

Elettropompe centrifughe sommerse per pozzi da 8"

Centrifuge submersible pump for well of 8"

COSTRUZIONE

Sono elettropompe centrifughe sommerse per pozzi da 8", con giranti radiali, collegate al motore tramite supporto d'aspirazione e giunto meccanico secondo norme NEMA. Il corpo pompa è serrato mediante tubo di acciaio inox.

- Valvola di non ritorno inserita nel corpo di mandata
- Corpo di mandata e supporto di aspirazione in ghisa grigia
- Boccola di guida albero in acciaio inox
- Anelli di usura particolarmente studiati per la lubrificazione e resistenza alle infiltrazioni di sabbia, in desmopan
- Albero ampiamente dimensionato in acciaio inox
- Protezione cavo di alimentazione e griglia di aspirazione, in acciaio inox
- Anelli paracolpi per la protezione delle parti idrauliche in fase di avviamento, in acciaio inox

IMPIEGHI

Adatta per impianti idrici di approvvigionamento e pressurizzazione da pozzi profondi in impieghi di:

- Sistema di rifornimento idrici per usi civili ed industriali
- Irrigazione a pioggia ed a scorrimento
- Impianti automatici antincendio UNI 9490 e 10779
- Impianti di sopraelevazione
- Applicazione industriale varia

LIQUIDI POMPATI

Chiari non aggressivi, non esplosivi e privi di sostanze solide e fibrose.

DATI DI FUNZIONAMENTO

Pompa

- Portate fino 108 m³/h
- Prevalenze fino a 709 m
- Diametro massimo di ingombro 191 mm
- Massima profondità di immersione 350 m
- Massima quantità di sabbia 50 g/m³
- Temperatura liquido pompato max + 30 °C
- Installazione verticale orizzontale e obliquo
- Attacco filettato
- Senso di rotazione antiorario visto dalla mandata

Motore

- Di tipo asincrono a due poli raffreddato ad acqua
- Flangia attacco NEMA
- Tensione Trifase 380 V / 415 V
- Frequenza 50 Hz
- Massima deviazione rispetto alla tensione nominale +6% -10%
- motori 6" Potenza da 4 kW fino a 45 kW isolamento classe F
- motori 8" Potenza da 45 kW fino a 93 kW isolamento in PVC
- Cavo in dotazione metri 4 per motori 6" metri 6 per motori 8"
- Grado di protezione motore IP 68
- Protezione motori con relè termico secondo le norme VDE, classe di scatto (trip) 10 o 10 A/tempo di scatto <10 s a 5 x A
- Per altre caratteristiche dei motori vedere la sezione relativa in questo stesso catalogo

CONSTRUCTION

These are centrifuge submersible pumps for well of 8", with radial impeller connected to the motor by intake support and mechanical coupling, in accordance with norms NEMA. Pump body is tightened by tube in stainless steel.

- Check valve put in the delivery body
- Delivery body and intake support in gray iron
- Ferrule bearing that guides the shaft in stainless steel
- Wear-rings studied for lubrication and resistance to the infiltration of sand, in desmopan
- Shaft amply measured in stainless steel
- Protection of line cord strong suction screen in stainless-steel
- Buffer rings for protection of the hydraulic parts in starting stage, in stainless-steel

USES

Suitable for waterworks of procurement and pressurization by deep well in uses of:

- System of hydric supplying for civil and industrial uses;
- Irrigation at rain and at slip
- Automatic fire fighting plants UNI 9490 and 10779
- Superelevation plants
- Various industrial appliances

PUMPED LIQUIDS

Clear, not aggressive and not explosive, without solid or fibrous substances.

