

KAUKAN

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NAN JING KAN WEN TECHNOLOGY CO., LTD.

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精 度 • 穩 定 • 節 能

KAUKAN
www.kaukan.com.tw

Precise Thermo Control



高抗股份有限公司
KAUKAN INDUSTRIES CO., LTD.

KAUKAN

Accuracy, Stability, Energy Saving KAUKAN High Efficiency Coolers Solve Thermal Growth Problem

Dedicated to the research and manufacturing of coolers, Kaukan offers a wide range of cooler for use on high precision machine tools and industrial machinery. With years of research in heat exchange theorem in combination with practical experience, Kaukan is capable of producing ultra-high efficiency coolers recognized by domestic and foreign machine makers.

精度、穩定、節能 高抗全系列高效能冷卻器， 有效解決溫升問題

致力於冷卻器研發與製造的高抗股份有限公司，推出各種冷卻器，適用於精密工具機與產業機械。秉持多年來在熱交換理論鑽研與實務經驗，高抗冷卻器以獨特的效能，廣受國內外機器廠的長期支持。

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型號識別 Model Identification

冷卻機型式 / Cooler Type		KO	4	P	T	S	C	Y	W	H	M	N
KO	油冷卻機 / Oil Cooler		冷卻能力 Cooling Capacity	馬達(泵浦) Motor (Pump)	油箱 / 水箱 Oil Tank / Coolant Tank	差溫 / 定溫 Differential Temperature / Fixed Temperature	精密型溫控器 ± 0.5 度 Precise Temperature Control $\pm 0.5^{\circ}\text{C}$	精密型溫控器 ± 0.2 度 Precise Temperature Control $\pm 0.2^{\circ}\text{C}$	冷卻水塔 Cooling Tower	高電壓 High Voltage	機體同調 Synchronized Cabinet adjustment	浸漬式 Impregnated Type
KW	水冷卻機 / Chiller											
KAC	電控箱空調冷卻器 Air Conditioner for Electrical Cabinet											
KE	切削液專用 Oil Cooler for Cutting Fluid											
KEV	切削液專用(循環型) Oil Cooler for Cutting Fluid & EDM (Circulated Type)											

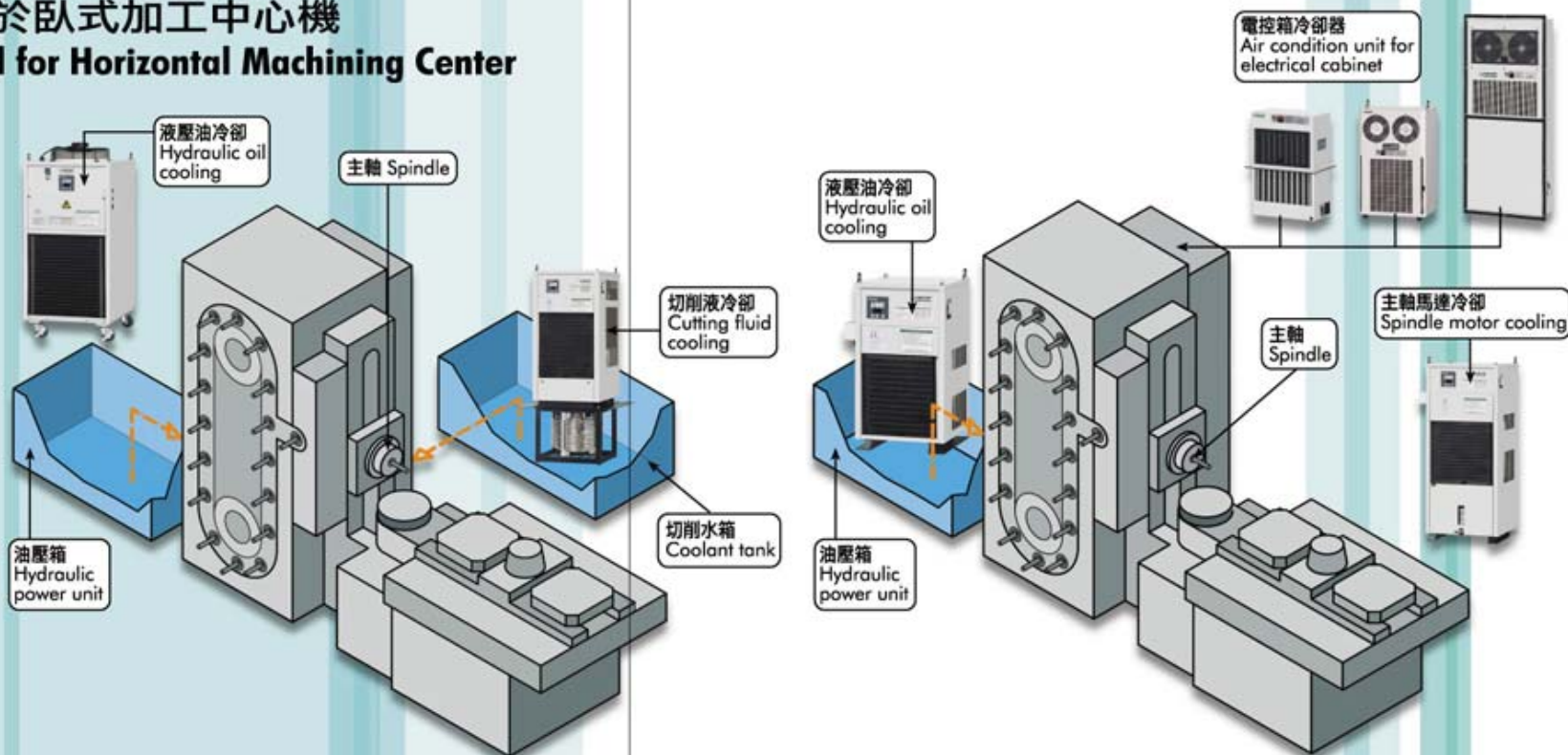
各種冷卻器應用於臥式加工中心機
Various Coolers used for Horizontal Machining Center應用例
Application Examples :

