

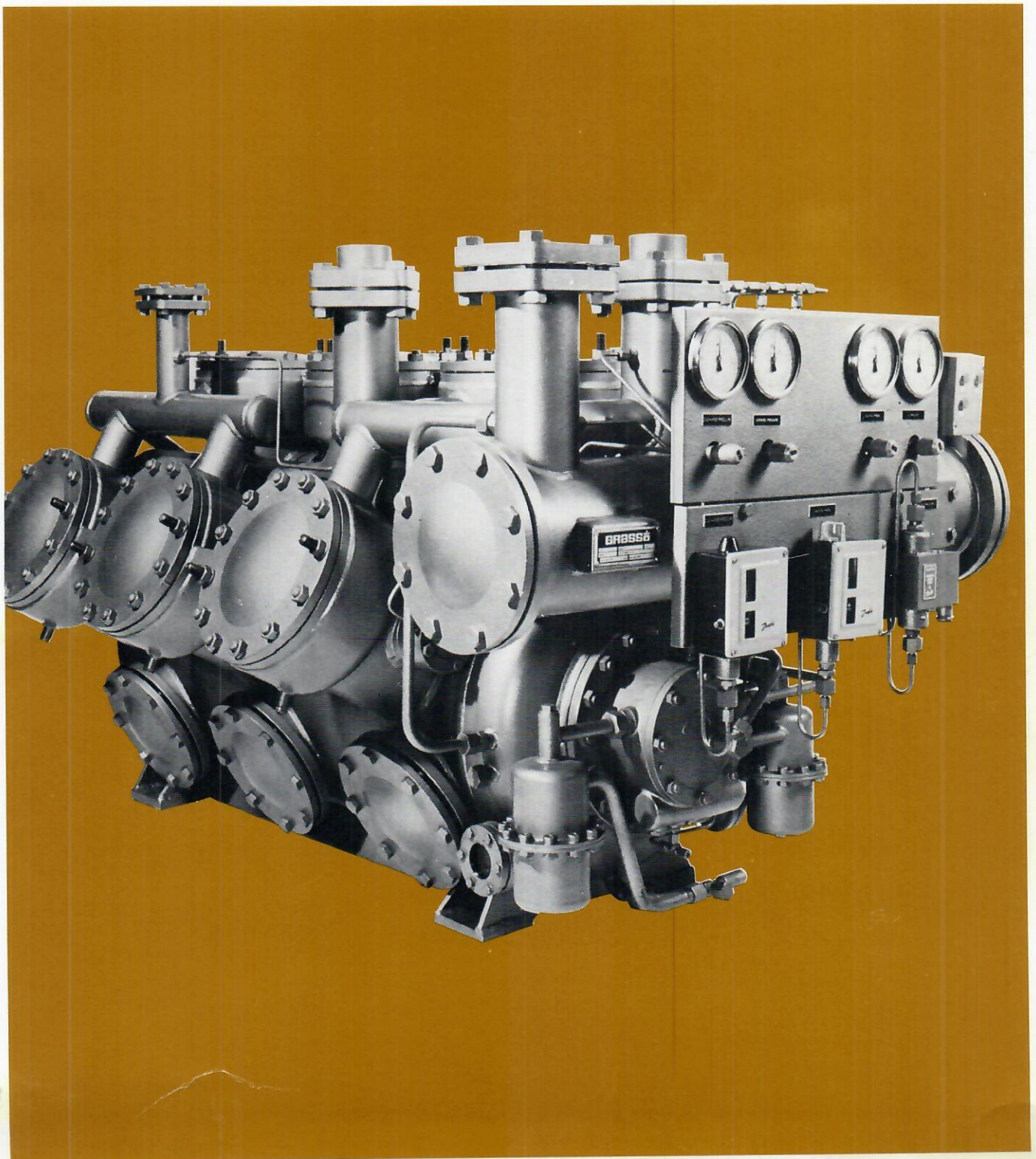
GRASSO

Refrigeration compressor

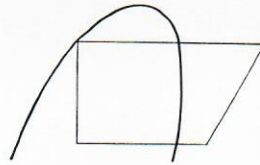
RC 11

Engineering Data

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



NH₃



GRASSO
RC 211

Single-stage

n = 1000 rpm

| ↓ t ₀ (°C) | ↓ Δt ₀ (K) | → t _c (°C) | +20 | +25 | +30 | +35 | +40 | +45 |
|-----------------------|-----------------------|----------------------------|---------|---------|---------|---------|---------|---------|
| +10 | 0 | Q _o (kcal/h) | — | 322 700 | 312 400 | 301 800 | 290 900 | 279 700 |
| | 5 | | — | 314 800 | 304 700 | 294 400 | 283 700 | 272 800 |
| 10 | — | | 307 400 | 297 600 | 287 500 | 277 100 | 266 400 | |
| — | — | P _e (kW) | — | 35.4 | 41.0 | 46.9 | 53.0 | 59.3 |
| + 5 | 0 | Q _o (kcal/h) | 276 900 | 268 100 | 258 900 | 249 400 | 239 600 | 229 500 |
| | 5 | | 270 200 | 261 600 | 252 600 | 243 400 | 233 800 | 223 900 |
| 10 | 264 000 | | 255 500 | 246 800 | 237 700 | 228 400 | 218 800 | |
| — | — | P _e (kW) | 30.8 | 35.7 | 40.9 | 46.3 | 51.8 | 57.3 |
| 0 | 0 | Q _o (kcal/h) | 228 400 | 220 500 | 212 200 | 203 700 | 194 900 | 185 800 |
| | 5 | | 222 500 | 214 800 | 206 800 | 198 500 | 189 900 | 181 000 |
| 10 | 217 500 | | 209 900 | 202 100 | 194 000 | 185 600 | 176 900 | |
| — | — | P _e (kW) | 31.0 | 35.6 | 40.3 | 45.1 | 49.8 | 54.4 |
