TECHNICAL SELECTION

TMH 6K1500 DC-ZE HP



REF.BOX Api v 2.1

PRELIMINARY TECHNICAL DATA

COOLING[57,67]

Performance data		
Cooling capacity (A2)	kW	1555
Spare Capacity	-	17.6%
Total input power (A2)	kW	451.2
Compressor input power	kW	451.2
Input current (E0)	A	719
Power factor (E0)	-	0.91
Heat capacity	kW	2022
COP heating	W/W	4.48
Source		
Fluid type		Water
Fouling fact.	m^2K/k	0.0440
In/out fluid temperature	°C	54.00/68.79
Fluid flow rate	m^3/h	121.6
Circuit pressure drops	kPa	5.57

User		
Fluid type		Water
Fouling fact.	m^2K/k	0.0180
In/out fluid temperature	°C	30.00/22.97
Fluid flow rate	m^3/h	192.1
Circuit pressure drops	kPa	43.6

DESIGN AND SIZING DATA

GENERAL DATA		
Compressor type		Turbocor
Number of compressors		6
Number of circuits		1
Capacity steps		Inverter
Minimum capacity step	%	-
Refrigerant type		R1234ze
GWP		1.37
Total refrigerant charge (R1)	kg	350

DIMENSIONS		
Length	mm	8000
Width	mm	2250
Height	mm	2500
Shipping weight	kg	9815
Net weight	kg	11382

Hydronic connections (in/out)		
Main		5"/5"
Source water		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	564.5
Maximum input current (E0)	A	900
Maximum peak current (E0)	A	755

Sound data		
Calculated sound power	db(A	99
Sound pressure(C0) [10.0 m]	db(A	66

(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

57: Expert users cold user temperature upper limit enabled

67: Expert users source temperature upper limit enabled