PERFORMANCE DATA

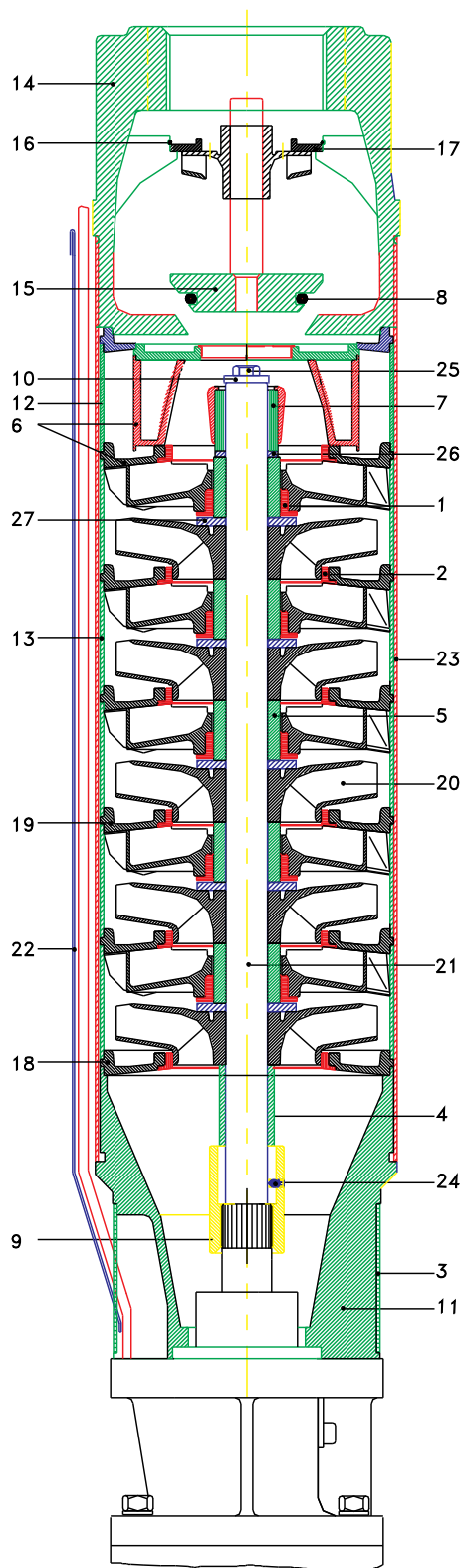
Pump

- Deliveries up to 108 m³/h
- Heads up to 709 m
- Maximum bore crammed 191 mm
- Maximum depth of immersion 350 m
- Maximum quantity of sand 50 g/m³
- Maximum temperature of pumped liquid +30 °C
- Vertical, horizontal and oblique installation
- Threaded connection
- Anticlockwise rotation seen from the discharge

Motor

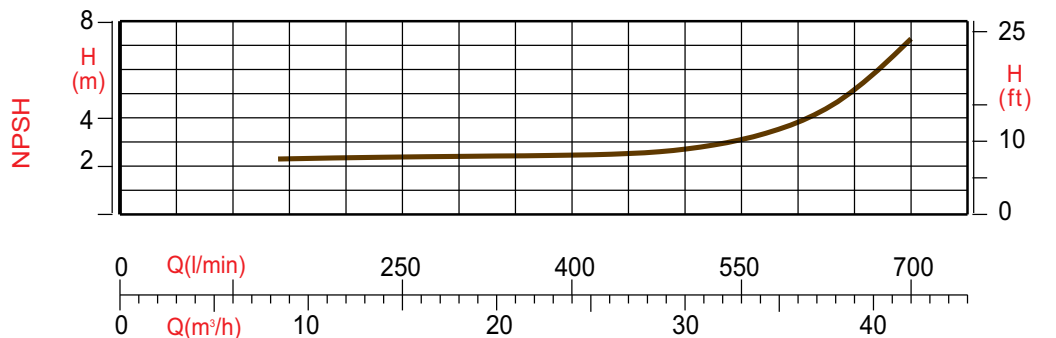
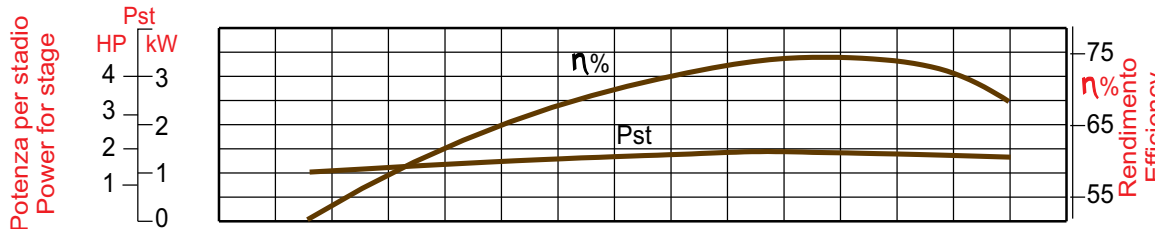
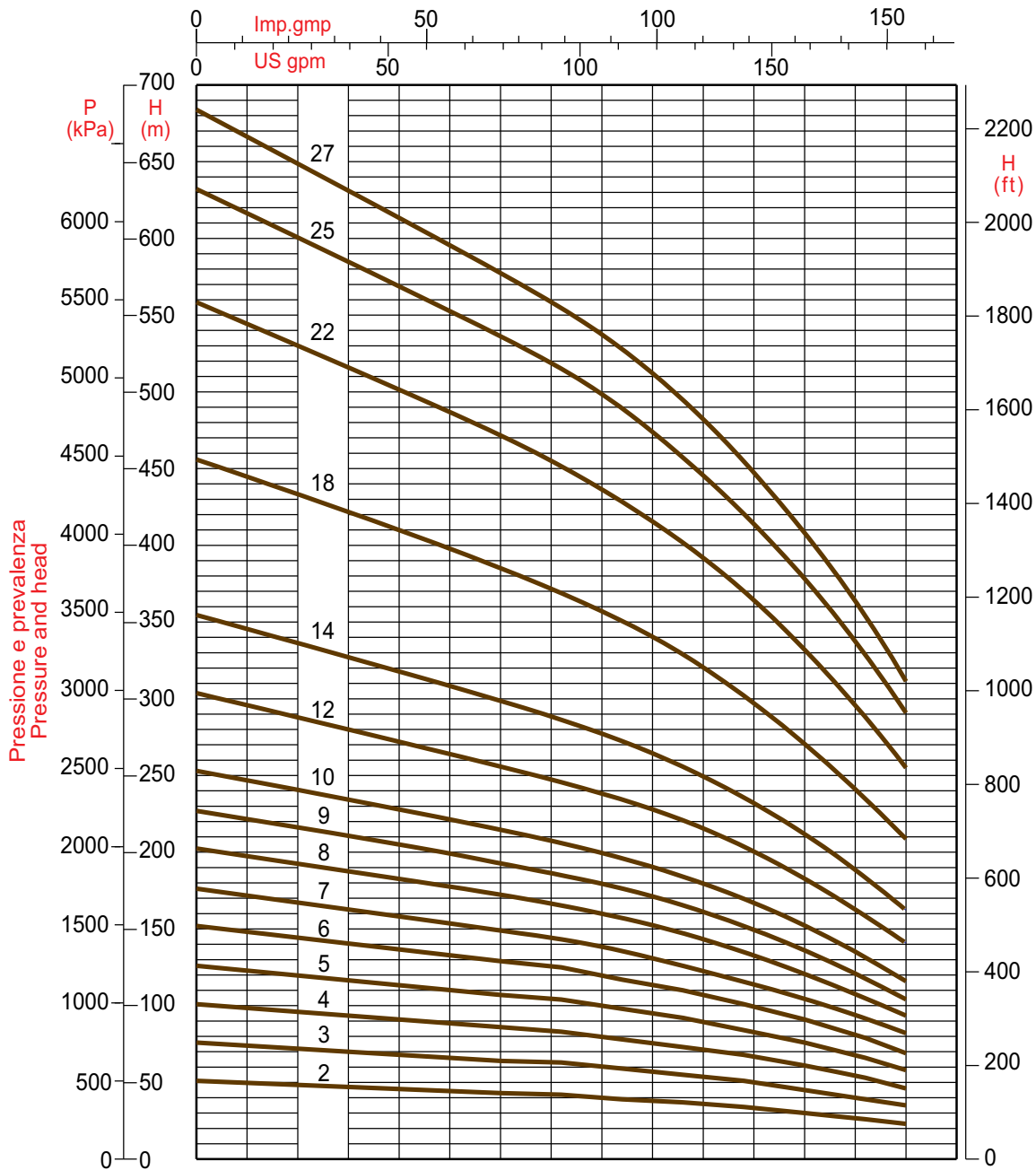
- Asynchronous type with two poles, cooled with water
- Connection flange NEMA
- Three-phase tension 380 V / 415 V
- Frequency 50 Hz
- Maximum deviation respect to the nominal tension +6% -10%
- Power of motors 6" by 4 kW up to 45 kW class of insulation F
- Power of motors 8" by 45 kW up to 93 kW segregation in PVC
- Cable in equipment 4 m for motors of 6" and 6m for motors of 8"
- Protection's level of motor IP 68
- Protection motors with thermal relay in accordance to norms VDE, class of trip 10 or 10 A / time of trip <10 s to 5 x A
- For other characteristic of motors, take a look to the relative section in this same catalogue