| - 5 | 0 | Q _o (kcal/h) | 186 300 | 179 200 | 171 800 | 164 100 | 156 100 | 147 900 |
| | 5 | | 181 900 | 175 000 | 167 800 | 160 300 | 152 500 | 144 400 |
| 10 | 177 800 | | 171 000 | 164 000 | 156 600 | 149 000 | — | |
| — | — | P _e (kW) | 30.8 | 34.9 | 39.0 | 43.1 | 47.0 | 50.6 |
| -10 | 0 | Q _o (kcal/h) | 150 000 | 143 600 | 137 000 | 130 000 | 122 800 | — |
| | 5 | | 146 500 | 140 300 | 133 800 | 127 000 | 119 900 | — |
| 10 | 143 200 | | 137 100 | 130 800 | 124 100 | — | — | |
| — | — | P _e (kW) | 30.1 | 33.7 | 37.1 | 40.4 | 43.3 | — |
| -15 | 0 | Q _o (kcal/h) | 119 000 | 113 200 | 107 100 | 100 800 | — | — |
| | 5 | | 116 200 | 110 600 | 104 600 | 98 500 | — | — |
| 10 | 113 600 | | 108 100 | 102 300 | — | — | — | |
| — | — | P _e (kW) | 28.9 | 31.8 | 34.5 | 36.8 | — | — |
| -20 | 0 | Q _o (kcal/h) | 92 500 | 87 300 | 81 800 | — | — | — |
| | 5 | | 90 400 | 85 300 | 79 900 | — | — | — |
| 10 | 88 400 | | 83 400 | — | — | — | — | |
| — | — | P _e (kW) | 27.1 | 29.2 | 31.0 | — | — | — |
| -25 | 0 | Q _o (kcal/h) | 70 300 | 65 400 | — | — | — | — |
| | 5 | | 68 700 | 64 000 | — | — | — | — |
| 10 | 67 200 | | — | — | — | — | — | |
| — | — | P _e (kW) | 24.6 | 25.9 | — | — | — | — |
| -30 | 0 | Q _o (kcal/h) | 51 600 | — | — | — | — | — |
| | 5 | | 50 400 | — | — | — | — | — |
| 10 | — | | — | — | — | — | — | |
| — | — | P _e (kW) | 21.5 | — | — | — | — | — |