

A known name in Iran's vacuum industries

Push vacuum pumps

Catalogue of oil rotary vacuum pumps
S5 0025 - 0040



Vacuum pump S5 Series :

S5 series are single stage rotary oil lubricated vane vacuum pumps. In this series, the pump is based on standard design, air cooled, and direct coupling to gain the best performance of the pump. This oil circulation design is one of the simplest, efficient and most reliable vacuum pumps which is widely used in the

standard part

Unique design

designed according to customer needs

world's biggest industries.

Nominal pumping speed of S5 Series is between 6 to 630 cubic meter per hour , this nominal pumping speed is achievable in two different ultimate pressure:

NA = 0.5 mbar

NC = 20 mbar



Attributes

- ♣ Simple design for easy installation and maintenance (easy service)
- ♣ Air cooled, no need for water
- ♣ Direct coupling of electric motor and vacuum pump
- ♣ Ability to filter (separate) oil from air for 99.9% oil-free exhaust air
- ♣ No need for special oil
- ♣ Low noise performance
- ♣ Safe for the environment

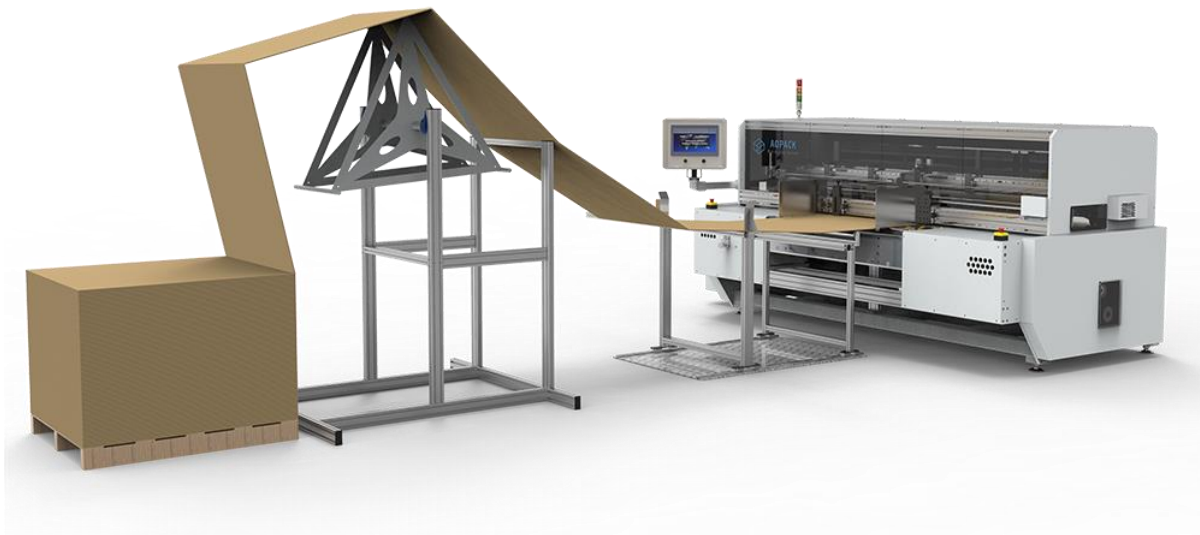
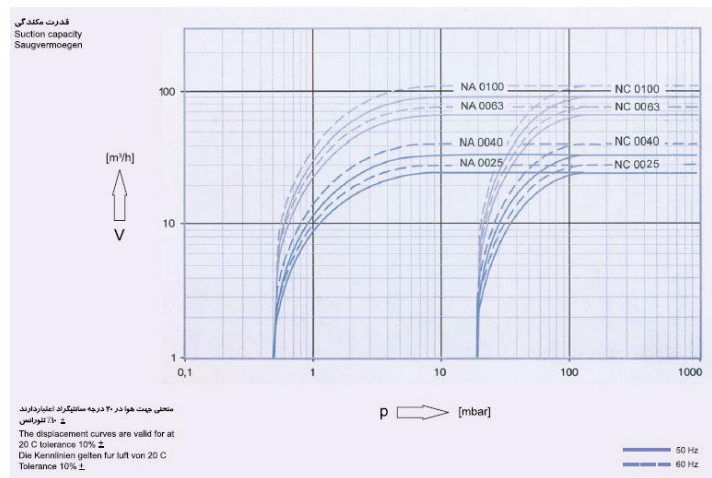


