

Elettropompe sommergibili

ROXY-R



Elettropompe sommergibili monoblocco multistadio verticali, per pozzi 5"

Vertical submersible single block multi stage electric pumps, for 5" wells

Prevalenza: 34,5 mt ÷ 85 mt

Portata: 5,4 ÷ 14,4 m³/h

Potenza nominale: 0,6 kW (0,8 HP) ÷ 1,85 kW (2,5 HP)

Applicazioni

- Impianti per la movimentazione di acque nei settori civile ed industriale.
- Impianti di pressurizzazione.
- Impianti di approvvigionamento idrico da vasche di prima raccolta, pozzi da 5", pozzi romani, bacini e corsi d'acqua.
- Irrigazione a pioggia.

Caratteristiche di costruzione

- Motore a bagno d'olio (atossico) per raffreddamento e lubrificazione cuscinetti.
- Immersione massima: mt. 20.
- Grado di protezione IP 68.
- Classe di isolamento: F.
- Temperatura max. Liquido pompato: 35°C.
- Versioni: Monofase: 220-230V/50Hz con protettore termico incorporato o quadro elettrico in materiale plastico completo di condensatore e interruttore.
- Cavo standard: Monofase: 10/20 metri.

Speciali voltaggi e frequenze a richiesta.

Le prestazioni valgono per liquidi con densità:
 $p = 1,0 \text{ kg/dm}^3$ ed una viscosità $v = 1 \text{ mm}^2/\text{s}$

Pump head: 34,5 mt ÷ 85 mt.

Delivery: 5,4 ÷ 14,4 m³/h

Rated output: 0,6 kW (0,8 HP) ÷ 1,85 kW (2,5 HP)

Applications

- Civil and industrial waters handling plants.
- Pressurisation plants.
- Water supply from rain water tanks or reservoirs, 5" wells, roman wells, basins and watercourses.
- Sprinkler systems.

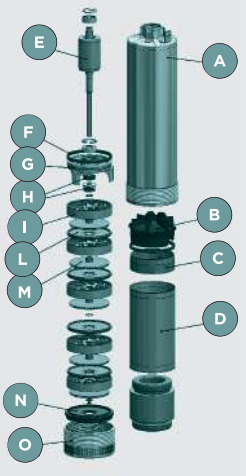
Design engineering

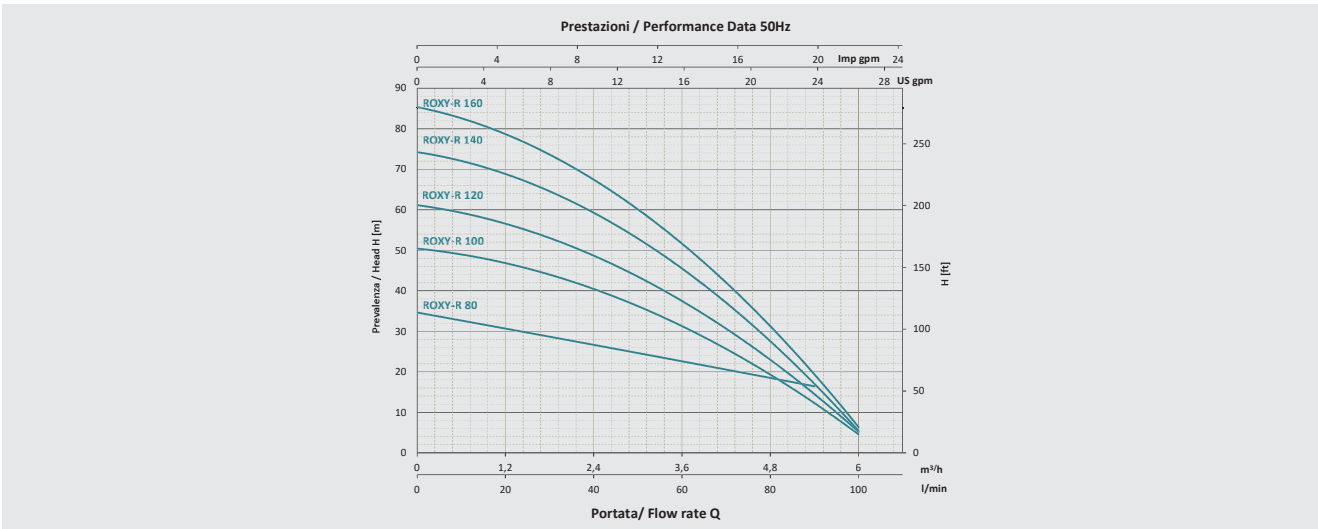
- Oil bath motor (non-toxic) for cooling and bearing lubrication.
- Permissible draught of water: 20 m.
- IP 68 protection class.
- Class F insulation
- Max. Pumped liquid temperature: 35°C.
- Versions: Single Phase: 220-230V/50Hz with built in thermal or plastic casing power supply box comprising capacitor and switch.
- Standard cable: Single Phase: 10 / 20 metres