1. 工具機 / Machine Tools:

- 加工中心機 / Machining centers
- NC車床 / NC lathes
- 磨床 / Grinding machines
- NC專用機
NC special purpose machines
- 放電加工機
Electric discharge machines

2. 產業機械
Industrial Machinery:

- 成型機 / Molding machines
- 沖床 / Presses



Oil Cooler Unit

油溫控制冷卻器



KO-4PTS

KO-6PTS

KO-18PTS

KO-3KPTS



KO-7.5KPTS

用途 / APPLICATION

- 主軸冷卻油冷卻
- 放電加工油冷卻
- 齒輪潤滑油冷卻
- 油壓油冷卻
- 潤滑油冷卻
- 研磨油冷卻
- 切削油冷卻
- Spindle Oil Cooling
- EDM Oil Cooling
- Gear Lubricating Oil Cooling
- Hydraulic Oil Cooling
- Lubricating Oil Cooling
- Grinding Oil Cooling
- Cutting Oil Cooling

適用機器 / APPLICABLE MACHINES

- CNC車床
- NC專用機
- CNC沖床
- CNC綜合加工機
- CNC磨床
- CNC放電加工機
- 各式油壓作動設備
- CNC Lathe
- NC Special Purpose Machine
- CNC Punch Press
- CNC Machining Center
- CNC Grinding Machine
- CNC E.D.M
- Various Hydraulic Equipment

注意事項 / NOTICES

- 以上冷卻能力在周圍溫度35°C，出油溫度35°C，油品ISO VG32條件下測得。
- 特殊規格設計請與本公司連絡。
- 其它電壓需求請與本公司連絡。
- 設計及規格變更恕不另行通知。
- 油箱為選配件，訂購時須特別註明。
- Above cooling capacity is tested under the conditions of ambient temperature 35°C, oil outlet temperature 35°C and oil grade ISO VG32.
- Contact us when special specifications are required.
- Contact us when special voltage is required.
- Design and specifications are subject to change without prior notice.
- Oil tank is an optional equipment. Specify your requirement when ordering.

機型 MODEL		KO-4PTS	KO-6PTS	KO-8PTS	KO-12PTS	KO-18PTS	KO-2KPTS	KO-3KPTS	KO-4KPTS	KO-5KPTS	KO-6KPTS	KO-7.5KPTS	KO-10KPTS	KO-15KPTS	KO-20KPTS
電源	電源電壓 Power Source Voltage	3 Phase AC220V 50/60Hz													
Power Source	操作迴路 Control Circuit Voltage	DC 24V													
使用液體 Applicable Fluid	冷卻用 低黏度油、潤滑油、作動油等 Low viscosity oil, lubrication oil and actuating oil for cooling														
冷卻能力	kcal/hr	800 / 1000	1200 / 1500	1600 / 2000	2400 / 3000	3600 / 4500	4800 / 6000	7200 / 9000	9600 / 12000	12000 / 15000	14400 / 18000	18000 / 22500	24000 / 30000	36000 / 45000	48000 / 60000
Cooling Capacity 50Hz/60Kz	W	925 / 1160	1390 / 1740	1860 / 2325	2790 / 3488	4185 / 5230	5580 / 6975	8370 / 10465	11160 / 13950	13920 / 17400	16745 / 20930	20925 / 26160	27905 / 34880	41860 / 52325	55810 / 69765
溫度控制	定溫式 Fixed Temperature	固定式 Fix type (設定範圍 Setting range 15°C~40°C)													
Temperature Control	差溫式 Differential Temperature	type (室溫或機體溫 Room Temp. or Casting Temp./液溫 Fluid Temp.)，設定範圍 Setting range -15°C~+15°C													
使用範圍	室溫°C Environmental Temperature	10°C~40°C													
Ambient Temperature Workun Rang	油溫°C Oil Temperature	10°C~45°C													
泵浦流量 Pump Flow	l / min	4.5 / 7.2	15 / 20	15 / 20	20 / 30	20 / 30	20 / 30	40 / 50	40 / 50	50 / 70	50 / 70	115 / 140	115 / 140	160 / 200	160 / 200
液體出入口徑 Liquid in/out port size	Inch	1/2" PT	3/4" PT	3/4" PT	3/4" PT	3/4" PT	3/4" PT	1" PT	1- 1/4" PT	1- 1/4" PT	2" PT	2" PT	2" PT	2" PT	2" PT
外型尺寸 Dimensions	W x D x H mm	470x475x1000	545x570x1175	545x570x1175	545x570x1175	500x670x1290	500x670x1290	760x650x1390	1120x710x1570	1120x710x1570	1120x710x1785	800x1300x1820	800x1300x1820	2300x850x2000	2300x850x2000
重量 Weight	kg	85	120	120	130	150	150	220	260	280	290	390	440	800	900
油箱容量 Oil Tank Capacity	L	18	25	25	25	45	45	60	80	80	100	190	210	300	400