N. Rif. N. Ref.	Descrizione Description	Materiale Material
1	Anello di rasamento Routh shave ring	X5 Cr Ni 1810
2	Anello di rasamento Routh shave ring	
3	Filtro di aspirazione Filter	
4	Boccola distanziale Distance ferrule	X20 Cr 13
5	Boccola distanziale Distance ferrule	
6	Supporto Bracket	Polycarbonato Polycarbonate
7	Cuscinetto Bearing	Gomma nitrilica Nitrile rubber
8	Anello OR OR oring	Gomma acrilonitrica Acrylonitic Rubber
9	Giunto Coupling	X20 Cr 13
10	Rondella Washer	X5 Cr Ni Mo 1712
11	Supporto aspirazione Aspiration break	GG 20 Cast iron
12	Anello distanziale Spacer ring	X5 Cr Ni 1810
13	Anello distanziale Spacer ring	
14	Corpo di mandata Delivery body	GG 20 Cast iron
15	Valvola Valve	
16	Anello seeger Seeger ring	X10 Cr Ni 1809
17	Rondella valvola Valve washer	Polycarbonato Polycarbonate
18	Disco diffusore Diffuser disc	
19	Diffusore diffuser	
20	Girante Impeller	
21	Albero Shaft	X10 Cr S 17
22	Ripara cavo Cable protection	X5 Cr Ni 1810
23	Camicia External housing	
24	Grano Dowel	
25	Bullone Bolt	
26	Rondella Washer	
27	Rondella contropinta Trust bearing washer	



Curve caratteristiche 2 poli/50Hz

Performance curves 2 poles/50Hz



R 827



R 827



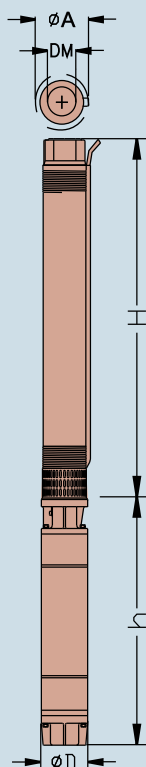
Caratteristiche

Performances

2 poli/50Hz

2 poles/50Hz

TIPO - TYPE		DATI FUNZIONAMENTO MOTORE MOTOR OPERATING DATA				DATI IDRAULICI - HYDRAULIC DATA											
TRIFASE THREE - PHASE		POTENZA POWER		CORRENTE CURRENT		PORTATA CAPACITY											
		HP	kW	A 3x220 V	A 3x400 V	Q(l/min)	0	200	250	300	350	400	450	500	550	600	650
Q(m³/h)	0					12	15	18	21	24	27	30	33	36	39	42	
400 V 50 Hz						H=prevalenza totale in m.c.a.						H=total head w.c.m.					
R827-02	55	5.5	4	17	9.8	51	46	44	43	42	40	38	36	33	30	27	23
R827-03	75	7.5	5.5	23	13	76	68	66	64	63	60	57	54	50	45	40	35
R827-04	100	10	7.5	30	17	101	91	88	86	83	80	75	71	67	61	54	46
R827-05	125	12.5	9.2	36	21	126	113	110	107	104	100	95	89	83	75	67	58
R827-06	150	15	11	43	24	152	137	133	129	126	120	113	107	99	91	81	69
R827-07	175	17.5	12.8	51	29	176	158	153	141	144	138	131	122	114	104	94	82
R827-08	200	20	15	60	34	202	183	177	172	166	160	152	143	133	120	107	93
R827-09	250	25	18.5	73	39	227	205	199	193	186	179	171	161	149	136	121	104
R827-10	300	30	22	79	46	253	228	221	215	207	199	190	179	167	152	135	116
R827-12	350	35	26	93	56	304	272	264	256	247	238	228	215	200	182	162	141
R827-14	400	40	30	109	63	355	318	308	299	280	277	264	249	231	212	188	162
R827-18	500	50	37	133	78	456	410	398	385	371	357	340	320	297	271	241	209
R827-22	600	60	45	161	92	558	501	486	471	455	436	416	392	364	332	296	255
R827-25	700	70	51	182	106	632	569	553	536	519	498	474	445	414	378	337	290
R827-27	750	75	55	192	109	684	613	595	577	559	537	512	482	449	408	362	311



