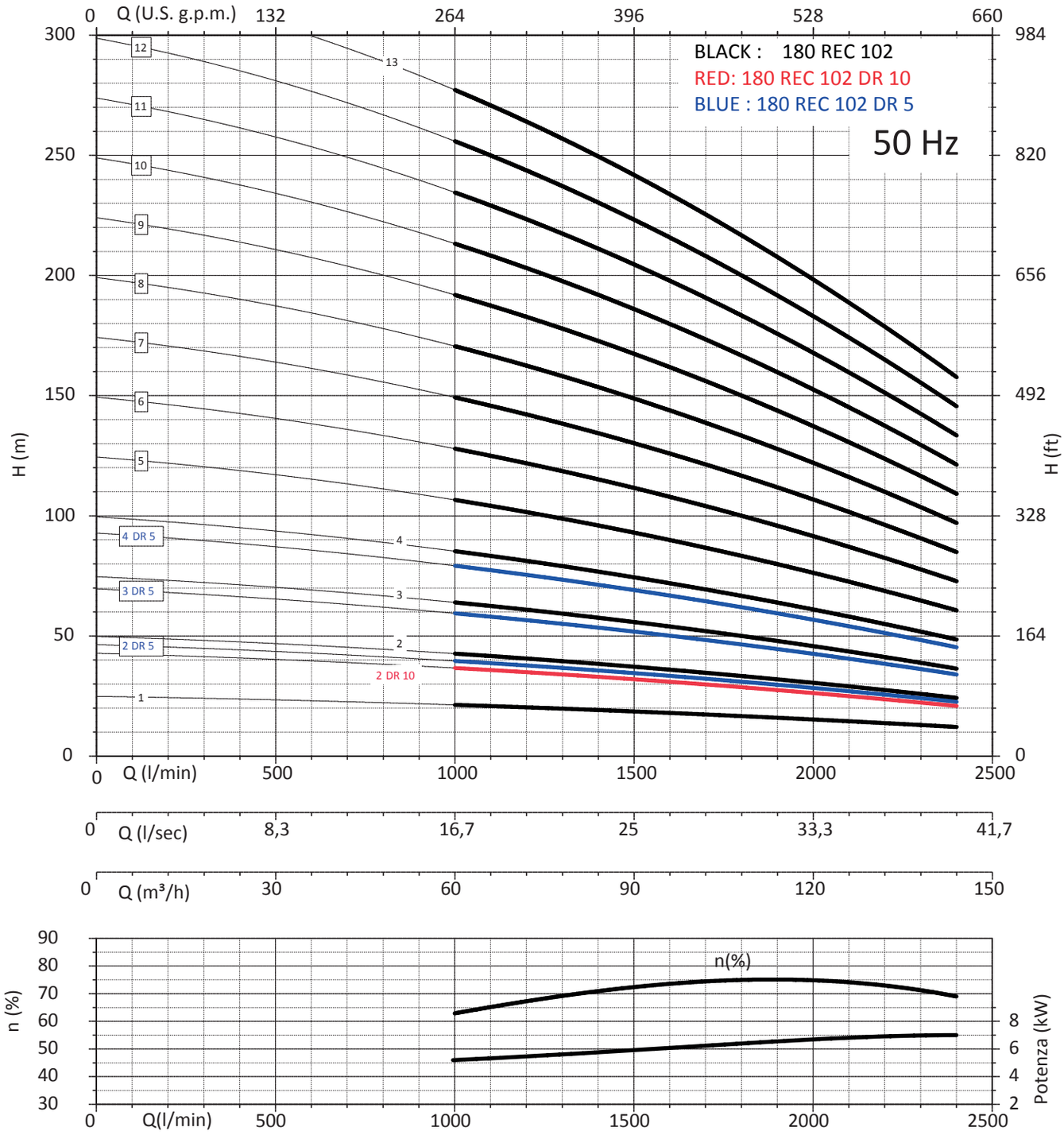


FOR COMMERCIAL TUBE EXTERNAL DIAMETER: 139,7 mm

n% = Pump efficiency **Max 75%**
kW/st = Stage absorption **Max 6,90**

Sand tolerance 50 g/m³ - MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

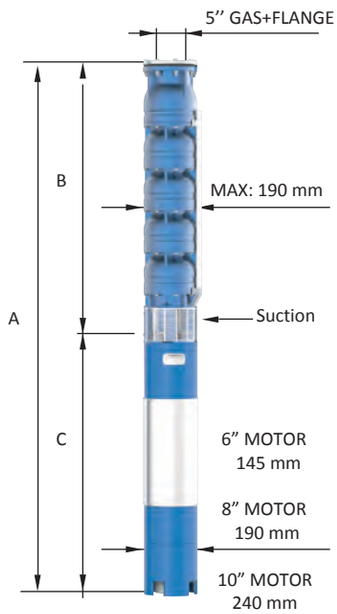
PERFORMANCE CURVES



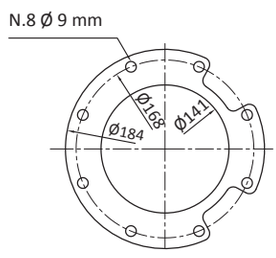
NPSH (m)	25%	50%	75%	100%
180 REC 102	2,5	3,5	4,5	8

8" 180 REC 124 SEMIAXIALSUBMERSIBLE PUMP - IN CAST IRON

Motor	50 Hz - 2900 rpm			Q = Capacity									
Type	Power		V 400	l/min	0	1200	1400	1600	1800	2000	2200	2400	2600	2800
				l/sec	0	20	23,33	26,67	30	33,33	36,67	40	43,33	46,67
	kW	HP	A	m^3/h	0	72	84	96	108	120	132	144	156	168
180 REC 124/1	9,20	12,5	21		25	20	19	18	18	17	16	15	14	13
180 REC 124/2 DR 10	13	17,5	28		44	35	33	31	31	30	28	26	24	22
180 REC 124/2 DR 5	15	20	32		46	37	35	33	33	32	30	28	26	23
180 REC 124/2	18,50	25	40		50	40	38	36	35	34	32	30	28	25
180 REC 124/3 DR 5	22	30	47,5		70	56	53	50	49	47	45	42	39	35
180 REC 124/3	26	35	55		75	60	57	54	53	51	48	45	42	38
180 REC 124/4 DR 5	30	40	62,5	H[m]	93	75	71	67	65	63	60	56	52	46
180 REC 124/4	37	50	78		100	80	76	72	70	68	64	60	56	50
180 REC 124/5	44	60	92		125	100	95	90	88	85	80	75	70	63
180 REC 124/6	55	75	113,5		150	120	114	108	105	102	96	90	84	75
180 REC 124/7	55	75	113,5		175	140	133	126	123	119	112	105	98	88
180 REC 124/8	66	90	134,5		200	160	152	144	140	136	128	120	112	100
180 REC 124/9	75	100	149,5		225	180	171	162	158	153	144	135	126	113
180 REC 124/10	92	125	185		250	200	190	180	175	170	160	150	140	125
180 REC 124/11	92	125	185		275	220	209	198	193	187	176	165	154	138



Motor 50 Hz - 2900 rpm	Overall dimensions and weights				
Type	A mm Tri	B mm	C mm Tri	M kg Tri	P kg
180 REC 124/1	1296	545	751	60	22
180 REC 124/2 DR 10	1511	670	841	70	25
180 REC 124/2 DR 5	1601	670	931	75	26
180 REC 124/2	1661	670	991	83	29
180 REC 124/3 DR 5	1866	795	1071	92	36
180 REC 124/3	1976	795	1181	100	37
180 REC 124/4 DR 5	2171	920	1251	108	43
180 REC 124/4	2261	920	1341	118	44
180 REC 124/5	2355	1045	1310	200	52
180 REC 124/6	2630	1170	1460	216	59
180 REC 124/7	2755	1295	1460	216	67
180 REC 124/8	3030	1420	1610	260	74
180 REC 124/9	3255	1545	1710	286	82
180 REC 124/10	3530	1670	1860	310	89
180 REC 124/11	3655	1795	1860	310	97

