

MADE IN ITALY

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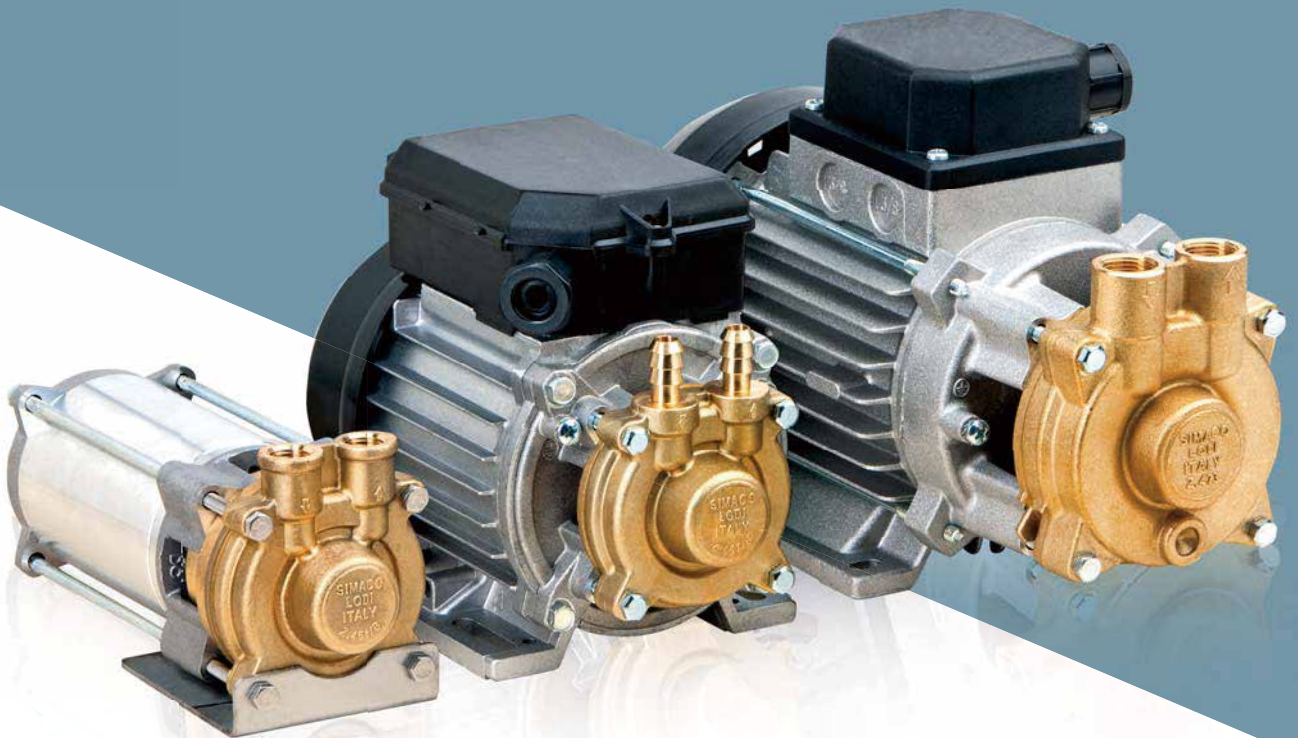
www.dzump.co.kr



KN

REGENERATIVE TURBINE ELECTRIC PUMPS

P514
07/2017



CUTTING AND WELDING

simaco ELETTROMECCANICA 

Fluid Moving Technology
www.simacosrl.it



Duzone systems Co., Ltd.

