

Inverter Chiller Series



Energy Saving Precision Chiller

Proudly Launching Our Energy Saving Precision Chiller!!



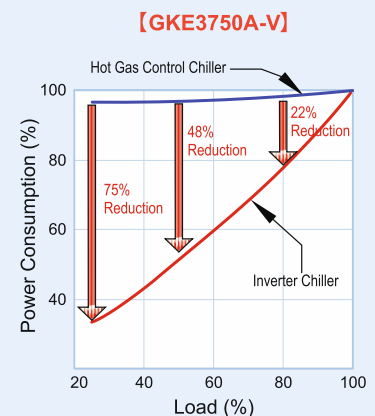
- 12 - 48 kW Cooling Capacity
- Upto $\pm 0.1^{\circ}\text{C}$ Accuracy
- Larger Chilled Water Temp. Range (10 - 30 $^{\circ}\text{C}$)
- External Warning Alarm / Remote Communication with Mother Machine
- Caster Wheel Mounted for Easy Mobility
- SS - In Built Tank & Pump
- Eco Friendly R410A
- Energy Saving
- Inverter Driven Fan Motor
- Optional Inverter Driven Pump

Specifications

ITEM	MODEL	GKE3750A-V	GKE5500A-V	GKE7500A-V	GKE11000A-V	GKE15000A-V		
Cooling Capacity	* 1	kW	12	20	25	35	48	
External Dimensions (H x D x W)	mm	1684x905x805	1825x988x885	1646x800x1340	2020x919x1600			
Unit Mass (dry weight)	kg	Approx. 240	Approx. 260	Approx. 320	Approx. 475	Approx. 480		
Chilled Water	Operable Ambient Temp. Range	$^{\circ}\text{C}$	5 to 40					
	Operable Liquid Temp. Range	$^{\circ}\text{C}$	10 to 30					
	Control Precision	* 4	$\pm 0.5^{\circ}\text{C}$					
	Operating Water Pressure	MPa	0.25 ~ 0.50	0.35 ~ 0.55	0.35 ~ 0.55	0.35 ~ 0.55		
Power Specifications	Operating Flow Rate	L/min	30 ~ 70	24 ~ 110	24 ~ 110	160 ~ 250		
	Inlet and Outlet Port Size		BSP1		BSP11/4			
Equipment Details	Power Source	* 2	V(Hz)				3 Phase.400 \pm 5%.50	
	Power Consumption	* 1	kW	5.6	8	9.5	16.4	19.7
	Electric Current	* 1	A	9.3	13.2	15.5	28.5	34
	Power Capacity	* 3	kVA	6.4	9.1	10.7	19.8	20.8
Equipment Details	Compressor		Scroll type					
	Condenser		Finned tube type, Forced air cooling					
	Operation Control Method		Inverter Drive					
	Evaporator	Construction / Material	Plate type/SUS316 (with copper brazing)					
	Discharge Pump	Construction	Multistage centrifugal pump					
Water Tank Capacity	L	Approx. 95	Approx. 115	Approx. 140	Approx. 220			
Refrigerant		R - 410A						

*For detailed specification please contact factory

*subject to change with design modification



Compared with hot gas bypass chiller, inverter control model offer energy savings of 48% at 50% load, 75% at 25% load, 22% at 80% load.

- * 1. Cold water temperature 20 $^{\circ}\text{C}$, Room temperature 38 $^{\circ}\text{C}$. Cooling capacity is at least 95% of listed figures.
- * 2. Voltage imbalance should be within $\pm 2\%$.
- * 3. The figure noted is when operating at the highest capacity in the normal operating range.
- * 4. Not in scope when compressor is off and when load is less than or equal to 20% of rated capacity.