

Fiche produit Motralec Arven Mudiger English - fiche technique | Motralec

■ **DEMANDE DE PRIX RAPIDE** : <https://www.motralec.com/demandeContact>

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Elettropompe sommergibili

MUDIGER®



Elettropompe sommergibili per acque cariche e fangose
Submersible electric pumps for wastewater and mud

Prevalenza: 10,0 mt ÷ 32,0 mt
Portata: 54,0 m³/h ÷ 90,0 m³/h
Pot. assorbita: 1,65 kW ÷ 8,9 kW

Applicazioni

- Movimentazione di acque cariche contenenti materiali abrasivi.
- Pompaggio di acque luride con corpi solidi in sospensione.
- Pompaggio di liquidi con elevate densità.

Pump head: 10,0 mt ÷ 32,0 mt
Delivery: 54,0 m³/h ÷ 90,0 m³/h
Power: 1,65 kW ÷ 8,9 kW

Applications

- Handling of moderately foul water with material and abrasive material contents.
- Pump out of lavatory/foul water with possible floating solids contents.
- Handling liquids with high densities.

CARATTERISTICHE DI COSTRUZIONE	DESIGN ENGINEERING
• Motore a bagno d'olio per raffreddamento e lubrificazione cuscinetti. • Doppia tenuta meccanica: Lato motore a bagno d'olio Lato pompa a bagno d'acqua • Curva di potenza non sovraccaricante • Passaggio solidi: - 2P50 - Ø50mm - 4P50 - Ø72mm - 4P72 - Ø72mm • Immersione massima: mt. 20. • Grado di protezione IP 68. • Classe di isolamento: F. • Versioni: Trifase: 230V/50Hz e 400V/50Hz. • Cavo standard: 10 metri H07RN-F.	• Oil bath motor for cooling and bearing lubrication. • Double mechanical seals: Engine face oil bath Pump face water bath • Non overloading power curve. • Solids handling: -2P50 - Ø50mm -4P50 - Ø50mm -4P72 - Ø72mm • Permissible draught of water: 20 m. • IP 68 protection class. • Class F insulation • Versions: Single Three-Phase: 230V/50Hz and 400V/50Hz. • Standard cable features: 10 meters H07RN-F.

Speciali voltaggi e frequenze a richiesta.

Customised voltage and frequency rating available on demand.

Accessori disponibili a richiesta:

- Quadro elettrico trifase di protezione:
 - Comando galleggiante elettromeccanico.
 - Comando sensore presenza acqua in camera tenuta meccanica.
 - Comando sensori termici indipendenti protezione motore.

Accessories available on demand:

- Three phases electrical safety power supply:
 - Electromechanical float control.
 - Control of water presence sensor in mechanical seal chamber.
 - Control of independent thermal sensors for motor protection.

