



- Large condenser for high ambient temperatures
- Anti-recycle feature for compressor protection
- Low pressure drop across advanced heat exchangers saves energy
- The dryers have been designed for nominal standard inlet conditions as per ISO 7183 - 2007
- Dryer Quality class - ISO 8573 - 1 : 2010 (E) class -5-



Refrigeration Compressed Air Dryer
Coldspell

Specification of Dryer

Model	Item Code	Flow in scfm	Power consumption (KW) R134a/R407c	End connection	Dimension (mm)			Weight (kg)	Recommended Pre Filter** 5 Micron	Recommended Post Filter**	
					H	W	D			1 Micron	0.01 Micron
Coldspell 20	PH224	20	0.32/—	½" BSP	506	202	502	25	T100PEA	T100XIA	T100YIA
Coldspell 45	PH206	45	0.34/—	¾" BSP	420	400	430	40	T100PEA	T100XIA	T100YIA
Coldspell 50	PH193	50	0.36/—	1" BSP	525	450	475	48	T100PEA	T100XIA	T100YIA
Coldspell 60	PH194	60	0.37/—	½" BSP	525	450	475	48	T100PEA	T100XIA	T100YIA
Coldspell 80	PH195	80	0.85/—	1" BSP	675	485	525	65	T250PEA	T250XIA	T250YIA
Coldspell 100	PH196	100	0.85/—	1" BSP	675	485	525	65	T250PEA	T250XIA	T250YIA
Coldspell 150	PH197	150	1.02/—	1½" BSP	860	670	700	123	T250PEA	T250XIA	T250YIA
Coldspell 200	PH198	200	—/1.7	1½" BSP	860	670	700	129	T600PEA	T600XIA	T600YIA
Coldspell 250	PH199	250	—/1.7	1½" BSP	860	670	700	129	T600PEA	T600XIA	T600YIA
Coldspell 300	PH169	300	1.42/—	2" BSP	1275	850	800	240	T600PEA	T600XIA	T600YIA
Coldspell 400	PH170	400	1.95/—	2" BSP	1275	850	800	260	T851PEA	T851XIA	T851YIA
Coldspell 500	PH171	500	1.95/—	2" BSP	1275	850	800	290	T851PEA	T851XIA	T851YIA
Coldspell 650	PH186	650	—/3.5	2" NB	1700	1100	1425	350	T1210PEA	T1210XIA	T1210YIA
Coldspell 800	PH187	800	—/4.0	3" NB	1700	1100	1425	490	T1810PEA	T1810XIA	T1810YIA
Coldspell 1000	PH188	1000	—/5.1	3" NB	1700	1100	1425	580	T1810PEA	T1810XIA	T1810YIA
Coldspell 1250	PH189	1250	—/7.9	4" NB	1700	1100	1425	620	T2200PEA	T2200XIA	T2200YIA
Coldspell 1500	PH190	1500	—/7.9	4" NB	1700	1100	1425	900	T2600PEA	T2600XIA	T2600YIA
Coldspell 2000	PH203	2000	—/10.2	6" NB	1700	1100	1450	1020	T3400PEA	T3400XIA	T3400YIA

For any other capacity, please contact us. Specifications are subject to change without notification.

Notes :

1) All models have air-cooled condenser as the default option. Water cooled option available on request.

2) Maximum working pressure: 16 bar

3) Refrigerants :

R134a : Coldspell 20 to 150 & 300 to 500

R407C : Coldspell 200 to 250 & 650 to 2000

4) ** To be ordered separately.

Coldspell 20	— Wheel type indicator
Coldspell 40 to 800	— LED display controller
Coldspell 1000 to 2000	— Advanced LCD display controller

How to Order

Requirement :	Inlet flow	100 scfm
	working pressure	5 Kg / cm ²
	Inlet temperature	45° C
	Ambient temperature	38° C
Referring tables :	Factor Pi	= 0.84
	Factor Ti	= 1
	Factor Ta	= 1
Dryer capacity	Flow	= 100
required :	Pi x Ti x Ta	0.84 x 1 x 1
		= 119 scfm
Choose the nearest higher model :		= Coldspell 150

Correction Factor

Air Inlet Temperature °C	30	38	45	50	55	60
Correction Factor (Ti)	1.14	1.08	1.0	0.75	0.63	0.5
Ambient Temperature °C	25	30	38	43		
Correction Factor (Ta)	1.36	1.18	1.0	0.86		
Inlet Pressure Kg/cm ²	3	5	7	9	12	
Correction Factor (Pi)	0.6	0.84	1.0	1.11	1.21	

Rated nearest option B as per standard ISO 7183 - 2007



Our Other Range of Products

- Timer based Auto Drain Valve
- Level Sensing Auto Drain Valve
- Desiccant Dryer (Heatless)
- Desiccant Dryer (Heated)
- Oxygen & Nitrogen Generators



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