• 本公司享有規格變更之權利，恕不另行通知。 • Above specifications are subject to change without prior notice.

Oil Cooler Unit

油溫控制冷卻器



KO-4PS



KO-6PS



KO-2KPS



KO-5KPS

用途 / APPLICATION

- 主軸冷卻油冷卻
- 放電加工油冷卻
- 齒輪潤滑油冷卻
- 油壓油冷卻
- 潤滑油冷卻
- 研磨油冷卻
- 切削油冷卻
- Spindle Oil Cooling
- EDM Oil Cooling
- Gear Lubricating Oil Cooling
- Hydraulic Oil Cooling
- Lubricating Oil Cooling
- Grinding Oil Cooling
- Cutting Oil Cooling

適用機器 / APPLICABLE MACHINES

- CNC車床
- NC專用機
- CNC沖床
- CNC綜合加工機
- CNC磨床
- CNC放電加工機
- 各式油壓作動設備
- CNC Lathe
- NC Special Purpose Machine
- CNC Punch Press
- CNC Machining Center
- CNC Grinding Machine
- CNC E.D.M
- Various Hydraulic Equipment

注意事項 / NOTICES

- 以上冷卻能力在周圍溫度35°C，出油溫度35°C，油品ISO VG32條件下測得。
- 特殊規格設計請與本公司連絡。
- 其它電壓需求請與本公司連絡。
- 設計及規格變更恕不另行通知。
- 油箱為選配件，訂購時須特別註明。
- Above cooling capacity is tested under the conditions of ambient temperature 35°C, oil outlet temperature 35°C and oil grade ISO VG32.
- Contact us when special specifications are required.
- Contact us when special voltage is required.
- Design and specifications are subject to change without prior notice.
- Oil tank is an optional equipment. Specify your requirement when ordering.

機型 MODEL		KO-4PS	KO-6PS	KO-8PS	KO-12PS	KO-18PS	KO-2KPS	KO-3KPS	KO-4KPS	KO-5KPS	KO-6KPS	KO-7.5KPS	KO-10KPS	KO-15KPS	KO-20KPS
電源 Power Source	電源電壓 Power Source Voltage	3 Phase AC220V 50/60Hz													
	操作迴路 Control Circuit Voltage	DC 24V													
使用液體 Applicable Fluid		冷卻用 低黏度油、潤滑油、作動油等 Low viscosity oil, lubrication oil and actuating oil for cooling													
冷卻能力 Cooling Capacity 50Hz/60Kz	kcal/hr	800 / 1000	1200 / 1500	1600 / 2000	2400 / 3000	3600 / 4500	4800 / 6000	7200 / 9000	9600 / 12000	12000 / 15000	14400 / 18000	18000 / 22500	24000 / 30000	36000 / 45000	48000 / 60000
	W	925 / 1160	1390 / 1740	1860 / 2325	2790 / 3488	4185 / 5230	5580 / 6975	8370 / 10465	11160 / 13950	13920 / 17400	16745 / 20930	20925 / 26160	27905 / 34880	41860 / 52325	55810 / 69765
溫度控制 Temperature Control	定溫式 Fixed Temperature	固定式 Fix type (設定範圍 Setting range 15°C~40°C)													
	差溫式 Differential Temperature	差溫式 Differential Temp. type (室溫或機體溫 Room Temp. or Casting Temp./液溫 Fluid Temp.)，設定範圍 Setting range -15°C~+15°C													
使用範圍 Ambient Temperature Workun Rang	室溫°C Environmental Temperature	10°C~40°C													
	油溫°C Oil Temperature	10°C~45°C													
泵浦流量 Pump Flow	l / min	4.5 / 7.2	15 / 20	15 / 20	20 / 30	20 / 30	20 / 30	40 / 50	40 / 50	50 / 70	50 / 70	115 / 140	115 / 140	160 / 200	160 / 200
液體出入口徑 Liquid in/out port size	Inch	1/2" PT	3/4" PT	3/4" PT	3/4" PT	3/4" PT	3/4" PT	1" PT	1-1/4" PT	1-1/4" PT	2" PT	2" PT	2" PT	2" PT	2" PT
外型尺寸 Dimensions	W x D x H mm	465x457x765	510x555x875	510x555x875	510x555x875	510x675x1040	510x675x1040	660x760x1040	1120x710x1570	1120x710x1570	7455x1130x1815	1300x800x1820	1300x800x1820	2300x850x2000	2300x850x2000
重量 Weight	kg	70	95	95	105	120	120	160	265	280	300	300	400	800	900

