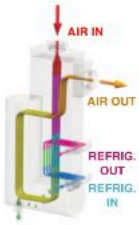
DRYER
Line

MADE IN ITALY

HOT GAS BY-PASS
Allows the refrigerant compressor's capacity to be adapted to the evaporator load, thus avoiding the formation of ice under any operating condition.

REFRIGERANT GAS R513A
Ozone-friendly (ODP = 0) and non-flammable (ASHRAE safety class A1).

ALU-DRY MODULE
The ALU-DRY aluminum drying module has the exclusivity of completely directing the flow of humid air along a descending vertical path, therefore with naturally facilitated condensation drainage.
The circulation of the refrigerant in the system is entrusted to high-efficiency piston and rotary refrigeration compressors which, thanks to their construction characteristics, allow a strong reduction in consumption and offer high reliability.



CONTROL PANEL DMC35
Using the digital display, it displays the dew point temperature (DewPoint), the total operating hours of the dryer, with a cyclic timer it controls the condensate drain solenoid valve, with a probe it detects the temperature (AMD32 ÷ 3) or the condensation pressure (AMD220 ÷ 43) and activates the condenser cooling fan.

CONDENSATE DRAIN
Electronic system to drain the condensate interfaced to the DMC34 controller. Discharge and pause times are adjustable. Drainage group includes also a ball isolation valve and a strainer. A zero loss drain is available as an option.