Dimensioni e pesi

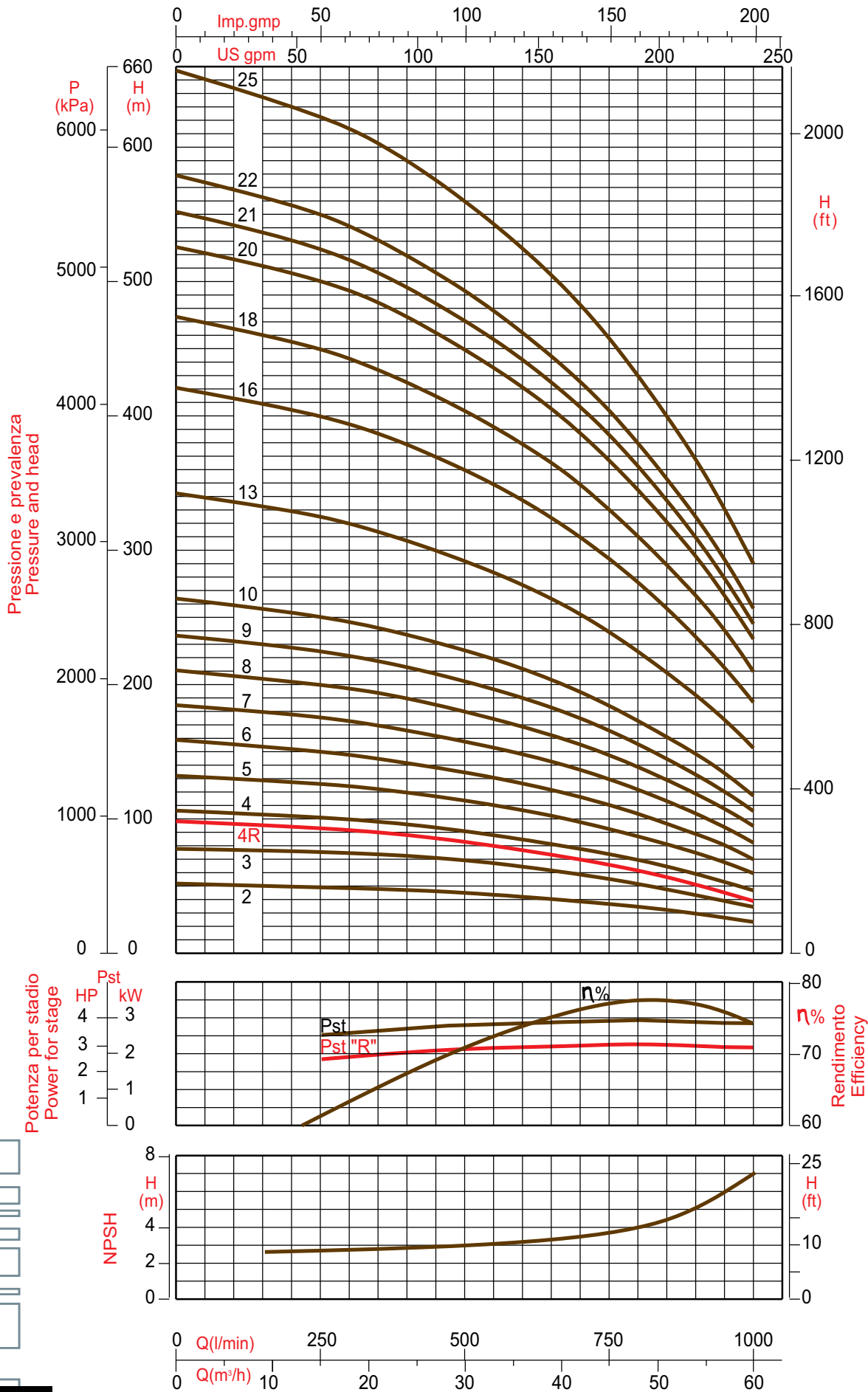
Dimensions and weights

TIPO - TYPE	N. STADI STAGES	POMPA PUMP		MOTORE MOTOR		DM	A	D
		H	kg	h	kg			
R827-02	55	2	560	22	658	G 3	191	144
R827-03	75	3	630	23	698			
R827-04	100	4	700	25	748			
R827-05	125	5	770	27	788			
R827-06	150	6	840	29	883			
R827-07	175	7	944	31	878			
R827-08	200	8	980	33	923			
R827-09	250	9	1050	35	1013			
R827-10	300	10	1120	37	1098			
R827-12	350	12	1224	41	1193			
R827-14	400	14	1480	60	1233			
R827-18	500	18	1760	68	1233			
R827-22	600	22	2040	76	1313			
R827-25	700	25	2470	102	1423			
R827-27	750	27	2610	106	1538			191