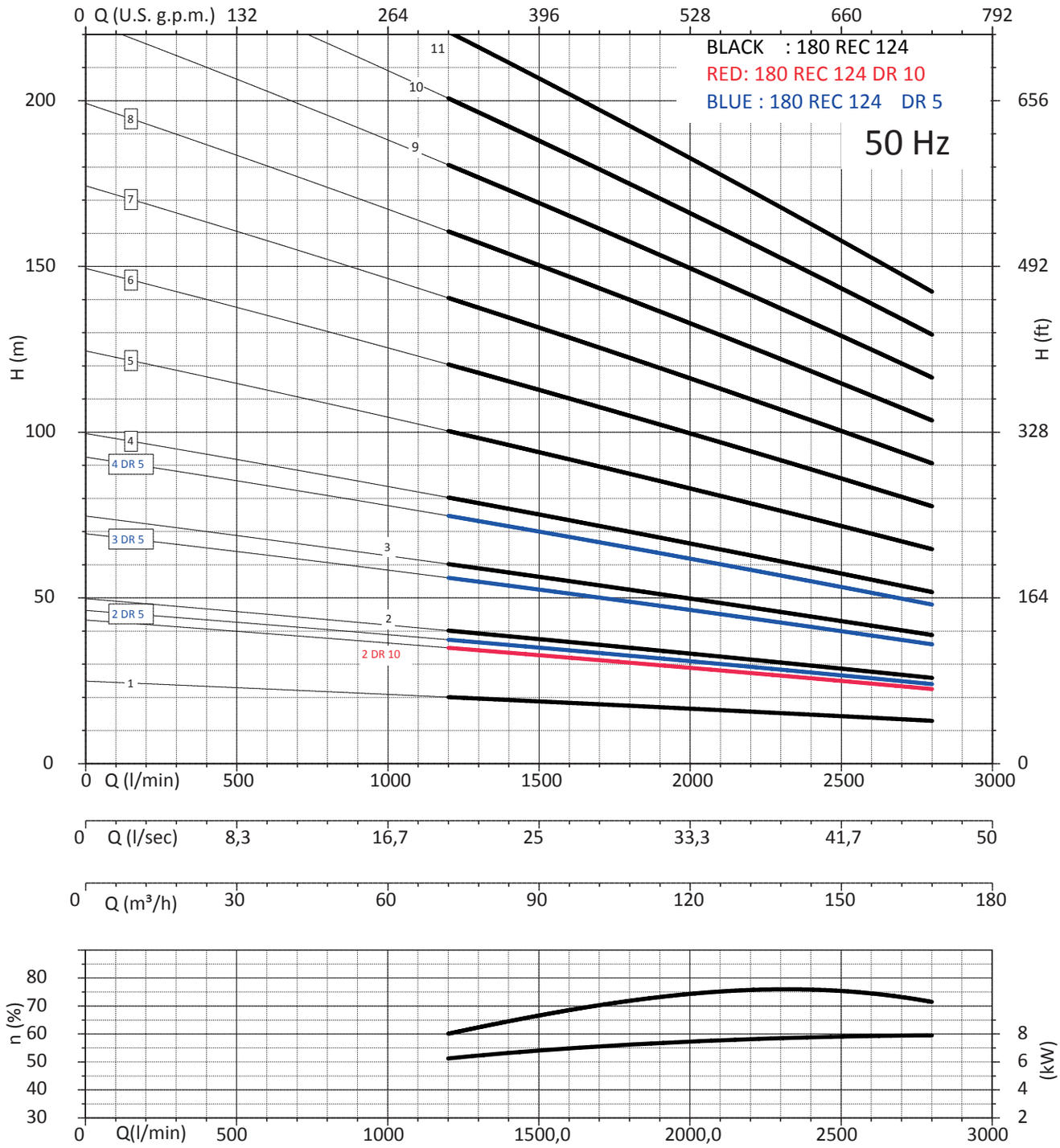


FOR COMMERCIAL TUBE EXTERNAL DIAMETER: 139,7 mm

n% = Pump efficiency **Max 76%**
kW/st = Stage absorption **Max 8**

Sand tolerance 50 g/m³ - MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

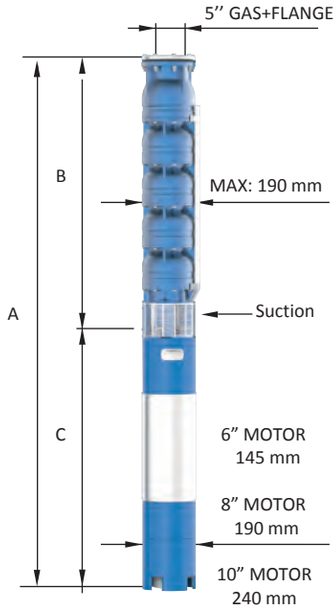
PERFORMANCE CURVES



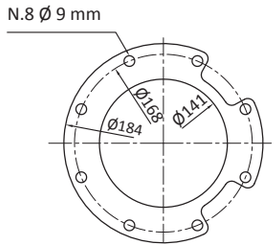
NPSH (m)	25%	50%	75%	100%
180 REC 124	2,5	3	5	9

8" 180 REC 160 SEMIAXIALSUBMERSIBLE PUMP - IN CAST IRON

Motor	50 Hz - 2900 rpm				Q = Capacity									
Type	Power		V 400	l/min	0	1600	1800	2000	2200	2400	2600	2800	3000	3200
				l/sec	0	26,67	30	33,33	36,67	40	43,33	46,67	50	53,33
	kW	HP	A	m³/h	0	96	108	120	132	144	156	168	180	192
180 REC 160/1	9,20	12,5	21	H[m]	25	19	18	18	17	16	15	14	13	11
180 REC 160/2 DR 10	13	17,5	28		44	33	31	31	29	28	26	24	22	19
180 REC 160/2 DR 5	15	20	32		47	35	33	32	31	30	28	26	23	20
180 REC 160/2	18,50	25	40		50	37	36	35	34	33	30	28	25	22
180 REC 160/3 DR 5	22	30	47,5		70	52	50	49	47	46	42	39	35	30
180 REC 160/3	26	35	55		75	56	54	53	51	49	45	42	38	32
180 REC 160/4 DR 5	30	40	62,5		93	70	67	65	63	61	56	52	46	40
180 REC 160/4	37	50	78		100	75	72	70	68	65	60	56	50	43
180 REC 160/5	44	60	92		125	94	90	88	85	82	76	70	63	54
180 REC 160/6	55	75	113,5		150	112	108	105	101	98	91	84	75	65
180 REC 160/7	66	90	134,5		175	131	126	123	118	114	106	98	88	76
180 REC 160/8	66	90	134,5		200	150	144	140	135	130	121	112	100	86
180 REC 160/9	75	100	149,5		225	168	162	158	152	147	136	126	113	97
180 REC 160/10	92	125	185		250	187	180	175	169	163	151	140	125	108
180 REC 160/11	92	125	185		275	206	198	193	186	179	166	154	138	119
180 REC 160/12	110	150	219		300	224	216	210	203	196	181	168	150	130
180 REC 160/13	110	150	219		325	243	234	228	220	212	196	182	163	140



Motor 50 Hz - 2900 rpm	Overall dimensions and weights				
Type	A mm Tri	B mm	C mm Tri	M kg Tri	P kg
180 REC 160/1	1321	570	751	60	22
180 REC 160/2 DR 10	1561	720	841	70	29
180 REC 160/2 DR 5	1651	720	931	75	30
180 REC 160/2	1711	720	991	83	31
180 REC 160/3 DR 5	1941	870	1071	92	38
180 REC 160/3	2051	870	1181	100	39
180 REC 160/4 DR 5	2271	1020	1251	108	46
180 REC 160/4	2361	1020	1341	118	47
180 REC 160/5	2480	1170	1310	200	56
180 REC 160/6	2780	1320	1460	216	64
180 REC 160/7	3080	1470	1610	260	72
180 REC 160/8	3230	1620	1610	260	80
180 REC 160/9	3480	1770	1710	286	89
180 REC 160/10	3780	1920	1860	310	97
180 REC 160/11	3930	2070	1860	310	105
180 REC 160/12	3980	2220	1760	415	114
180 REC 160/13	4130	2370	1760	415	122

