

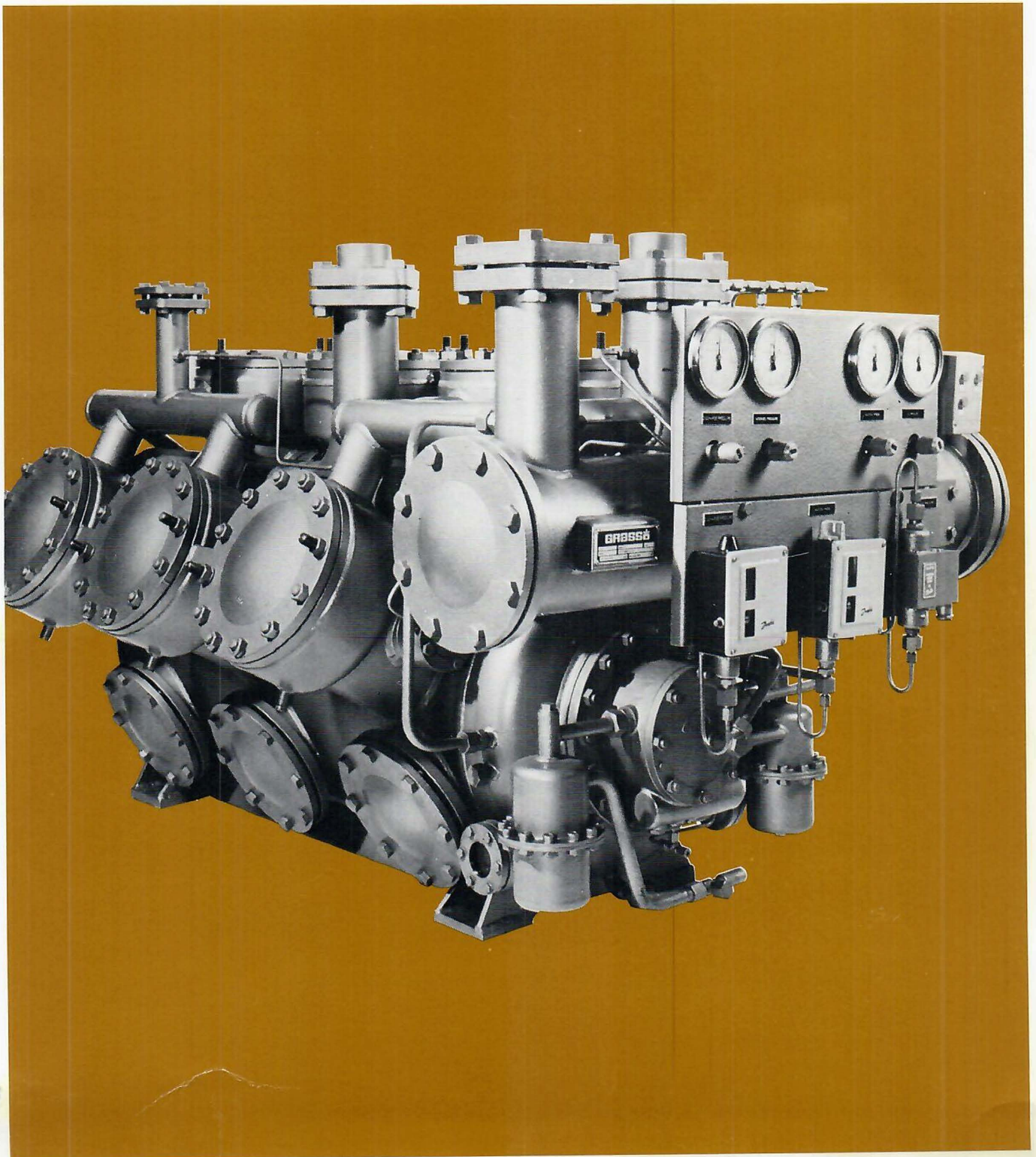
GRASSO

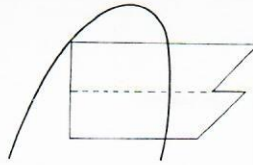
Refrigeration compressor

RC 11

Engineering Data

Single-stage, booster, two-stage
NH₃, R12, R22, R502





Two-stage, system A

n = 1000 rpm

↓ t _o (°C)	↓ Δt _o (K)	→ t _c (°C)						
			+20	+25	+30	+35	+40	+45
-25	5	Q _o (kcal/h)	162 200	156 200	150 000	143 800	137 400	131 000
	15		160 800	155 000	149 100	143 100	137 000	130 800
	—	t _m (°C) P _e (kW)	-2.6 71.5	-2.1 75.4	-1.6 79.6	-1.1 84.1	-0.5 88.8	+0.2 93.7
-30	5	Q _o (kcal/h)	131 600	126 600	121 500	116 400	111 100	105 700
	15		130 400	125 600	120 700	115 800	110 700	105 600
	—	t _m (°C) P _e (kW)	-8.0 64.0	-7.5 67.8	-6.9 71.7	-6.3 75.8	-5.7 80.0	-5.0 84.4
-35	5	Q _o (kcal/h)	105 700	101 600	97 400	93 200	88 900	84 500
	15		104 700	100 800	96 800	92 700	88 600	84 300
	—	t _m (°C) P _e (kW)	-13.3 57.5	-12.7 60.9	-12.1 64.4	-11.5 68.1	-10.7 71.9	-10.0 75.7
-40	5	Q _o (kcal/h)	84 000	80 600	77 200	73 800	70 200	66 700
	15		83 200	80 000	76 700	73 400	70 000	66 500
	—	t _m (°C) P _e (kW)	-18.5 51.4	-17.9 54.5	-17.1 57.7	-16.4 61.0	-15.5 64.2	-14.7 67.5
-45	5	Q _o (kcal/h)	66 000	63 300	60 500	57 700	54 900	52 000
	15		65 300	62 800	60 100	57 400	54 700	51 900
	—	t _m (°C) P _e (kW)	-23.7 45.8	-23.0 48.5	-22.2 51.1	-21.4 53.8	-20.4 56.4	-19.4 59.0
-50	5	Q _o (kcal/h)	51 200	49 000	46 800	44 600	42 300	40 000
	15		50 700	48 600	46 400	44 300	42 100	39 900
	—	t _m (°C) P _e (kW)	-28.6 40.6	-27.8 42.8	-26.9 44.9	-25.9 47.0	-24.9 48.9	-23.8 50.7
-55	5	Q _o (kcal/h)	39 100	37 400	35 600	33 900	32 000	30 200
	15		38 700	37 100	35 400	33 700	31 900	30 100
	—	t _m (°C) P _e (kW)	-33.3 35.6	-32.4 37.2	-31.4 38.8	-30.3 40.2	-29.1 41.4	-27.9 42.5
-60	5	Q _o (kcal/h)	29 400	28 000	26 600	25 200	—	—
	15		29 100	27 800	26 400	25 100	—	—
	—	t _m (°C) P _e (kW)	-37.7 30.6	-36.7 31.7	-35.5 32.6	-34.3 33.4	—	—