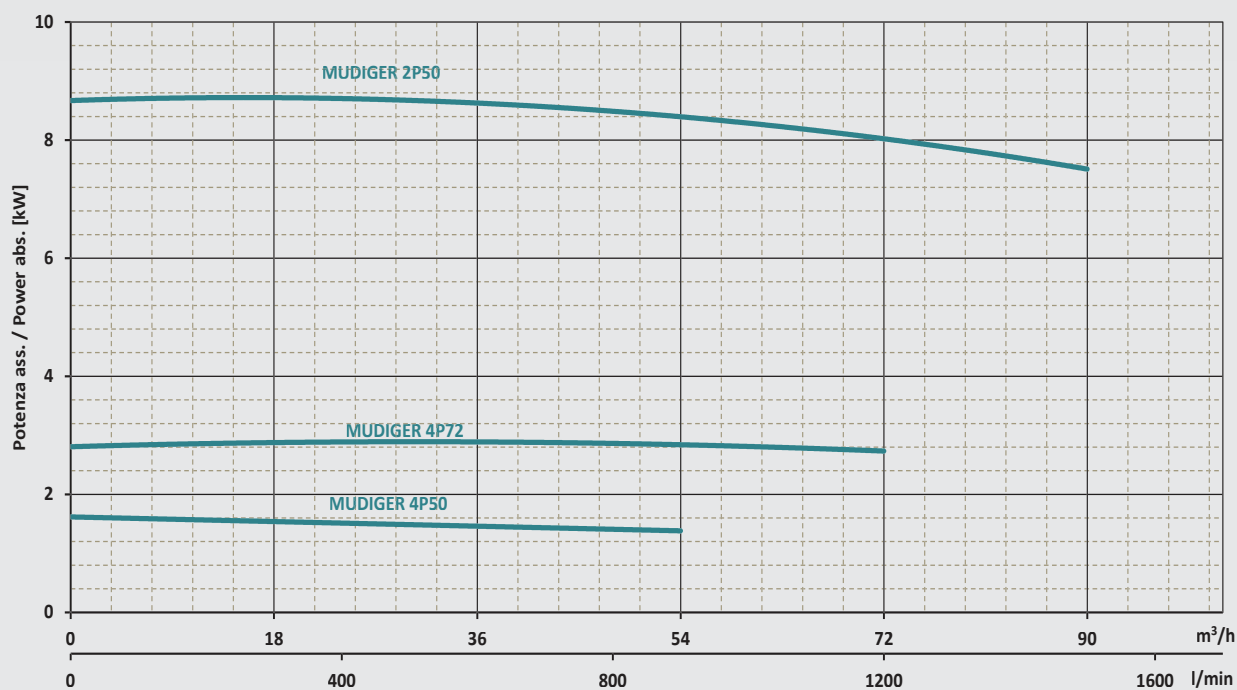
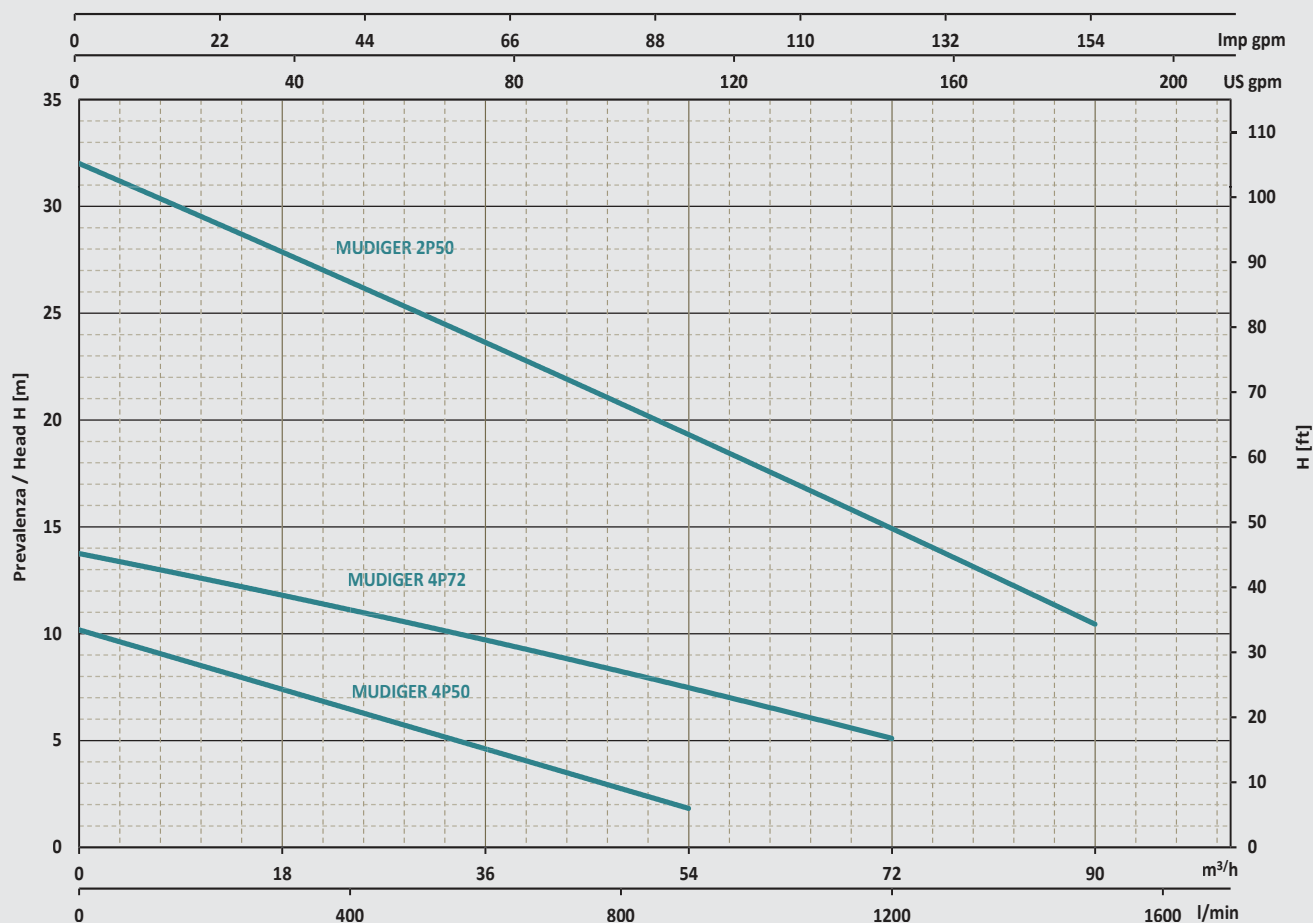
TABELLA MATERIALI - MATERIALS TABLE