• 本公司享有規格變更之權利，恕不另行通知。 • Above specifications are subject to change without prior notice.

Oil Cooler Unit

油溫控制冷卻器



KO-4PHS

KO-6PHS

KO-4PTHs

KO-6PTHs

KO-12PTHs

用途 / APPLICATION

- 主軸冷卻油冷卻
- 放電加工油冷卻
- 齒輪潤滑油冷卻
- 油壓油冷卻
- 潤滑油冷卻
- 研磨油冷卻
- 切削油冷卻
- Spindle Oil Cooling
- EDM Oil Cooling
- Gear Lubricating Oil Cooling
- Hydraulic Oil Cooling
- Lubricating Oil Cooling
- Grinding Oil Cooling
- Cutting Oil Cooling

適用機器 / APPLICABLE MACHINES

- CNC車床
- NC專用機
- CNC沖床
- CNC綜合加工機
- CNC磨床
- CNC放電加工機
- 各式油壓作動設備
- CNC Lathe
- NC Special Purpose Machine
- CNC Punch Press
- CNC Machining Center
- CNC Grinding Machine
- CNC E.D.M
- Various Hydraulic Equipment

注意事項 / NOTICES

- 以上冷卻能力在周圍溫度35°C，出油溫度35°C，油品ISO VG32條件下測得。
- 特殊規格設計請與本公司連絡。
- 其它電壓需求請與本公司連絡。
- 設計及規格變更恕不另行通知。
- 油箱為選配件，訂購時須特別註明。
- Above cooling capacity is tested under the conditions of ambient temperature 35°C, oil outlet temperature 35°C and oil grade ISO VG32.
- Contact us when special specifications are required.
- Contact us when special voltage is required.
- Design and specifications are subject to change without prior notice.
- Oil tank is an optional equipment. Specify your requirement when ordering.

機型 MODEL		KO-4PHS	KO-6PHS	KO-8PHS	KO-4PTHs	KO-6PTHs	KO-8PTHs	KO-12PTHs
電源 Power Source	電源電壓 Power Source Voltage	3 Phase AC220V 50/60Hz						
	操作迴路 Control Circuit Voltage	AC220V						
使用流體 Applicable Fluid		冷卻用 低黏度油、潤滑油、作動油等 Low viscosity oil, lubrication oil and actuating oil for cooling						
冷卻能力 Cooling Capacity 50Hz/60Kz	kcal/hr	800 / 1000	1200 / 1500	1600 / 2000	800 / 1000	1200 / 1500	1600 / 2000	2400 / 3000
	W	925 / 1160	1390 / 1740	1860 / 2325	925 / 1160	1390 / 1740	1800 / 2325	2790 / 3488
溫度控制 Temperature Control	定溫式 Fixed Temperature	固定式 Fix type (設定範圍 Setting range 15°C~40°C)						
	差溫式 Differential Temperature	差溫式 Differential Temp. type (室溫或機體溫 Room Temp. or Casting Temp./液溫 Fluid Temp.)，設定範圍 Setting range -15°C~+15°C						
使用範圍 Ambient Temperature Workun Rang	室溫°C Environmental Temperature	10°C~40°C						
	油溫°C Oil Temperature	10°C~45°C						
泵浦流量 Pump Flow	l / min	4.5 / 7.2	15 / 20	15 / 20	4.5 / 7.2	15 / 20	15 / 20	20 / 30
液體出入口徑 Liquid in/out port size	Inch	1/2" PT	3/4" PT	3/4" PT	1/2" PT	3/4" PT	3/4" PT	3/4" PT
外型尺寸 Dimensions	W x D x H mm	385x440x660	420x550x845	420x550x845	388x480x885	420x595x1060	420x595x1060	490x585x1170
重量 Weight	kg	65	95	95	70	105	110	120
油箱容量 Oil Tank Capacity	L	-	-	-	18	25	25	25

• 本公司享有規格變更之權利，恕不另行通知。 • Above specifications are subject to change without prior notice.

