

# INVERTER KCW-IV SERIES

## Inverter•Chiller



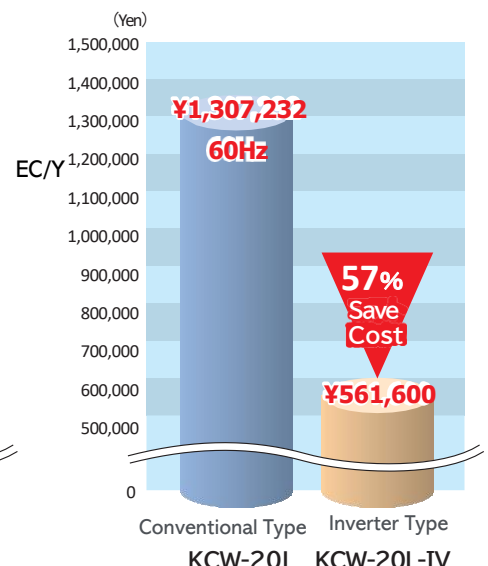
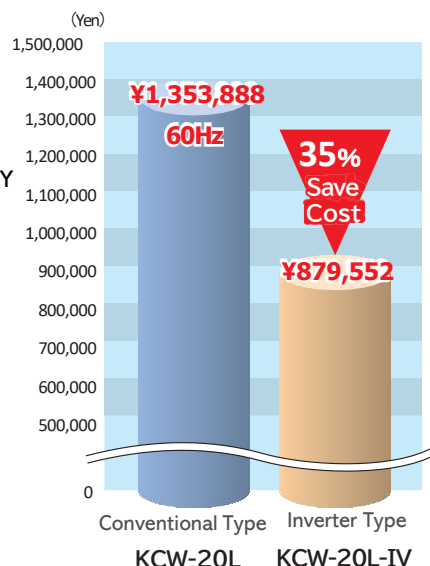
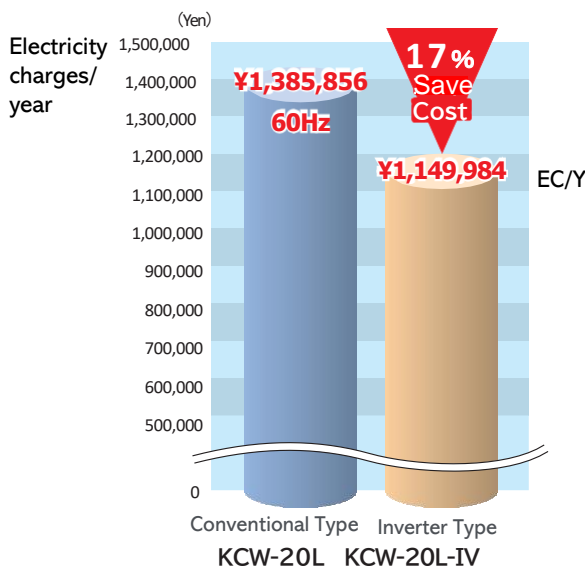
- Operates with optimum cooling capacity according to the load
- Energy saving  
(Power consumption, 41-79% less than the conventional model)
- Many lineups  
(3HP~60HP)
- High compatibility with the conventional model  
✕ Machine dimensions and piping remain the same

✕Electricity charges(Chiller for 20HP) ●Electric bill : ¥18/kW ●Number of working days in a month : 20 days ●Daily working hours : 20hours

### At 80% ability

### At 60% ability

### At 40% ability



**Cost reduction : 235,872 Yen /Year**

**Cost reduction: 474,336 Yen /Year**

**Cost reduction: 745,632 Yen /Year**

# Chiller for advanced equipment under the Act on Special Measures for Productivity Improvement

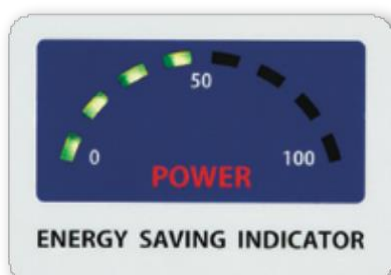
(Indoor type)