The diagram shows an exploded view of a pump assembly. The components are labeled as follows:

- A**: Coperchio (Cover) - A black plastic cover with a handle.
- B**: Cassa motore (Motor housing) - A black plastic housing for the motor.
- C**: Albero (Shaft) - A metal shaft with a mechanical seal.
- D**: Corpo pompa (Pump body) - A black plastic pump body.
- E**: Tenuta meccanica (Mechanical seal) - A mechanical seal assembly.
- F**: Piattello tenuta meccanica (Mechanical seal plate) - A black plastic seal plate.
- H**: Girante (Impeller) - A black plastic impeller.
- I**: Diffusore (Diffuser) - A black plastic diffuser.
- L**: Base d'aspirazione (Suction base) - A black plastic suction base.

Pos.	COMPONENTI COMPONENTS	MATERIALE MATERIALS
A	Coperchio Cover	Ghisa (G20) Cast iron
B	Cassa motore Motor housing	Ghisa (G20) Cast iron
C	Albero Shaft	Acciaio inox aisi 9840 Din 1.6510 Stainless steel
D	Corpo pompa Pump body	Ghisa (G25) Cast iron
E	Tenuta meccanica Mechanical seal	Lato pompa Pump face Carburo di silicio Viton Silicon carbide Viton
		Lato motore Motor face Carburo di silicio Silicon carbide
F	Piattello tenuta meccanica Mechanical seal plate	Ghisa (G25) Cast iron
H	Girante Impeller	Ghisa ad elevata durezza High hardness chrome cast iron (HC version)
		Acciaio inox aisi 316 Din 1.4401 / Stainless steel
I	Diffusore Diffuser	Ghisa ad elevata durezza High hardness cast iron
L	Base d'aspirazione Suction base	Ghisa (G25) Cast iron