Customised voltage and frequency rating available on demand.

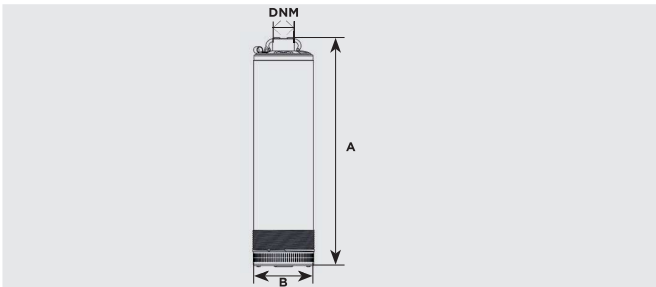
The performance data holds true for liquids:
 $p = 1,0 \text{ kg/dm}^3$ density and a $v = 1 \text{ mm}^2/\text{s}$ viscosity.

Tabella materiali / Materials table:

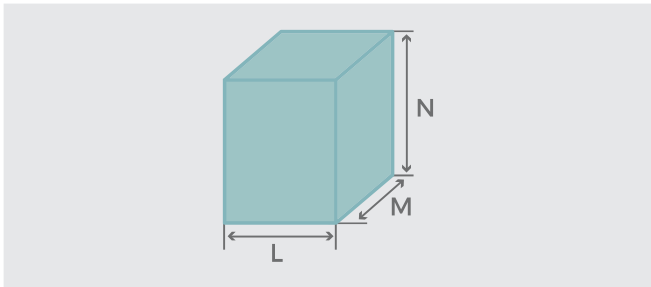
	Pos.	COMPONENTI COMPONENTS.	MATERIALE MATERIALS
	A	Cassa esterna External housing	Acciaio inox Stainless steel
	B	Scudo superiore Upper support	Tecnopolimero Technopolymer
	C	Flangia Superiore Upper flange	Tecnopolimero Technopolymer
	D	Cassa motore Motor housing	Acciaio inox Stainless steel AISI304
	E	Albero Shaft	Acciaio inox Stainless steel
	F	O-ring	NBR
	G	Flangia inferiore Lower flange	Ghisa con trattamento di cataforesi Cast iron with cathaphoresis treatment
	H	Tenuta meccanica Mechanical seal	Grafite allumina Graphite - allumina
	I	Piattello diffusore Diffuser plate	Tecnopolimero Technopolymer
	L	Diffusore Diffuser	Tecnopolimero Technopolymer
	M	Girante Impeller	Tecnopolimero Technopolymer
	N	Anello di centraggio	Tecnopolimero Technopolymer
	O	Base d'aspirazione Suction base	Acciaio inox AISI304 Stainless steel



