

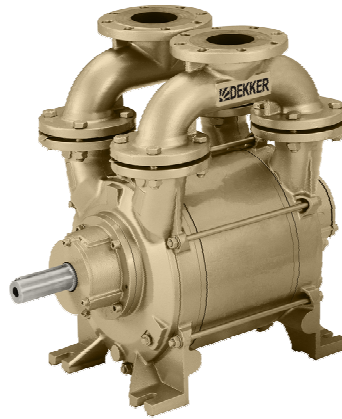
5. SINGLE-STAGE PUMPS

Bare-shaft vacuum pump DV0450B-KA

Introducing the **TITAN** series high efficiency, single-stage liquid ring vacuum pump.

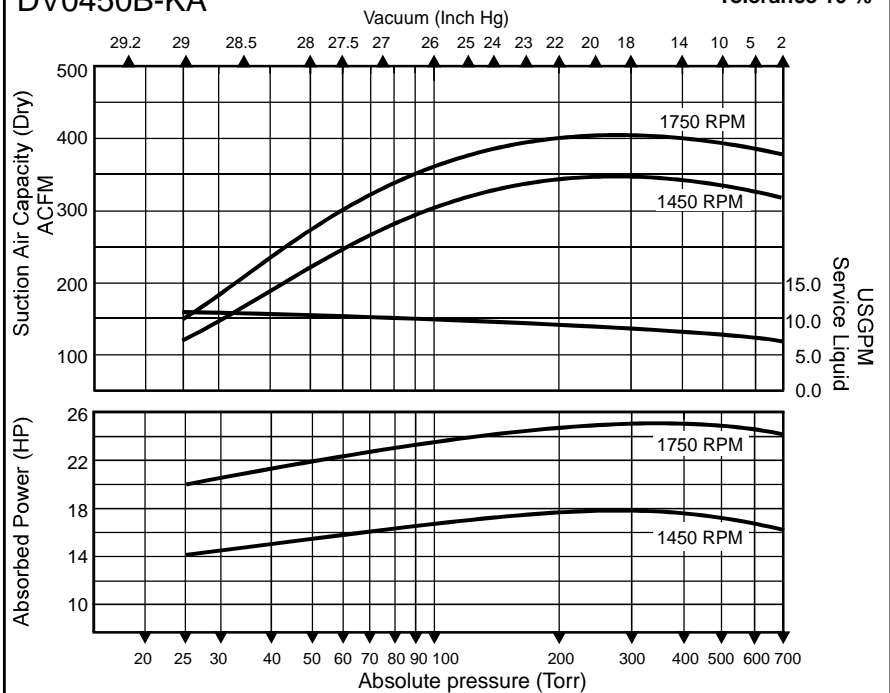
Why should you consider this vacuum pump for your application?

- ◆ Designed for heavy duty applications.
- ◆ Manufactured to ISO 9001 standards.
- ◆ Low operating noise level.
- ◆ Heavy duty bearings mounted external to the pumping chamber.
- ◆ Features single face mechanical seals as standard.
- ◆ Virtually no maintenance is required.
- ◆ Pumps are available in different materials to suit your application.
- ◆ Capable of handling saturated gas mixtures.
- ◆ Capable of handling small amounts of liquids.
- ◆ Only one moving part.
- ◆ Can operate using various seal-fluids.

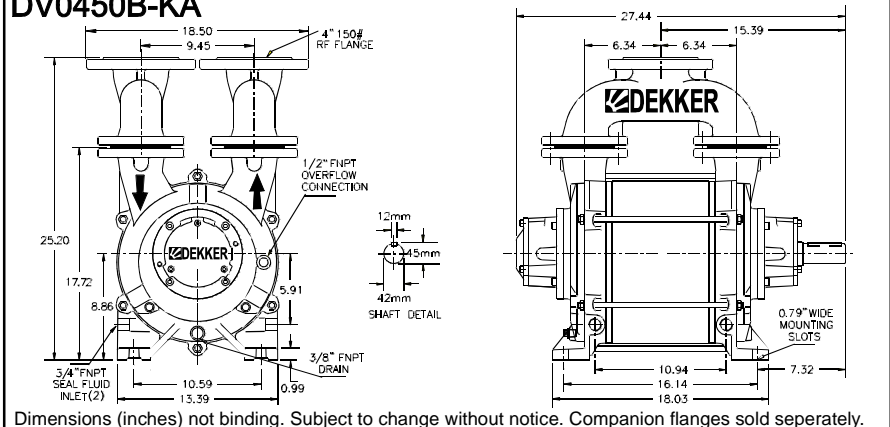


Performance characteristics
 Nominal capacity: 410CFM
 Motor: 60Hz/25HP/18.5kW
 50Hz/20HP/15kW
 Speed(RPM): 60Hz/1750
 50Hz/1450
 Max.vacuum: 29"Hg/25Torr
 Weight (excluding motor): 407Lbs/185kg
 Max. gas inlet temp: 212°F/100°C
 Max.noise level(at 3ft):76 dBA
Performance based on dry air, seal-water temperature 60° F and atmospheric pressure of 29.92"Hg.