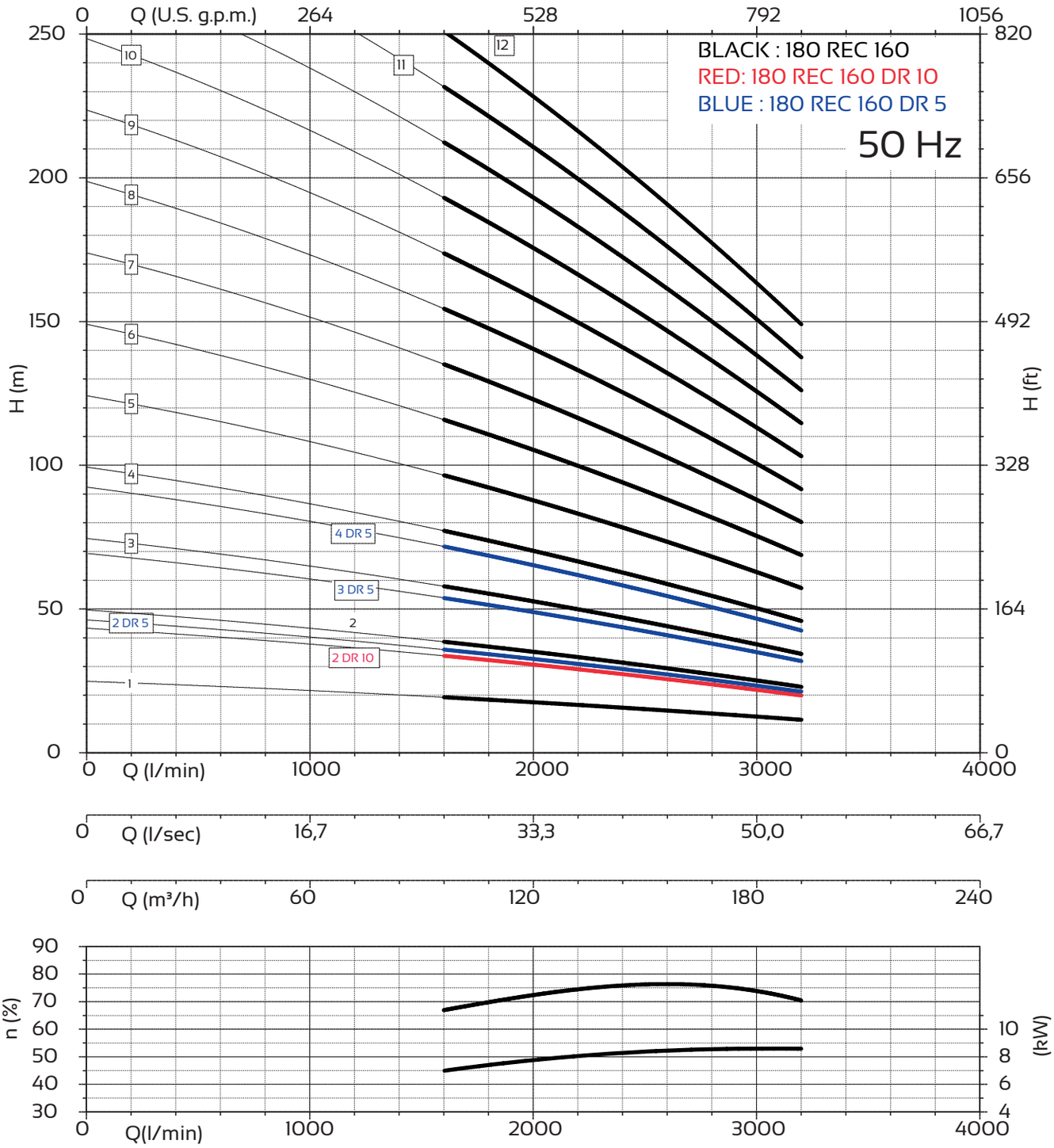


FOR COMMERCIAL TUBE EXTERNAL DIAMETER: 139,7 mm

n% = Pump efficiency **Max 78%**
kW/st = Stage absorption **Max 8,25**

Sand tolerance 50 g/m³ - MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

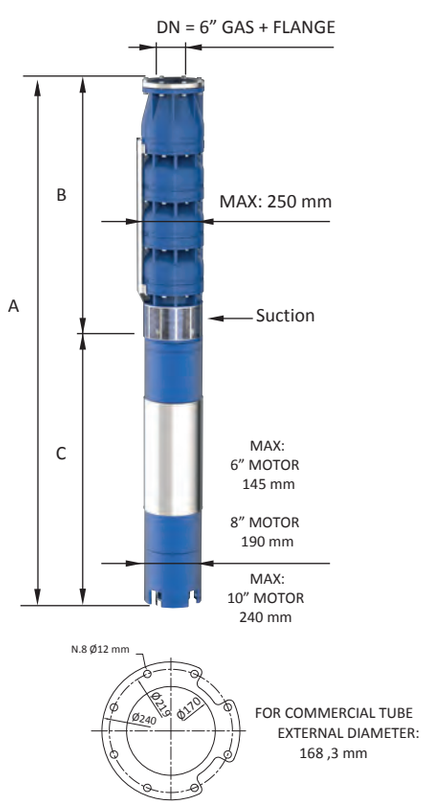
PERFORMANCE CURVES



NPSH (m)	25%	50%	75%	100%
180 REC 160	4	4,5	7	13

10" 230 REC 200 SEMIAXIALSUBMERSIBLE PUMP - IN CAST IRON

Motor	50 Hz - 2900 rpm				Q = Capacity						
Type	Power		V 400	l/min	0	1800	2200	2600	3000	3400	3800
				l/sec	0	30	36,67	43,33	50,00	56,67	63,33
	kW	HP	A	m^3/h	0	108	132	156	180	204	228
230 REC 200/1 DR 20	13	17,5	28		32	29	28	25	24	20	16
230 REC 200/1 DR 10	15	20	32		37	33	31	29	27	22	18
230 REC 200/1	18,50	25	40		42	37	35	32	30	25	20
230 REC 200/2 DR 20	26	35	55		65	58	55	51	47	40	32
230 REC 200/2 DR 10	30	40	62,5		73	66	62	57	53	45	36
230 REC 200/2	37	50	78		83	74	70	64	60	50	40
230 REC 200/3 DR 20	44	60	92		97	88	83	76	71	59	47
230 REC 200/3 DR 10	44	60	92		110	99	93	86	80	67	53
230 REC 200/3	55	75	113,5		125	111	105	96	90	75	60
230 REC 200/4 DR 20	55	75	113,5	H[m]	130	117	111	101	95	79	63
230 REC 200/4 DR 10	66	90	134,5		146	132	125	114	107	89	71
230 REC 200/4	75	100	149,5		166	148	140	128	120	100	80
230 REC 200/5 DR 20	66	90	134,5		162	146	138	126	119	99	79
230 REC 200/5 DR 10	75	100	149,5		183	165	156	143	134	112	89
230 REC 200/5	92	125	185		208	185	175	160	150	125	100
230 REC 200/6 DR 20	75	100	149,5		194	175	166	152	142	119	95
230 REC 200/6 DR 10	92	125	185		219	198	187	171	160	134	107
230 REC 200/6	110	150	219		250	222	210	192	180	150	120
230 REC 200/7 DR 20	92	125	185		227	204	194	177	166	139	111
230 REC 200/7 DR 10	110	150	219		256	231	218	200	187	156	125
230 REC 200/7	129	175	254,5		291	259	245	224	210	175	140
230 REC 200/8 DR 20	110	150	219		259	234	221	202	190	158	126
230 REC 200/8 DR 10	129	175	254,5		292	263	249	228	214	178	142
230 REC 200/8	147	200	290		333	296	280	256	240	200	160