Chiller Unit

水溫控制冷卻器



KW-4PTS

KW-8PTS

KW-12PTS

KW-2KPTS

KW-3KPTS

用途 / APPLICATION

- 高速主軸 • High Speed Spindle
- 雷射 • Laser
- 切削液 • Cooling Water for Cutting Machine
- 模具冷卻 • Mold Colling
- 真空泵浦 • Vacuum Pump
- 其它需以水冷却之設備 • All Equipments Needed to Cool by Water

適用機器 / APPLICABLE MACHINES

- CNC車床 • CNC Lathe
- CNC綜合加工機 • CNC Machining Center
- CNC線切割機 • CNC Wire Cutting Machine
- PCB鑽孔機及切割機 • PCB Drilling or Routing Machine
- 醫療儀器設備 • Medical Appliances
- 射出成型機 • Injection Machine
- 雷射加工機 • Laser Cutting & Marking Machine
- 低溫式水溫控制冷卻(-35°C) • Chiller of Low Temperature (-35°C)
- 食品機械 • Food Machine
- 各式半導體制程及儀器設備 • All Product Equipments & Instruments for Semiconductor.

注意事項 / NOTICES

- 以上冷卻能力在室溫32°C，液溫22°C，AC220V 60Hz條件下測得。
- 蒸發器耐壓5kg/cm²，若需用超過之泵浦，請與本公司連絡。
- 各規格之詳細內容請洽本公司。
- 設計及規格變更恕不另行通知。
- Above cooling capacity is tested under the conditions of ambient temperature 32°C, liquid temperature 22°C and AC220V 60 Hz.
- The maximum pressure resistance of evaporator is 5 kg/cm², When a higher pressure pump is required, contact us.
- When further details of specifications are required, contact us.
- Design and specifications are subject to change without prior notice.

機型 MODEL		KW-4PTS	KW-6PTS	KW-8PTS	KW-12PTS	KW-18PTS	KW-2KPTS	KW-3KPTS	KW-4KPTS	KW-5KPTS	KW-6KPTS	KW-7.5KPTS	KW-10KPTS	KW-15KPTS	KW-20KPTS
電源	電源電壓 Power Source Voltage	3 Phase AC220V 50/60Hz													
Power Source	操作迴路 Control Circuit Voltage	DC 24V													
使用液體	Applicable Fluid	水 Water													
冷卻能力	Cooling Capacity 50Hz/60Kz	kcal/hr	800 / 1000	1200 / 1500	1600 / 2000	2400 / 3000	3600 / 4500	4800 / 6000	7200 / 9000	9600 / 12000	12000 / 15000	14400 / 18000	18000 / 22500	24000 / 30000	36000 / 45000
		W	925 / 1160	1390 / 1740	1860 / 2325	2790 / 3488	4185 / 5230	5580 / 6975	8370 / 10465	11160 / 13950	13920 / 17400	16745 / 20930	20925 / 26160	27905 / 34880	41860 / 52325
溫度控制	定溫式 Fixed Temperature	固定式 Fix type (設定範圍 Setting range 15°C~40°C)													
Temperature Control	差溫式 Differential Temperature	type (室溫或機體溫 Room Temp. or Casting Temp./液溫 Fluid Temp.)，設定範圍 Setting range -15°C~+15°C													
使用範圍	室溫°C Environmental Temperature	10°C~40°C													
Ambient Temperature Workun Rang	油溫°C Oil Temperature	10°C~45°C													
泵浦流量	Pump Flow	l / min	7.2 / 14	14 / 30	14 / 30	30 / 40	50 / 75	50 / 75	60 / 75	95 / 120	120 / 150	120 / 150	120 / 150	160 / 200	160 / 200
液體出入口徑	Liquid in/out port size	Inch	1/2" PT	3/4" PT	3/4" PT	3/4" PT	3/4" PT	3/4" PT	3/4" PT	1- 1/4" PT	1- 1/4" PT	2" PT	2" PT	2" PT	2" PT
外型尺寸	Dimensions	W x D x H mm	325x565x666	515x545x1020	515x545x1020	515x545x1020	1120x710x1570	1120x710x1570	658x658x1345	1120x710x1570	1120x710x1570	1120x710x1570	800x1300x1820	800x1300x1820	2300x850x2000
重量	Weight	kg	50	90	90	90	150	150	200	260	260	290	390	440	900
水箱容量	Water Tank Capacity	L	6	25	25	25	38	38	60	100	100	100	190	250	400

• 本公司享有規格變更之權利，恕不另行通知。 • Above specifications are subject to change without prior notice.

