

Pump units (Includes a filter, water tank, and other accessories in compact design)

COOLJetter® CLJ-300-KU and CLJ-590D-K (CJJ-590-KU) require pump units for use.



IKE series

The pumps in photos may differ from the actual products.



ECT series



KYZ series

Fog + Fan Cooling Unit

COOLJetter®

Easy-to-use, energy-efficient cooling unit produces Semi-Dry Fog®, which is dispersed over a larger area using a fan. Ideal for a wide range of uses including cooling, humidification, and dust suppression.

► **Specifications**

Product code	Dimensions W x D x H (mm)	Mass (kg)	Max. operating pressure (MPa)	Max. discharge volume (L/hr)	Power supply	Motor capacity (W)	Accessories, Features
IKE11-03IK	212×354×233	8.5	6	19.2 (50 Hz) 20.0 (60 Hz)	100–240 V AC (Single phase)	110	<ul style="list-style-type: none"> •Pressure gauge •Low water level sensor •Time integrator •Intermittent operation time control •Tap water direct connection
ECT75A-2IK	420×775×430	38		76 (50 Hz) 96 (60 Hz)	100 V AC	750	<ul style="list-style-type: none"> •Pressure gauge •Water tank (7 liters, w/ Ball tap) •Low water level sensor •Safety device •Caster •Pump & motor direct connection •Quiet operation
ECT75A-4IK				168 (50 Hz) 204 (60 Hz)			
KYZ40E-2IK	435×735×550	55		77 (50 Hz) 93 (60 Hz)	100 V AC or 200 V AC (3-phase)	400	<ul style="list-style-type: none"> •Pressure gauge •Water tank (11 liters, w/ Ball tap) •Low water level sensor •Time integrator •Pump & motor belt connection
KYZ75E-4IK	435×755×550	60		195 (50 Hz) 236 (60 Hz)	200 V AC (3-phase)	750	
KYZ150E-9IK	435×770×550	65		414 (50 Hz) 500 (60 Hz)			
KYZ220E-13IK	485×820×605	70		586 (50 Hz) 708 (60 Hz)	200 V AC (3-phase)	2,200	<ul style="list-style-type: none"> •Pressure gauge •Water tank (15 liters, w/ Ball tap) •Low water level sensor •Time integrator •Pump & motor belt connection

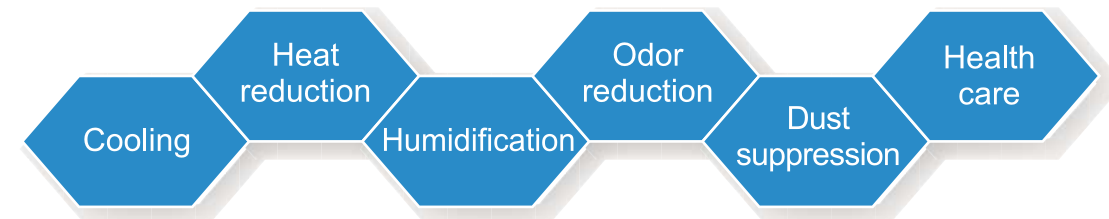
- Note:
1. Please use high-pressure hoses.
 2. For IKE series, water filter (5 µm) and high-pressure hose are available at additional cost.
 3. For ECT series, water filter (5 µm) is available at additional cost.
 4. For KYZ series, water filter (5 µm), safety device, and base (with or without caster) are available at additional cost.

Select appropriate pump units based on the CLJ product code and the number of CLJ.