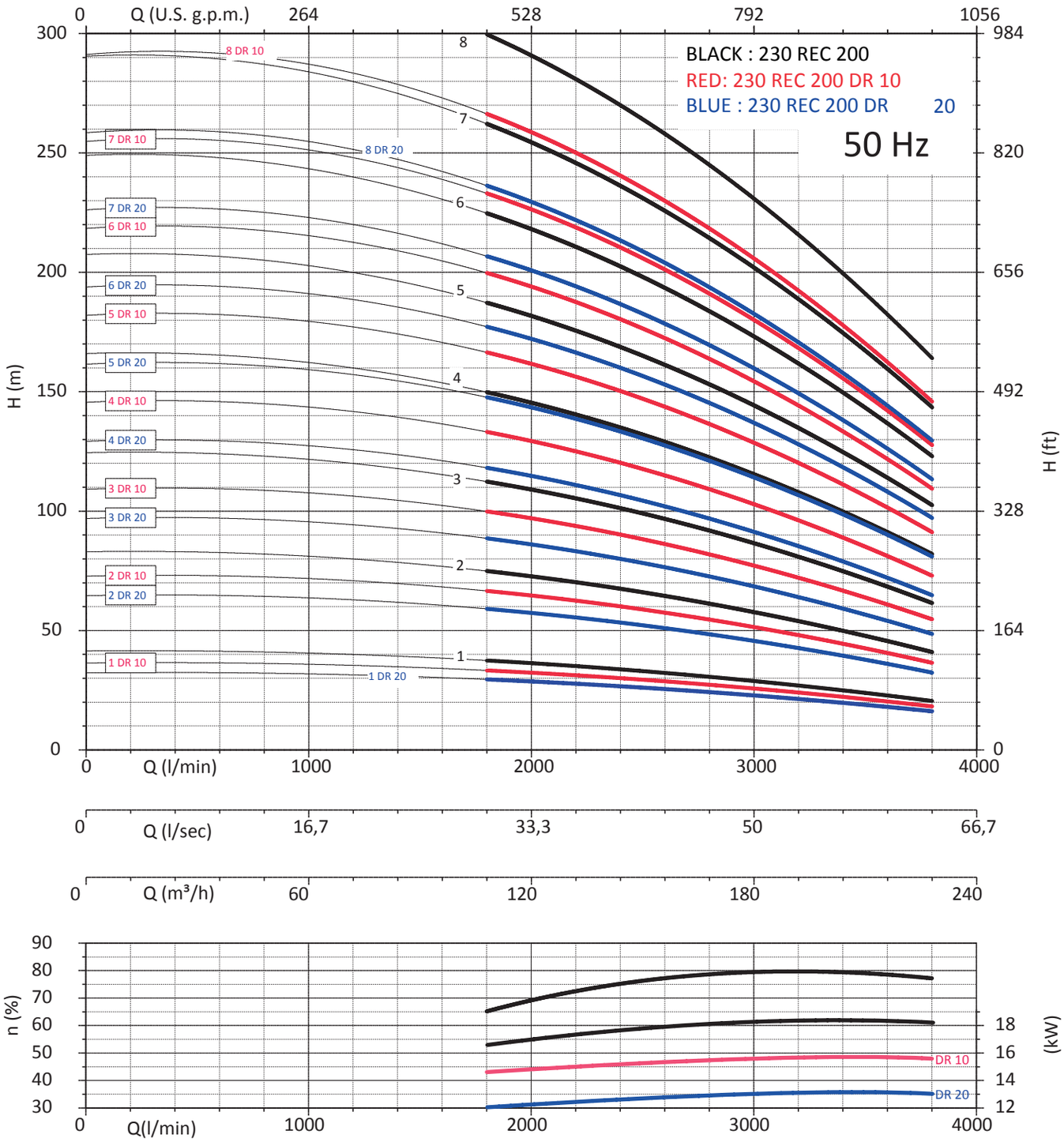


Motor 50 Hz - 2900 rpm	Overall dimensions and weights				
Type	A mm Tri	B mm	C mm Tri	M kg Tri	P kg
230 REC 200/1 DR 20	1481	640	841	70	46
230 REC 200/1 DR 10	1571	640	931	75	46
230 REC 200/1	1631	640	991	83	46
230 REC 200/2 DR 20	2001	820	1181	100	63
230 REC 200/2 DR 10	2071	820	1251	108	63
230 REC 200/2	2161	820	1341	118	63
230 REC 200/3 DR 20	2310	1000	1310	200	80
230 REC 200/3 DR 10	2310	1000	1310	200	80
230 REC 200/3	2460	1000	1460	216	80
230 REC 200/4 DR 20	2640	1180	1460	216	97
230 REC 200/4 DR 10	2790	1180	1610	260	97
230 REC 200/4	2890	1180	1710	286	97
230 REC 200/5 DR 20	2970	1360	1610	260	114
230 REC 200/5 DR 10	3070	1360	1710	286	114
230 REC 200/5	3220	1360	1860	310	114
230 REC 200/6 DR 20	3250	1540	1710	286	131
230 REC 200/6 DR 10	3400	1540	1860	310	131
230 REC 200/6	3300	1540	1760	415	131
230 REC 200/7 DR 20	3580	1720	1860	310	148
230 REC 200/7 DR 10	3480	1720	1760	415	148
230 REC 200/7	3630	1720	1910	450	148
230 REC 200/8 DR 20	3660	1900	1760	415	165
230 REC 200/8 DR 10	3810	1900	1910	450	165
230 REC 200/8	3900	1900	2000	480	165

		DR 10	DR 20
n% = Pump efficiency	**Max 80%**	**80%**	**80%**
kW/st = Stage absorption	**Max 18,50**	**15,5**	**13,1**

Sand tolerance 50 g/m³ - MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

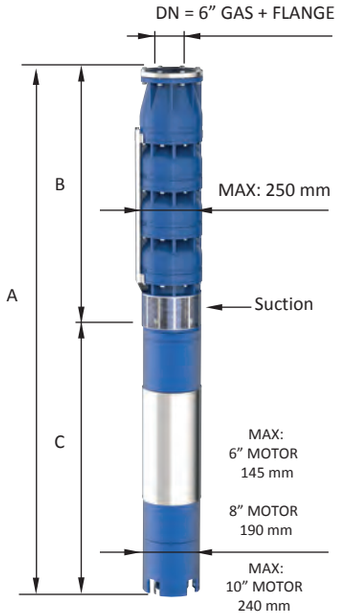
PERFORMANCE CURVES

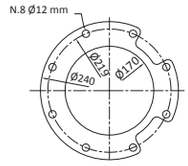


NPSH (m)	25%	50%	75%	100%
230 REC 200	3,6	5,3	8,1	14

10" 230 REC 220 SEMIAXIALSUBMERSIBLE PUMP - IN CAST IRON

Motor	50 Hz - 2900 rpm				Q = Capacity							
Type	Power		V 400	l/min	0	2200	2600	3000	3400	3800	4200	4400
				l/sec	0	36,67	43,33	50	56,67	63,33	70	73,33
	kW	HP	A	m³/h	0	132	156	180	204	228	252	264,0
230 REC 220/1 DR 20	15	20	32		34	29	28	26	24	22	19	17
230 REC 220/1 DR 10	18,50	25	40		38	33	31	29	27	25	21	17
230 REC 220/1	22	30	47,5		43	37	35	33	30	28	24	22
230 REC 220/2 DR 20	30	40	62,5		68	58	55	52	47	44	38	35
230 REC 220/2 DR 10	37	50	78		77	66	62	59	53	50	43	33
230 REC 220/2	44	60	92		86	74	70	66	60	56	48	44
230 REC 220/3 DR 20	44	60	92		102	88	83	78	71	66	57	52
230 REC 220/3 DR 10	55	75	113,5		115	99	93	88	80	75	64	50
230 REC 220/3	66	90	134,5		129	111	105	99	90	84	72	66
230 REC 220/4 DR 20	66	90	134,5	H[m]	136	117	111	104	95	88	76	70
230 REC 220/4 DR 10	75	100	149,5		153	132	125	117	107	100	85	66
230 REC 220/4	92	125	185		172	148	140	132	120	112	96	88
230 REC 220/5 DR 20	75	100	149,5		170	146	138	130	119	111	95	87
230 REC 220/5 DR 10	92	125	185		192	165	156	147	134	125	107	83
230 REC 220/5	110	150	219		215	185	175	165	150	140	120	110
230 REC 220/6 DR 20	92	125	185		204	175	166	156	142	133	114	104
230 REC 220/6 DR 10	110	150	219		230	198	187	176	160	149	128	100
230 REC 220/6	129	175	254,5		258	222	210	198	180	168	144	132
230 REC 220/7 DR 20	110	150	219		238	205	194	182	166	155	133	122
230 REC 220/7 DR 10	129	175	254,5		268	231	218	206	187	174	149	116
230 REC 220/7	147	200	290		301	259	245	231	210	196	168	154