Technical specifications of S5 series (0025 - 0040)

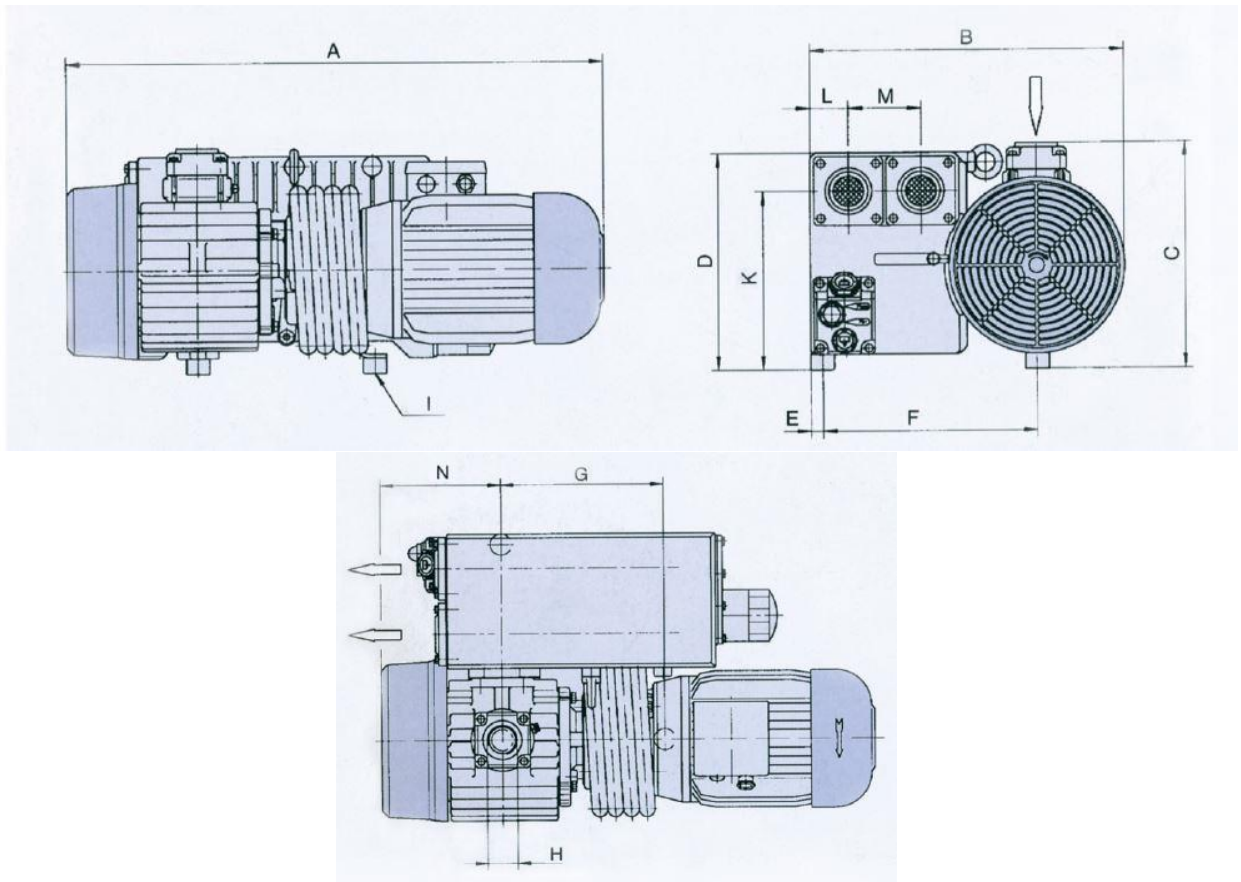
Technical Specification		S5 NA/NC 0040	S5 NA/NC 0025
Nominal pumping Speed	50 Hz m^3/h	40	25
	60 Hz m^3/h	48	30
Ultimate Pressure	mbar	0/5 20	0/5 20
Electric motor power	50 Hz KW	1/1	0/75
	60 Hz KW	1/5	1/1
RPM of the electric motor	50 Hz min^{-1}	1500	1500
	60 Hz min^{-1}	1800	1800
Debbie (voice)	50 Hz db (A)	64	62
	60 Hz db (A)	67	64
Maximum water vapor tolerance	mbar	40	40
Water vapor capacity	l/h	1/1	0/9
Operating temperature	°C	75	75
Amount of oil	L	1	1
Approximate weight	Kg	38	34



