

EURO-AC

Air Dryer

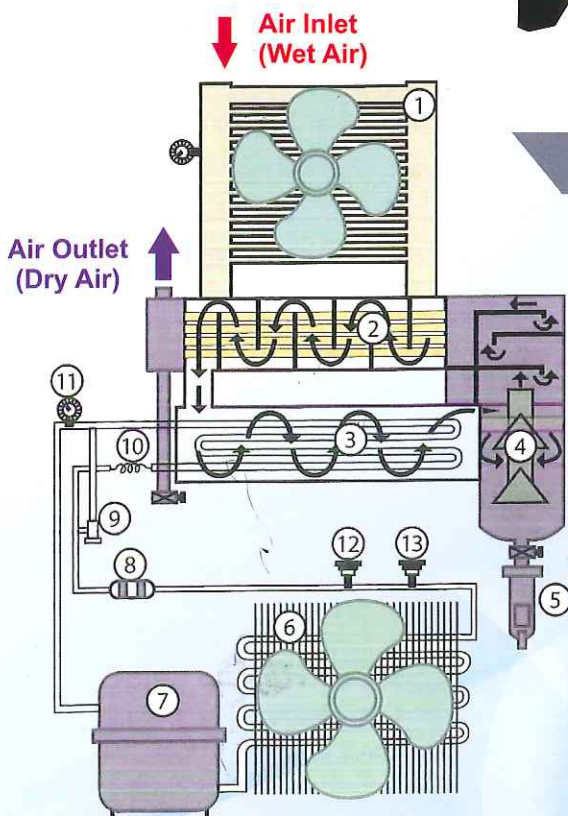
Euro Compressor Group

High-Inlet Temperature Refrigerated AIR DRYER



AC SERIES
Suitable For
Tropical Climate

FLOW DIAGRAM & HOW IT WORKS



1. After Cooler (Air Cooled)
2. Pre-Cooler / Re-Heater
3. Evaporator
4. Moisture Separator
5. Condensate Auto Drain
6. Condenser Unit
7. Freon Compressor
8. Filter Drier
9. Hot Gas By-Pass Valve
10. Expansion Valve
11. Low Pressure Switch
12. High Pressure Switch
13. Fan Pressure Switch

TECHNICAL PARAMETERS OF AIR-COOLED TYPES

MODEL	Inlet Capacity (M3/min)	Electrical Supply	Design	Connection (Inches)	L* W* H* (mm)	KG
AC-10	1.2	240V/1/50Hz	Shell - Tube Heat Exchanger	G1"	650 x 500 x 780	60
AC-20	2.5	240V/1/50Hz		G1"	750 x 500 x 820	70
AC-30	3.5	240V/1/50Hz		G1 ½"	700 x 550 x 1180	120
AC-50	6.8	240V/1/50Hz		G1 ½"	700 x 700 x 1380	140
AC-75	10	240V/1/50Hz		G2"	1200 x 600 x 1140	260
AC-100	13	415V/3/50Hz		G2"	1300 x 700 x 1220	330
AC-150	18	415V/3/50Hz		DN80	1300 x 700 x 1220	400
AC-200	25	415V/3/50Hz		DN80	1350 x 700 x 1500	500
AC-250	27	415V/3/50Hz		DN80	1350 x 700 x 1500	560
AC-300	34	415V/3/50Hz		DN80	1700 x 1000 x 1700	650
AC-400	45	415V/3/50Hz		DN100	1700 x 1000 x 1700	760

Data refer to the normal condition: Inlet Temperature 80°C, Ambient Temperature 38°C & Inlet Pressure 7 barg @ Pressure Dew Point +3°C

Max Inlet Temperature: 80°C, Max Inlet Pressure: 16 barg, Max Ambient Temperature: 45°C

Refrigerant: R407C (Standard), AC30 - AC200 (with separate after cooler)

Capacity Correction Factors

Inlet Air Pressure (barG)

barG	4	5	6	7	8	9	10	13	16
Factor	0.75	0.84	0.92	1.00	1.03	1.07	1.09	1.18	1.23

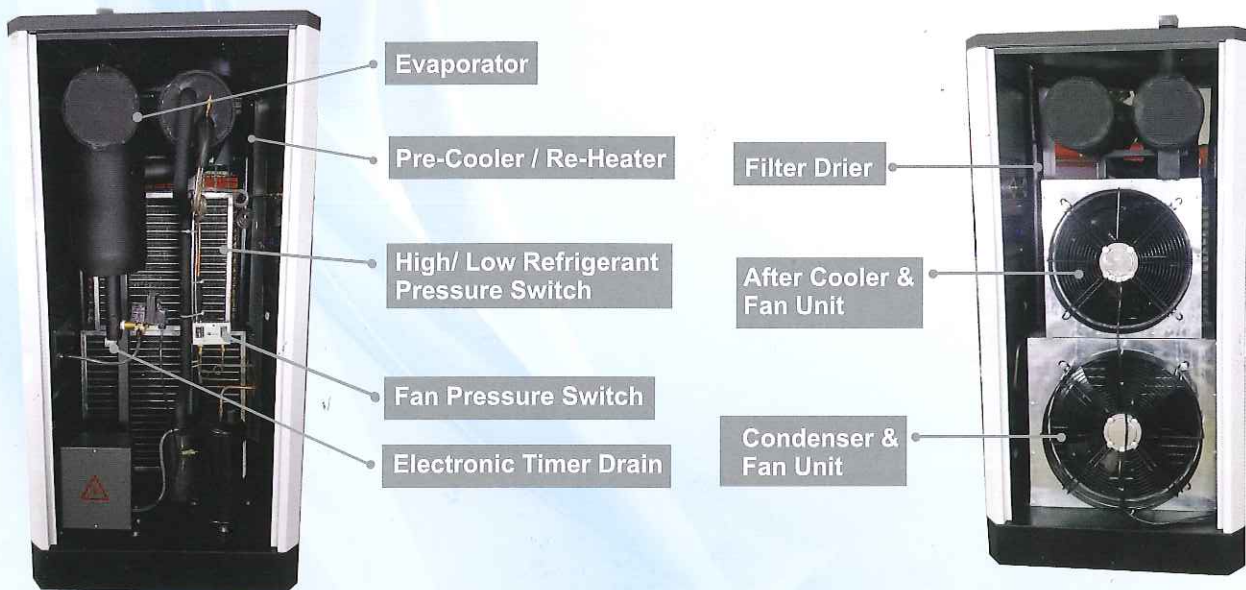
Inlet Air Temperature (°C)

°C	50	55	60	65	70	75
Factor	1.15	1.08	1.00	0.83	0.73	0.60

Ambient Air Temperature (°C)

°C	25	30	35	40	43	50
Factor	1.20	1.06	1.00	0.75	0.60	0.45

••• DESIGN ASSEMBLY & FEATURES •••



ALKA ENGINEERING SERVICES (M) SDN. BHD.

(957767-K) GST: 000261292032

No.23, Jalan Industri USJ 1/3, Taman Perindustrian USJ 1,

47600 Subang Jaya, Selangor Darul Ehsan.

Tel : +603-8081 8097 Fax : +603-8024 9097

H/P : +6016-207 9097 (Office)

+6016-331 9097 / +6016-335 9097 / +6016-206 9097

Website : www.alka.com.my / www.newcompressor.com.my

Email : sklee_alka@yahoo.com / info@newcompressor.com.my