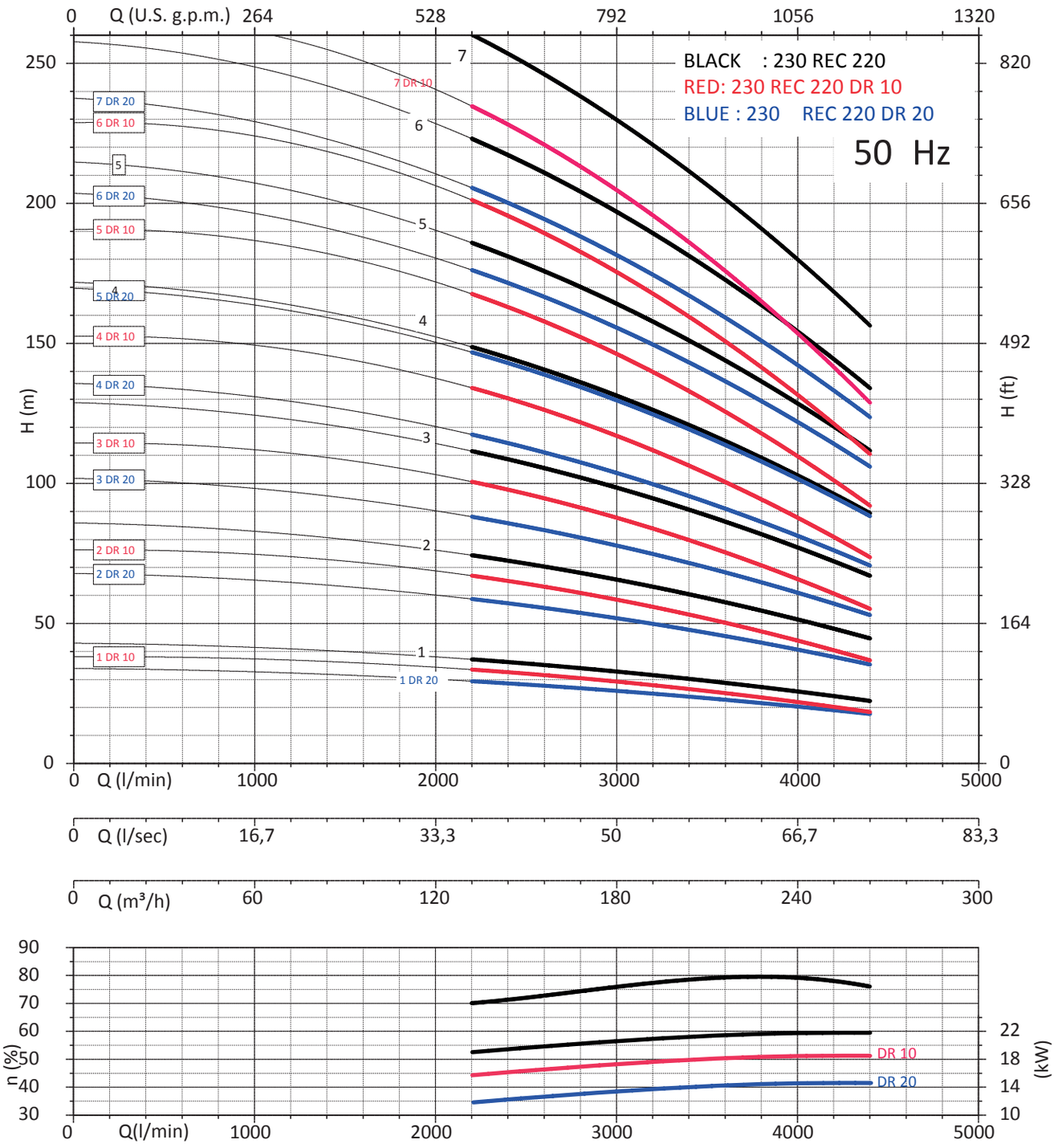


Motor 50 Hz - 2900 rpm	Overall dimensions and weights				
Type	A mm Tri	B mm	C mm Tri	M kg Tri	P kg
230 REC 220/1 DR 20	1571	640	931	75	46
230 REC 220/1 DR 10	1631	640	991	83	46
230 REC 220/1	1711	640	1071	92	46
230 REC 220/2 DR 20	2071	820	1251	108	63
230 REC 220/2 DR 10	2161	820	1341	118	63
230 REC 220/2	2130	820	1310	200	63
230 REC 220/3 DR 20	2310	1000	1310	200	80
230 REC 220/3 DR 10	2460	1000	1460	216	80
230 REC 220/3	2610	1000	1610	260	80
230 REC 220/4 DR 20	2790	1180	1610	260	97
230 REC 220/4 DR 10	2890	1180	1710	286	97
230 REC 220/4	3040	1180	1860	310	97
230 REC 220/5 DR 20	3070	1360	1710	286	114
230 REC 220/5 DR 10	3220	1360	1860	310	114
230 REC 220/5	3120	1360	1760	415	114
230 REC 220/6 DR 20	3170	1540	1630	374	131
230 REC 220/6 DR 10	3300	1540	1760	415	131
230 REC 220/6	3450	1540	1910	450	131
230 REC 220/7 DR 20	3480	1720	1760	415	148
230 REC 220/7 DR 10	3630	1720	1910	450	148
230 REC 220/7	3720	1720	2000	480	148

		DR 10	DR 20
n% = Pump efficiency	**Max 80%**	**80%**	**80%**
kW/st = Stage absorption	**Max 22**	**18,3**	**15,6**

Sand tolerance 50 g/m³ - MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

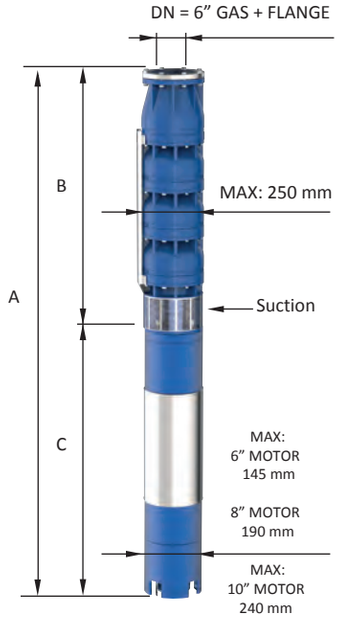
PERFORMANCE CURVES

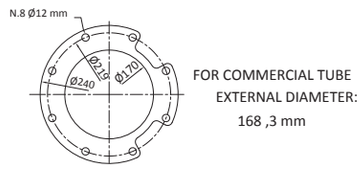


NPSH (m)	25%	50%	75%	100%
230 REC 220	3,7	5,4	8,3	14,2

10" 230 REC 240 SEMIAXIALSUBMERSIBLE PUMP - IN CAST IRON

Motor	50 Hz - 2900 rpm				Q = Capacity								
Type	Power		V 400	l/min	0	2400	2800	3200	3600	4000	4400	4800	5000
				l/sec	0	40	46,67	53,33	60	66,67	73,33	80	83,33
	kW	HP	A	m3/h	0	144	168	192	216	240	264	288	300
230 REC 240/1 DR 20	18,50	25	40		34	28	27	26	25	22	21	18	17
230 REC 240/1 DR 10	22	30	47,5		38	32	30	29	28	25	23	20	20
230 REC 240/1	26	35	55		43	36	34	33	31	28	26	23	22
230 REC 240/2 DR 20	37	50	78		68	57	54	52	49	44	41	36	35
230 REC 240/2 DR 10	44	60	92		77	64	61	59	55	50	46	41	39
230 REC 240/2	55	75	113,5		86	72	68	66	62	56	52	46	44
230 REC 240/3 DR 20	55	75	113,5		102	85	81	78	74	67	62	55	52
230 REC 240/3 DR 10	66	90	134,5		115	96	91	88	83	75	70	61	59
230 REC 240/3	75	100	149,5		129	108	102	99	93	84	78	69	66
230 REC 240/4 DR 20	75	100	149,5	H[m]	136	114	108	104	98	89	82	73	69
230 REC 240/4 DR 10	92	125	185		153	128	121	117	110	100	93	82	78
230 REC 240/4	110	150	219		172	144	136	132	124	112	104	92	88
230 REC 240/5 DR 20	92	125	185		170	142	135	131	123	111	103	91	87
230 REC 240/5 DR 10	110	150	219		192	160	152	147	138	125	116	102	98
230 REC 240/5	129	175	254,5		215	180	170	165	155	140	130	115	110
230 REC 240/6 DR 20	110	150	219		204	171	161	157	147	133	123	109	104
230 REC 240/6 DR 10	129	175	254,5		230	192	182	176	166	149	139	123	118
230 REC 240/6	147	200	290		258	216	204	198	186	168	156	138	132
230 REC 240/7 DR 20	129	175	254,5		238	199	188	183	172	155	144	127	121
230 REC 240/7 DR 10	147	200	290		268	224	212	206	193	174	162	143	137



