

## Frick Rotary Screw Ammonia Compressor Unit

**Mfg: Frick / Johnson Controls**

**Model: RWB-II-100 H**

**Stock No.: SDFP140.90**

**Serial No.: SO994RFMPHAA03**

Frick Rotary Screw Ammonia Compressor Unit. Model: RWB-II-100 H. S/N: SO994RFMPHAA03. Refrigerant: R-717, ammonia. RWBII Plus Microprocessor Controller. Hours: 27346. Model nomenclature: RWB-unit type, mark II-TDSH compressor, 100-displacement, H-high stage. Displacement: 592 CFM (1005 m<sup>3</sup>/hr). Volumizer variable-Vi hydraulic capacity control (10-100%). 350 PSIG test pressure. Capacity: 213.2 TR / 235.5 BHP at +20F suction and 95F condensing. Capacity at -40F suction: 45 TR / 157.6 BHP. Standard connections: 5 in. suction / 4 in. discharge. Overall dimensions: 143 in. L x 62 in. W x 94 in. H.





HIGH STAGE - CAPACITY and BRAKE HORSEPOWER RATING @ 3550 RPM 60 Hz.

**RWB-II 100**

<b>R-717</b>		SATURATED CONDENSING TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG					
		75.0 125.8	85.0 151.7	95.0 181.1	105.0 214.2	115.0 251.5	
SATURATED SUCTION TEMPERATURE, °F/CORRESPONDING PRESSURE, PSIG (* in Hg)	-40. 8.7*	TR BHP	48.6 122.7	47.0 138.9	45.4 157.6	43.9 181.8	42.4 211.9
	-35. 5.4*	TR BHP	56.5 128.2	54.6 144.1	52.8 162.5	51.0 183.7	49.3 211.0
	-30. 1.6*	TR BHP	65.3 133.9	63.2 150.4	61.1 168.4	59.0 189.1	56.9 213.0
	-25. 1.3	TR BHP	75.0 139.8	72.8 156.9	70.4 175.4	68.0 195.7	65.7 218.9
	-20. 3.6	TR BHP	85.9 145.7	83.4 163.6	80.8 182.8	78.1 203.5	75.5 226.1
	-15. 6.2	TR BHP	98.0 151.5	95.1 170.3	92.3 190.4	89.4 211.8	86.4 234.8
	-10. 9.0	TR BHP	111.4 156.9	108.2 177.1	104.9 198.0	101.8 220.3	98.5 244.1
	-5. 12.2	TR BHP	126.3 161.9	122.7 183.4	119.0 205.8	115.4 229.0	111.9 253.7
	0. 15.7	TR BHP	142.6 166.1	138.6 189.3	134.6 213.2	130.5 237.7	126.5 263.5
	5. 19.6	TR BHP	160.6 169.3	156.2 194.5	151.7 220.1	147.2 246.3	142.6 273.3
	10. 23.8	TR BHP	180.2 171.5	175.3 198.7	170.4 226.3	165.4 254.2	160.4 283.0
	15. 28.4	TR BHP	201.6 172.5	196.3 201.8	190.9 231.5	185.4 261.6	179.8 292.2
	20. 33.5	TR BHP	225.1 173.0	219.1 203.6	213.2 235.5	207.2 268.0	201.0 300.8
	25. 39.0	TR BHP	251.2 173.1	244.0 204.3	237.4 238.4	230.8 273.2	224.1 308.4
	30. 45.0	TR BHP	279.4 171.7	271.3 204.9	263.8 239.7	256.6 277.0	249.2 314.8
	35. 51.6	TR BHP	310.1 168.5	301.5 204.2	292.5 240.3	284.4 279.3	276.4 319.7
	40. 58.6	TR BHP	344.0 164.2	333.7 202.1	324.1 240.8	314.6 280.3	305.8 323.2

NOTE: Capacities Based on 10°F Liquid Subcooling, 10°F Suction Superheat with Superheat not contributing to the refrigeration effect.