Si riserva la facoltà di apportare modifiche senza obbligo di preavviso
Reserves the right to make modification without prior notice

Curve caratteristiche 2 poli/50Hz

Performance curves 2 poles/50Hz



R 830



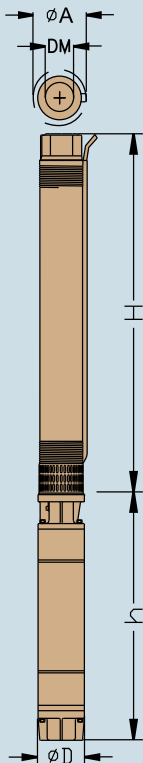
2 poli/50Hz

2 poles/50Hz

TIPO - TYPE	DATI FUNZIONAMENTO MOTORE MOTOR OPERATING DATA				DATI IDRAULICI - HYDRAULIC DATA												
	POTENZA POWER		CORRENTE CURRENT		PORTATA CAPACITY												
TRIFASE THREE - PHASE 400 V 50 Hz	HP	kW	A 3x220 V	A 3x400 V	Q(l/min)	0	300	400	500	600	650	700	750	800	850	900	1000
					Q(m ³ /h)	0	18	24	30	36	42	48	54	60	48	54	60
					H=prevalenza totale in m.c.a. H=total head w.c.m.												
R830-02 75	7.5	5.5	23	13	52	48	47	45	42	41	38	36	36	32	29	23	
R830-03 100	10	7.5	30	17	77	74	73	69	65	61	56	54	51	47	43	33	
R830-04R 125	12.5	9.2	36	21	98	91	88	83	77	73	70	65	61	56	50	38	
R830-04 150	15	11	51	24	106	99	96	90	84	81	77	74	69	64	59	46	
R830-05 175	17.5	12.8	60	29	132	124	119	113	105	101	97	92	86	80	74	58	
R830-06 200	20	15	73	34	158	147	141	134	126	121	116	110	103	96	88	69	
R830-07 250	25	18.5	79	39	184	172	165	157	148	142	135	128	121	113	104	82	
R830-08 300	30	22	93	46	210	196	189	179	167	162	154	146	137	129	118	93	
R830-09 350	35	26	109	56	236	221	212	201	189	182	174	165	154	144	132	105	
R830-10 400	40	30	133	63	263	246	236	225	210	202	194	183	172	161	149	116	
R830-13 500	50	37	161	78	342	319	306	290	273	263	252	238	223	208	191	151	
R830-16 600	60	45	192	92	420	393	378	359	336	323	309	293	274	256	234	185	
R830-18 700	70	51	192	106	471	441	424	403	378	364	347	328	310	287	266	208	
R830-20 750	75	55	213	119	524	492	473	448	419	403	385	365	344	319	294	232	
R830-21 800	80	59	241	124	551	515	494	470	441	424	405	385	361	336	309	243	
R830-22 900	90	66	264	135	577	540	510	492	461	443	423	402	378	352	324	254	
R830-25 1000	100	75	19	153	656	612	588	558	524	504	481	456	430	399	366	290	