		DATI ELETTRICI - ELECTRICAL DATA									DATI IDRAULICI - HYDRAULIC DATA											
Codice	Modello	Phase	Volt	Hz	P ass.	I ass.	P nom.	Capacitor		m3/h	0	0,6	1,2	1,8	2,4	3	3,6	4,2	4,8	5,4	6	
Code	Model				kW	A	kW	HP	µF	VC	l/min.	0	10	20	30	40	50	60	70	80	90	100
RED.RXY0800	ROXY-R 80 M AUT	1 ~	230	50	0,85	3,5	0,6	0,8	16	450	H (m)	34,5	33	31	28,5	25	31,5	18	1	49,5	4	-
RED.RXY1000	ROXY-R 100 M AUT	1 ~	230	50	1,2	5,7	0,75	1	25	450		50,5	49	47	44	40	36	31	26	20	12,5	4
RED.RXY1200	ROXY-R 120 M AUT	1 ~	230	50	1,35	6	0,9	1,2	25	450		61,5	59,5	56,5	52,5	48	43	37,5	31,5	24	15	4
RED.RXY1400	ROXY-R 140 M AUT	1 ~	230	50	1,6	7,2	1,03	1,4	30	450		75	72	68,5	64	58,5	52,5	45,5	38	29	17,5	4
RED.RXY1600	ROXY-R 160 M AUT	1 ~	230	50	1,8	8	1,2	1,6	30	450		85	83,5	79	73	67	59,5	51,5	42	32,5	20,5	5

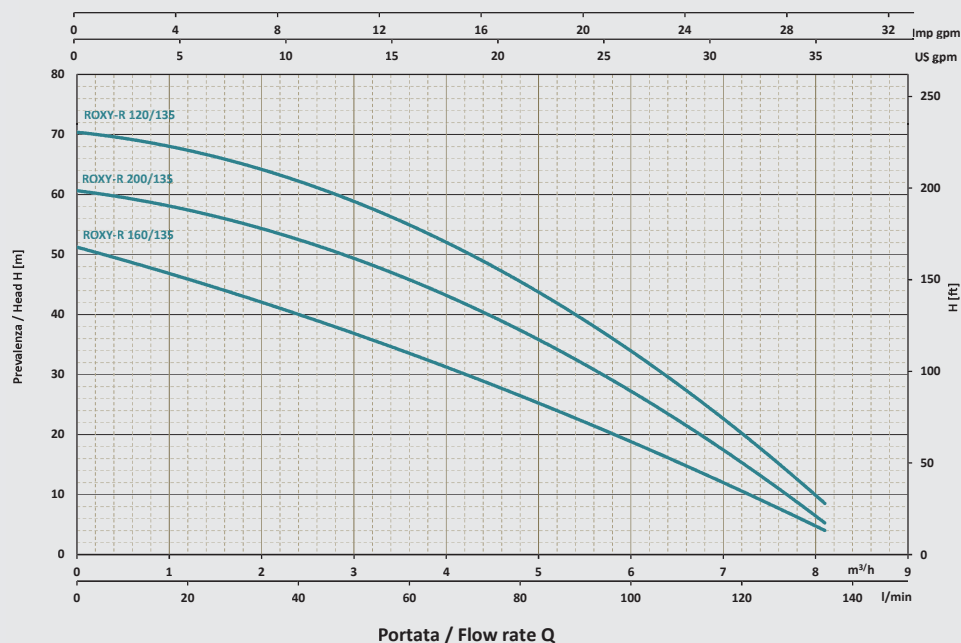


MODELLO MODEL	DIMENSIONI POMPA IN mm PUMP DIMENSION IN mm		
	DNM	A	B
ROXY-R 80	1"1/4	410	127
ROXY-R 100	1"1/4	465	127
ROXY-R 120	1"1/4	490	127
ROXY-R 140	1"1/4	540	127
ROXY-R 160	1"1/4	560	127

