



# Circulating Pump

## OPERATING DATA REQUIRED

Flow	0 l/min	Viscosity	1,005 mm <sup>2</sup> /s
Head	0 m	Kin. viscosity	1,0033 mPa s
Fluid	Cold water	Vapor pressure	0,02337 bar
Temperature	20 °C		
Dens i t y	998,3 kg/m <sup>3</sup>		

## CENTRIFUGAL ELECTRIC PUMPS ONE IMPELLER The close-coupled

centrifugal electric pumps with one impeller series KX have been designed to pump clear liquids, without abrasives and suspended solids, non-explosive or aggressive for the pump's materials.

- Liquid temperature not higher than 35 °C for domestic use (CEI EN 60335-2-41) or 90 °C for other use, while the ambient temperature must not be higher than 40 °C
- Flow rate up to ~ 6 m<sup>3</sup>/h.
- Heads up to ~ 30 m.

		<b>SEA LAND S.r.l.</b> (PD) ITALY www.sea-land.it		 MADE IN ITALY	
Type		%		∅	
H (rif.5)	m	Q (rif.5)		l/1'	
Hmin (rif.11)	m	Hmax (rif.6)	m	≥	
P2 (rif.2)	HP	(rif.2)	kW	(rif.1)	A
~ (rif.1)	V	Hz	η	%	
(rif.3)	μF	V	IP (rif.9)	P1 (rif.4)	W
S/N		Ins.Cl.(rif.8)		Rpm	
T. MAX FLUID.	°C	(rif.7)	kg	∇	m
Servizio continuo		Continuous duty			

## GENERAL DESCRIPTION

Voltage = V...(ref. 1), Power = HP or KW... (ref. 2), Input power = [W]...(ref. 4), Capacitor = μF...(ref. 3), Input current = A... (ref. 1), Rate of flow = l/1'...(ref. 5), Head = m...(ref. 5), Weight and dimensions = kg... (ref.7), Insulation Class = ...(ref. 8), Protected to = IP...(ref. 9)

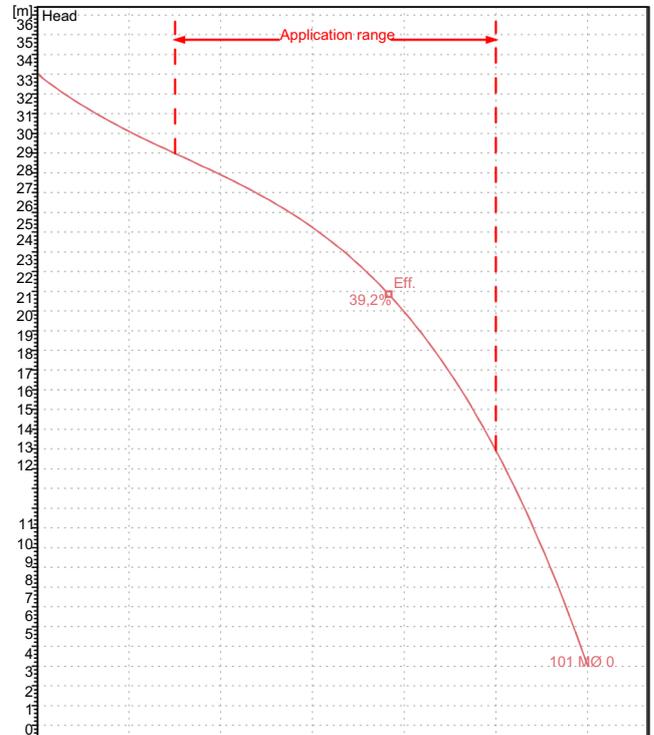
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Tolerance of curves to ISO 9906 - grade 3B

Guarantee point = Best Efficiency Point:  $Q_t: B EP=76,8 \text{ l/min}$   $HBEP=22,8 \text{ m}$