CORRECTION FACTOR CHANGE
OPERATING PRESSURE

BAR	4	5	6	7	8	10	12	14	15	16
FACTOR	0.77	0.86	0.93	1.00	1.05	1.14	1.21	1.27	1.30	1.33

CORRECTION FACTOR CHANGE
AMBIENT TEMPERATURE

°C	≤25	30	35	40	45
FACTOR	1.00	0.98	0.95	0.88	0.80

CORRECTION FACTOR CHANGE
INLET AIR TEMPERATURE

°C	≤30	35	40	45	50	55
FACTOR	1.15	1.00	0.84	0.71	0.59	0.50

CORRECTION FACTOR CHANGE
DEWPOINT TEMPERATURE

°C	3	5	7	10
FACTOR	0.91	1.00	1.10	1.26

LA PADANA
AIR COMPRESSORS
DRYER

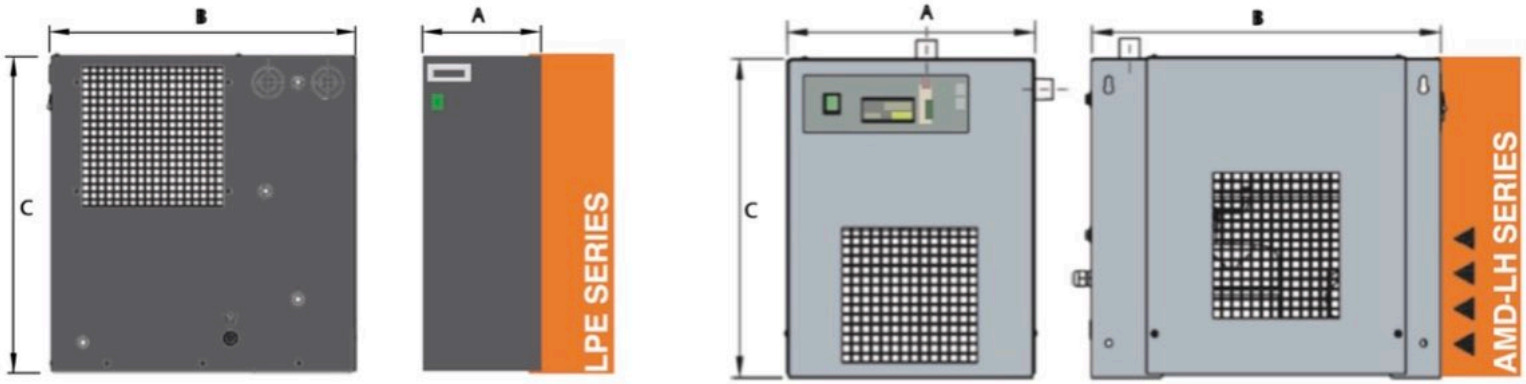
LPE Series AMD Series

PERFORMANCE

AMD-LH dryers achieve excellent performance even under high ambient and high inlet temperature conditions. The highly efficient and ultra-compact heat exchanger can operate effectively in ambient temperatures up to 45 °C and inlet temperatures up to 55 °C, ensuring a reduced compressed air pressure drop.

ECONOMIC

AMD-LH dryers are sized to match standard compressor outputs. For example, a 15 KW (20 HP) air compressor with a theoretical output of 2,400 L/min at 7 bar matches the AMD-LH 25, rated at 2,500 L/min. Therefore, it is unnecessary to select a larger model: the air compressor–dryer combination is tested and certified by La Padana within the operating limits shown in the technical features.



Code	Model	HP	KW	L/min	CFM	m³/h	Connections	Pressure Drop	Volt/Fr/Ph	A (mm)	B (mm)	C (mm)	kg
94700	LPE 4	5.5	4	585	21	36	G 1.2"	0.04	220/50-60/1	220	560	460	23
94701	LPE 9	7.5	5.5	1000	35	60	G 1.2"	0.09	220/50-60/1	220	560	460	24
94702	LPE 12	10	7.5	1200	42	72	G 1.2"	0.14	220/50-60/1	220	560	460	25
94703	LPE 18	15	11	1800	64	108	G 1"	0.32	220/50-60/1	220	560	460	27
94704	LPE 25	25	18.5	2400	88	150	G 1"	0.24	220/50-60/1	220	560	460	29
94705	LPE 32	30	22	3000	105	180	G 1"	0.16	220/50-60/1	220	560	460	32
94400	AMD-LH 3	4	3	350	12	21	G 3.8 "BSP-F	0.15	220/50-60/1	310	345	435	21
94401	AMD-LH 6	5.5	4	600	21	36	G 1.2 "BSP-F	0.04	220/50-60/1	370	515	475	25
94402	AMD-LH 9	7.5	5.5	950	34	57	G 1.2 "BSP-F	0.09	220/50-60/1	370	515	475	26
94403	AMD-LH 12	10	7.5	1200	42	72	G 1.2 "BSP-F	0.14	220/50-60/1	370	515	475	28
94404	AMD-LH 18	15	11	1800	64	108	G 1.2 "BSP-F	0.32	220/50-60/1	370	515	475	32
94405	AMD-LH 25	20	15	2500	88	150	G 1 "BSP-F	0.24	220/50-60/1	345	420	740	34
94406	AMD-LH 32	25	18.5	3200	113	192	G 1.1/4 "BSP-F	0.16	220/50/1	345	445	740	39
94407	AMD-LH 43	30	22	4300	152	258	G 1.1/4 "BSP-F	0.24	220/50/1	345	445	740	40
94408	AMD-LH 52	30	22	5200	184	312	G 1.1/4 "BSP-F	0.34	220/50/1	345	445	740	41
94409	AMD-LH 61	40	30	6100	216	366	G 1.1/2 "BSP-F	0.19	220/50/1	555	580	885	54
94410	AMD-LH 75	50	37	7500	265	450	G 1.1/2 "BSP-F	0.25	220/50/1	555	580	885	56
94411	AMD-LH 105	75	55	10500	371	630	G 2 "BSP-F	0.14	220/50/1	555	625	975	94
94412	AMD-LH 130	75	55	13000	459	780	G 2 "BSP-F	0.20	220/50/1	555	625	975	96
94413	AMD-LH 168	120	90	16800	594	1008	G 2.1/2 "BSP-F	0.15	220/50/1	665	725	1100	144