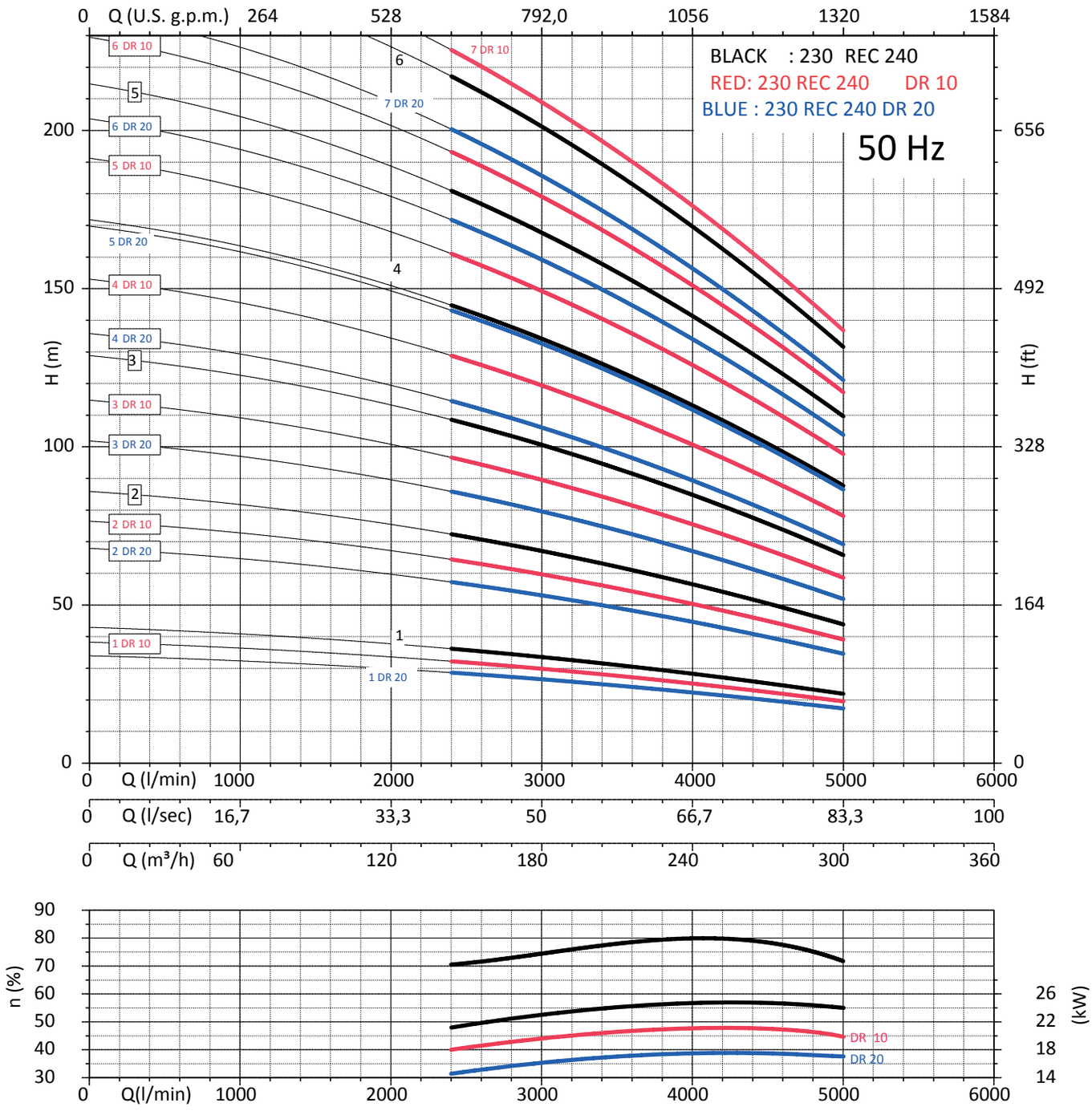


Motor 50 Hz - 2900 rpm	Overall dimensions and weights				
Type	A mm Tri	B mm	C mm Tri	M kg Tri	P kg
230 REC 240/1 DR 20	1631	640	991	83	46
230 REC 240/1 DR 10	1711	640	1071	92	46
230 REC 240/1	1821	640	1181	100	46
230 REC 240/2 DR 20	2161	820	1341	118	63
230 REC 240/2 DR 10	2130	820	1310	200	63
230 REC 240/2	2280	820	1460	216	63
230 REC 240/3 DR 20	2460	1000	1460	216	80
230 REC 240/3 DR 10	2610	1000	1610	260	80
230 REC 240/3	2710	1000	1710	286	80
230 REC 240/4 DR 20	2890	1180	1710	286	97
230 REC 240/4 DR 10	3040	1180	1860	310	97
230 REC 240/4	2940	1180	1760	415	97
230 REC 240/5 DR 20	3220	1360	1860	310	114
230 REC 240/5 DR 10	3120	1360	1760	415	114
230 REC 240/5	3270	1360	1910	450	114
230 REC 240/6 DR 20	3300	1540	1760	415	131
230 REC 240/6 DR 10	3450	1540	1910	450	131
230 REC 240/6	3540	1540	2000	480	131
230 REC 240/7 DR 20	3630	1720	1910	450	148
230 REC 240/7 DR 10	3720	1720	2000	480	148

		DR 10	DR 20
n% = Pump efficiency	**Max 80%**	**80%**	**80%**
kW/st = Stage absorption	**Max 24,5**	**20,3**	**17,4**

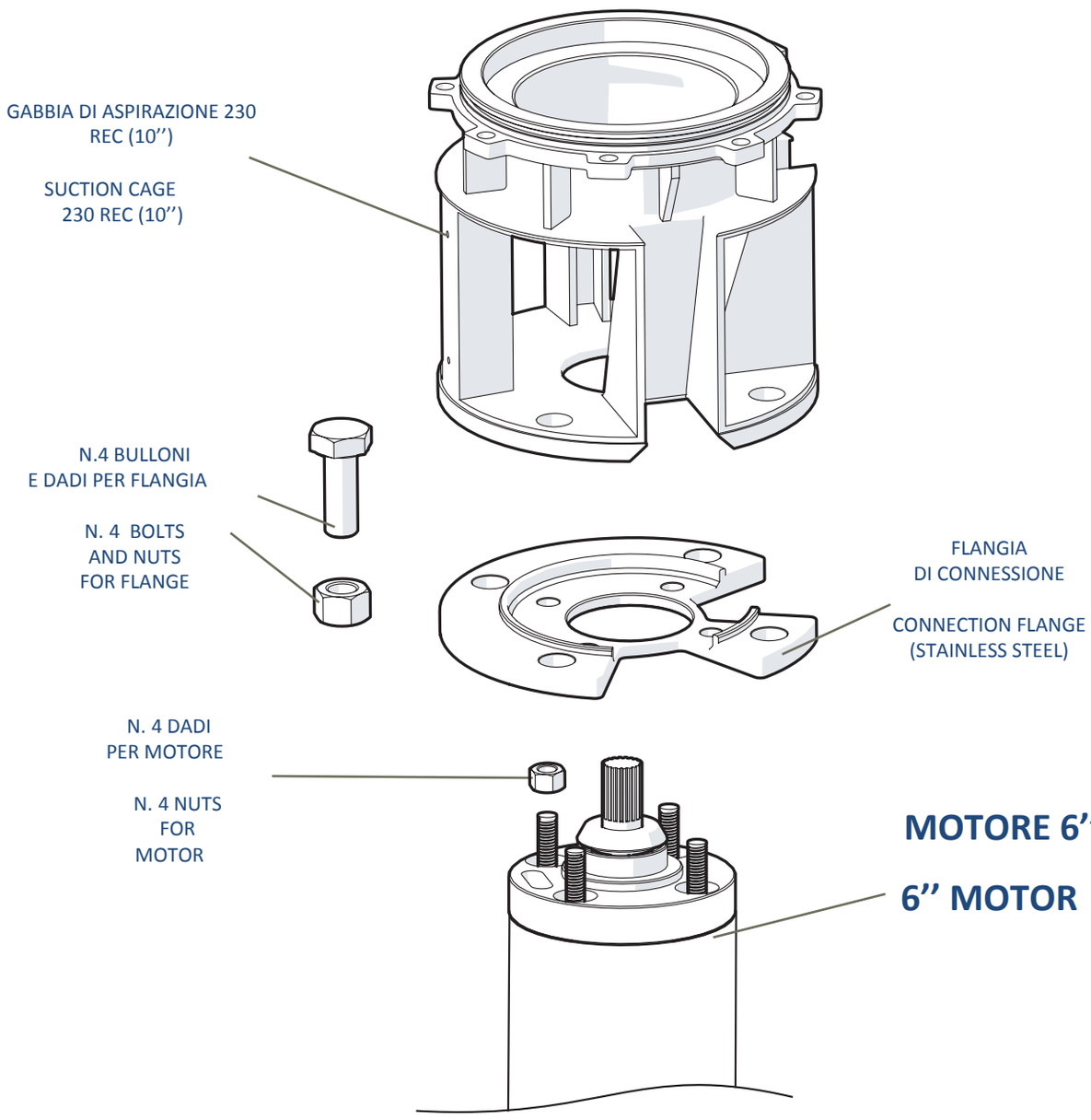
Sand tolerance 50 g/m³ - MEI ≥ 0,4 (regulation EU N. 547/2012)
Tolerances according to UNI ISO 9906 grade 3B

