

CRANE CABIN AIR CONDITIONER



Environment
Friendly



New Generation
Cooling medium
R227ea and R236fa



Semi- Hermatic
Compressor



Customized to your
needs



NOVUS

Company

NOVUS is in the business of Refrigeration since inception of its parent company in 1978.

Focused on continuous growth, our company has been serving the industrial cooling and air conditioning sector through an innovative approach for more than 8 years in Singapore.

After discontinuance of manufacturing in the year 2000, we partner with high quality Machine manufacturers in Europe to provide robust and state of the art technology for our discerning customers.

Our focus is always on providing high efficiency systems, which are **ENVIRONMENTALLY friendly**. Attaching great importance to R&D and unique design by focusing on customer satisfaction and customer feedback.

For our Crane Air-conditioners, we increasingly use R227ea and R236fa, which are the new generation cooling mediums.

We are operating in domestic and international markets and provide top class service to our customers.



Coil Assembly Line



6 axis robot bending



6 axis robot welding



Fin press line



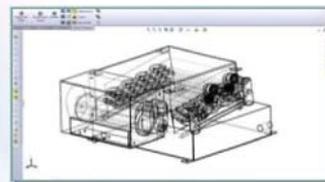
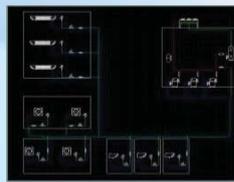
Punch press line



Development and Production

Our project team, consisting of the experienced engineers in the fields cooling techniques and the design engineers, will develop the most suitable cooling solution for your need.

Our manufacturer that continuously reflects the new opportunities of the technology to its manufacturing uses the engineering calculations software (CFD) which is used to simulate in the newest solid modeling, (3D CAD systems) resistance, vibration, heat transfer and fluid mechanics designing phases.



Crane Cab Cooler

NOVK series is our trademarked crane air conditioner devices are projected for cooling crane operator cabs, control rooms, crane electric containers and beams in high temperature facilities, steelworks, rolling plants, cement and paper mills.

Air conditioners are designed as capable to run under dusty and greasy conditions, with the quality to be maintained easily in a short while and to run efficiently in the summertime.

NOVK serial crane cabin air conditioners have the capacity to keep the temperature of crane operator cabs and electric panel cabinet temperature at 22-35 °C.

Our air conditioners are produced in two variations, vertical and horizontal, and with two options, package and split. Designs for desired capacity and working conditions can also be customised.

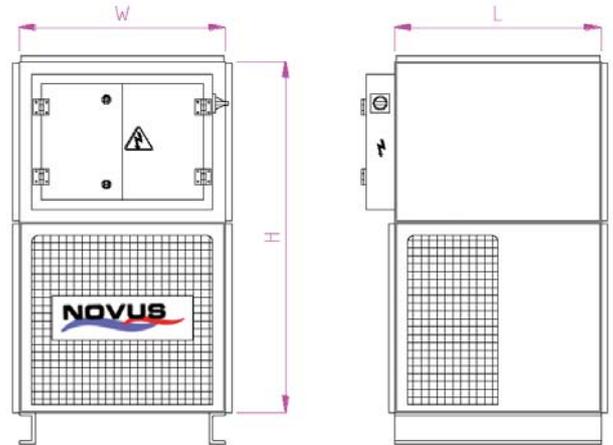


Compact Type

Compact type crane cabin air conditioners are suitable for the beam boxes and the crane cabins with low cooling capacity crane cabins.

Ordinary panel air conditioners can operate at up to **+45°C/+50°C** ambient temperature. Compact type air conditioners are suitable to operate at **+80°C ambient temperature (NOVK - 155 and NOVK 228 model +90°C ambient temperature)** at places where there is high temperature, excess dust and vibration.

The compact is improved to be used in the places where there is small usage area. All the equipment has been placed in the unit and tested in the factory. The appliance is ready for use after simple electricity and air duct connections.

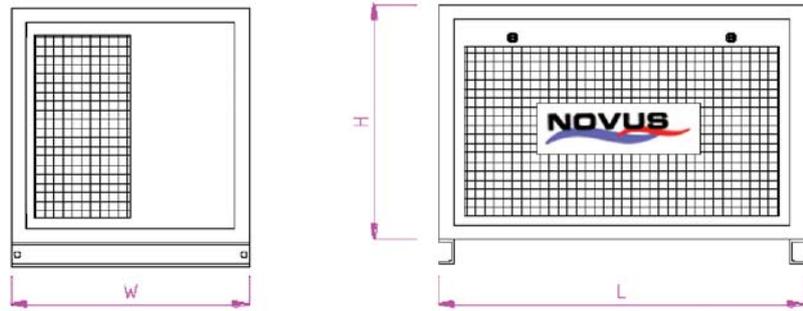


Compact Type

Split Type

The Split type crane cabin air conditioners are ideal for the electricity panel rooms and crane operator cabins where there are not enough installment platforms and where the air duct is not required although high cooling capacity is needed.