Model		KCW-03L-IV	KCW-05L-IV	KCW-10L-IV	KCW-15L-IV	KCW-20L-IV	KCW-25L-IV	KCW-30L-IV	
Medium temperature range		7°C ~ 30°C							
Medium		Water							
Chilling capacity(kW) 50/60Hz	10°C	11.9/11.9	19.2/19.2	33.6/33.6	49.5/52.8	62.9/67.2	78.8/86.4	92.2/100.8	
	15°C	13.0/13.0	20.9/20.9	37.3/37.3	55.0/58.2	69.8/74.6	87.5/95.5	102.3/111.9	
Tank capacity (Lr)		60	75	140	250	300	350		
Compressor out put (kW)		3	3.75	7.44	7.44+3.75	7.44×2	7.44×2+3.75	7.44×3	
Refrigerant		R407C							
Internal circ. pump 50/60Hz Output (kW)		-					0.75/0.75		
Medium circ. pump 50/60Hz	Output (kW)	1.27/2.2		2.3/4		4.0/5.5		5.5/7.5	
	Max. flow rate (Lr/min)		105/126		250/265		367/433		600/700
	Max. output pressure (MPa)		0.45/0.51		0.48/0.69		0.54/0.57		0.52/0.52
Pipe connection size	Medium process Medium return	10A×2 direction	10A×4 direction	40A (Socket) 1 1/2B(Socket)	50A(Socket) 2B(Socket)		65A (Socket) 2 1/2B(Socket)		
	Cooling water inlet	20A (Socket) 3/4B(Socket)	25A (Socket) 1B(Socket)	40A (Socket) 1 1/2B(Socket)	50A (Socket) 2B(Socket)		65A (Socket) 2 1/2B(Socket)		
	Cooling water out	20A (Socket) 3/4B(Socket)	25A (Socket) 1B(Socket)	40A(Groove valve) 1 1/2B(Groove valve)	50A (Groove valve) 2B(Groove valve)		65A (Groove valve) 2 1/2B(Groove valve)		
	Water supply	15A (Socket) 1/2B(Socket)							
	Drain	20A (Ball valve) 3/4B(Ball valve)			25A (Ball valve) 1B(Ball valve)		25A (Socket) 1B(Socket)		
	Over flow	25A (Socket) 1B(Socket)						Combined with tank drain 25A (Socket) 1B(Socket)	
	Drain for drain pan	15A (Socket) 1/2B(Socket)		25A (Socket) 1B(Socket)					
	Inlet of compression air	When equipped with the N Deo function			φ 6Tube fitting				
Utility	Cooling water volume (Lr/min) ※1	39/39	62/62	111/111	163/173	208/222	260/284	305/333	
	Supplying pressure of compression air (MPa)	When equipped with the N Deo function			0.4~0.8				
	Supplying volume of compression air (NR/min)	When equipped with the N Deo function			More than 6				
	Weight (kg)	200	220	550	900	1100	1450	1500	
	Electricity (kVA)	12.2	15.2	25.2	30.4	36.2	45.3	49.4	
	Breaker (AT)	30	50	75	100	125	150		
	Power source	AC200V 50/60Hz · AC220V 60Hz 3 Phase 3Wire							
Paint color	Nittoko S4-389								
Alarm	Medium short, Overload(compressor, pump), Chiller high pressure alarm, Chiller low pressure alarm, Freezing alarm, Chiller over-heat,Temp.high alarm, Temp.low alarm, Sensor error, Reverse phase								
Dynakleen · N Deo	Options			Standard equipment					
Dimensions (W×D×Hmm)	503×657×1230	553×657×1330	1020×800×1620	1300×1000×1670	1500×1100×1970	225×1150×1800			

※1 Figured at 7°C of chilling water, 30°C of inlet cooling water and 35°C outlet cooling water.

※ Please contact us for Specifications of 40 to 60 horsepower.

1kW=860kcal/h  
1MPa=10.197kg/cm<sup>2</sup>



Equipped with energy save indicator

Performance curve of medium flow rate. (KCW-03L-IV-KCW-30L-IV)