Dimensioni e pesi

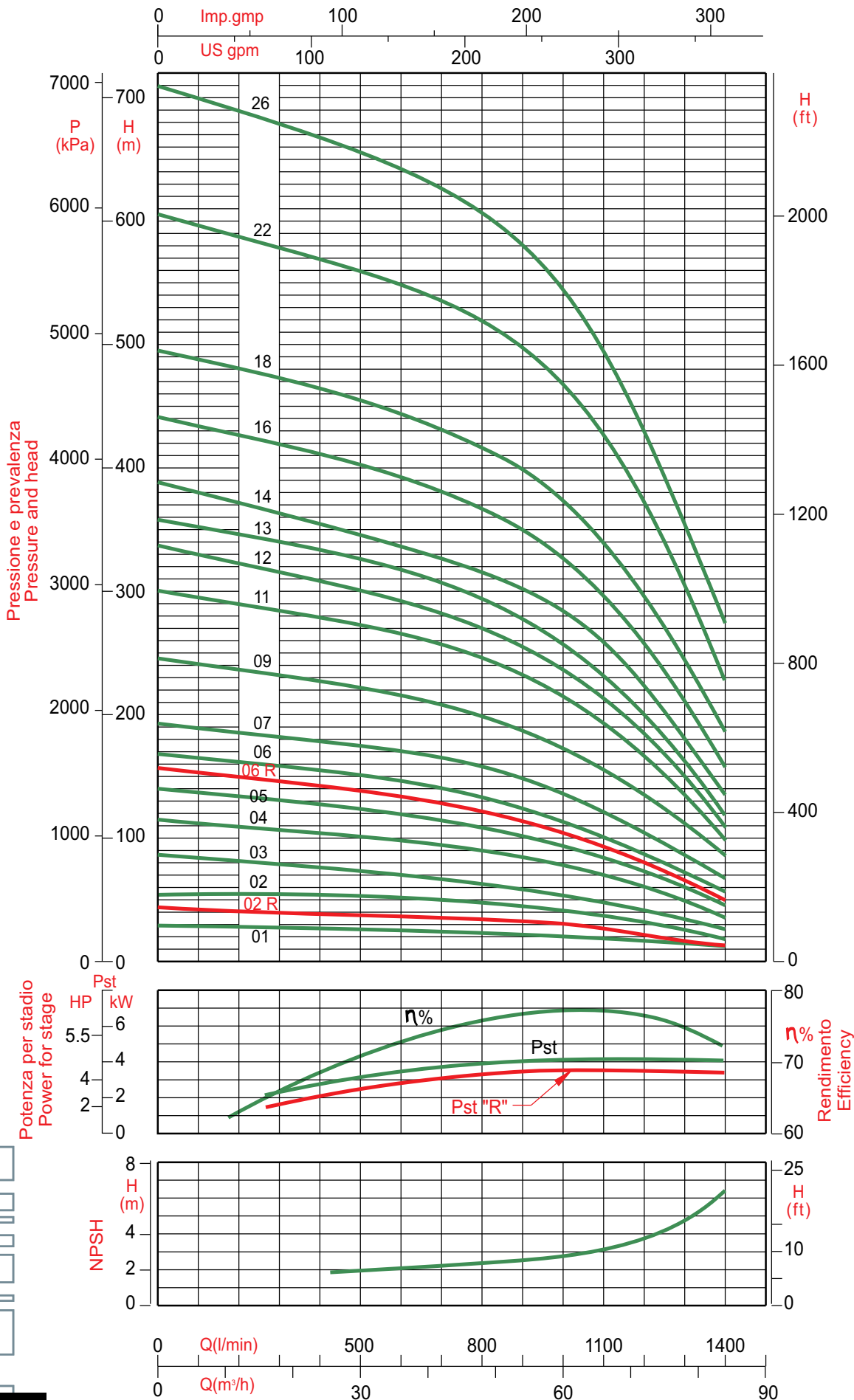
Dimensions and weights



TIPO - TYPE	N. STADI STAGES	POMPA PUMP		MOTORE MOTOR		DM	A	D		
		H	kg	h	kg					
R830-02 75	7.5	560	21	614.4	41.1	G 3	191	144		
R830-03 100	3	630	23	646.2	45.2					
R830-04 125	4	700	25	678.7	47.5					
R830-04 150	4	700	25	711.2	50.9					
R830-05 175	5	770	27	776.2	56.7					
R830-06 200	6	840	29	776.2	56.7					
R830-07 250	7	910	31	814.5	63.3					
R830-08 300	8	980	33	906.5	69.3					
R830-09 350	9	1050	35	1036.6	83.9					
R830-10 400	10	1084	37	1036.6	83.9					
R830-13 500	13	1224	43	1404.9	135					
R830-16 600	16	1550	63	1557.3	148					
R830-18 700	18	1980	88	1340	176					
R830-20 750	20	2120	90	1340	176					
R830-21 800	21	2190	92	1560	215					
R830-22 900	22	2260	96	1560	215					
R830-25 1000	25	2470	102	1560	215					
										191

Curve caratteristiche 2 poli/50Hz

Performance curves 2 poles/50Hz



R 860



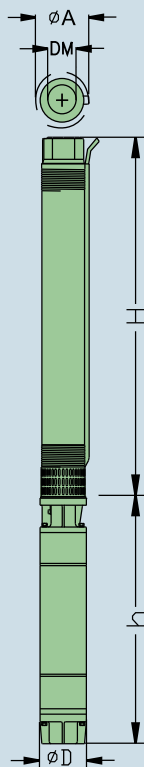
2 poli/50Hz

2 poles/50Hz

TIPO - TYPE	DATI FUNZIONAMENTO MOTORE MOTOR OPERATING DATA				DATI IDRAULICI - HYDRAULIC DATA													
	POTENZA POWER		CORRENTE CURRENT		PORTATA CAPACITY													
	HP	kW	A		Q(l/min)	0	300	400	500	600	700	800	900	1000	1100	1300	1400	
TRIFASE THREE - PHASE					3x220 V	3x400 V	Q(m³/h)	0	18	24	30	36	42	48	54	60	66	78
400 V 50 Hz					H=prevalenza totale in m.c.a.							H=total head w.c.m.						
R860-01 55	5.5	4	23	9.8	27	26	25	24	23	22	21	20	19	17	13	9		
R860-02R 100	10	7.5	30	17	44	39	37	36	35	34	33	32	31	27	17	13		
R860-02 125	12.5	9.2	36	21	54	52	51	49	47	45	44	42	38	34	25	18		
R860-03 150	15	11	43	24	87	79	76	73	70	67	63	59	54	48	35	27		
R860-04 200	20	15	60	34	115	105	101	98	95	91	87	83	78	70	49	35		
R860-05 250	25	18.5	73	39	140	130	127	123	119	114	109	103	95	85	61	45		
R860-06R 300	30	22	79	46	157	145	141	137	133	128	123	117	108	95	66	50		
R860-06 350	35	26	93	56	164	156	153	149	146	141	135	127	117	105	75	55		
R860-07 400	40	30	109	63	191	180	177	173	168	163	157	149	139	126	91	65		
R860-09 500	50	37	133	78	245	232	228	223	216	207	198	191	180	164	118	85		
R860-11 600	60	45	161	92	300	283	277	271	264	257	247	233	215	193	136	98		
R860-12 700	70	51	192	106	337	313	305	297	288	279	269	256	238	214	150	108		
R860-13 750	75	55	192	109	358	340	333	325	316	305	293	279	260	235	164	119		
R860-14 800	80	59	213	123	388	363	354	345	336	326	316	303	286	257	180	135		
R860-16 900	90	66	241	135	441	418	411	403	393	380	366	350	329	296	210	157		
R860-18 1000	100	75	264	153	495	473	466	458	448	433	417	399	375	338	243	186		
R860-22 1250	125	92		184	606	578	568	559	550	537	520	498	469	423	303	226		
R860-26 1500	150	110		220	709	679	668	656	643	626	607	580	545	491	353	274		