► **Pump Unit Selection Table**








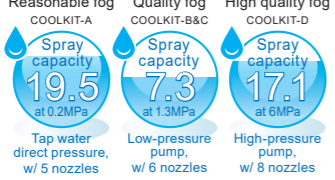
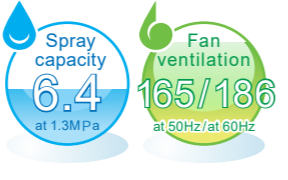
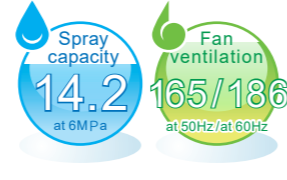
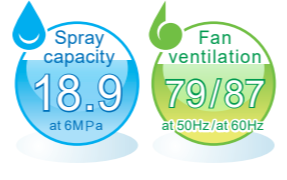
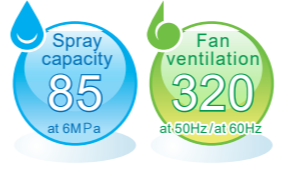
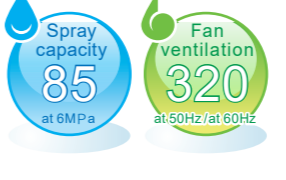
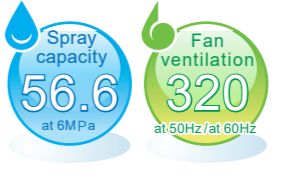
























CLJ product code	The maximum number of CLJ that can be used per one pump unit (50 Hz / 60 Hz)						
	IKE11-03IK	ECT75A-2IK	ECT75A-4IK	KYZ40E-2IK	KYZ75E-4IK	KYZ150E-9IK	KYZ220E-13IK
CLJ-300-KU	1 / 1	4 / 5	8 / 10	4 / 4	10 / 12	21 / 26	31 / 37
CLJ-590D-K	0 / 0	0 / 1	1 / 2	0 / 1	2 / 2	4 / 5	6 / 8

Note: The above number shows how many CLJ can be used with an each pump unit when operating pressure is 6 MPa.



