TECHNICAL SELECTION

GHA B2240B EC-13 HP



PRELIMINARY TECHNICAL DATA

HEATING MODE ONLY

Performance data		
Cooling capacity (A2)	kW	594
Heating Capacity	kW	**782.4**
Total input power (A2)	kW	217.4
Compressor input power	kW	188.6
Input current (E0)	A	289
Power factor (E0)	-	0.84
COP heating	W/W	3.59
Source		
Altitude	m	0.00
Dry bulb outdoor air	°C	-4.0
Outdoor air Relative humidity	%	49.8
Air flow rate	m^3/h	384000
Fan input power	kW	28.8
Fan input current	A	44.8
Fans available static pressure	Pa	0.000

User		
Fluid type		Water
Fouling fact.	m^2K/k	0.0180
In/out fluid temperature	°C	**23/30**
Fluid flow rate	m^3/h	95.5
Circuit pressure drops	kPa	25

DESIGN AND SIZING DATA

GENERAL DATA		
Compressor type		Screw/INV
Number of compressors		2
Number of circuits		2
Capacity steps		infinity
Minimum capacity step	%	12.5
Refrigerant type		R513A
GWP		629.5
Total refrigerant charge (R1)	kg	66.0

DIMENSIONS		
Length	mm	12050
Width	mm	2250
Height	mm	2540
Shipping weight	kg	2650
Net weight (approx)	kg	11140

FANS		
Fan type		Axial
Fan motor		EC
Number of fans		16
Maximum input power (P1)	kW	49.6
Maximum input current (E0)	A	76.8

Hydronic connections (in/out)		
Main		6"/6"

ELECTRICAL DATA		
Nominal voltage supply	Ph/V/Hz	3/400/50
Maximum voltage supply	V	430
Minimum voltage supply	V	380
Maximum input power (P1)	kW	217.8
Maximum input current (E0)	A	916.8
Maximum peak current (E0)	A	255.9

Sound data		
Calculated sound power	db(A	103
Sound pressure(C0) [10.0 m]	db(A	72

(A0) Technical data shown are not binding. The Company shall have the right to introduce at any time whatever modifications necessary to the improvement of the product.

(A1) Dimensional data shown are not binding.

(A2) According to standard: ANSI-AHRI 551-591 (SI)

(C0) Noise pressure is calculated according to the following sound propagation method: Hemispherical ISO EN 3744 source

27: Main plant flow-rate lower limit excedeed