Chiller Unit

水溫控制冷卻器



KW-6KPS



KW-7.5KPS, KW-10KPS



KW-15KPS, KW-20KPS

用途 / APPLICATION

- 高速主軸
- 雷射
- 切削液
- 模具冷卻
- 真空泵浦
- 其它需以水
冷卻之設備
- High Speed Spindle
- Laser
- Cutting Fluid
- Mold Colling
- Vacuum Pump
- Other equipment requiring
water cooling

適用機器 / APPLICABLE MACHINES

- CNC車床
- CNC綜合加工機
- CNC線切割機
- PCB鑽孔機及切割機
- 醫療儀器設備
- 射出成型機
- 雷射加工機
- 低溫式水溫控制冷卻(-35°C)
- 食品機械
- 各式半導體制程及儀器設備
- CNC Lathe
- CNC Machining Center
- CNC Wire Cutting Machine
- PCB Drilling or Routing Machine
- Medical Appliances
- Injection Molding Machine
- Laser Cutting & Marking Machine
- Chiller of Low Temperature (-35°C)
- Food Machinery
- All Product Equipments & Instruments
for Semiconductor.

注意事項 / NOTICES

- 以上冷卻能力在室溫32°C，液溫22°C，AC220V 60Hz條件下測得。
- 蒸發器耐壓5kg/cm²，若需用超過之泵浦，請與本公司連絡。
- 各規格之詳細內容請洽本公司。
- 設計及規格變更恕不另行通知。
- Above cooling capacity is tested under the conditions of ambient temperature 32°C, liquid temperature 22°C and AC220V 60 Hz.
- The maximum pressure resistance of evaporator is 5 kg/cm². When a higher pressure pump is required, contact us.
- When further details of specifications are required, contact us.
- Design and specifications are subject to change without prior notice.

機型 MODEL		KW-4PS	KW-6PS	KW-8PS	KW-12PS	KW-18PS	KW-2KPS	KW-3KPS	KW-4KPS	KW-5KPS	KW-6KPS	KW-7.5KPS	KW-10KPS	KW-15KP	KW-20KP
電源	電源電壓 Power Source Voltage	3 Phase AC220V 50/60Hz													
Power Source	操作迴路 Control Circuit Voltage	DC 24V													
使用液體	Applicable Fluid	水 Water													
冷卻能力	Cooling Capacity 50Hz/60Kz	kcal/hr	800 / 1000	1200 / 1500	1600 / 2000	2400 / 3000	3600 / 4500	4800 / 6000	7200 / 9000	9600 / 12000	12000 / 15000	14400 / 18000	18000 / 22500	24000 / 30000	36000 / 45000
		W	925 / 1160	1390 / 1740	1860 / 2325	2790 / 3488	4185 / 5230	5580 / 6975	8370 / 10465	11160 / 13950	13920 / 17400	16745 / 20930	20925 / 26160	27905 / 34880	41860 / 52325
溫度控制	定溫式 Fixed Temperature	固定式 Fix type (設定範圍 Setting range 15°C~40°C)													
	差溫式 Differential Temperature	差溫式 Differential Temp. type (室溫或機體溫 Room Temp. or Casting Temp./液溫 Fluid Temp.)，設定範圍 Setting range -15°C~+15°C													
使用範圍	室溫°C Environmental Temperature	10°C~40°C													
	油溫°C Oil Temperature	10°C~45°C													
泵浦流量	Pump Flow	ℓ / min	7.2 / 14	14 / 30	14 / 30	30 / 40	50 / 75	50 / 75	60 / 75	95 / 120	120 / 150	120 / 150	120 / 150	160 / 200	160 / 200
液體出入口徑	Liquid in/out port size	Inch	1/2" PT	3/4" PT	3/4" PT	3/4" PT	3/4" PT	3/4" PT	3/4" PT	1- 1/4" PT	1- 1/4" PT	2" PT	2" PT	2" PT	2" PT
外型尺寸	Dimensions	W x D x H mm	325x565x665	515x545x1020	515x545x1020	515x545x1020	1120x710x1570	1120x710x1570	655x875x1333	1120x710x1570	1120x710x1570	745x1130x1815	1320x850x1610	1300x800x1820	2300x850x2000
重量	Weight	kg	50	100	100	100	135	135	190	220	220	300	300	350	900

• 本公司享有規格變更之權利，恕不另行通知。 • Above specifications are subject to change without prior notice.

Cutting Fluid Unit

切削液研磨液放電油冷卻器



KE-8



KE-2KS



KE-8NS



KE-2KNS

用途 / APPLICATION

- 放電加工油冷卻
- EDM Oil Cooling
- 研磨油冷卻
- Grinding Oil Cooling
- 切削油冷卻
- Cutting Fluid Cooling

適用機器 / APPLICABLE MACHINES

- CNC磨床
- CNC Grinding Machine
- 放電加工機
- E.D.M

注意事項 / NOTICES

- 本產品不含外部濾油器。
- 以上冷卻能力在周圍溫度35°C，出油溫度35°C，油品ISO VG32條件下測得。
- 特殊規格設計請與本公司連絡。
- 設計及規格變更恕不另行通知。
- The cooler unit does not contain filter.
- Above cooling capacity is tested under the conditions of ambient temperature 35°C, oil outlet temperature 35°C and oil grade ISO VG32.
- Contact us when special specifications are required.
- Design and specifications are subject to change without prior notice.

