

SUBMITTAL DATA

GK-H03TC/NhA-D(U)
36000 BTU/H Packaged Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted to	For	
Unit Designation	Schedule No.	



GK-H03TC/NhA-D(U)



XE7C-23/H

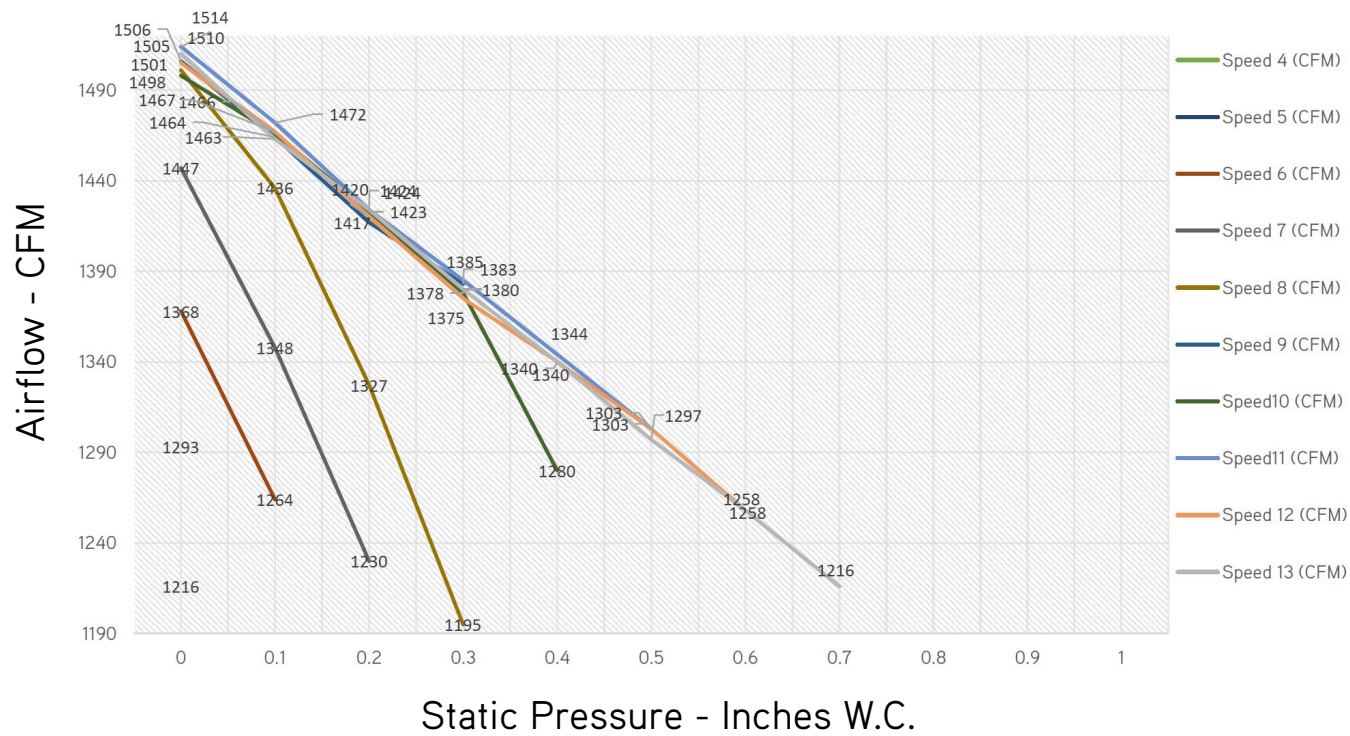
GENERAL FEATURES

- AHRI Certificate: [215866830](#)
- High efficiency, up to 18 SEER2 / 8.8 HSPF2
- Cooling range: 23°F - 125°F
- Heating range: -22°F - 75°F
- Conventional, 24 VAC thermostat control
- New R32 Refrigerant
- Intelligent Defrost Technology
- External Static Pressure can be up to 0.8 In W.c. with electric heater, 1.0 In W.c. without electric heater
- Golden Fin Equipment - 1500 Hrs Salt Spray Rating
- XE7C-23/H Programmable Wired Controller Included

SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

SYSTEM TYPE			PACKAGED HEAT PUMP		FEATURES & FUNCTIONS SUMMARY	
Model			GK-H03TC/NhA-D(U)		Compressor	Inverter
SYSTEM PERFORMANCE					Ultra Low Frequency Torque Control	Yes
Cooling	Rated Capacity @95°F	Btu/h	34,000		Power Factor Correction	Yes
Heating	Rated Capacity @47°F	Btu/h	34,000		Compressor Type	Rotary
	Rated Capacity @17°F	Btu/h	21,800		Refrigerant Type	R32
	Rated Capacity @5°F	Btu/h	29,000		Electronic Expansion Valve (EEV)	Yes
SEER2			18.0		Fin Coating	Acrylic Resin
EER2			11.2		Intelligent Defrosting	Yes
HSPF2			8.5		Intelligent Preheating	Yes
COP @5°F			1.90		Low Voltage Startup	Yes
UNIT DATA			GK-H03TC/NhA-D(U)		Low Ambient Cooling	Yes
Cooling Temperature Range		°F	23 - 125		24VAC Thermostat Compatible	Yes
Heating Temperature Range		°F	-22 - 75		Indoor Fan Type	Centrifugal
Refrigerant Type			R32		Multi Fan Speeds	Yes
Cmpressor Type			Inverter Rotary		Auxiliary Electrical Heater	Optional
Sound Pressure Level		dB(A)	65			
External Static Pressure (Min - Max)		In W.c.	0 - 1.0			
Drain Connection Size		in	3/4			
External Dimensions (W x H x D)		in	44 × 49-1/4 × 35-7/16			
Package Dimension (W x H x D)		in	44-5/8 × 50-13/16 × 35-15/16			
Net Weight		lbs	538			
Gross Weight		lbs	560			
REFRIGERANT PIPING						
Refrigerant Charge - R32		oz	176.4			
Additional Charge		oz/ft	0.2			
Port Size (Liquid - Gas)		in	1/4 - 3/8			
Pre-Charge Length		ft	33			
ELECTRICAL						
Power Supply			208-230V / 1Ph / 60Hz			
MCA		A	35			
MOCP		A	40			
Main Power Wire Size		AWG	Per Local Code			
Interconnecting Wire Size		AWG	18/2 Stranded. Shielding Recommended.			

FAN PERFORMANCE



Static Pressure (Inches W.C.)	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
Speed 4 (CFM)	1216										
Speed 5 (CFM)	1293										
Speed 6 (CFM)	1368	1264									
Speed 7 (CFM)	1447	1348	1230								
Speed 8 (CFM)	1501	1436	1327	1195							
Speed 9 (CFM)	1506	1464	1417	1383							
Speed10 (CFM)	1498	1466	1423	1378	1280						
Speed11 (CFM)	1514	1472	1424	1385	1344	1303					
Speed 12 (CFM)	1505	1467	1420	1375	1340	1303	1258				
Speed 13 (CFM)	1510	1463	1424	1380	1340	1297	1258	1216			

NOTE:

