

Howden WRVB 255/22026

-30/-10

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0101/0051 28-02-04

HOWDEN WRUB 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	WRUB	Type	WRUB
Evap.Cap.(kW)	961	Cond.Cap.(kW)	1090
Abs.Power (kW)	167	Abs.Torque (Nm)	544
Suct.Flow (kg/h)	2710	Oil Flow (1/s)	1.47
Oil/Gas dP (bar)	2.07	Oil Pump (1/s)	2.19
Oil Temp (°C)	45	Disch.Temp.(°C)	58.3
Oil Cooler (kW)	32		

MINIMUM LOAD

Oil Temp (°C)	45	Disch.Temp.(°C)	77
Oil Cooler (kW)	56	Oil Flow (1/s)	1.05

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HOWDEN WRUB 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	WRUB	Type	WRUB
Evap.Cap.(kW)	540	Cond.Cap.(kW)	637
Abs.Power (kW)	162	Abs.Torque (Nm)	525
Suct.Flow (kg/h)	1540	Oil Flow (1/s)	1.59
Oil/Gas dP (bar)	2.07	Oil Pump (1/s)	2.31
Oil Temp (°C)	45	Disch.Temp.(°C)	70.3
Oil Cooler (kW)	67		

MINIMUM LOAD

Oil Temp (°C)	45	Disch.Temp.(°C)	87
Oil Cooler (kW)	78	Oil Flow (1/s)	1.13

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HOWDEN WRUB 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	WRUB	Type	WRUB
Evap.Cap.(kW)	261	Cond.Cap.(kW)	318
Abs.Power(kW)	158	Abs.Torque(Nm)	513
Suct.Flow(kg/h)	758	Oil Flow(1/s)	1.66
Oil/Gas dP(bar)	2.07	Oil Pump(1/s)	2.39
Oil Temp(°C)	45	Disch.Temp.(°C)	82.2
Oil Cooler(kW)	102		

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

Oil Temp(°C)	45	Disch.Temp.(°C)	95
Oil Cooler(kW)	99	Oil Flow(1/s)	1.19