Ultimate pressure curve (0025 - 0040)



Dimensions S5 series (0025 – 0040)



N	M	L	K	I	H	G	F	E	D	C	B	A	sizes
151	-	49	211	M8	G1-1/4	184	238	15	261	264	284	610	NA/NC 0040
131	-	49	211	M8	G1-1/4	164	238	15	261	264	284	552	NA/NC 0025



Accessories:

The following accessories can be installed on vacuum pumps:

- Blast gas valve
- Types of input filters
- Special oil for single-stage vacuum pumps
- Vacuum gauge
- Separating filters



Comparison table of oil-coated rotary pumps :

0630	0400	0300	0250	0200	0160	0100	0063	0040	0025	0006	S5 model
630	400	300	250	200	160	100	63	40	25	6	Suction ($\frac{m^3}{h}$) volume
370/8	235/43	176/57	147/14	117/72	94/17	58/86	37/08	23/54	14/71	3/5	CFM
85	83	82	81	80	79	71	70	70	70	62	Maximum sound level (dBA)
15(18/5)	11(15)	7/5	5/5	4-5/5	4	2/2	1/5	1/1	0/75	0/37	phase 3 motor power (HP)
900	900	1500	1500	1500	1500	1500	1500	1500	1500	3000	The number of revolutions of the electric motor (rpm)
30	30	6/60	6/60	6/60	6/60	2/35	2/35	1/32	1/32	0/09	amount of (L) oil
2 ½	2 ½	2	2	2	2	1 ¼	1 ¼	1 ¼	1 ¼	½	Input size (inch)
0/5-20	0/5-20	0/5-20	0/5-20	0/5-20	0/5-20	0/5-20	0/5-20	0/5-20	0/5-20	2	final vacuum (mBar)
0/375- 15	0/375- 15	0/375- 15	0/375- 15	0/375- 15	0/375- 15	0/375- 15	0/375- 15	0/375- 15	0/375- 15	1/5	final vacuum (Torr)
700	525	210	208	190	189	90	79	55	48	13	Approximate weight (Kg)



Uses :

- Oil refining industries
- Casting industries
- Automotive Industry
- Household appliance industries
- Vacuum forming industries
- Composite industries
- Petrochemical Industries
- chemical industry
- Tile and ceramic industries
- Printing and packaging industries
- Medical industry
- Rubber industry
- Hospital and laboratory suction
- Robotic industries
- Wood industry (lamination and membrane)
- Glass making industries
- pharmaceutical Industries
- Sugar refining industries



Certificates of Appreciation



The certificate of the scientific faculty of the Mechanics Research Institute from the Scientific and Industrial Research Organization of Iran in 2010

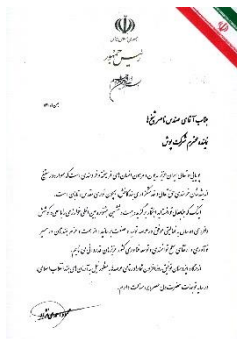


The certificate of winning the third rank of Ebtekar in the 16th International Khwarazmi Festival in 2011





Presidential congratulations to Mr. Seyyed Mohammad Khatami for winning the third place of Ebtekar in the 16th International Khwarazmi Festival of 2013



Congratulations of the presidency, Mr. Mahmoud Ahmadinejad, for winning the selected initiative in the 26th International Khwarazmi Festival of 2013



26TH KHWARIZMI INTERNATIONAL AWARD (KIA) 2013

2ND PRIZE



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pushvacuumpumps



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Obtaining the statue of the 26th International Khwarazmi Festival in 2013



Winning the selected statue in the national production in the 26th International Khwarazmi Festival of 2013

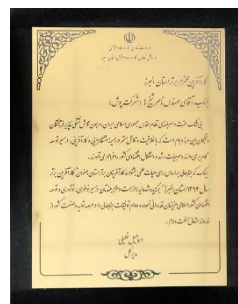




An economic example jihadist from Alborz province in 2013



Plaque of thanks for the 4th National Science Festival and Exhibition in 2013



The best entrepreneur of Alborz province in 2014

Contact us



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