

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

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



IKE series



KYZ series

The pumps in photos may differ from the actual products.

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	212×356×233	8.5	6	18.0 (50 Hz) (60 Hz)	100–240 V AC (Single phase)	110	<ul style="list-style-type: none"> • Pressure gauge • Direct connection to tap water (w/o water tank) • Low water level sensor • Time integrator • Intermittent operation time control
KYZ40F-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/ float valve) • Low water level sensor • Time integrator
KYZ75F-4IK	435×755×550	60		195 (50 Hz) 236 (60 Hz)		750	
KYZ150F-9IK	435×770×550	65		414 (50 Hz) 500 (60 Hz)	200 V AC (3-phase)	1,500	
KYZ220F-13IK	485×820×605	70		586 (50 Hz) 708 (60 Hz)		2,200	<ul style="list-style-type: none"> • Pressure gauge • Water tank (15 liters, w/ float valve) • Low water level sensor • Time integrator

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 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

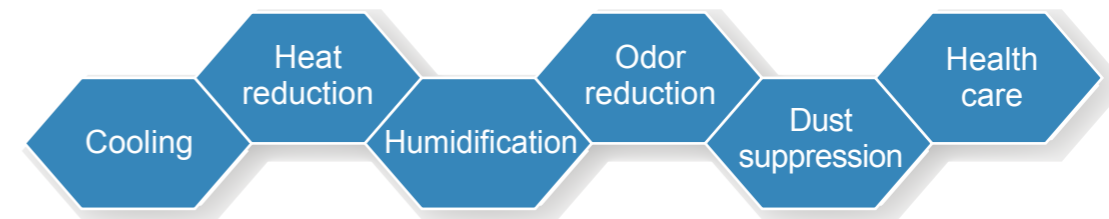
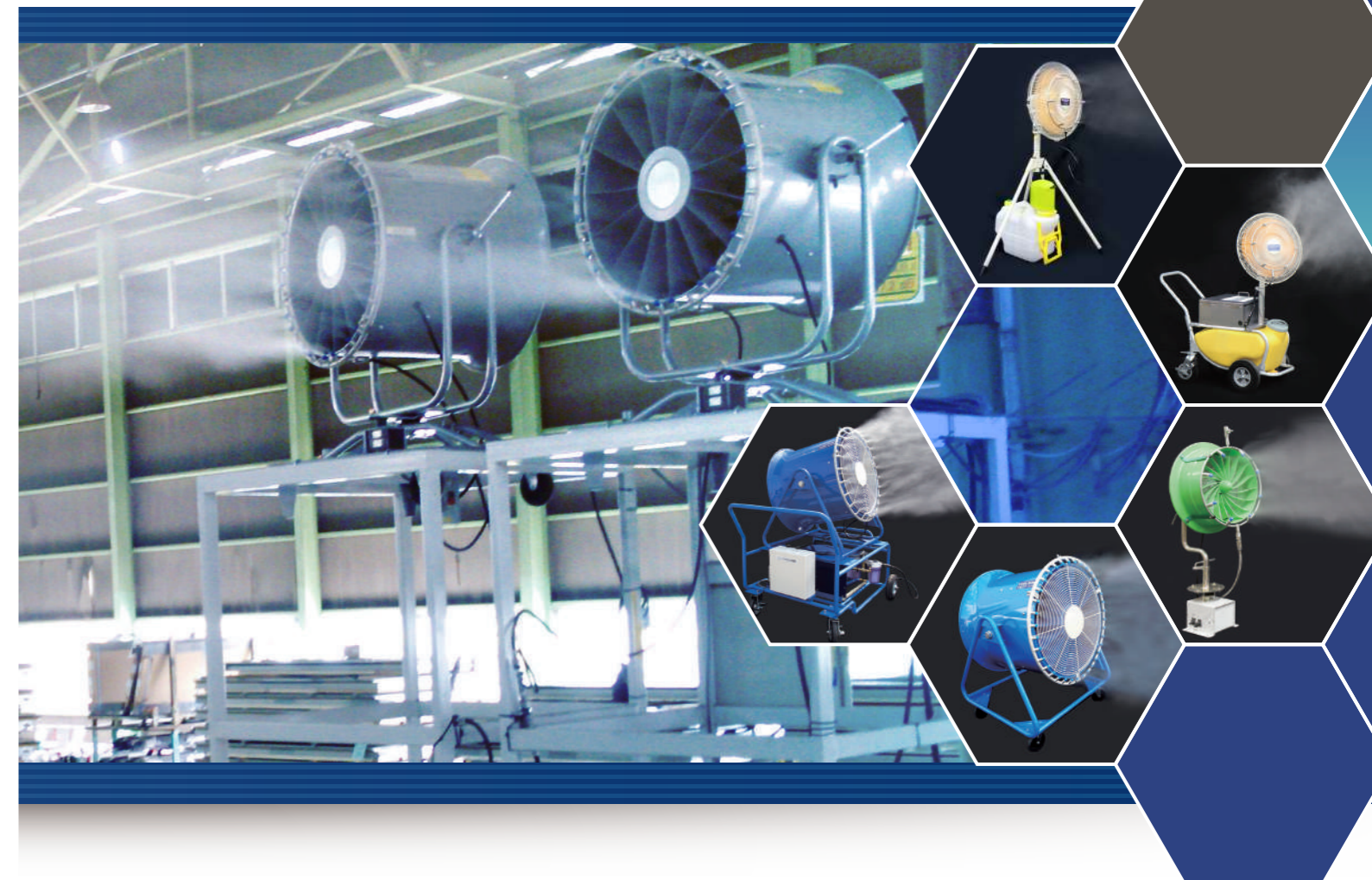
CLJ product code	The maximum number of CLJ that can be used per one pump unit (50 Hz / 60 Hz)				
	IKE11-03IK	KYZ40F-2IK	KYZ75F-4IK	KYZ150F-9IK	KYZ220F-13IK
CLJ-300-KU	1 / 1	4 / 4	10 / 12	21 / 26	31 / 37
CLJ-590D-K	0 / 0	0 / 1	2 / 2	4 / 5	6 / 8