機型 MODEL	KE-4	KE-6	KE-8	KE-12	KE-6NS	KE-8NS	KE-12NS	KE-18NS	KE-2KNS	KE-2KNSMS	KE-12S	KE-18S	KE-2KS	KE-12PS	KE-18PS	KE-2KPS	KE-3KPS	KE-5KPS	KEV-12S	KEV-18S	KEV-2KS
電源 Power Source	3 Phase AC220V 50/60Hz																				
操作電壓 Control Circuit Voltage	DC 24V																				
使用液體 Applicable Fluid	水，水溶性切削油，水溶性研磨油，切削油，研磨油 Water, water based cutting fluid, water based grinding fluid, cutting fluid and grinding fluid																				
冷卻能力 Cooling Capacity 50Hz/60Kz	kcal/hr W	800 / 1000 925 / 1160	1200 / 1500 1390 / 1740	1600 / 2000 1860 / 2325	2400 / 3000 2790 / 3488	1200 / 1500 1390 / 1740	1600 / 2000 1860 / 2325	2400 / 3000 2790 / 3488	3600 / 4500 4185 / 5230	4800 / 6000 5580 / 6975	4800 / 6000 5580 / 6975	2400 / 3000 2790 / 3488	3600 / 4500 4185 / 5230	4800 / 6000 5580 / 6975	2400 / 3000 2790 / 3488	3600 / 4500 4185 / 5230	4800 / 6000 5580 / 6975	7200 / 9000 8370 / 10465	12000 / 15000 13920 / 17400	2400 / 3000 2790 / 3488	3600 / 4500 4185 / 5230
溫度控制 Temperature Control	定溫式 Fixed Temperature	固定式 Fix type (設定範圍 Setting range 15°C~40°C)																			
使用範圍 Ambient Temperature Work Range	差溫式 Differential Temperature	差溫式 Differential Temp. type (室溫或機體溫 Room Temp. or Casting Temp./液溫 Fluid Temp.)，設定範圍 Setting range -15°C~+15°C																			
溫度範圍 Temperature Work Range	室溫°C Environmental Temperature	10°C~40°C																			
油溫°C Oil Temperature	液溫°C Liquid in/out port size	10°C~45°C																			
泵浦流量 Pump Flow	l / min	—	—	—	—	—	—	—	—	—	—	—	—	30 / 40	50 / 60	50 / 75	60 / 75	100 / 150	—	—	—
液體出入口徑 Liquid in/out port size	Inch	1" PT	1" PT	1" PT	1" PT	—	—	—	—	—	3/4" PT	3/4" PT	3/4" PT	3/4" PT	3/4" PT	3/4" PT	1" PT	1-1/4" PT	1" PT	1" PT	1" PT
外型尺寸 Dimensions	W x D x H mm	385x365x871	475x455x914	475x455x914	475x455x914	510x590x1225	510x590x1225	545x660x1193	500x670x1500	740x680x1453	510x555x875	510x675x1040	510x675x1040	560x780x1148	510x675x1040	510x675x1040	660x760x1040	1120x710x1570	460x430x895	600x500x1145	560x780x1148
重量 Weight	kg	50	60	60	85	85	85	120	120	120	105	120	120	120	120	120	160	280	80	110	80

• 本公司享有規格變更之權利，恕不另行通知。 • Above specifications are subject to change without prior notice.

Air-Condition Unit

電控箱空調式冷卻器



KAC-1.5FS KAC-2FS KAC-3FS



KAC-4 KAC-4FS-H50 KAC-8FS

用途 / APPLICATION

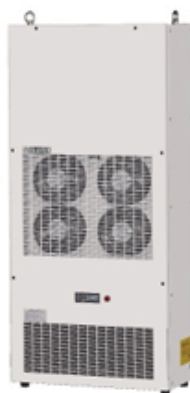
- 隔絕箱內空氣，防止外在空氣雜物進入
- 準確控制箱內溫度及濕度
- 延長電子零件壽命及避免誤動作產生
- It isolates air in the cabinet to prevent external dusts from entering.
- To accurately control temperature and moisture in the control cabinet.
- To extend service life of electronic components while preventing erroneous motion.

適用機器 / APPLICABLE MACHINES

- 各式電力、電機之控制箱
- 通信及網路設備
- 測量儀器
- Various electric and electronic control boxes.
- Communication and internet equipment.
- Measuring instrument.

