

50Hz



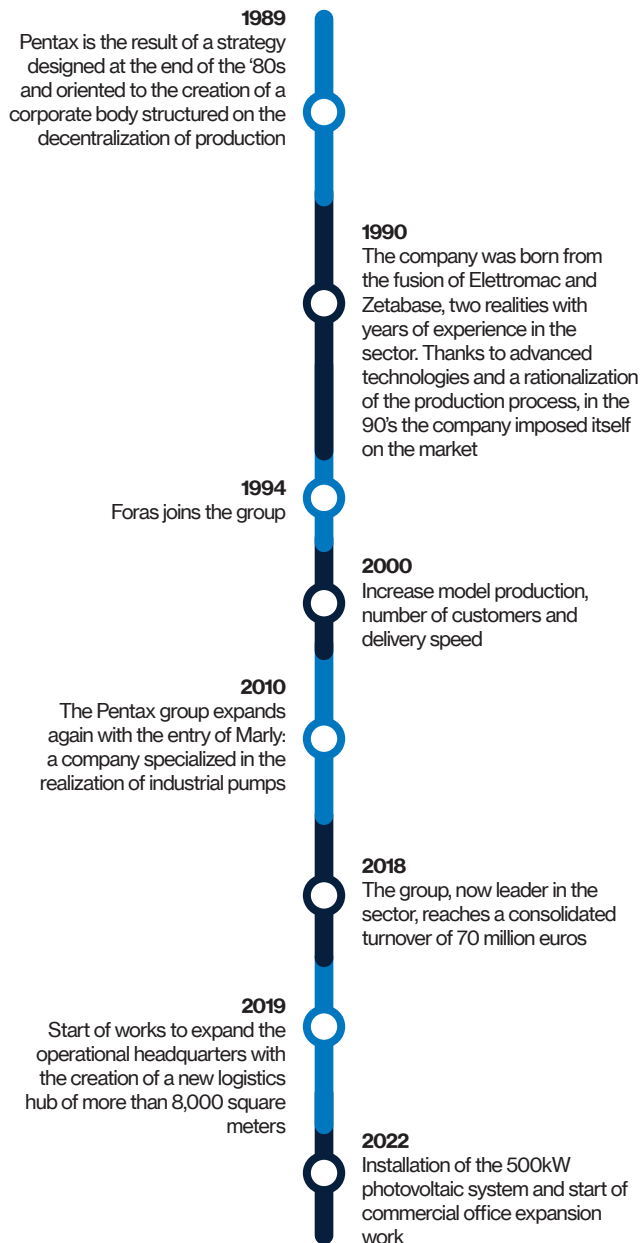
# GENERAL CATALOGUE

[www.pentax-pumps.it](http://www.pentax-pumps.it)



# HISTORY

For many years **Pentax** has held a large share of the world market for motorized pumps. The sales department is constantly working to better serve existing customers and to open up new markets. This is possible thanks to the wide range of products available which allows to cover most of the applications in the pump field. Special attention is also paid to market surveys, so that any new requirements can be immediately transferred to the research and development department: the best way to properly develop and forecast future scenarios.

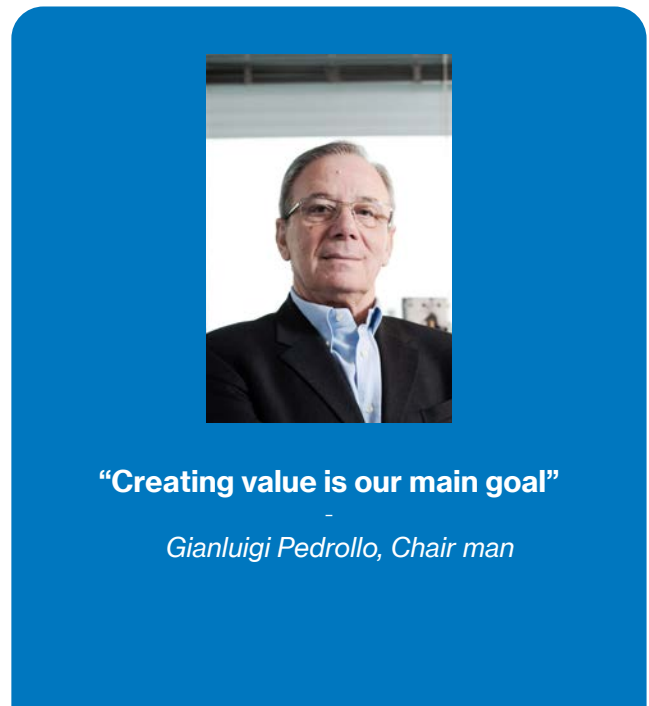


# MISSION

After more than **20 years of activity** we can finally trace the guidelines that have governed and directed the industrial development of **Pentax Industries SpA**. Actions and processes that have intersected with the obvious aim of creating value, benefits to be redistributed to the various components of the production and distribution process.

A rational allocation of available resources, together with a refined program of production decentralization have allowed the company to adapt to changing market conditions, each time with extreme rapidity.

