

J&E Hall Ciat HS 2024

Specifications

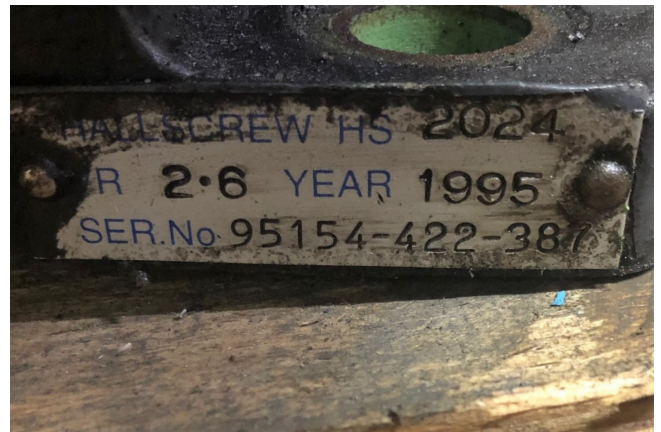
Brand	J&E Hall
Type	Ciat HS 2024
Refrigerant	NH 3 / Freon
kW at +10°C/+40°C	1184,8
kW at 0°C/+40°C	803,7
kW at -5°C/+40°C	651
kW at -10°C/+40°C	520,3
kW at -20°C/+40°C	316
Remarks	y.o.b. 1995
Sizes	800x800x500 mm
Stock	2



Description

Used J&E Hall Ciat HS 2024

Used Hallscrew Ciat compressor HS 2024 VR=2.6



Compressor Type				
Open Drive				
Volume Ratio	2.6			
Refrigerant	R717 (NH ₃)			
Unit of Measure	SI (kW, C)			

Operating Condition				
Suction [°C]	-10.00			
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			
Frequency [Hz]	0.00			
Speed [rpm]	2980			
Speed [rpm]	0.00			
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	2.6	-	2.6	-
Full load capacity [kW]	540.1	-	520.3	-
Full load shaft power [kW]	164.3	-	169.6	-
Full load COP	3.29	-	3.07	-
Suction mass flow rate [kg/s]	0.49	-	0.47	-
Delivery Temperature [°C]	74.4	-	75.0	-
Liquid temperature at expansion valve [°C]	35.00	-	35.00	-
Oil cooler duty [kW]	99.62	-	-	-
Oil injection flow rate [m³/h]	5.52	-	-	-
Liquid injection cooling load [kW]	-	-	107.1	-
Liquid injection mass flow rate [kg/s]	-	-	0.09	-
Economiser gauge [°C]	-	-	-	-
Liquid cooling load in subcooler [kW]	-	-	-	-
Economiser mass flow rate [kg/s]	-	-	-	-

Models	
HSO 2024	
HSO 2028	
HSO 2031	
HSO 2035	
HSO 3216	
HSO 3219	
HSO 3220	
HSO 3221	
HSO 4221	
HSO 4222	
HSO 4223	
HSO 4224	