

ATLAS COPCO COMPRESSED AIR DRYERS



Refrigerant Dryer
F 25-400

Sustainable Productivity

Atlas Copco

i *Dry, clean air: reliable, safe production*

The Atlas Copco F dryer cools compressed air to remove all humidity:

- Protect your tools
- Safeguard your products
- Minimize maintenance
- Reduce costs



FEATURES AND BENEFITS

Cost savings

- Your tools last longer
- Fewer system and tool repairs
- Low maintenance

Easy installation and operation

- Plug and play
- Only one electrical connection
- Digital controller with easy pressure dewpoint display

Great performance and reliability

- Lower production and product failure rate
- Steady pressure dewpoint
- Quality compressor with low power requirements
- Efficient and reliable AL-heat exchanger

Environment-friendly

- Low power consumption
- Low impact R134a/R410a refrigerant



- 1 Refrigerant compressor
- 2 Refrigerant condenser
- 3 Motor fan
- 4 Evaporator
- 5 Condensate drain
- 6 Refrigerant filter
- 7 Capillary
- 8 High pressure switch
- 9 Hot gas bypass valve
- 10 Digital controller with pressure dewpoint display

THE DIGITAL CONTROLLER SHOWS THE DEWPOINT:

- Easy to read
- Exact dewpoint measurement and visual monitoring
- No production losses because of poor pressure dewpoint



TECHNICAL SPECIFICATIONS

Model	Inlet capacity l/s	Pressure drop bar	Power consumption @50Hz W	Maximum working pressure bar	Electrical supply	Dimensions			Weight kg	Compressed air connections
						Length	Width	Height		
						mm	mm	mm		
F 25	25	0.25	360	13	230V/1Ph/50Hz	550	370	800	32	G3/4"
F 35	35	0.15	364	13	230V/1Ph/50Hz	550	370	800	36	G3/4"
F 55	55	0.14	951	13	230V/1Ph/50Hz	520	500	800	60	G1"
F 75	75	0.10	988	13	230V/1Ph/50Hz	550	600	980	68	G1.5"
F 95	95	0.10	1000	13	230V/1Ph/50Hz	550	600	980	75	G1.5"
F 120	120	0.10	1125	13	230V/1Ph/50Hz	550	600	980	85	G2"
F 140	140	0.10	1674	13	230V/1Ph/50Hz	900	750	1000	120	G2"
F 180	180	0.25	1700	13	230V/1Ph/50Hz	1025	660	1120	130	G2.5"
F 230	230	0.25	1900	13	230V/1Ph/50Hz	1025	660	1120	135	G2.5"
F 285	285	0.25	2220	13	230V/1Ph/50Hz	1025	660	1120	150	G2.5"
F 335	335	0.25	2610	13	230V/1Ph/50Hz	1025	660	1120	155	G2.5"
F 400	400	0.25	2900	13	230V/1Ph/50Hz	1100	800	1200	180	G3"

Refrigerant types:

R134a for F 25-35, R410a for F 55-400

Reference conditions:

Ambient temperature: 25 °C

Inlet temperature: 35 °C

Working pressure: 7 bar(g)

Limitations:

Maximum ambient temperature: 45 °C

Minimum ambient temperature: 5 °C

Maximum inlet temperature: 55 °C

Maximum working pressure @ 13 bar

Correction factors:

Correction factors for different ambient temperatures

Ambient temperature °C	25	30	35	40	45
Correction factor	1	0.91	0.81	0.72	0.62

Correction factors for different inlet temperatures

Inlet temperature °C	25	30	35	40	45	50	55
Correction factor	1	1	1	0.82	0.69	0.58	0.45

Correction factors for different inlet pressures

Inlet pressure (bar)	5	6	7	8	9	10
Correction factor	0.9	0.97	1	1.03	1.06	1.08

Correction factors for different outlet pressure dewpoints

Outlet pressure dewpoint °C	10	7	3
Correction factor	1.1	1	0.8