注意事項 / NOTICES

- 以上冷卻能力在室溫35°C，控制箱內溫度35°C條件下測得。
- 特殊規格設計請與本公司連絡。
- 設計及規格變更恕不另行通知。
- 本公司提供同等冷卻能力多種外觀設計之選擇，請洽本公司。
- 箱體切割尺寸圖請連絡本公司。
- Above cooling capacity is tested under the conditions of 35°C ambient temperature and 35°C internal cabinet temperature in the control cabinet.
- Contact us when special specifications are required.
- Design and specifications are subject to change without prior notice.
- We can offer various outlook designs with same cooling capacity. Contact us for details.
- Cabinet sizes are available. Contact us when required.



KAC-812FS

Cooling & Heat Exchange Unit

熱管式熱交換器



C&H-3T C&H-5T



C&H-1A



C&H-2A



C&H-3A



C&H-5A



C&H-10A

用途 / APPLICATION

- 熱量調節釋放
- 隔絕箱內外空氣，防止外在空氣雜物進入
- 延長電子零件壽命及避免誤動作產生
- For conditioning and exhausting heat.
- It isolates air in the cabinet to prevent external dusts from entering.
- To extend service life of electronic components while preventing erroneous motion.

適用機器 / APPLICABLE MACHINES

- 各式電力、電機之控制箱
- 通信及網路設備
- 測量儀器
- Various electric and electronic control boxes.
- Communication and internet equipment.
- Measuring instrument.

注意事項 / NOTICES

- 特殊規格設計請與本公司連絡。
- 設計及規格變更恕不另行通知。
- 本公司提供同等冷卻能力多種外觀設計之選擇，請洽本公司。
- Contact us when special specifications are required.
- Design and specifications are subject to change without prior notice.
- We can offer various outlook designs with same cooling capacity. Contact us for details.

機型 MODEL	KAC-1.5FS	KAC-2FS	KAC-3FS	KAC-4FS	KAC-6FS	KAC-8FS	KAC-12FS
電源 Power Source	1 Phase AC220V 50/60 Hz						3 Phase AC220V
冷卻能力 kcal/hr	461 / 514	483 / 515	628 / 738	772 / 908	1300 / 1600	1795 / 2015	2116 / 2492
Cooling Capacity 50Hz/60Kz W	536 / 598	562 / 599	730 / 858	898 / 1056	1512 / 1860	2087 / 2343	2460 / 2898
箱內溫度控制 Temperature Control °C	固定式 Fixed Type (設定範圍 Setting range 25°C~35°C)						
排水口口徑 Drain Port Size Inch	3/8" PT						
外型尺寸 Dimensions W x D x H mm	285x230x615	364x260x625	364x260x625	360x260x725	374x280x845	374x280x845	550x260x1265
重量 Weight kg	26	31	35	40	52	55	70

機型 MODEL	KAC-1.5FS	KAC-18FS	KAC-2RFS	KAC-3RS	KAC-6RS	KAC-4FS-H50
電源 Power Source	3 Phase AC220V			1 Phase AC220V 50/60 Hz		
冷卻能力 kcal/hr	4511 / 5090	3658 / 4536	483 / 515	628 / 738	1300 / 1600	772 / 908
Cooling Capacity 50Hz/60Kz W	5245 / 5919	4253 / 5274	562 / 599	730 / 858	1512 / 1860	898 / 1056
箱內溫度控制 Temperature Control °C	固定式 Fixed Type (設定範圍 Setting range 25°C~35°C)					
排水口口徑 Drain Port Size Inch	3/8" PT					
外型尺寸 Dimensions W x D x H mm	528x895x720	557x758x1226	300x205x845	300x205x780	538x215x830	374x280x845
重量 Weight kg	90	100	31	35	40	45

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機型 MODEL	C&H-1A	C&H-2A	C&H-3A	C&H-5A	C&H-7A
電源 Power Source	1 Phase AC220V 50 / 60 Hz				
熱交換量 Quantity of Heat Exchange W	100	200	300	500	700
冷卻能力 Cooling Capacity W/°C	5	10	15	25	35
風扇馬達功率 Fan Motor W	50	50	70	70	70
耗電量 Power Consumption VA	60	60	90	90	90
外型尺寸 Dimensions W x D x H mm	253x70x480	254x76x580	250x80x780	298x90x780	120x298x860
重量 Weight kg	6	7	9	11	13

機型 MODEL	C&H-10A	C&H-3T	C&H-5T	C&H-7T	C&H-10T
電源 Power Source	1 Phase AC220V 50 / 60 Hz				
熱交換量 Quantity of Heat Exchange W	1000	300	500	700	1000
冷卻能力 Cooling Capacity W/°C	50	15	25	35	50
風扇馬達功率 Fan Motor W	140	70	70	70	140
耗電量 Power Consumption VA	180	90	90	90	180
外型尺寸 Dimensions W x D x H mm	415x130x940	260x165x391	305x198x382	305x203x415	414x200x430
重量 Weight kg	20	10	12	14	17

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