Prestazioni / Performance Data 50Hz

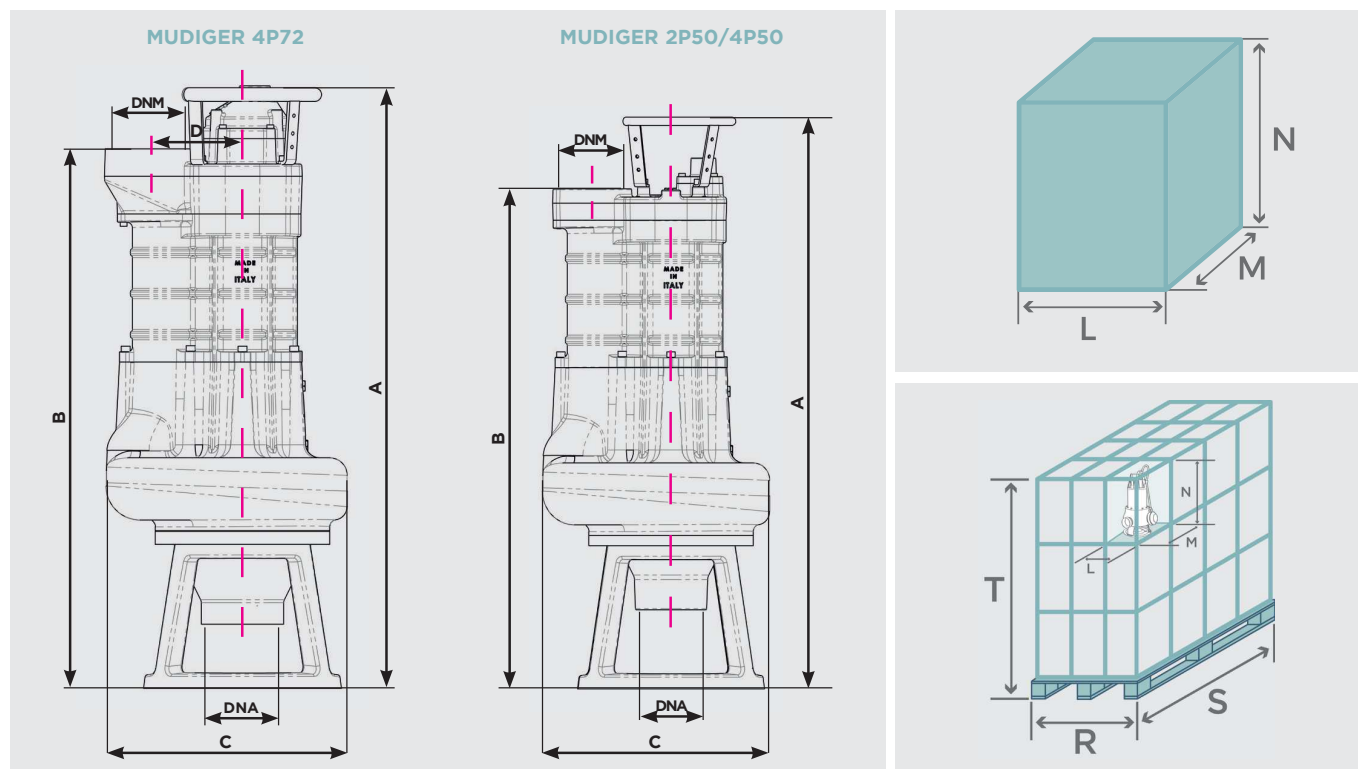


Portata / Flow rate Q

Le prestazioni valgono per liquidi con densità $\rho = 1,0 \text{ kg/dm}^3$ ed una viscosità $\nu = 1 \text{ mm}^2/\text{s}$
 The performance data holds true for liquids with a $\rho = 1,0 \text{ kg/dm}^3$ density and a $\nu = 1 \text{ mm}^2/\text{s}$ viscosity.

Codice	Modello	DATI ELETTRICI ELECTRICAL DATA					DATI IDRAULICI - HYDRAULIC DATA										
		Phase	Volt	Hz	P ass.	I ass.	m3/h	0	9	18	27	36	45	54	63	72	90
Code	Model				kW	A	l/min.	0	150	300	450	600	750	900	1050	1200	1500
MDG2P503	MUDIGER 2P50	3 ~	400	50	8,9	14,7	H (m)	32	30	27,5	26	24	21,5	19	17	15	10,5

4 POLI n=1450 min ⁻¹																	
MDG4P503	MUDIGER 4P50	3 ~	400	50	1,65	4,3	H (m)	10	9	7,5	6	4,5	3	2	-	-	-
MDG4P723	MUDIGER 4P72	3 ~	400	50	3,1	5,8		13,7	12,8	11,9	10,9	9,5	8,5	7,5	6,5	5	-



MODELLO MODEL	DIMENSIONI POMPA PUMP DIMENSION					
	DNA	DNM	A	B	C	D
MUDIGER 2P50	2" 1/2	3"	840	732,5	350	117
MUDIGER 4P50	2" 1/2	3"	840	732,5	350	117
MUDIGER 4P72	3"	4"	880	787	350	134