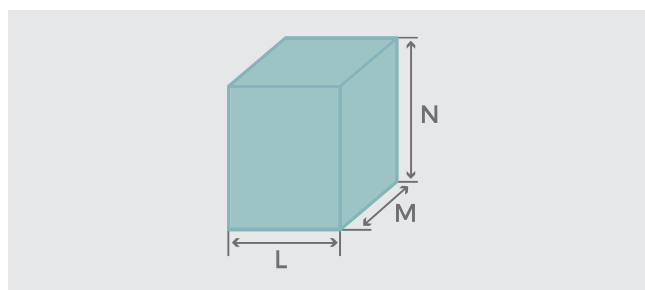
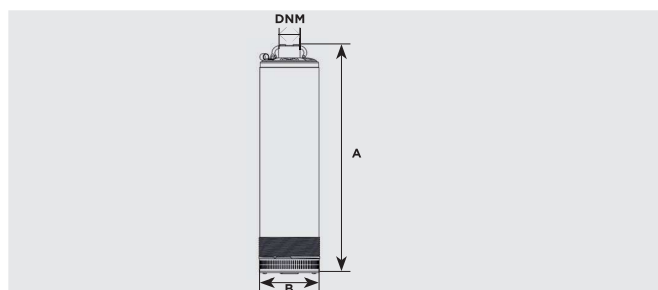


MODELLO MODEL	DIMENSIONI SCATOLA PACKING DIMENSION			
	L mm	M mm	N mm	Peso Weight kg
ROXY-R 80	225	660	190	11,0
ROXY-R 100	225	660	190	13,0
ROXY-R 120	225	660	190	14,0
ROXY-R 140	225	660	190	14,5
ROXY-R 160	225	660	190	15,0

Prestazioni / Performance Data 50Hz

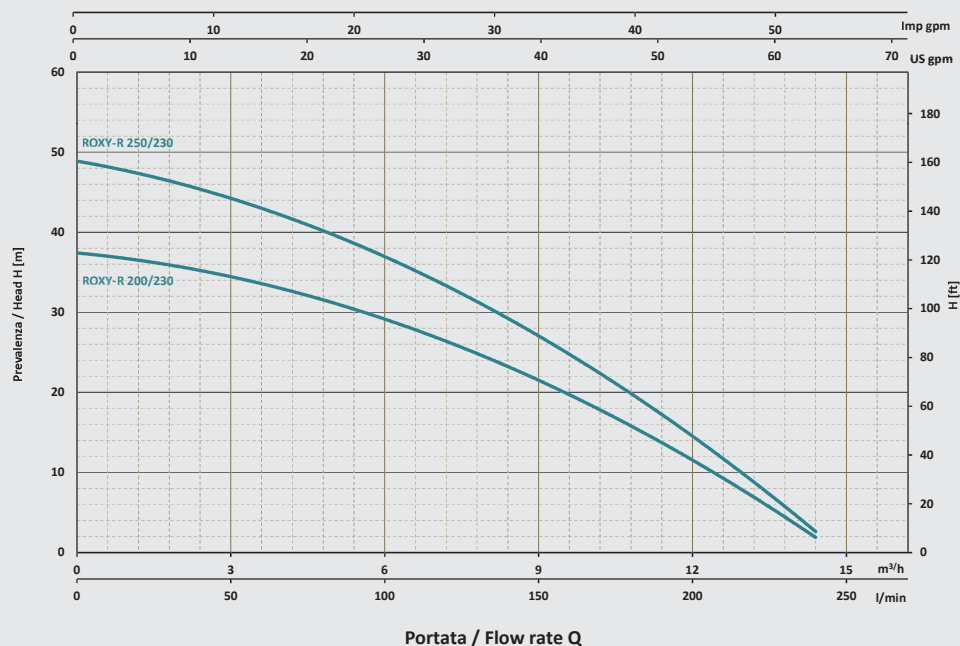


		DATI ELETTRICI - ELECTRICAL DATA										DATI IDRAULICI - HYDRAULIC DATA									
Codice	Modello	Phase	Volt	Hz	P ass.	I ass.	P nom.	Capacitor			m³/h	0	1,2	2,4	3	3,6	4,8	6	7,2	8,1	
Code	Model				kW	A	kW	HP	µF	VC	l/min.	0	20	40	50	60	80	100	120	135	
RED.RXY1200/135	ROXY-R 120/135 M AUT	1 ~	230	50	1,6	7,2	0,9	1,2	20	450		50,5	46	41	37,5	34	26	17	10,5	5	
RED.RXY1600/135	ROXY-R 160/135 M AUT	1 ~	230	50	1,9	8,2	1,2	1,6	25	450	H (m)	60,5	57,5	53	49	46	37	27	16	5	
RED.RXY2000/135	ROXY-R 200/135 M AUT	1 ~	230	50	2,2	9,5	1,5	2	30	450		71,5	67	62	57,5	54	45	36	24	5	