PERFORMANCE CURVES

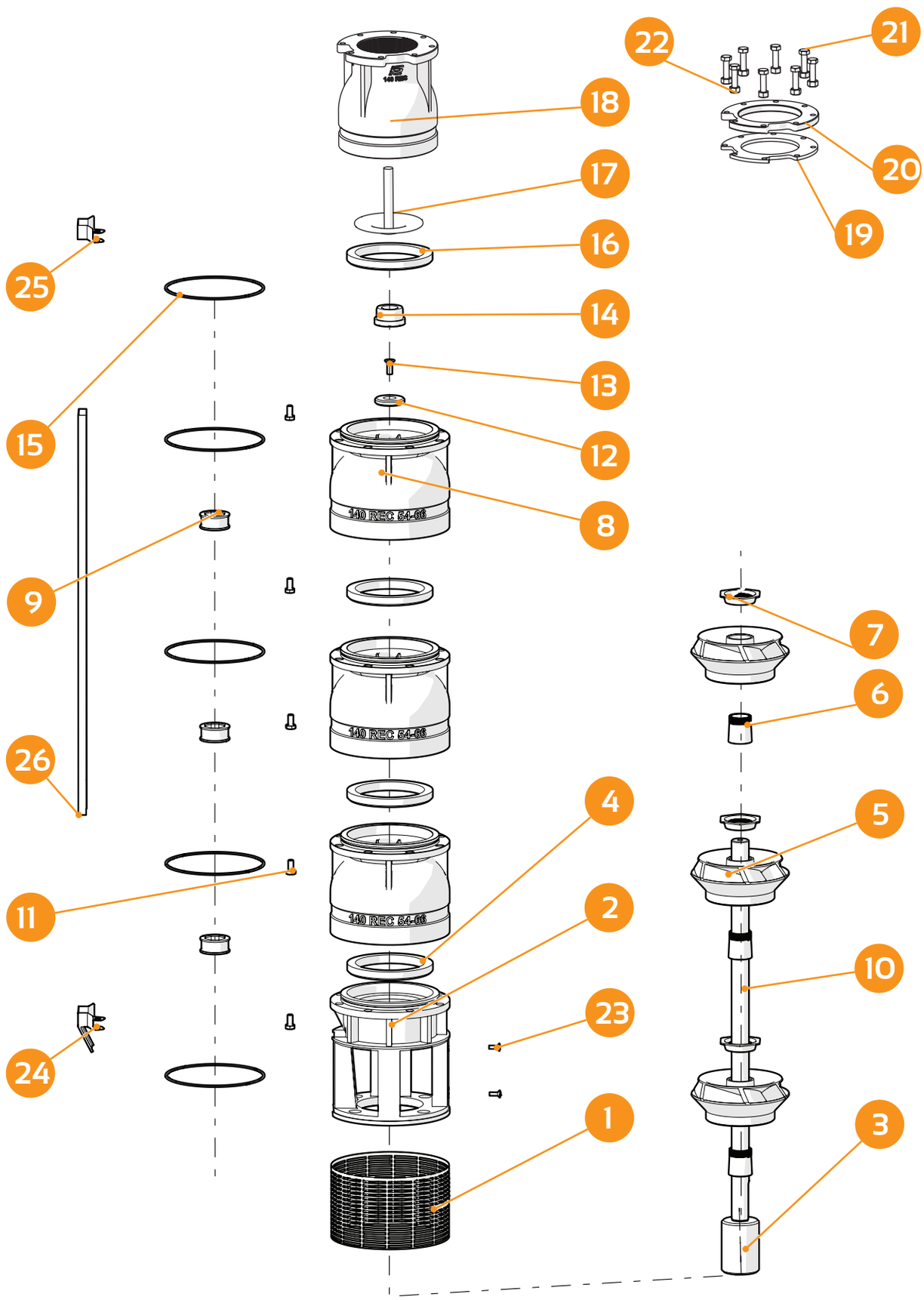


NPSH (m)	25%	50%	75%	100%
230 REC 240	3,9	5,5	8,5	14,4

10’’ PUMP COUPLING WITH 6’’ MOTORS CONNECTION FLANGE



SPARE PARTS



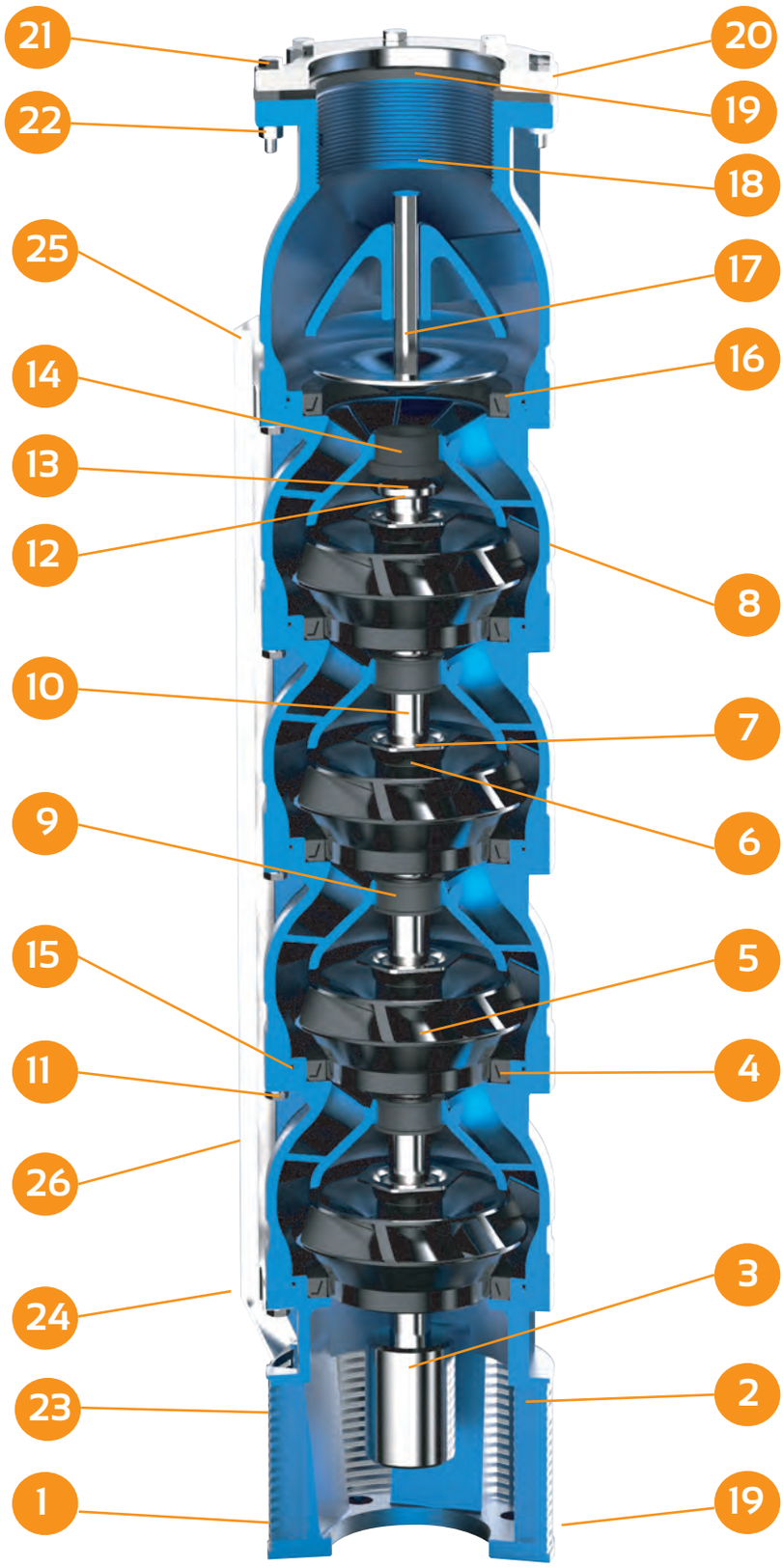
SPARE PARTS

140 - 180 - 230 REC

N.CODE	DESCRIZIONE (Italiano)	MATERIALE (Italiano)	DESCRIPTION (English)	MATERIAL (English)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2	GABBIA DI ASPIRAZIONE	GHISA	SUCTION CAGE	CAST IRON
3	GIUNTO	ACCIAIO INOX AISI 304	JOINT	AISI 304
4	ANELLO USURA	GOMMA	USURY RING	NBR
5	GIRANTE	GHISA	IMPELLER	CAST IRON
6	CONO	ACCIAIO INOX AISI 304	CONE	AISI 304
7	GHIERA	ACCIAIO INOX AISI 304	HEXAGONAL RING	AISI 304
8	DIFFUSORE	GHISA	DIFFUSEUR	CAST IRON
9	BRONZINA	GOMMA	BEARING BUSH	NBR
10	ALBERO POMPA	ACCIAIO INOX AISI 304	PUMP SHAFT	AISI 304
11	N.8 VITI PER DIFFUSORE	ACCIAIO INOX AISI 304	N.8 SCREW FOR DIFFUSEUR	AISI 304
12	DISCO ACCIAIO	ACCIAIO INOX AISI 304	RING	AISI 304
13	VITE DISCO ACCIAIO	ACCIAIO INOX AISI 304	SCREW FOR DISK	AISI 304
14	CONTROSOSPENSIONE	PTFE + 25 CARBONE	COUNTERTHRUST	PTFE + 25 CARBON
15	O-RING	GOMMA	O-RING	NBR
16	GUARNIZIONE FARFALLA	GOMMA	GASKET VALVE	NBR
17	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
18	CORPO VALVOLA	GHISA	BODY VALVE	CAST IRON
19	GUARNIZIONE CONTROFLANGIA	GOMMA	SEAL COUNTERFLANGE	NBR
20	CONTROFLANGIA	FERRO	COUNTERFLANGE	IRON
21	N.8 VITI PER CONTROFLANGIA	ACCIAIO INOX AISI 304	N.8 SCREW FOR COUNTERFLANGE	AISI 304
22	N.8 DADI PER CONTROFLANFIA	ACCIAIO INOX AISI 304	N.8 NUT FOR COUNTERFLANGE	AISI 304
23	N.2 VITI PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N.2 SCREW FOR SUCTION STRAINER	AISI 304
24	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304
25	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
26	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304