They are suitable to operate at up to **+90°C ambient temperature** at places where there is high temperature, excess dust and vibration. The appliance is ready for use after the evaporator unit is fixed on the wall and the ceiling in the cabin and the compressor-condenser unit is installed on the crane platform and after the necessary pipes and electricity connections are completed.



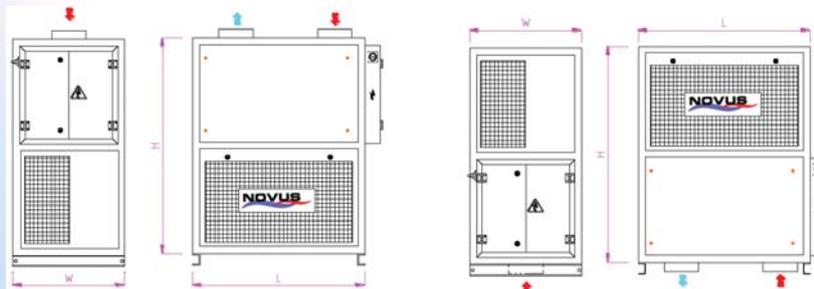
Split Type

Package Type

Our Package type crane cabin air conditioners are more suitable for the panel rooms and crane operator cabins where there is a need for higher cooling capacity.

They are suitable to operate at up to **+90°C ambient temperature**, at places where there is high temperature, excess dust and vibration. The paramount advantage of this series is the convenience of providing maintenance and service.

As in the compact type crane cabin air conditioners, all the equipment has been placed in the unit and tested in the factory. The appliance is ready for use after simple electricity and air duct connections.



Package Type



		Parameter				Dimension			
	MODEL	Ideal for	Nominal Cooling Capacity	Ambient Temperature Range	Nominal Air Flow(m ³ /h)	Voltage	H (mm)	L (mm)	W (mm)
COMPACT TYPE	NOVK 100	Electrical Enclosures	2 kW	+40 °C to +80 °C	600	400V / 3 / 50 Hz	1000	600	320
	NOVK 135	Crane Operator Cabins	3.5 kW	+40 °C to +90 °C	850	460V / 3 / 60 Hz	1060	600	540
	NOVK 155		4.2 kW	+40 °C to +90 °C	1000	220V / 3 / 50 Hz	1130	650	650
	NOVK 228		6 kW	+40 °C to +90 °C	1250	690V / 3 / 50 Hz	1410	650	650
PACKAGE TYPE	NOVK 155	Crane Operator Cabins	4.2 kW	+40 °C to +90 °C	1000	400V / 3 / 50 Hz	1250	1000	650
	NOVK 189		5 kW	+40 °C to +90 °C	1150	460V / 3 / 60 Hz	1250	1000	650
	NOVK 228		6 kW	+40 °C to +90 °C	1250	460V / 3 / 60 Hz	1450	1000	650
	NOVK 279		7.5 kW	+40 °C to +90 °C	1500	460V / 3 / 60 Hz	1450	1250	750
	NOVK 435	Electrical Containers	12 kW	+40 °C to +90 °C	2300	220V / 3 / 50 Hz	1560	1280	1000
	NOVK 498		13.4 kW	+40 °C to +90 °C	2500	690V / 3 / 50 Hz	1560	1380	1080
	NOVK 648		17 kW	+40 °C to +90 °C	3300	690V / 3 / 50 Hz	1660	1380	1080
	NOVK 744		20 kW	+40 °C to +90 °C	4000	690V / 3 / 50 Hz	1770	1380	1080
	NOVK 846		22.5 kW	+40 °C to +90 °C	4300	690V / 3 / 50 Hz	Please contact us		
	NOVK 972		26 kW	+40 °C to +90 °C	4600	380V / 3 / 60 Hz	Please contact us		
SPLIT TYPE	NOVK 155	Crane Operator Cabins	4.2 kW	+40 °C to +90 °C	1000	400V / 3 / 50 Hz	650	1000	650
	NOVK 189		5 kW	+40 °C to +90 °C	1150	460V / 3 / 60 Hz	650	1000	650
	NOVK 228		6 kW	+40 °C to +90 °C	1250	460V / 3 / 60 Hz	700	1000	650
	NOVK 279	Electrical Containers	7.5 kW	+40 °C to +90 °C	1500	460V / 3 / 60 Hz	700	1250	750
	NOVK 435		12 kW	+40 °C to +90 °C	2300	220V / 3 / 50 Hz	900	1280	1000
	NOVK 498		13.4 kW	+40 °C to +90 °C	2500	690V / 3 / 50 Hz	910	1380	1080
	NOVK 648		17 kW	+40 °C to +90 °C	3300	690V / 3 / 50 Hz	910	1380	1080
	NOVK 744		20 kW	+40 °C to +90 °C	4000	690V / 3 / 50 Hz	Please contact us		
	NOVK 846		22.5 kW	+40 °C to +90 °C	4300	690V / 3 / 50 Hz	Please contact us		
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