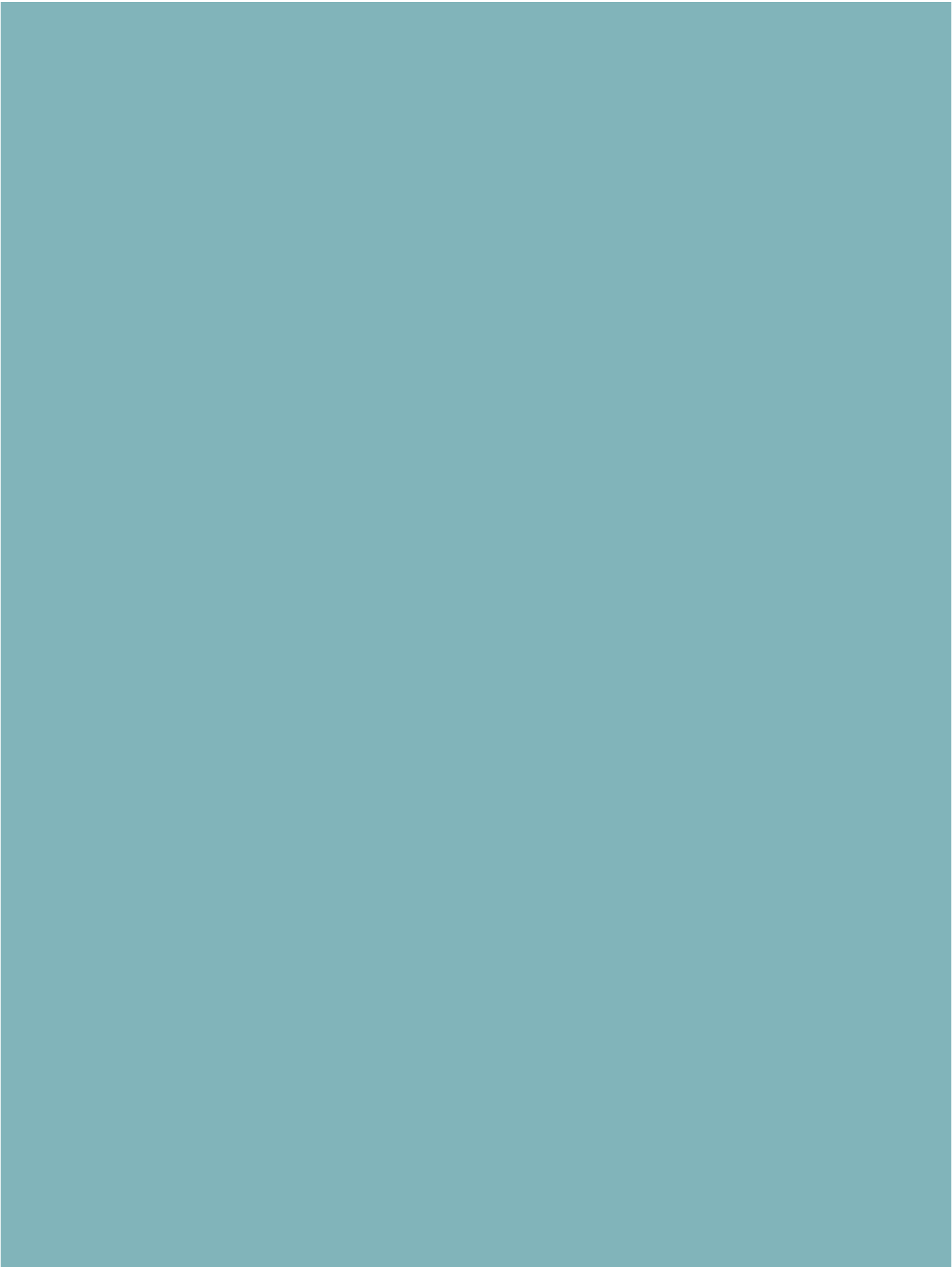
MODELLO MODEL	DIMENSIONI SCATOLA PACKING DIMENSION				DIMENSIONI PALLET PALLET DIMENSIONS				
	L mm	M mm	N mm	Peso Weight kg	R mm	S mm	T mm	NR scatole	PESO Kg
MUDIGER 2P50	1000	450	400	90	800	1000	1350	6	540
MUDIGER 4P50	1000	450	400	86	800	1000	1350	6	516
MUDIGER 4P72	1000	450	400	94	800	1000	1350	6	564

Elettropompe sommergibili ghisa
Submersible electric pumps cast iron
MUDIGER®



Elettropompe Sommers

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Electric Pumps*



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Arven MUDIGER English

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