

J&E Hall HS 2024

Specifications

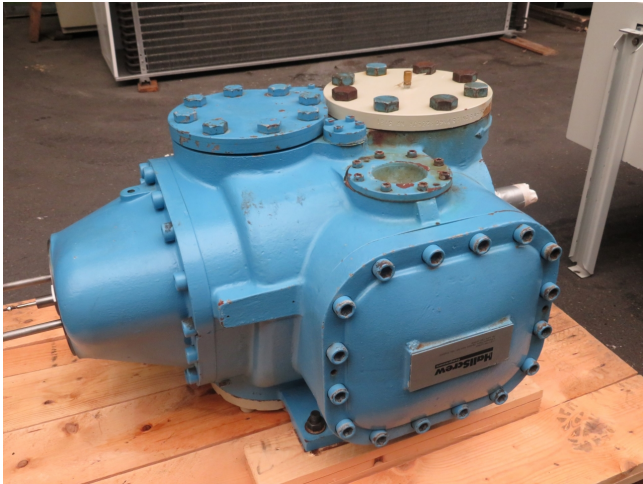
Brand	J&E Hall
Type	HS 2024
Refrigerant	NH 3 / Freon
kW at +10°C/+40°C	1186,9
kW at 0°C/+40°C	804,1
kW at -5°C/+40°C	650,6
kW at -10°C/+40°C	519,2
Remarks	y.o.b. 2000
Sizes	800x800x500 mm (LxWxH)
Stock	1



Description

Used J&E Hall HS 2024

Used Hallscrew compressor HS 2024
VR=2.2



Compressor Type				
Open Drive				
Volume Ratio	2.2			
Refrigerant	R717 (NH ₃)			
Unit of Measure	SI (kW, C)			

Operating Condition				
Suction [°C]	0.00			
Delivery [°C]	40.00			
Suction Superheat				
Total [K]	5.00			
Useful [K]	5.00			
Liquid Subcooling				
Total [K]	5.00			

Compressor Cooling				
External oil cooling	☒			
Temperature of injection of the oil [°C]	40.00			
Liquid injection cooling	☒			
Controlled del. Temperature [°C]	75.00			
Economiser options				
Both	☐	Temp. Diff. [K]	5.00	
Economised	☐	Superheat [K]	5.00	
Not Economised	☒			

Compressor Capacity				
Inverter drive	☐			
Frequency [Hz]	50			
Speed [rpm]	2980			
Part Load [%]	100.00			
Capacity [kW]				

RESULTS OF THE SELECTION				
HSO 2024	Ext. Oil / No Eco	Ext. Oil / Eco	Liq. Inj / No Eco	Liq. Inj / Eco
Speed [rpm]	2980	-	2980	-
Volume Ratio	2.2	-	2.2	-
Full load capacity [kW]	821.6	-	804.1	-
Full load shaft power [kW]	172.6	-	175.9	-
Full load COP	4.76	-	4.57	-
Suction mass flow rate [kg/s]	0.74	-	0.72	-
Delivery Temperature [°C]	73.3	-	75.0	-
Liquid temperature at expansion valve [°C]	35.00	-	35.00	-
Oil cooler duty [kW]	86.73	-	-	-
Oil injection flow rate [m³/h]	4.96	-	-	-
Liquid injection cooling load [kW]	-	-	89.1	-
Liquid injection mass flow rate [kg/s]	-	-	6.07	-
Economiser gauge [°C]	-	-	-	-
Liquid cooling load in subcooler [kW]	-	-	-	-
Economiser mass flow rate [kg/s]	-	-	-	-