Maximum attention to the markets, therefore, with the commitment to respond in real time to the specific needs of the different markets, paying particular attention to technological progress. All this in the perspective of a careful policy for **customer satisfaction**.



**“Creating value is our main goal”**

*Gianluigi Pedrollo, Chair man*

# VALUES



## Reliability

Choosing Pentax means choosing safety at every stage

## Quality

Where there is control, there is reliability: the basis for success

## Speed

Impeccable delivery time

## Flexibility

Pentax studies each case thoroughly, identifies the best solution and then takes action with security

## Variety

The best service: a wide range of Pentax products, one for every need



# OFFICIAL JOURNAL OF THE EUROPEAN UNION

## Regulation UE 547/2012

### ANNEX II

«The benchmark for most efficient water pumps is  $MEI \geq 0,70$ ».

«The efficiency of a pump with a trimmed impeller is usually lower than that of a pump with the full impeller diameter. The trimming of the impeller will adapt the pump to a fixed duty point, leading to reduced energy consumption. The minimum efficiency index (MEI) is based on the full impeller diameter».

«The operation of this water pump with variable duty points may be more efficient and economic when controlled, for example, by the use of a variable speed drive that matches the pump duty to the system».

Information on benchmark efficiency is available at:

[www.europump.org/efficiencycharts](http://www.europump.org/efficiencycharts).





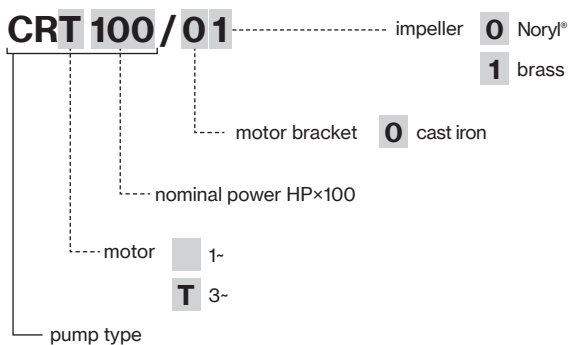
Medium delivery centrifugal pumps for agricultural applications. Equipped with an open impeller that allows the pumping of non-clean liquids, guaranteeing the free passage of small solids (Ø max. 10 mm).

### Construction features

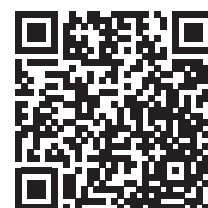
<b>Pump body</b>	cast iron
<b>Motor bracket</b>	cast iron
<b>Impeller</b>	Noryl® or brass
<b>Mechanical seal</b>	ceramic-graphite-NBR
<b>Motor shaft</b>	stainless steel AISI 416
<b>Liquid temperature</b>	Noryl® impeller: 0 - 50 °C brass impeller: 0 - 90 °C
<b>Operating pressure</b>	max 6 bar