Dimensioni e pesi

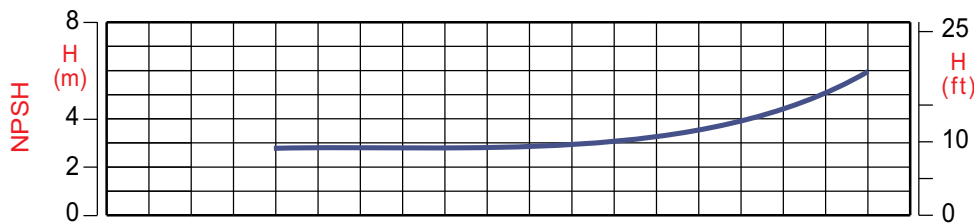
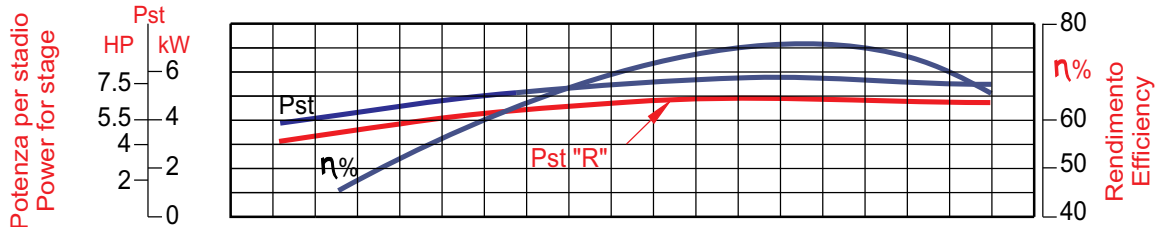
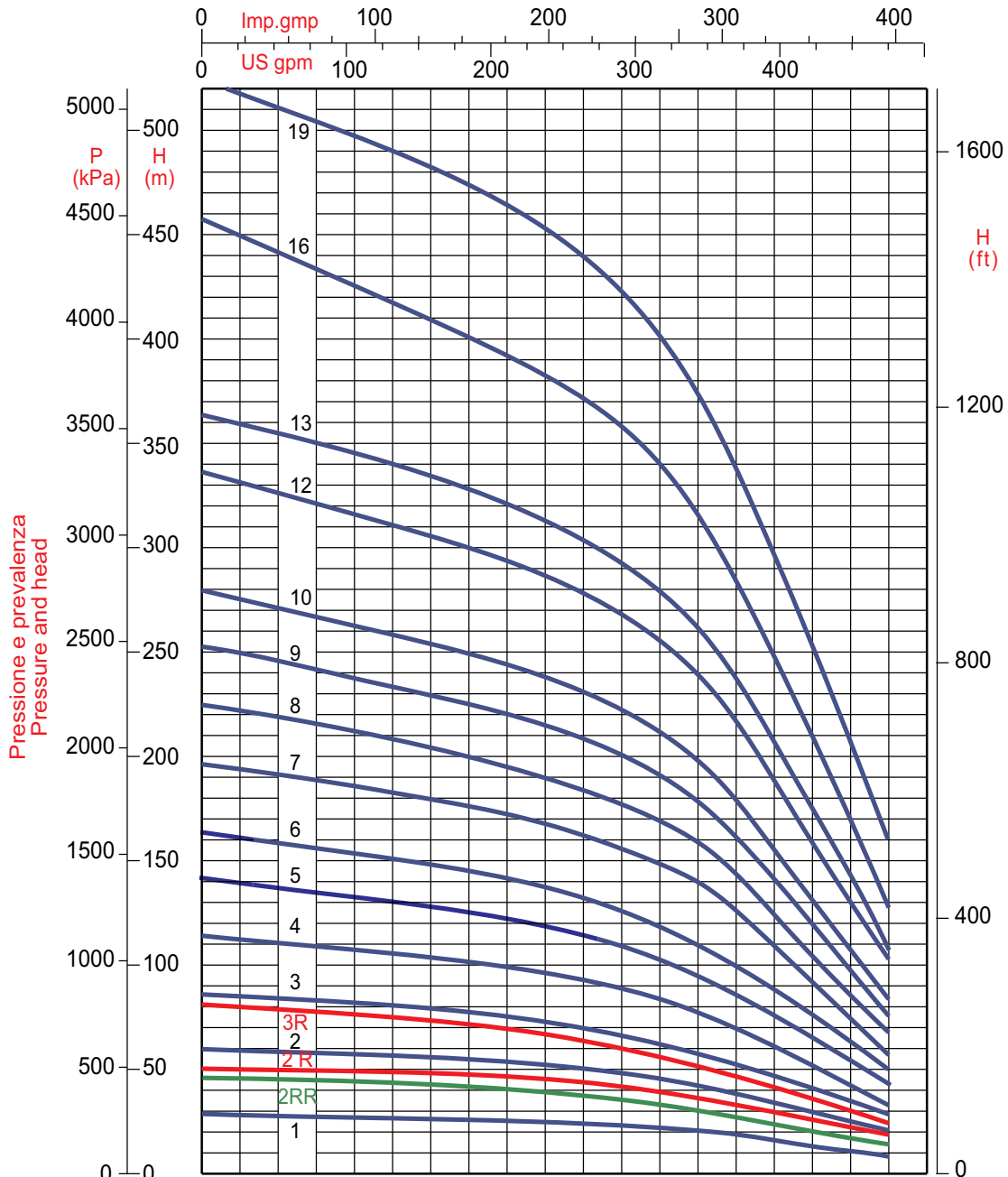
Dimensions and weights