DV0450B-KA



DV0450B-KA



Materials of construction/Seal code				
Mat.code	1	2	3	4
Casing	cast iron	cast iron	cast iron	316 SS
Portplate	cast iron	cast iron	cast iron	316 SS
Impeller	DI	bronze	316 SS	316 SS
Shaft	420 SS	420 SS	420 SS	316 SS
Seal code	A*	A*	A*	B*

A= standard mechanical seal with Viton elastomer
 B= standard mechanical seal with Teflon elastomer
 * = other seal materials available upon request.

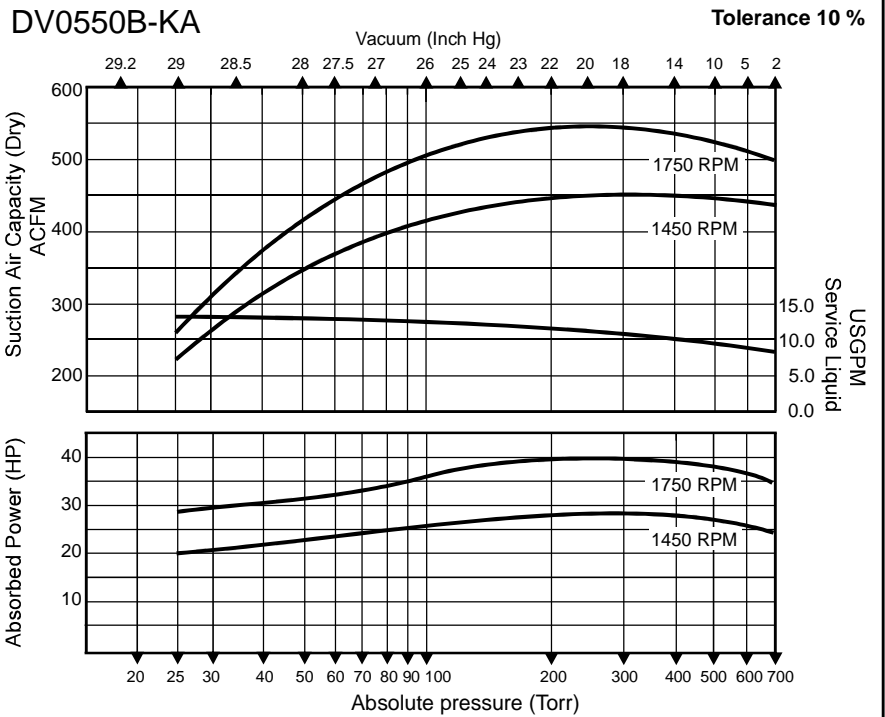
Introducing the TITAN series high efficiency, single-stage liquid ring vacuum pump.

Why should you consider this vacuum pump for your application?

- ◆ Designed for heavy duty applications.
- ◆ Manufactured to ISO 9001 standards.
- ◆ Low operating noise level.
- ◆ Heavy duty bearings mounted external to the pumping chamber.
- ◆ Features single face mechanical seals as standard.
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- ◆ Pumps are available in different materials to suit your application.
- ◆ Capable of handling saturated gas mixtures.
- ◆ Capable of handling small amounts of liquids.
- ◆ Only one moving part.
- ◆ Can operate using various seal-fluids.

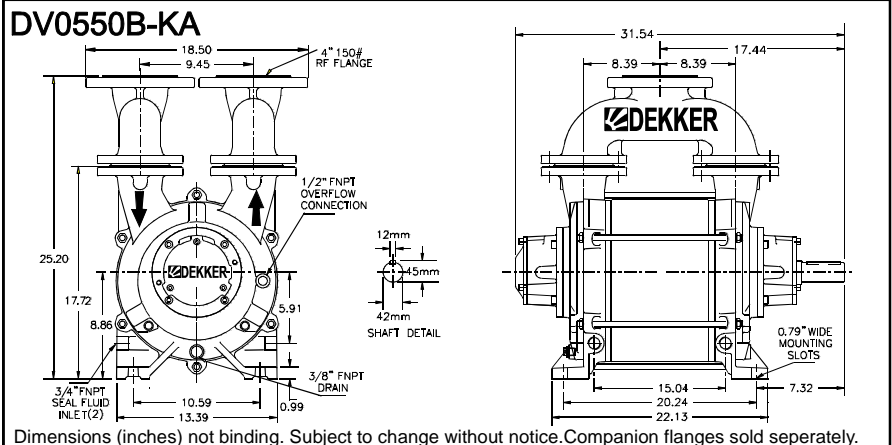


Performance characteristics
 Nominal capacity: 550CFM
 Motor: 60Hz/40HP/30kW
 50Hz/30HP/22kW
 Speed(RPM): 60Hz/1750
 50Hz/1450
 Max.vacuum: 29"Hg/25Torr
 Weight (excluding motor): 451Lbs/205kg
 Max. gas inlet temp: 212°F/100°C
 Max.noise level(at 3ft):78 dBA
Performance based on dry air, seal-water temperature 60°F and atmospheric pressure of 29.92"Hg.



