

Howden WRVBT 255/22026 Capacities

-30/-10

0101/0051		28-02-04	
HOWDEN WRVBT 255-22026 on NH3 at 2945 rpm			
----- INPUT -----			
Evap.temp -30°C	Suct.temp -28°C	Useful s'ht 1 °C	
Evap.press 1.19 bar.a	Suct.press 1.09 bar.a	Suct.loss .1 bar	
Cond.temp -10°C		Subcooling 0 °C	
Cond.press 2.91 bar.a	Disch.press 3.41 bar.a	Disch.loss .5 bar	
----- FULL LOAD -----			
Type	WRVBT	Type	WRVBT
Evap.Cap.(kW)	961	Cond.Cap.(kW)	1090
Abs.Power (kW)	168	Abs.Torque (Nm)	545
Suct.Flow (kg/h)	2710	Oil Flow (1/s)	1.72
Oil/Gas dP (bar)	3.1	Oil Pump (1/s)	2.45
Oil Temp (°C)	45	Disch.Temp.(°C)	57.2
Oil Cooler (kW)	35		
----- MINIMUM LOAD -----			
Oil Temp (°C)	45	Disch.Temp.(°C)	73
Oil Cooler (kW)	57	Oil Flow (1/s)	1.23

-40/-10

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HOWDEN WRVBT 255-22026 on NH3 at 2945 rpm			
----- INPUT -----			
Evap.temp -40°C	Suct.temp -38°C	Useful s'ht 1 °C	
Evap.press .718 bar.a	Suct.press .618 bar.a	Suct.loss .1 bar	
Cond.temp -10°C		Subcooling 0 °C	
Cond.press 2.91 bar.a	Disch.press 3.41 bar.a	Disch.loss .5 bar	
----- FULL LOAD -----			
Type	WRVBT	Type	WRVBT
Evap.Cap.(kW)	540	Cond.Cap.(kW)	635
Abs.Power (kW)	162	Abs.Torque (Nm)	527
Suct.Flow (kg/h)	1540	Oil Flow (1/s)	1.83
Oil/Gas dP (bar)	3.1	Oil Pump (1/s)	2.57
Oil Temp (°C)	45	Disch.Temp.(°C)	67.9
Oil Cooler (kW)	69		
----- MINIMUM LOAD -----			
Oil Temp (°C)	45	Disch.Temp.(°C)	81
Oil Cooler (kW)	79	Oil Flow (1/s)	1.32

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0101/0051 28-02-04

HOWDEN WRUBT 255-22026 on NH3 at 2945 rpm

----- INPUT -----

Evap.temp -50°C	Suct.temp -48°C	Useful s'ht 1 °C
Evap.press .409 bar.a	Suct.press .309 bar.a	Suct.loss .1 bar
Cond.temp -10°C		Subcooling 0 °C
Cond.press 2.91 bar.a	Disch.press 3.41 bar.a	Disch.loss .5 bar

----- FULL LOAD -----

Type	WRUBT	Type	WRUBT
Evap.Cap.(kW)	261	Cond.Cap.(kW)	316
Abs.Power (kW)	158	Abs.Torque (Nm)	515
Suct.Flow (kg/h)	758	Oil Flow (l/s)	1.9
Oil/Gas dP (bar)	3.1	Oil Pump (l/s)	2.65
Oil Temp (°C)	45	Disch.Temp.(°C)	78.3
Oil Cooler (kW)	105		

----- MINIMUM LOAD -----

Oil Temp (°C)	45	Disch.Temp.(°C)	89
Oil Cooler (kW)	99	Oil Flow (l/s)	1.37
