

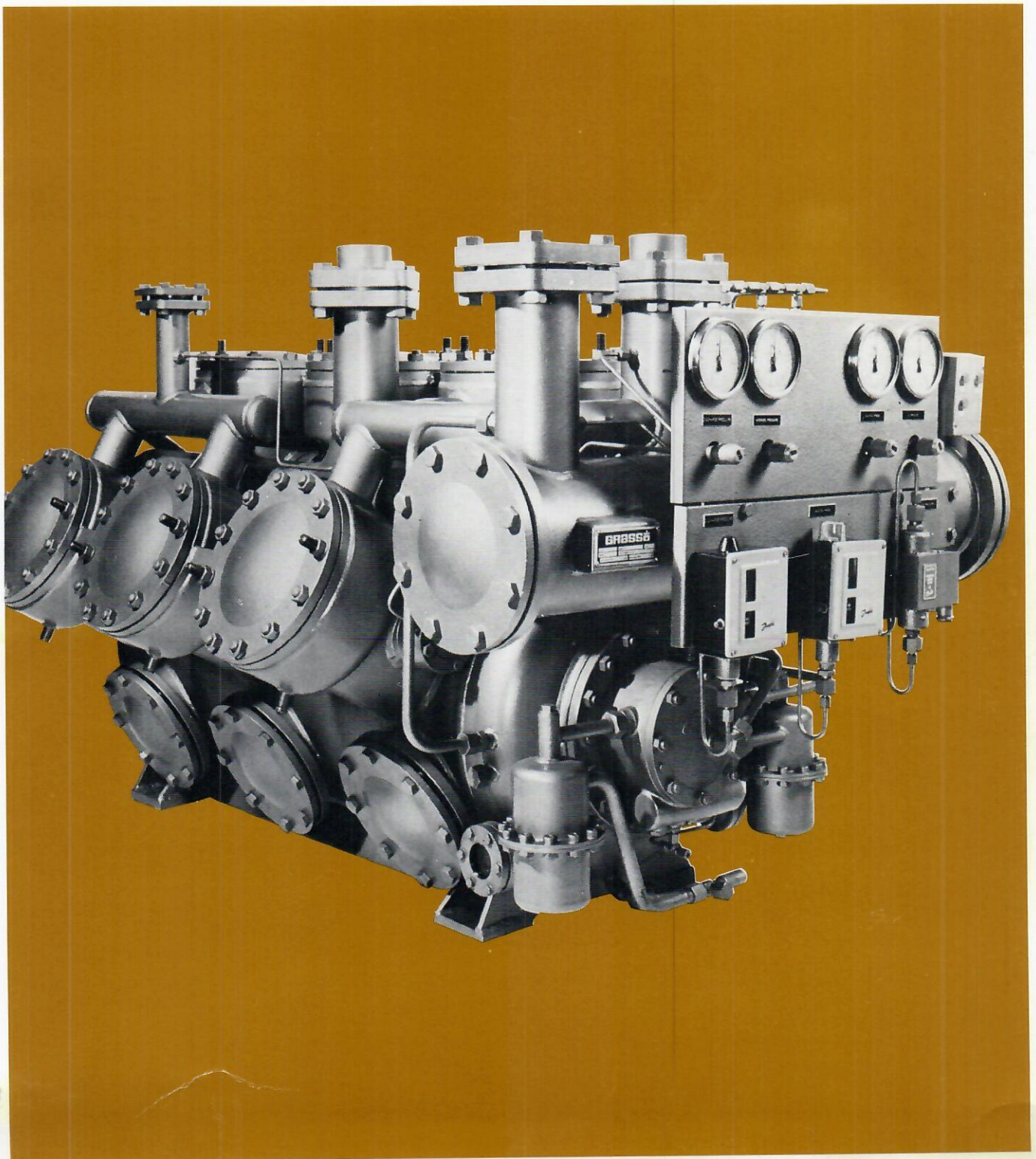
GRASSO

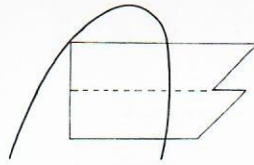
Refrigeration compressor

RC 11

Engineering Data

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





Two-stage, system A

n = 1000 rpm

↓ t ₀ (°C)	↓ Δt ₀ (K)	→ t _c (°C)						
			+20	+25	+30	+35	+40	+45
-25	5	Q _o (kcal/h)	243 300	234 300	225 000	215 700	206 200	196 500
	15		241 200	232 500	223 600	214 700	205 500	196 200
	—	t _m (°C) P _e (kW)	-2.6 106.1	-2.1 112.1	-1.6 118.4	-1.1 125.1	-0.5 132.1	+0.2 139.4
-30	5	Q _o (kcal/h)	197 400	190 000	182 300	174 600	166 700	158 600
	15		195 600	188 400	181 100	173 700	166 100	158 400
	—	t _m (°C) P _e (kW)	-8.0 95.0	-7.5 100.6	-6.9 106.5	-6.3 112.6	-5.7 119.0	-5.0 125.6
-35	5	Q _o (kcal/h)	158 500	152 400	146 100	139 800	133 300	126 700
	15		157 100	151 200	145 200	139 100	132 900	126 500
	—	t _m (°C) P _e (kW)	-13.3 85.2	-12.7 90.3	-12.1 95.6	-11.5 101.1	-10.7 106.7	-10.0 112.5
-40	5	Q _o (kcal/h)	126 000	121 000	115 800	110 700	105 400	100 000
	15		124 800	120 000	115 000	110 100	105 000	99 800
	—	t _m (°C) P _e (kW)	-18.5 76.1	-17.9 80.8	-17.1 85.5	-16.4 90.4	-15.5 95.3	-14.7 100.2
-45	5	Q _o (kcal/h)	99 000	95 000	90 800	86 600	82 400	78 000
	15		98 000	94 200	90 200	86 200	82 100	77 900
	—	t _m (°C) P _e (kW)	-23.7 67.7	-23.0 71.6	-22.2 75.6	-21.4 79.6	-20.4 83.6	-19.4 87.5
-50	5	Q _o (kcal/h)	76 800	73 500	70 200	66 900	63 400	60 000
	15		76 000	72 900	69 700	66 500	63 200	59 800
	—	t _m (°C) P _e (kW)	-28.6 59.9	-27.8 63.1	-26.9 66.4	-25.9 69.4	-24.9 72.4	-23.8 75.1
-55	5	Q _o (kcal/h)	58 700	56 100	53 500	50 800	48 100	45 300
	15		58 100	55 600	53 100	50 500	47 900	45 200
	—	t _m (°C) P _e (kW)	-33.3 52.3	-32.4 54.8	-31.4 57.1	-30.3 59.2	-29.1 61.1	-27.9 62.7
-60	5	Q _o (kcal/h)	44 100	42 100	40 000	37 900	—	—
	15		43 600	41 700	39 700	37 700	—	—
	—	t _m (°C) P _e (kW)	-37.7 44.9	-36.7 46.5	-35.5 47.9	-34.3 49.0	—	—