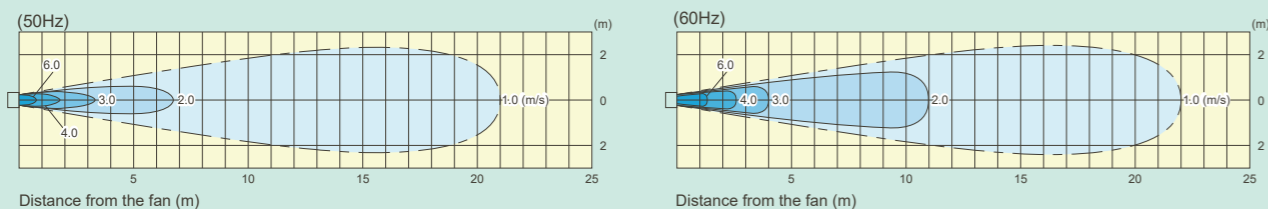
Small - Medium Scale Space Cooling

Large Scale Space Cooling

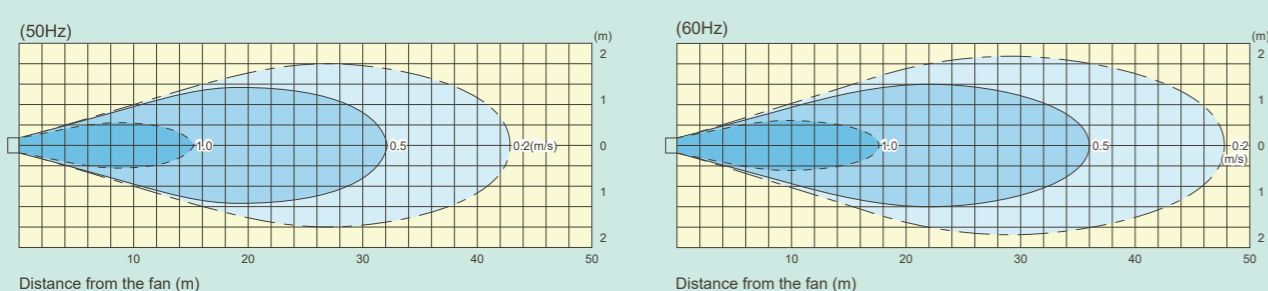
		D.I.Y., easy installation	Ready-to-use, unit type		Pump separate installation type			Ready-to-use, unit type	Total system type
Product name		Free range of installation COOLKIT-A~D  <small>*Photo shows COOLKIT-D</small>	If an electric fan is at your hand CLJ-S-E  <small>Spraying device is independently available.</small>	Portable cart type CLJ-CSA 	Where quiet sound is required CLJ-300 	For large scale space cooling and dust suppression CLJ-590D-K 	For large scale space cooling and dust suppression CLJ-590-KU (make-to-order product) CLJ-590-KU is CLJ-590D-K with the oscillation function (available with 15°, 30°, and 45°).	Ready-to-use, unit type CLJ-C590A 	Total system type CLJ-Dome 
Fan		No fan	Included	Included	Included	Included	Included	Included	Depends on installation conditions
Fan diameter (mm)		—	450	450	300	590	590	590	Depends on installation conditions
Nozzle type		KBN/LYOHM nozzle, LYOHM nozzle II	LYOHM nozzle II	LYOHM nozzle II	LYOHM nozzle II	LYOHM nozzle II	LYOHM nozzle II	LYOHM nozzle II	Depends on installation conditions
Nozzle quantity		Depends on installation conditions	6	6	8	36	36	24	Depends on installation conditions
Dimensions (mm)		Depends on installation conditions	W840×D740×H1170 (-H1280)	W575×D1020×H1320 (-H1400)	W420×D410×H930	W800×D680×H1010	W1050×D680×H1180	W1250×D990×H1360	Depends on installation conditions
Mass (kg)		Depends on installation conditions	15 (w/o water)	44 (w/o water)	12	70	88	200	Depends on installation conditions
Spray capacity (L/hr)	Fan ventilation (m³/min)	Reasonable fog COOLKIT-A Quality fog COOLKIT-B&C High quality fog COOLKIT-D 							Cooling system for indoor large-scale facilities. For details please contact us. Product leaflet is available.
Necessities for operation		  	  	  	  	  	  	  	  
Main features		D.I.Y., easy installation Tap water direct connection* <small>*COOLKIT-A~B~D only</small> Note: The spray capacity of COOLKIT-A and B varies depending on tap water pressure.	No installation work Low water level sensor w/ Pump, water tank (20L tank) Oscillation (75°)	No installation work Low water level sensor w/ Mobile cart Oscillation (75°) Intermittent operation time control Time integrator w/ Pump, water tank (50L tank) <small>*Option</small>	Quiet sound Oscillation (60°) Adjustable elevation angle (max.30°)	Dust-/ Water-proof (IP55 equivalent) Adjustable elevation angle (max.90°) w/ wheels	Dust-/ Water-proof (IP44 equivalent) Adjustable elevation angle (max.90°) w/ wheels 3-level Oscillation (15°, 30°, and 45°)	w/ Mobile cart w/ Pump Adjustable elevation angle (max.90°) Low water level sensor	Large area cooling System control Low operating cost, energy savings Minimal CO ₂ emission Easy operation

Wind Speed Distribution and Reach Distance

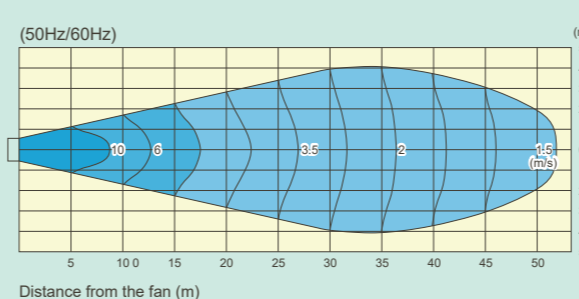
CLJ-S-E, CLJ-CSA



CLJ-300-KU



CLJ-590D-K



CLJ with pneumatic spray nozzles



For the places where wetting is prohibited!
 Capable of spraying finer droplet fog than Semi-Dry Fog®.
 No worry of wetting.

Spray capacity adjustment function is equipped!
 Spray capacity is adjustable with a pressure regulator unit as desired.

Product code	Number of nozzle equipped (pcs.)	Spray capacity (L/hr)	Air consumption (L/min, Normal)	Mean droplet diameter* (µm)
CLJ-300 with Nozzle CBIMV8004 equipped	4	18.8	140	20
CLJ-590D-K with Nozzle CBIMV80075 equipped	8	70.4	568	

*Mean droplet diameter is Sauter mean droplet diameter measured by laser Doppler method.
 Note: The above spray capacity, air consumption, and mean droplet diameter are measured at compressed air pressure of 0.3 MPa and liquid pressure of 0.15 MPa. Spray capacity, air consumption, and mean droplet diameter will vary depending on pressure conditions. Please feel free to contact us for details.