N.CODE	DESCRIPTION (Français)	MATÉRIEL (Français)	DESCRIPCIÓN (Español)	MATERIAL (Español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXYDABLE AISI 304
2	CAGE D'ASPIRATION	FONTE	CUERPO DE ASPIRACION	HIERRO FUNDIDO
3	JOINT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO	ACERO INOXYDABLE AISI 304
4	BAGUE D'USURE	CAOUTCHOUC	ANILLO DE DESGASTE	GOMA
5	ROUE	FONTE	IMPULSOR	HIERRO FUNDIDO
6	CONE	ACIER INOXYDABLE AISI 304	CONO	ACERO INOXYDABLE AISI 304
7	BAGUE	ACIER INOXYDABLE AISI 304	ANILLO HEXAGONAL	ACERO INOXYDABLE AISI 304
8	DIFFUSEUR	FONTE	DIFUSOR	HIERRO FUNDIDO
9	COUSSINET	CAOUTCHOUC	COJINETE	GOMA
10	ABRE POMPE	ACIER INOXYDABLE AISI 304	EJE DE BOMBA	ACERO INOXYDABLE AISI 304
11	N.8 VIS POUR DIFFUSEUR	ACIER INOXYDABLE AISI 304	N.8 TORNILLOS DIFUSOR	ACERO INOXYDABLE AISI 304
12	RING	ACIER INOXYDABLE AISI 304	ANILLO EN ACERO	ACERO INOXYDABLE AISI 304
13	VIS RING	ACIER INOXYDABLE AISI 304	TORNILLO POR ANILLO EN ACERO	ACERO INOXYDABLE AISI 304
14	CONTRESUSPENSION	PTFE + 25% GRAPHITE	CONTRA-SUSPENCION	PTFE + 25% GRAPHITE
15	O-RING	CAOUTCHOUC	ANILLO TORICO	GOMA
16	GASKET VALVE	CAOUTCHOUC	JUNTA DE VALVULA	GOMA
17	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXYDABLE AISI 304
18	CORPS DE VALVE	FONTE	CUERPO DE IMPULSION	HIERRO FUNDIDO
19	JOINT ETANCHEITE CONTREBRIDE	CAOUTCHOUC	JUNTA CONTRE-BRIDA	GOMA
20	CONTREBRIDE	FER	CONTRE-BRIDA	HIERRO
21	N.8 VIS POUR CONTREBRIDE	ACIER INOXYDABLE AISI 304	N. 8 TORNILLOS CONTRE-BRIDA	ACERO INOXYDABLE AISI 304
22	N.8 ECROU POUR CONTREBRIDE	ACIER INOXYDABLE AISI 304	N. 8 TUERCAS CONTRE-BRIDA	ACERO INOXYDABLE AISI 304
23	N.2 VIS POUR CREPINE	ACIER INOXYDABLE AISI 304	N.2 TORNILLOS REJILLA	ACERO INOXYDABLE AISI 304
24	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXYDABLE AISI 304
25	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXYDABLE AISI 304
26	PROTECTOR CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXYDABLE AISI 304

SPARE PARTS



SPARE PARTS

140 - 180 - 230 REC

N.CODE	DESCRIZIONE (Italiano)	MATERIALE (Italiano)	DESCRIPTION (English)	MATERIAL (English)
1	SUCCHERUOLA	ACCIAIO INOX AISI 304	SUCTION STRAINER	AISI 304
2	GABBIA DI ASPIRAZIONE	GHISA	SUCTION CAGE	CAST IRON
3	GIUNTO	ACCIAIO INOX AISI 304	JOINT	AISI 304
4	ANELLO USURA	GOMMA	USURY RING	NBR
5	GIRANTE	GHISA	IMPELLER	CAST IRON
6	CONO	ACCIAIO INOX AISI 304	CONE	AISI 304
7	GHIERA	ACCIAIO INOX AISI 304	HEXAGONAL RING	AISI 304
8	DIFFUSORE	GHISA	DIFFUSEUR	CAST IRON
9	BRONZINA	GOMMA	BEARING BUSH	NBR
10	ALBERO POMPA	ACCIAIO INOX AISI 304	PUMP SHAFT	AISI 304
11	N.8 VITI PER DIFFUSORE	ACCIAIO INOX AISI 304	N.8 SCREW FOR DIFFUSEUR	AISI 304
12	DISCO ACCIAIO	ACCIAIO INOX AISI 304	RING	AISI 304
13	VITE DISCO ACCIAIO	ACCIAIO INOX AISI 304	SCREW FOR DISK	AISI 304
14	CONTROSOSPENSIONE	PTFE + 25 CARBONE	COUNTERTHRUST	PTFE + 25 CARBON
15	O-RING	GOMMA	O-RING	NBR
16	GUARNIZIONE FARFALLA	GOMMA	GASKET VALVE	NBR
17	FARFALLA	ACCIAIO INOX AISI 304	CAP VALVE	AISI 304
18	CORPO VALVOLA	GHISA	BODY VALVE	CAST IRON
19	GUARNIZIONE CONTROFLANGIA	GOMMA	SEAL COUNTERFLANGE	NBR
20	CONTROFLANGIA	FERRO	COUNTERFLANGE	IRON
21	N.8 VITI PER CONTROFLANGIA	ACCIAIO INOX AISI 304	N.8 SCREW FOR COUNTERFLANGE	AISI 304
22	N.8 DADI PER CONTROFLANFIA	ACCIAIO INOX AISI 304	N.8 NUT FOR COUNTERFLANGE	AISI 304
23	N.2 VITI PER SUCCHERUOLA	ACCIAIO INOX AISI 304	N.2 SCREW FOR SUCTION STRAINER	AISI 304
24	STAFFETTA INFERIORE	ACCIAIO INOX AISI 304	LOWER FLANGE	AISI 304
25	STAFFETTA SUPERIORE	ACCIAIO INOX AISI 304	UPPER FLANGE	AISI 304
26	COPRICAVO	ACCIAIO INOX AISI 304	COVER CABLE	AISI 304

N.CODE	DESCRIPTION (Français)	MATÉRIEL (Français)	DESCRIPCIÓN (Español)	MATERIAL (Español)
1	CREPINE	ACIER INOXYDABLE AISI 304	REJILLA	ACERO INOXYDABLE AISI 304
2	CAGE D'ASPIRATION	FONTE	CUERPO DE ASPIRACION	HIERRO FUNDIDO
3	JOINT	ACIER INOXYDABLE AISI 304	ACOPLAMIENTO	ACERO INOXYDABLE AISI 304
4	BAGUE D'USURE	CAOUTCHOUC	ANILLO DE DESGASTE	GOMA
5	ROUE	FONTE	IMPULSOR	HIERRO FUNDIDO
6	CONE	ACIER INOXYDABLE AISI 304	CONO	ACERO INOXYDABLE AISI 304
7	BAGUE	ACIER INOXYDABLE AISI 304	ANILLO HEXAGONAL	ACERO INOXYDABLE AISI 304
8	DIFFUSEUR	FONTE	DIFUSOR	HIERRO FUNDIDO
9	COUSSINET	CAOUTCHOUC	COJINETE	GOMA
10	ABRE POMPE	ACIER INOXYDABLE AISI 304	EJE DE BOMBA	ACERO INOXYDABLE AISI 304
11	N.8 VIS POUR DIFFUSEUR	ACIER INOXYDABLE AISI 304	N.8 TORNILLOS DIFUSOR	ACERO INOXYDABLE AISI 304
12	RING	ACIER INOXYDABLE AISI 304	ANILLO EN ACERO	ACERO INOXYDABLE AISI 304
13	VIS RING	ACIER INOXYDABLE AISI 304	TORNILLO POR ANILLO EN ACERO	ACERO INOXYDABLE AISI 304
14	CONTRESUSPENSION	PTFE + 25% GRAPHITE	CONTRA-SUSPENCION	PTFE + 25% GRAPHITE
15	O-RING	CAOUTCHOUC	ANILLO TORICO	GOMA
16	GASKET VALVE	CAOUTCHOUC	JUNTA DE VALVULA	GOMA
17	PLAT	ACIER INOXYDABLE AISI 304	VALVULA	ACERO INOXYDABLE AISI 304
18	CORPS DE VALVE	FONTE	CUERPO DE IMPULSION	HIERRO FUNDIDO
19	JOINT ETANCHEITE CONTREBRIDE	CAOUTCHOUC	JUNTA CONTRE-BRIDA	GOMA
20	CONTREBRIDE	FER	CONTRE-BRIDA	HIERRO
21	N.8 VIS POUR CONTREBRIDE	ACIER INOXYDABLE AISI 304	N. 8 TORNILLOS CONTRE-BRIDA	ACERO INOXYDABLE AISI 304
22	N.8 ECROU POUR CONTREBRIDE	ACIER INOXYDABLE AISI 304	N. 8 TUERCAS CONTRE-BRIDA	ACERO INOXYDABLE AISI 304
23	N.2 VIS POUR CREPINE	ACIER INOXYDABLE AISI 304	N.2 TORNILLOS REJILLA	ACERO INOXYDABLE AISI 304
24	BRIDE INFERIEURE	ACIER INOXYDABLE AISI 304	GRAPA INFERIOR	ACERO INOXYDABLE AISI 304
25	BRIDE SUPERIEURE	ACIER INOXYDABLE AISI 304	GRAPA SUPERIOR	ACERO INOXYDABLE AISI 304
26	PROTECTOR CABLE	ACIER INOXYDABLE AISI 304	PARACABLE	ACERO INOXYDABLE AISI 304