키워드 : 더존펌프

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The best answer to welding

High efficiency motors with IE3 Standards
- Low starting torque

High pressures with low flow - Long life-time

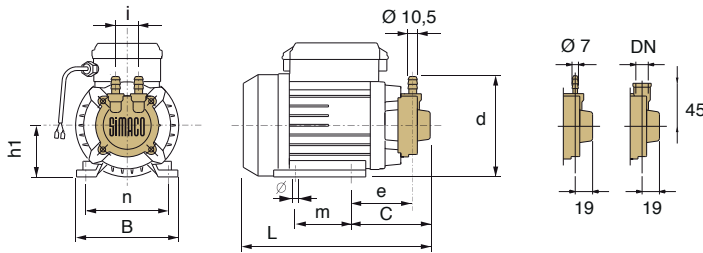


NEW | Innovation
: magnetic drive

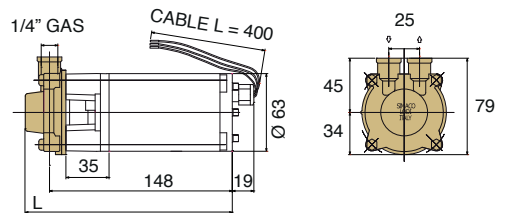
Brass or polymer

DIMENSIONS

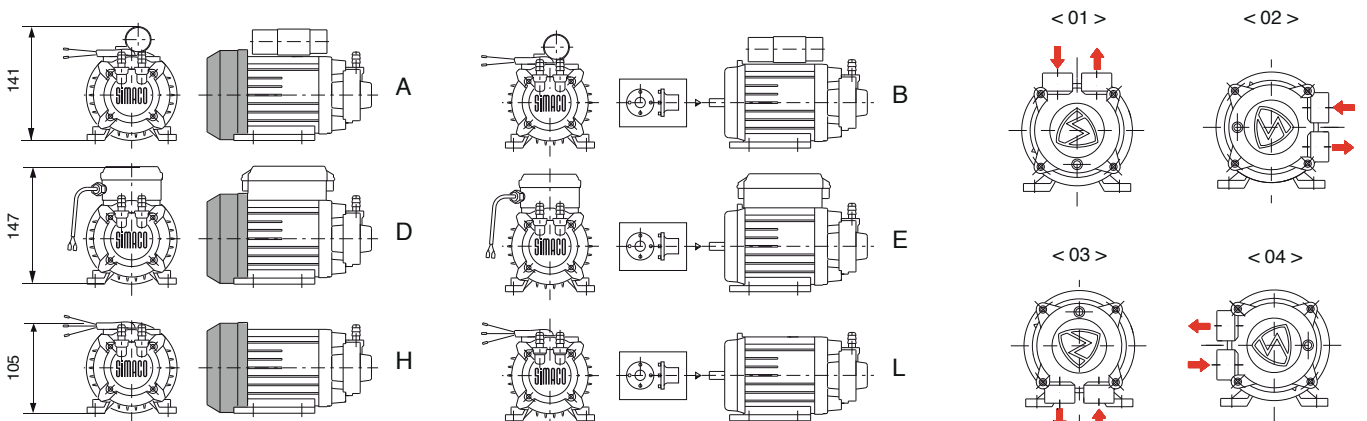
KN37 MD _ KN37 _ KNP 37 _ KN45



KN37 MD DC24V _ KN37 DC24V



EXECUTIONS



REGENERATIVE TURBINE ELECTRIC PUMPS FOR CUTTING AND WELDING

Surface electric pumps, in brass or polymer, specifically designed for welding and cutting applications, essential in MIG, TIG and PLASMA cooling units.

Besides the wide range of mechanical seal selection, responding to needs of welding and cutting industry, SIMACO introduces the magnetic driven execution which virtually reduces leakages to zero allowing maintenance-free operation.

Pumps are available with induction alternated current motor (AC) or direct current sensorless Brush-less motor (DC). Accessories such as heat-exchanger, flow switches and tanks complete the KN range (see catalogue P610).

TYPE		P1 (kW)	P2 (kW)		50/60 Hz DUAL	OUTLETS			MATERIALS			DIMENSIONS mm									Kg
3 phase	1 phase		50 Hz 2800 rpm	60 Hz 3300 rpm		YES NO	Ø 10,5	Ø7	DN	CASING	IMPELLER	SHAFT	L	B	d	n	m	i	e	C	

NEW _ MAGNETIC DRIVE PUMPS

KN37 MD		–	0,16	0,21	YES	√	√	1/4	CuZn	CuZn	AISI 420	193	110	100	90	60/85	25	48	67	56	3,8	
	KN37 MD	–	0,17	0,24	YES	√	√	1/4	CuZn	CuZn	AISI 420	193	110	100	90	60/85	25	48	67	56	3,8	
KN37 MD DC-24V		0,17	–	–	–	√	√	1/4	CuZn	CvuZn	AISI 420/AISI 316*	197	vedere disegno – see drawing									2,4

MECHANICAL SEALS PUMPS

KN37		–	0,14	0,19	YES	√	√	1/4	CuZn	CuZn	AISI 420	185	110	100	90	60/85	25	38	59	56	3,8	
	KN37	–	0,15	0,22	YES	√	√	1/4	CuZn	CuZn	AISI 420	185	110	100	90	60/85	25	38	59	56	3,8	
KNP37		–	0,14	0,19	YES	–	–	1/4	PPS	PEEK	AISI 420	185	110	100	90	60/85	25	38	59	56	3,8	
	KNP37	–	0,15	0,22	YES	–	–	1/4	PPS	PEEK	AISI 420	185	110	100	90	60/85	25	38	59	56	3,8	
KN45		–	0,45	0,68	YES	–	–	3/8	CuZn	CuZn	AISI 420	247	120	120	100	80	30	81	100	63	6,4	
	KN45	–	0,45	0,68	YES	–	–	3/8	CuZn	CuZn	AISI 420	247	120	120	100	80	30	81	100	63	6,4	
KN37 DC-24V		0,17	–	–	–	√	√	1/4	CuZn	CuZn	AISI 420/AISI 316*	187	vedere disegno – see drawing									2,4
KNP37 DC-24V		0,17	–	–	–	–	–	1/4	PPS	CuZn	AISI 420	187	vedere disegno – see drawing									2,2