Materials of construction/Seal code				
Mat.code	1	2	3	4
Casing	cast iron	cast iron	cast iron	316 SS
Portplate	cast iron	cast iron	cast iron	316 SS
Impeller	DI	bronze	316 SS	316 SS
Shaft	420 SS	420 SS	420 SS	316 SS
Seal code	A*	A*	A*	B*

A= standard mechanical seal with Viton elastomer
 B= standard mechanical seal with Teflon elastomer
 * = other seal materials available upon request.



Introducing the TITAN series high efficiency, single-stage liquid ring vacuum pump.

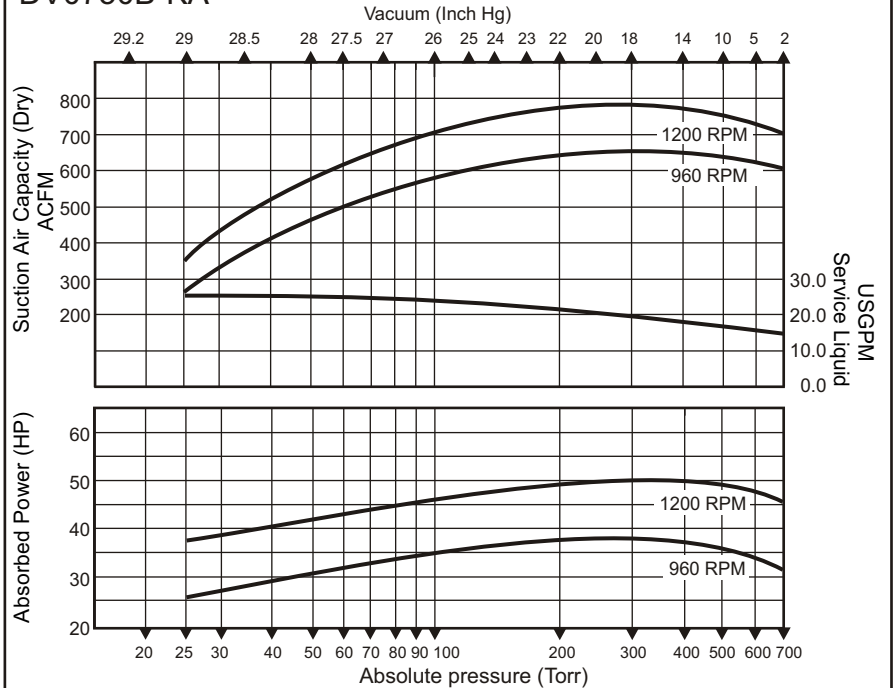
Why should you consider this vacuum pump for your application?

- ◆ Designed for heavy duty applications.
- ◆ Manufactured to ISO 9001 standards.
- ◆ Low operating noise level.
- ◆ Heavy duty bearings mounted external to the pumping chamber.
- ◆ Suitable for direct or V-belt drive.
- ◆ Virtually no maintenance is required.
- ◆ Pumps are available in different materials to suit your application.
- ◆ Capable of handling saturated gas mixtures.
- ◆ Capable of handling small amounts of liquids.
- ◆ Only one moving part.
- ◆ Can operate using various seal-fluids.



Performance characteristics
 Nom. capacity: 650/750CFM
 Motor: 60Hz/50HP/37kW
 50Hz/40HP/30kW
 Speed(RPM): 60Hz/1200
 50Hz/960
 Max. vacuum: 29"Hg/25Torr
 Weight (excluding motor): 880Lbs/400kg
 Max. gas inlet temp: 212°F/100°C
 Max. noise level(at 3ft):79 dBA
Performance based on dry air, seal-water temperature 60°F and atmospheric pressure of 29.92"Hg.