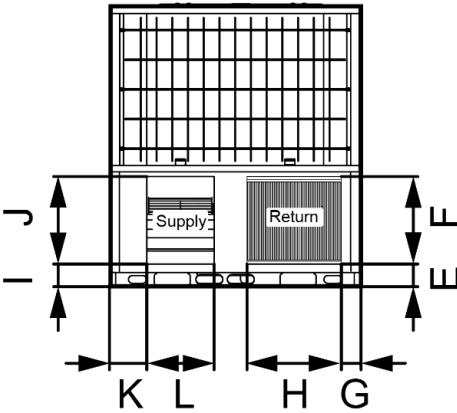
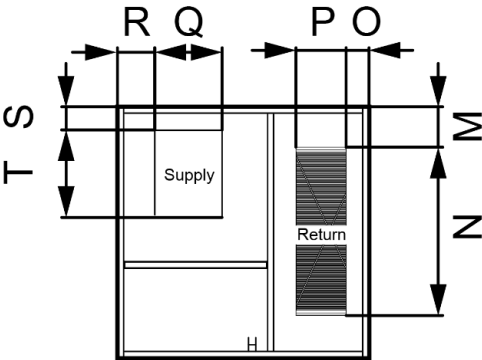
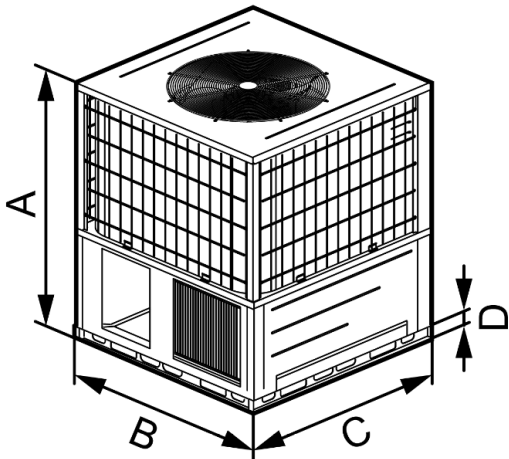
Note: Empty space in the table represent static pressure and air volume is out of range, may affect the performance and reliability. At the Bold **CFM** value, Electric heating is not allowed.

DIMENSIONS

OUTDOOR UNIT

Unit: inch

A	B	C	D
49 - 1/4	44	35 - 7/16	2 - 1/2

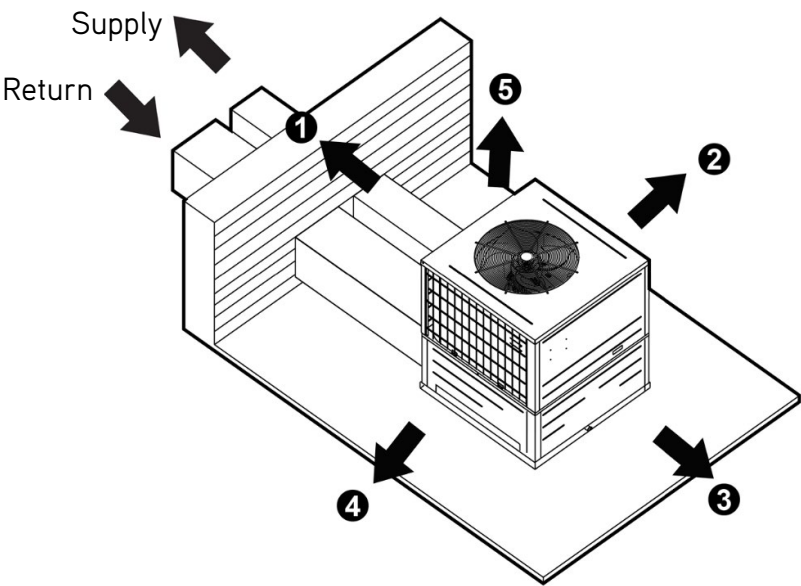


SIDE AIR VENTS							
E	SIDE OF AIR RETURN		G	I	SIDE OF AIR SUPPLY		K
	F	H			J	LA	
4 - 7/16	17 - 8/16	16 - 9/16	3 - 7/16	3 - 15/16	15 - 6/16	11 - 13/16	6 - 3/16

BOTTOM AIR VENTS							
M	SIDE OF AIR RETURN		O	R	SIDE OF AIR SUPPLY		S
	N	P			Q	T	
5 - 14/16	23 - 1/16	8 - 10/16	3 - 11/16	6 - 3/16	11 - 14/16	13 - 12/16	3 - 10/16

CLEARANCES

DIMENSION (Minimum)	Installation Clearances
1	24
2	8
3	20
4	24
5	60



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