1ph ~ 230V-50/60Hz | 3ph ~ 230/400V-50Hz - 265/460V-60Hz

① Pump absorbed power ② Working range 2800-3400rpm * On demand

SIMACO reserves the right to make modifications without prior notice.

USES AND APPLICATIONS

- Welding MIG, TIG torch cooling
- Spot welding cooling
- Cutting PLASMA torch cooling
- Laser cutting cooling

CHARACTERISTICS

Continuous duty S1. 2 pole motor. Insulation Class F. Protection IP42 (IP54 on demand).

IE3 efficiency class for 3-phase motors >0.75kW. Working tolerance: +/-10%.

Liquid temperature (with anti-freeze additive): -20°C / +90°C.

Limit ambient temperature: +40°C.

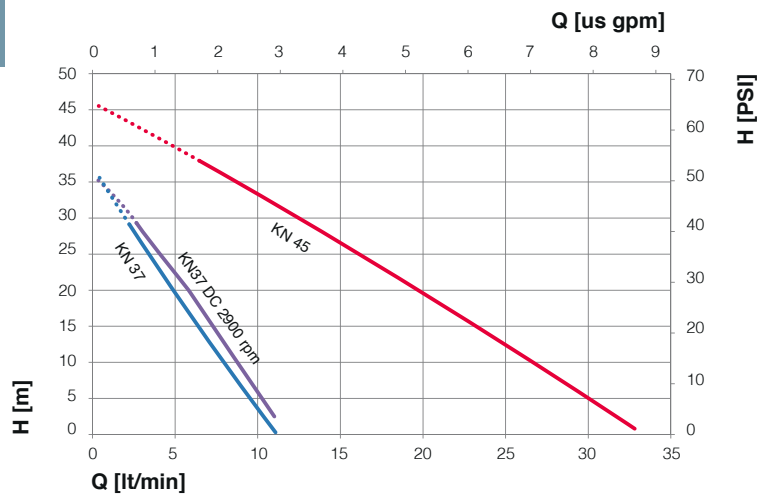
Normal priming, manometer suction up to 5m.

For clear waters and non-aggressive dilutions, without abrasive dilutions, without abrasive substances.

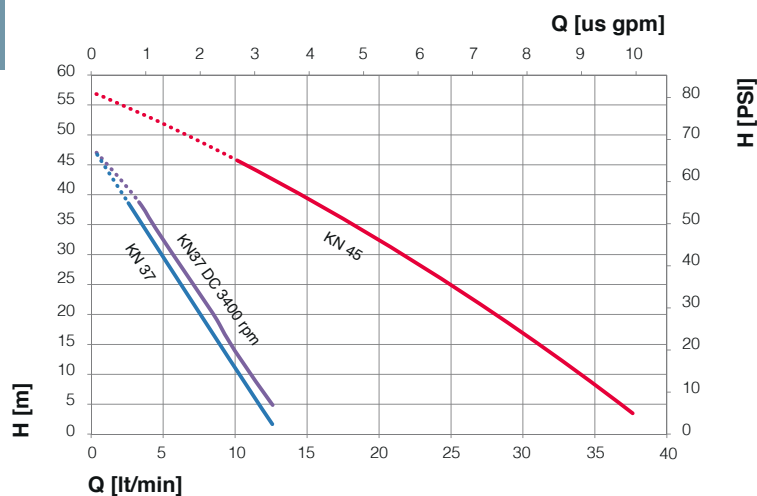
Manufactured in accordance with : EN 60034-1; EN 60034-30; EN 60335-1; En 60335-2-41.

On demand : Special voltages - 60Hz version-Dual-frequency-Special Fluids with temperature <180°C-UL/CSA.

50 Hz



60 Hz



Tolerance according
ISO 9906-2012

Hydraulic characteristics
for water 20°C
at nominal pump speed



Fluid Moving Technology



97, Siheung-daero, Geumcheon-gu, Seoul, 08639, KOREA
Tel. 02-3286-0036~7 Fax. 02-3286-0038
www.dzump.co.kr E-mail. dzs2000@naver.com