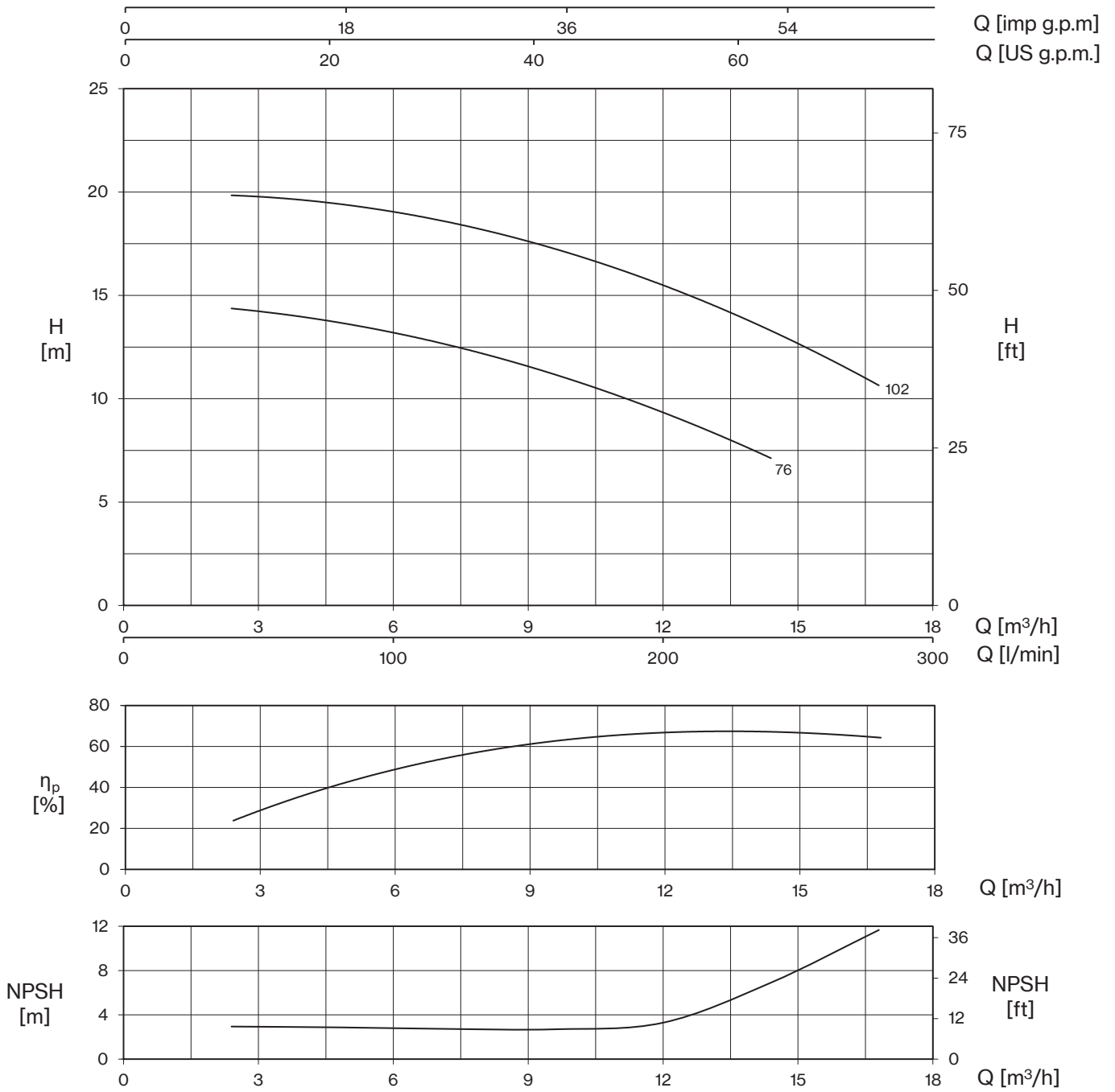
### Motor

	3~ 230/400V - 50Hz
<b>2 Poles induction motor</b>	1~ 230V - 50Hz (with thermal protection)
<b>Insulation class</b>	F
<b>Protection degree</b>	IPX4



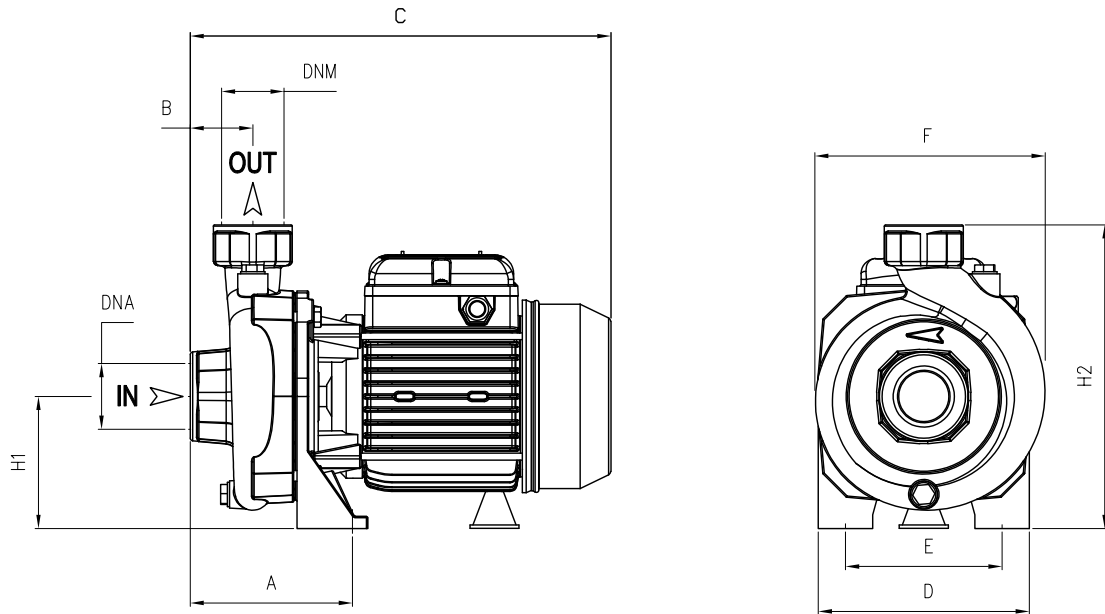
TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
<b>CR</b>	85×110×145	65	85×110×195	91







TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)						
1~	3~					1~	3~	0	3	6	9	12	14,4	16,8
		0	50	100	150			200	240	280				
		HP	kW	1~	3~	1~ 230V 50 Hz	3~ 400V 50 Hz	H (m)						
CR 76	CRT 76	0,8	0,59	0,73	0,83	3,4	1,5	15,0	14,3	13,0	11,6	9,5	7,0	
CR 102	CRT 102	1	0,74	1,14	1,2	5,3	2,4	20,5	19,8	18,9	17,7	15,5	13,5	10,5

# CR



TYPE	DIMENSIONS (mm)													
	A	B	C	D	E	F	H1	H2	DNA	DNM	I	L	M	
CR 76	120	45	308	155	115	170	97	222			325	200	265	13
CR 102	120	45	308	155	115	170	97	222	1" 1/2 G	1" 1/2 G	325	200	265	14

