

Detailed Overview of the Large SpaceKeeper Horizontal

SKH070-100 (5½ - 8½ Tons)



Features of the Bulldog Large SpaceKeeper Horizontal Model

SKH070-100

- Small footprint
- Four configuration options
- Unpainted Galvanized steel with interior of cabinet lined with ½” acoustic insulation
- Belt drive fan motor, three phase with integral thermal overload protection
- Tandem and dual compressor options are available
- Standard 2” filter

Standard on all Bulldog Units

- Hybrid Heat Pump with no reversing valves
- Hydronic heat
- Unit mounted microprocessor with safeties and diagnostics
- Factory mounted Demand Flow and Auto Flow valves optional
- Quiet operation (Fan Coil sound levels in the heating mode)
- Special compressor isolation prevents 90% of vibration transmission
- Stainless Steel drain pan
- HFC-410A
- Optimum efficiency at 2 USgpm/ton

SKH Heating and Cooling Capacities

Heating Capacities in Btu/h SpaceKeeper Horizontal (SKH070-100)

Belt Drive			
Unit Model	SKH070	SKH080	SKH100
Nominal Air Flow (CFM)	2400	2800	3200
EWT 100 °F	53,843	60,180	67,535
EWT 105 °F	62,817	70,210	78,791
EWT 110 °F	71,790	80,240	90,046
EWT 120 °F	89,738	100,300	112,558

With EAT of 70 °F and 2 USgpm/ton

Large SpaceKeeper Horizontal (SKH)	Model	Water Loop Heat Pump	
		Cooling EWT 86 °F	
		Capacity (Btuh)	(EER Btuh/W)
	SKH070	69,175	15.3
SKH080	78,647	14.4	
SKH100	93,285	13.5	

Cooling capacities based upon EAT 80.6 °F (26 °C) DB / 66.2 °F (19 °C) WB, and EWT 86 °F (30 °C)

SpaceKeeper Horizontal Dimensional Drawing

SKH070-100

CONFIGURATIONS POSSIBLE

① Water Inlet, 1-1/4" FPT
 ② Water Outlet, 1-1/4" FPT
 ③ Condensate Drain, 3/4"
 ④ High Voltage Access, 1-1/8" Knockout
 ⑤ Low Voltage Access, 7/8" Knockout

REMARKS:
 i) Disposable fiberglass filters included. (3 - 20" x 24" x 1")
 ii) Rubber in shear isolation included.
 iii) Arrangement 4 is shown to provide essential dimensions.
 iv) Hanging clips to be placed one in each corner. Recommended position is shown. (OPT) = Optional positioning.
 v)* Water connections are positioned on the same side as the return air.

LEGEND:

(OPT) = OPTIONAL
 = Service Clearance
 = Direction of Air

(ID) = Inside Dimension

PHYSICAL DATA [in]		HANGAR DIMENSIONS			MIN. SERVICE CLEARANCE REQUIRED				
W	L	H	SUP. AIR RET. AIR (W x H)	UNIT WT (lbs)	A	B	C	D	E
36	64	24	16 x 16	54 x 20	30	33	58	30	18

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NAME	DATE
MRH	6/25/2018
DRAWN	CHECKED
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O.A.	COMMENTS:
DO NOT SCALE DRAWING	

DIMENSIONAL DATA

BULLDOG SpaceKeeper Horizontal Heat Pump Models SKH-070 through SKH-100

SIZE DWG. NO. SKH_070-100_DD REV. C
 SCALE: NTS WEIGHT: SHEET 1 OF 1

In the interest of continuous improvement, drawings can be subject to change without notice. CGC GROUP ACCEPTS NO LIABILITY FOR CHANGES IN DIMENSIONS.