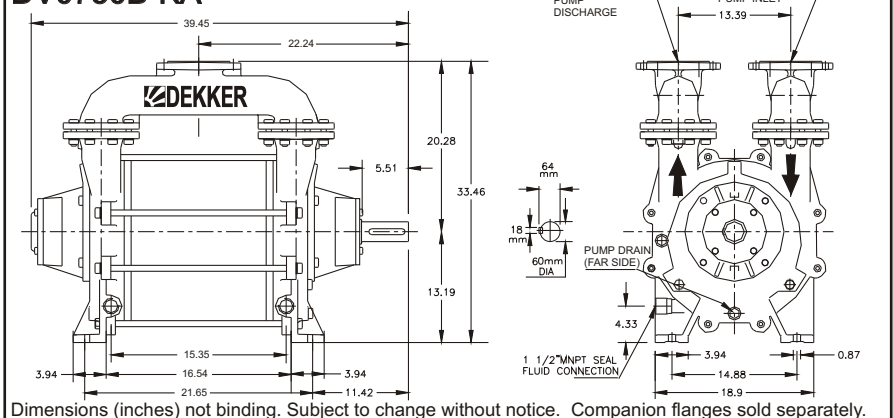
DV0750B-KA



Materials of construction/Seal code				
Mat. code	1	2	3	4
Casing	cast iron	NA	cast iron	316 SS
Portplate	cast iron	NA	cast iron	316 SS
Impeller	duct.iron	NA	316 SS	316 SS
Shaft	420 SS	NA	420 SS	316 SS
Seal code	A*	NA	A*	B*

A= standard mechanical seal with Viton elastomer
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DV0750B-KA



Introducing the TITAN series high efficiency, single-stage liquid ring vacuum pump.

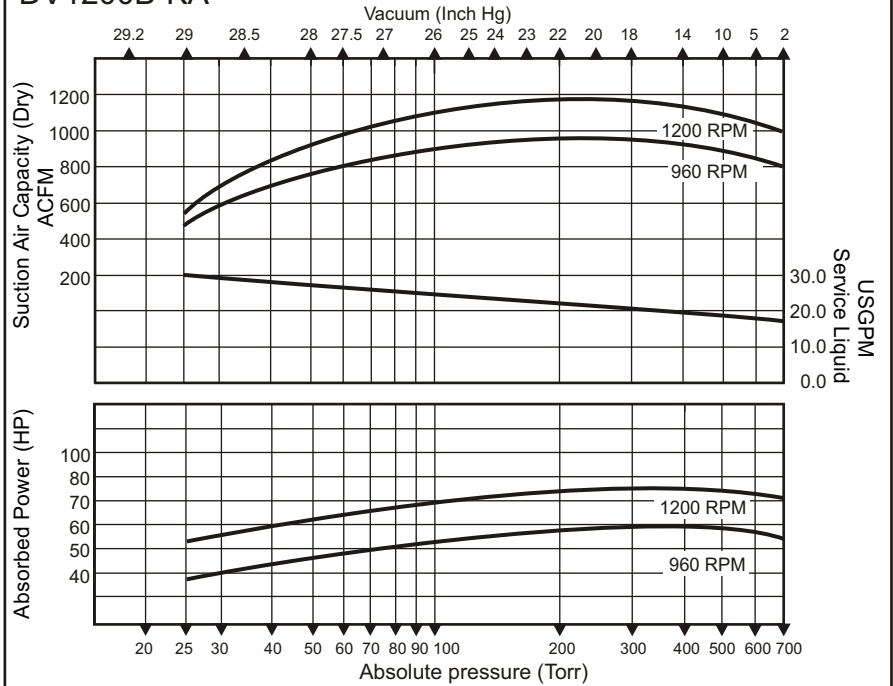
Why should you consider this vacuum pump for your application?

- ◆ Designed for heavy duty applications.
- ◆ Manufactured to ISO 9001 standards.
- ◆ Low operating noise level.
- ◆ Heavy duty bearings mounted external to the pumping chamber.
- ◆ Suitable for direct or V-belt drive.
- ◆ Virtually no maintenance is required.
- ◆ Pumps are available in different materials to suit your application.
- ◆ Capable of handling saturated gas mixtures.
- ◆ Capable of handling small amounts of liquids.
- ◆ Only one moving part.
- ◆ Can operate using various seal-fluids.



Performance characteristics
 Nom. capacity: 1000/1200CFM
 Motor: 60Hz/100HP/75kW
 50Hz/60HP/45kW
 Speed(RPM): 60Hz/1200
 50Hz/960
 Max. vacuum: 29"Hg/25Torr
 Weight (excluding motor): 1023Lbs/465kg
 Max. gas inlet temp: 212°F/100°C
 Max. noise level(at 3ft): 80 dBA
Performance based on dry air, seal-water temperature 60°F and atmospheric pressure of 29.92"Hg.

DV1200B-KA



Materials of construction/Seal code				
Mat. code	1	2	3	4
Casing	cast iron	NA	cast iron	316 SS
Portplate	cast iron	NA	cast iron	316 SS
Impeller	duct.iron	NA	316 SS	316 SS
Shaft	420 SS	NA	420 SS	316 SS
Seal code	A*	NA	A*	B*

A= standard mechanical seal with Viton elastomer
 B= standard mechanical seal with Teflon elastomer
 * = other seal materials available upon request.

DV1200B-KA