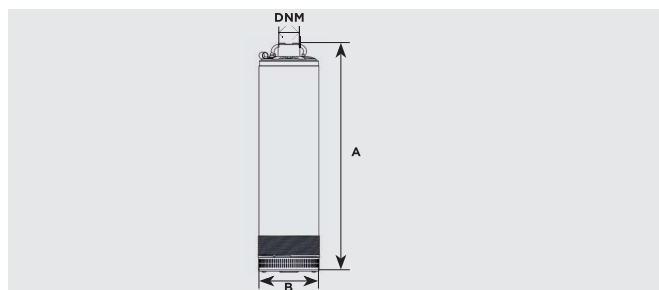


MODELLO MODEL	DIMENSIONI POMPA IN mm PUMP DIMENSION IN mm			MODELLO MODEL	DIMENSIONI SCATOLA PACKING DIMENSION			Peso Weight kg
	DNM	A	B		L mm	M mm	N mm	
ROXY-R 200/135 M AUT	1"1/4	490	127	ROXY-R 200/135 M AUT	225	660	190	14,0
ROXY-R 120/135 M AUT	1"1/4	540	127	ROXY-R 120/135 M AUT	225	660	190	15,0
ROXY-R 160/135 M AUT	1"1/4	560	127	ROXY-R 160/135 M AUT	225	660	190	16,0

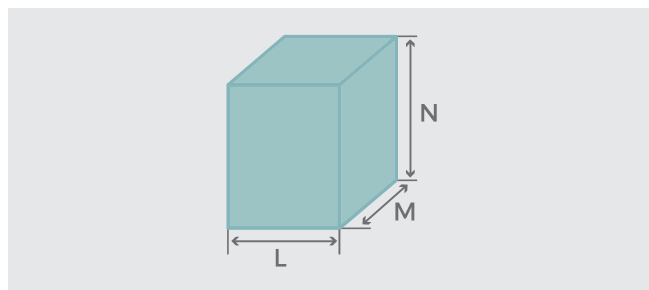
Prestazioni / Performance Data 50Hz



		DATI ELETTRICI - ELECTRICAL DATA									DATI IDRAULICI - HYDRAULIC DATA										
Codice	Modello	Phase	Volt	Hz	P ass.	I ass.	P nom.		Capacitor		m³/h	0	1,2	2,4	3,6	4,8	6	7,2	9,6	12	14,4
Code	Model				kW	A	kW	HP	µF	VC	l/min.	0	20	40	60	80	100	120	160	200	240
RED.RXY2000/230	ROXY-R 200/230 M AUT	1 ~	230	50	2	9,5	1,5	2	30	450	H (m)	38	36,5	34,5	33	31,5	29,5	27	20	11	2
RED.RXY2500/230	ROXY-R 250/230 M AUT	1 ~	230	50	2,6	12,7	1,85	2,5	40	450		50	47	44,5	42,5	40	37	33,5	25,5	15	2



MODELLO MODEL	DIMENSIONI POMPA IN mm PUMP DIMENSION IN mm		
	DNM	A	B
ROXY-R 200/230 M AUT	2"	580	127
ROXY-R 250/230 M AUT	2"	580	127



MODELLO MODEL	DIMENSIONI SCATOLA PACKING DIMENSION				Peso Weight kg
	L mm	M mm	N mm		
ROXY-R 200/230 M AUT	225	660	190		15,0
ROXY-R 250/230 M AUT	225	660	190		16,0