COMPRESSED AIR TECHNOLOGY

Refrigeration Dryers

H-PET SERIES

BENEFITS AND FEATURES

- Corrosion-free air circuit, made of copper and stainless steel
- Powder-coated housing
- Operating pressure up to 50 bar
- Made in USA/Germany

Technical Data	0.17 – 0.75	1.0 – 12.0
Inlet / Outlet	On rear	Right side panel (inlet), rear (outlet)
Bypass	–	
Air cooling	●	
Water cooling	–	○
Heat Exchanger	Stainless steel plates	
IP rating	IP 20	IP 44
Dew point indication	Colour change	Digital
Potential free alarm contact	○	●
Time-controlled condensate drain	●	○
Electronic level-controlled drain	○	●

	0.17 – 3.0	5.0 – 12.0
Refrigerant	R 134a	R404A

General Data	
Medium	Compressed Air
Housing	Steel
Colour - Panels	RAL 5015 (blue), powder-coated
Colour - Housing	Grey, powder-coated
Location	Indoors

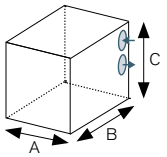
● standard ○ optional – not available

Hankison®

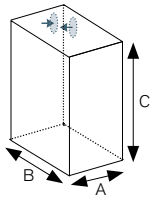
Model	Flow Rate*	Connection	Dimensions			Weight	el. Connection	Power Consumption
			A	B	C			
	m³/h		mm			kg	V/Ph/Hz	kW
HPET 0.17-725AC	51	1/2"	521	521	660	39	230V/1/50Hz	0.23
HPET 0.20-725AC	76					41		0.27
HPET 0.25-725AC	110					43		0.42
HPET 0.33-725AC	163	3/4"				48		0.59
HPET 0.50-725AC	240	1 1/2"	715	500	955	65		0.68
HPET 0.75-725AC	300					90		0.98
HPET 1.0-700 AC/WC	510	DN 50	1,026	1,223	1,277	248/221	400V/3/50Hz	1.00
HPET 1.5-700 AC/WC	740					255/255		1.46
HPET 2.0-700 AC/WC	1,090					273/271		1.60
HPET 3.0-700 AC/WC	1,360					263/275		2.55
HPET 5.0-700 AC/WC	1,730					315/320		4.48
HPET 6.0-700 AC/WC	2,300					537/580		5.60
HPET 7.5-700 AC/WC	2,900					617/600		8.02
HPET 10.0-700 AC/WC	3,280	DN 80	1,370	1,605	1,464	719/633		10.21
HPET 11.0-700 AC/WC	4,100					735/719		10.95
HPET 12.0-700 AC/WC	5,550					747/800		13.36

* ISO 7183 A1, based on the intake volume of the compressor at +20 °C and 1 bar (a), operating pressure 50/45 bar (g), inlet temperature +35 °C, ambient or cooling water temperature +25 °C, pressure dew point +3 °C

Technical data and specification are subject to change without prior notice



0.17-725 - 0.75-725



1.0-700 - 12.0-700

Design Data*	Min.	Nom.	Max.
Operating pressure	20 bar (g)	50/45 bar (g)	50/45 bar (g)
Inlet temperature	+4 °C	+35 °C	+49 °C
Ambient temperature	+3 °C	+25 °C	+43 °C

* The following correction factors need to be used to select the correct unit for other operating conditions.

Hankison® refrigerant compressed air dryers are best used with a Hankison® SF pre-filter and a HF after-filter.

Correction factors for different operating pressures in bar (g) (F_1)							
bar (g)	20	25	30	35	40	**45**	**50**
HPET 0.17 – 0.75	0.88	0.92	0.94	0.96	0.97	**0.98**	**1.00**
HPET 1.0 – 12.0					0.98	**1.00**	**–**

Correction factors for different inlet temperatures in °C (F_2)				
°C	**+35**	+40	+45	+49
HPET 0.17 – 12.0	**1.00**	0.84	0.73	0.64

Correction factors for different ambient temperatures in °C (F_3)					
°C	**+25**	+30	+35	+40	+43
HPET 0.17 – 12.0	**1.00**	0.95	0.89	0.84	0.78

Selection example		Calculation
Compressor capacity (V_1)	1,200 m³/h	$V_2 = \frac{V_1}{F_1 \cdot F_2 \cdot F_3} = \frac{1{,}200}{0.96 \cdot 0.84 \cdot 0.95} = 1{,}566$ m³/h
Operating pressure (F_1)	35 bar (g)	
Inlet temperature (F_2)	+40 °C	
Ambient temperature (F_3)	+30 °C	Selection: HPET 5.0-700
V_2	Required dryer capacity	

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