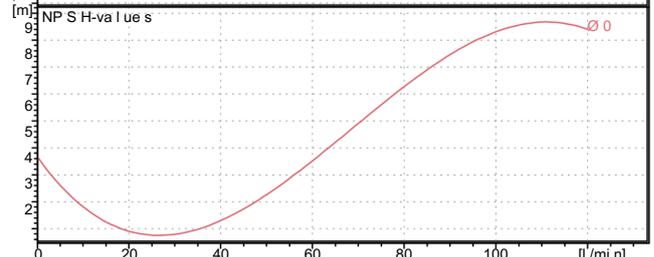
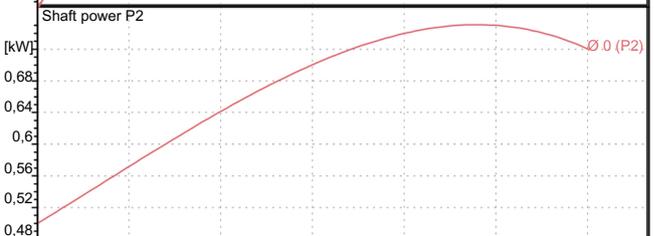
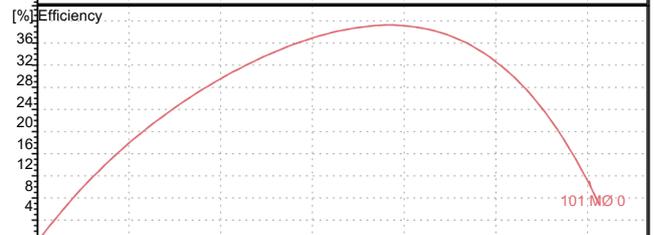


TECHNICAL FEATURES

- Pump body: cast iron G20 with anti-corrosive coating
- Motor bracket: cast iron G20 with anti-corrosive coating
- Impeller: stainless steel AISI 304
- Pump shaft: stainless steel AISI 304
- Mechanical seal: carbon-ceramics

MOTOR

- The control motors are asynchronous, squirrel cage-type, closed, with external ventilation
- Incorporated motor protection and capacitor always on, for single-phase models
  - The motor protection for three-phase models must be installed by the customer. Equipment compliant with current standards should be used
  - Class of insulation: F
  - Service: S1
  - Degree of protection: IP 44
  - Terminal board protection: IP 54

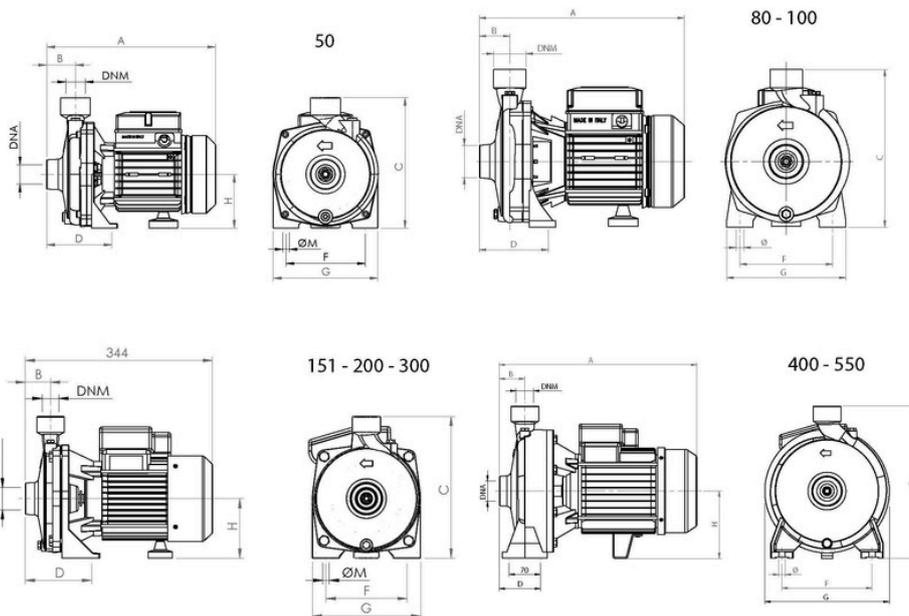


		<b>SEA LAND S.r.l.</b> (PD) ITALY www.sea-land.it				MADE IN ITALY	
Type	KX 101 M			39,2 %		Ø	
H	15-30	m	Q100 l/min	-30 l/min			
Hmin	10	m	Hmax	34	m	≥	
P2	○	HP		kW	5.1	○	A
	1~	230	V	50	Hz	h	%
	20	µ F	45V0	IP44	P1	1,15	W
S/N			Ins.Cl.	F	2900	RPM	
T. MAX FLUID.	35 °C		12,5	kg	-	m	
Servizio continuo		Continuous duty					



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TIPO TYPE	DIMENSIONI [mm] DIMENSIONS [mm]										IMBALLO [mm] PACKING [mm]			PESO WEIGHT [kg]			
	A	B	C	D	E	F	G	Ø	H	H1	DNA	DNM	A		L	P	
KX 101 M	265	45	206	103		124	164	9	85			1"	1"	170	300	250	12,5

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