TIPO - TYPE	N. STADI STAGES	POMPA PUMP		MOTORE MOTOR		DM	A	D
		H	kg	h	kg			
R860-01 55	1	520	21	581.2	37.5	G 4	191	144
R860-02R 100	2	560	22	646.2	45.2			
R860-02 125	2	560	22	678.7	47.5			
R860-03 150	3	630	23	711.2	50.9			
R860-04 200	4	700	25	776.2	56.7			
R860-05 250	5	770	27	814.5	63.3			
R860-06R 300	6	874	29	906.5	69.3			
R860-06 350	6	874	29	1036.6	83.9			
R860-07 400	7	914	31	1036.6	83.9			
R860-09 500	9	1014	33	1404.9	135			
R860-11 600	11	1154	37	1557.3	148			
R860-12 700	12	1390	39	1340	176			
R860-01 750	13	1460	41	1340	176			
R860-14 800	14	1700	76	1340	176			
R860-16 900	16	1840	80	1560	215			
R860-18 1000	18	1980	84	1560	215			
R860-22 1250	22	2260	96	1740	247			
R860-26 1500	26	2540	104	1529	315	232		

Curve caratteristiche 2 poli/50Hz

Performance curves 2 poles/50Hz



R890



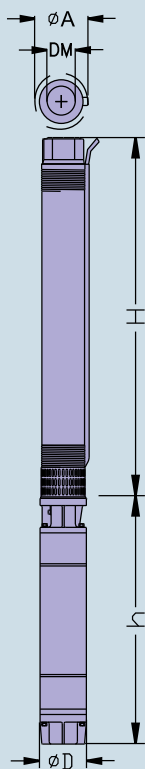
2 poli/50Hz

2 poles/50Hz

TIPO - TYPE	DATI FUNZIONAMENTO MOTORE MOTOR OPERATING DATA				DATI IDRAULICI - HYDRAULIC DATA													
	POTENZA POWER		CORRENTE CURRENT		PORTATA CAPACITY													
TRIFASE THREE - PHASE 400 V 50 Hz	HP	kW	A 3x220 V	A 3x400 V	Q(l/min)	0	500	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800
					Q(m ³ /h)	0	30	42	48	54	60	66	72	78	84	90	96	108
					H=prevalenza totale in m.c.a.						H=total head w.c.m.							
R890-01 75	7.5	5.5	23	13	28	26	25	24	23	22	21	20	19	18	15	12	7	
R890-02RR 100	10	7.5	30	17	46	43	41	40	38	37	35	33	30	27	24	20	14	
R890-02R 125	12.5	9.2	36	21	50	48	47	46	45	43	41	39	35	32	29	25	18	
R890-02 150	15	11	51	24	57	56	54	52	51	50	48	45	42	38	34	30	21	
R890-03R 200	20	15	60	34	80	73	71	69	66	63	60	55	50	45	40	35	24	
R890-03 250	25	18.5	73	39	85	80	77	75	72	69	66	62	57	52	46	40	27	
R890-04 300	30	22	79	46	114	104	100	99	96	93	89	83	77	70	61	51	33	
R890-05 350	35	26	93	56	140	128	123	120	117	113	108	101	93	84	74	63	42	
R890-06 400	40	30	109	63	162	149	143	140	136	131	125	118	108	98	87	75	48	
R890-07 500	50	37	133	78	195	181	175	173	166	160	154	147	138	124	108	90	55	
R890-08 600	60	45	161	92	223	206	198	193	188	182	175	167	157	141	122	102	66	
R890-09 700	70	51	192	106	251	231	223	218	213	207	198	188	176	159	138	117	74	
R890-10 800	80	59	213	123	278	256	247	242	236	229	220	209	196	177	153	130	82	
R890-12 900	90	66	241	135	334	308	298	291	284	276	265	252	236	214	185	156	100	
R890-13 1000	100	75	264	153	362	338	327	319	311	302	290	277	260	235	205	174	106	
R890-16 1250	125	92		184	455	415	398	390	380	369	356	337	313	281	245	207	125	
R890-19 1500	150	110		220	523	487	471	462	451	437	421	400	372	336	295	251	158	

Dimensioni e pesi

Dimensions and weights



TIPO - TYPE	N. STADI STAGES	POMPA PUMP		MOTORE MOTOR		DM	A	D		
		H	kg	h	kg					
R890-01 75	1	490	19	614.4	41.1	G 4	191	144		
R890-02RR 100	2	566	23	646.2	45.2					
R890-02R 125	2	566	23	678.7	47.5					
R890-02 150	2	566	23	711.2	50.9					
R890-03R 200	3	642	24	776.2	56.7					
R890-03 250	3	642	24	814.5	63.3					
R890-04 300	4	718	26	906.5	69.3					
R890-05 350	5	794	28	1036.6	83.9					
R890-06 400	6	870	30	1036.6	83.9					
R890-07 500	7	946	32	1404.9	135					
R890-08 600	8	1012	33	1557.3	148					
R890-09 700	9	1136	35	1340	176					
R890-10 800	10	1222	37	1340	176					
R890-12 900	12	1364	41	1560	215					
R890-13 1000	13	1708	43	1560	215					
R890-16 1250	16	1936	88	1740	247					
R890-19 1500	19	2164	90	1529	315					
										191
										232

Si riserva la facoltà di apportare modifiche senza obbligo di preavviso
Reserves the right to make modification without prior notice