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

Fog + Fan Cooling Unit






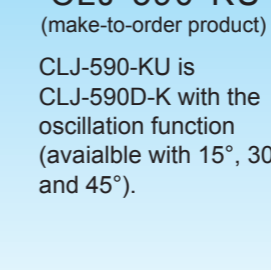


COOLJetter®

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.

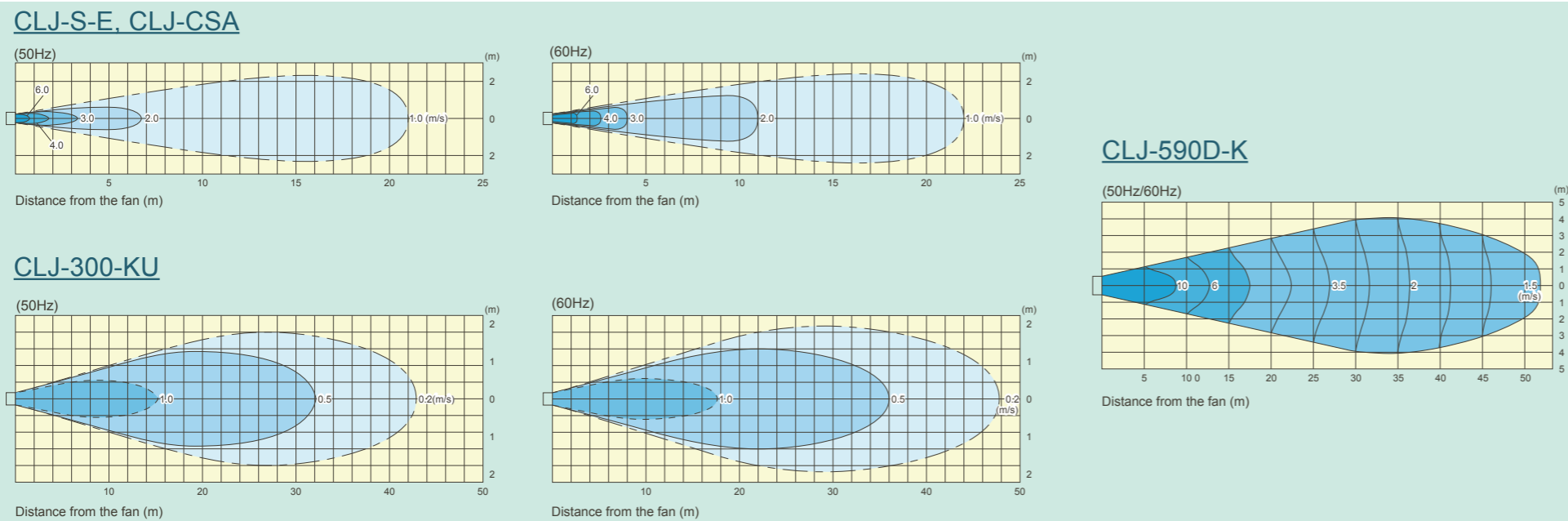


Small - Medium Scale Space Cooling

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								
Free range of installation COOLKIT-A~D  <p>*Photo shows COOLKIT-D</p>		If an electric fan is at your hand CLJ-S-E  <p>Spraying device is independently available.</p>		Portable cart type CLJ-CSA 		Where quiet sound is required CLJ-300-KU 	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 Operation of 2 or more CLJ series CLJ-Dome 					
Fan		No fan		Included		Included	Included	Included	Depends on installation conditions						
Fan diameter (mm)		—		450		300	590	590	Depends on installation conditions						
Nozzle type		KBN/LYOHM nozzle, LYOHM nozzle		LYOHM nozzle		LYOHM nozzle	LYOHM nozzle	LYOHM nozzle	Depends on installation conditions						
Nozzle quantity		Depends on installation conditions		6		8	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				
Power supply		Depends on COOLKIT models		100 VAC		100 VAC	100 VAC	200 VAC (3-phase)	200 VAC (3-phase)	200 VAC (3-phase)	Depends on CLJ models				
Spray capacity (L/hr)	Fan ventilation (m³/min)	Reasonable fog COOLKIT-A	Quality fog COOLKIT-B&C	High quality fog COOLKIT-D	Spray capacity 6.4 at 1.3MPa Fan ventilation 165/186 at 50Hz/at 60Hz	Spray capacity 14.2 at 6MPa Fan ventilation 165/186 at 50Hz/at 60Hz	Spray capacity 18.9 at 6MPa Fan ventilation 79/87 at 50Hz/at 60Hz	Spray capacity 85 at 6MPa Fan ventilation 320 at 50Hz/at 60Hz	Spray capacity 85 at 6MPa Fan ventilation 320 at 50Hz/at 60Hz	Spray capacity 56.6 at 6MPa Fan ventilation 320 at 50Hz/at 60Hz	Cooling system for indoor large-scale facilities. For details please contact us. Product leaflet is available.				
		Tap water direct pressure, w/ 5 nozzles	Low-pressure pump, w/ 6 nozzles	High-pressure pump, w/ 8 nozzles											
Necessities for operation		Power supply Water supply Pump		Power supply Water supply Pump		Power supply Water supply Pump		Power supply Water supply Pump		Power supply Water supply Pump					
Main features		D.I.Y., easy installation Tap water direct connection* *COOLKIT-A~B~D only 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) Tap water direct connection* *Option		Quiet sound Oscillation (60°) Adjustable elevation angle (max.30°)		Dust-/ Water-proof (IP55) Adjustable elevation angle (max.90°) w/ wheels		Dust-/ Water-proof (IP44) 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 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.

CLJ-300-KU (w/ pneumatic nozzles CBIMV8004 equipped)

Product code	Number of nozzle equipped (pcs.)	Spray capacity (L/hr)	Air consumption (L/min, Normal)	Mean droplet diameter* (µm)
CLJ-300-KU 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.