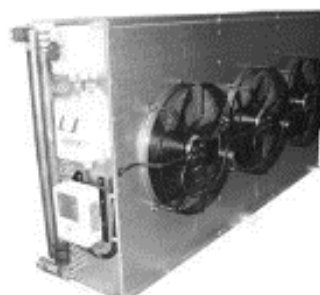


Item	Quantity	Model	Description
A	5	Uniflair IXEV2622	Twin circuit glycol cooled direct expansion energy saving units each complete with 1 no. (one) RAL5700 matching external dry cooler as detailed in the technical data sheet(s) ref. QC9544r4tea including the following features:



IXEV2622 Included Features:

- Downflow configuration (top return)
- Cooling only
- Dual Power supply with auto changeover
- Separate fan module 565mm high with adjustable feet kit (both supplied loose)
- EU4 filter and dirty filter alarm
- R410A DX refrigerant circuit with brazed plate heat exchanger
- Integrated free-cooling coil with automatic flow control valves
- Scroll compressors, incl. one with variable speed drive
- Electronic Expansion Valves
- E.C. energy saving backward curved fans
- Microprocessor based control system with touchscreen interface and Modbus TCP/IP interface¹
- Remote enable via BMS interface
- LAN connection for run/standby operation and duty rotation²
- Supply or Return air temperature control
- Refrigerant side head pressure control
- Automatic Floor Pressurisation System (AFPS) including 1 x remote sensor³
- Open adjustable baseframe kit, 200-600mm high (supplied loose)
- Standard unit colour
- Dry cooler fan speed control⁴
- Dry cooler with horizontal air flow
- Dry cooler power from indoor unit facility⁴

¹ Supplied loose for fitting by others. Programming and commissioning by the controls company.

² Interconnecting LAN cable to be supplied & fitted by others. Maximum of 10 units in a group.

³ AFPS underfloor / in-space termination units & connecting tubing to be fitted by others. Unit interconnecting LAN cable to be supplied & fitted by others. Maximum of 10 units in a group.

⁴ Interconnecting control cable & power cable between indoor unit and dry cooler by others. External temperature sensor (supplied free issue) installation and connection to indoor unit by others.

DATA SHEET REF : **QC9544r4tea**
UNIT TYPE : **Glycol Cooled Energy Saving**

MODEL/VERSION SELECTED : **IXEV2622**

Return air dry bulb temperature **33 °C**
 relative humidity (not controlled) **20±10 %rh**
Supply air dry bulb temperature **22 °C**

COOLING		Mechanical Cooling	Free Cooling
Water/glycol temperatures	(flow/return)	39.2/44.7	14.6/19.2 °C
Ethylene glycol antifreeze		20%	20%
Total cooling capacity at coil			86.4 kW
Sensible cooling capacity at coil			86.4 kW
Net sensible cooling capacity			82.0 kW
Sensible heat ratio			1.00

No. of cooling circuits (each unit) 2
No. of compressors 2
Compressor type 1 inverter scroll + 1 fixed speed scroll
Refrigerant type R410A
Total Compressor(s) power absorbed 17.8 kW
Total heat rejection to coolant 104.2
Flow Rate 4.7 l/s
Pressure drop (inc. free cooling coil) 60 kPa

Air pattern downflow
Air volume 6.50 m³/s
External static pressure 20 Pa
No. of fans (direct drive system) 2
Fan type backward curved centrifugal with e.c. motor
Total Fan(s) power absorbed 4.4 kW
Filter efficiency EU4

Heating type None
Heating capacity N.A kW

Humidifier type None
Humidifier capacity N.A. kg/h

Power supply **400/3+N/50 V/ph/Hz**
Unit run current (incl. dry cooler) 49.6 Amps
Unit full load current (incl. dry cooler) 74.3 Amps

Dimensions width 2082 mm
 depth 900 mm
 height 2150 mm*
 height fan deck 565 mm*
Weight 765 kg

Sound pressure level (Free field) dB(A) 65.6 @ 2m

Please note that all sound levels are measured 1.0m above floor level. Downflow unit levels are based on normal working conditions supplying air to a 300mm deep floor and exclude the effect of floor grilles.

** excludes height of optional plenum/ floor stand*

For unit with front discharge (instead of supply into floor void) please contact Uniflair for noise data

Data subject to measurement tolerances prescribed in EN 14511 and EN ISO 3744 standards

Uniflair has a policy of continuous technological innovation and reserves the right to amend product data at all times. Prior notice may not be possible in all circumstances.

** fan module below raised floor and open on all sides (supplied loose)*

	:				
	:				
DATA SHEET REF	:				QC9544r4tea (cont.)
UNIT TYPE	:				Dry Cooler
DRY COOLER SELECTED	(per indoor unit)	1	x		RAL5700
Matching room unit model	:				IXEV2622
External ambient temperature	:				35 °C
Water/glycol temperatures	(flow/return)				39.2/44.7 °C
Glycol content					20 %
Water flow rate					4.7 l/s
Pressure drop					17 kPa
Water Volume					91 litres
Air volume					15.0 m³/s
Direction of airflow					horizontal
Type of fan					axial
Number of fans					3
Number of poles					6
Electrical supply (3Ph+N,50Hz)					400 V
Unit run current					11.4 Amps
Unit absorbed power					6.1 kW
Dimensions	width				4320 (4320) mm
	depth				727 (1260) mm
	height				1260 (1247) mm
(Figures in brackets for unit with optional leg kit for vertical air discharge)					
Weight					391 kg
Sound Pressure Levels (Free field)					
Horizontal discharge	dB(A)				60.5 @ 10m
Vertical discharge	dB(A)				56.5 @ 10m
(with optional leg kit)					

Please note that all sound levels are measured 1.0m above ground level.

Dry cooler power supply must be taken from nearest convenient local source, not from room unit; unless specified.

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