SPX

Refrigerated Air Dryers

TXK · FLEX · HXK Series

Jemaco

FLEX Series

Refrigerated Air Dryers

The FLEX series are optimized air dryers for hot and humid climate in the tropical regions. An advanced stainless steel brazed plate heat exchanger is applied, and it deters refrigeration load with great efficiency of heat-transfer. The innovative and simplified refrigeration circuit provides reliable operation, low operating cost and versatile installation.

Feature

Optimized for hot and humid climate in the tropical regions

Stainless steel brazed plate heat exchangers optimize heat transfer and service life

Separator, re-heater and evaporator combined into 1 compact efficiency unit

Improved ventilation by up-flow coding air design

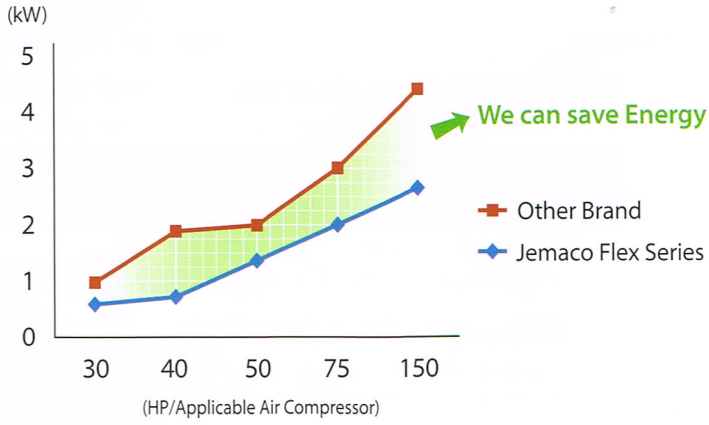
Low pressure drop reduces operating costs

Low power consumption

Easy to install package saves time and money

Environmentally friendly R-134a & R-407C refrigerants

*** Power Consumption Comparison**

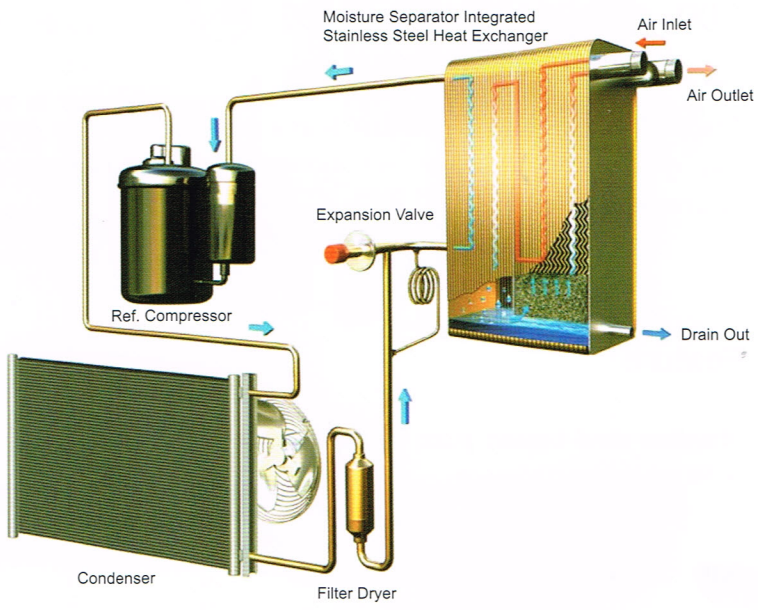


User friendly Digital Control Board II

: Dewpoint Temperature Indicator
: Compressor On Light
: Selection
: Drain Push-to-Test
: Condensate Draining

How it works

Warm, saturated compressed air enters the air to air heat exchanger and is cooled by the exiting air. The precooled air then enters the air to refrigerant heat exchanger and is further chilled causing water vapor to condense. Condensed moisture is collected from the air stream by an integral separator with stainless steel demister. Liquid condensate is removed from the separator by an automatic timer. Cold air is then reheated in the air to air heat exchanger to eliminate sweating on the downstream pipe line. Clean, dry air exits the dryer and is now qualified for use of purpose.



FLEX Series Specification

Model	Flow Capacity (㎥/min)	Unit (kW)	Power Supply	Inlet/Outlet Connecions (PT)	Weight (kg)	Dimensions(mm)			Refrigerants
						H	W	D	
FLX85	2.76	0.52	220~240V 1PH 50Hz	1"	50	641	363	881	R-134a
FLX110	3.56	0.59		1"	52	641	363	881	R-134a
FLX150	4.87	0.71		2"	67	761	443	931	R-407C
FLX240	7.79	1.36		2"	77	761	443	1031	R-407C
FLX370	12.01	2.00		2"	97	811	493	1111	R-407C
FLX450	14.06	2.38		2"	100	811	493	1111	R-407C
FLX530	17.00	2.66		2"	128	811	553	1211	R-407C

*Standard rated condition : 50℃ inlet air temperature, 7.0barG inlet pressure, 100% relative humidity, 35℃ ambient air temperature, 50Hz
*Max./Min. inlet pressure : 16 barG/3 barG, Max./Min. inlet air temperature: 65℃/4℃, Max./Min ambient air temperature : 50℃/4℃

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 (℃)

℃	40	45	50	55	60	65
Factor	1.15	1.08	1.00	0.83	0.70	0.60

Ambient Air Temperature (℃)

℃	25	30	35	40	43
Factor	1.20	1.06	1.00	0.75	0.60

Dew Point Changes (°C)

℃	3	5	7	9	10
Factor	1.00	1.09	1.18	1.30	1.33