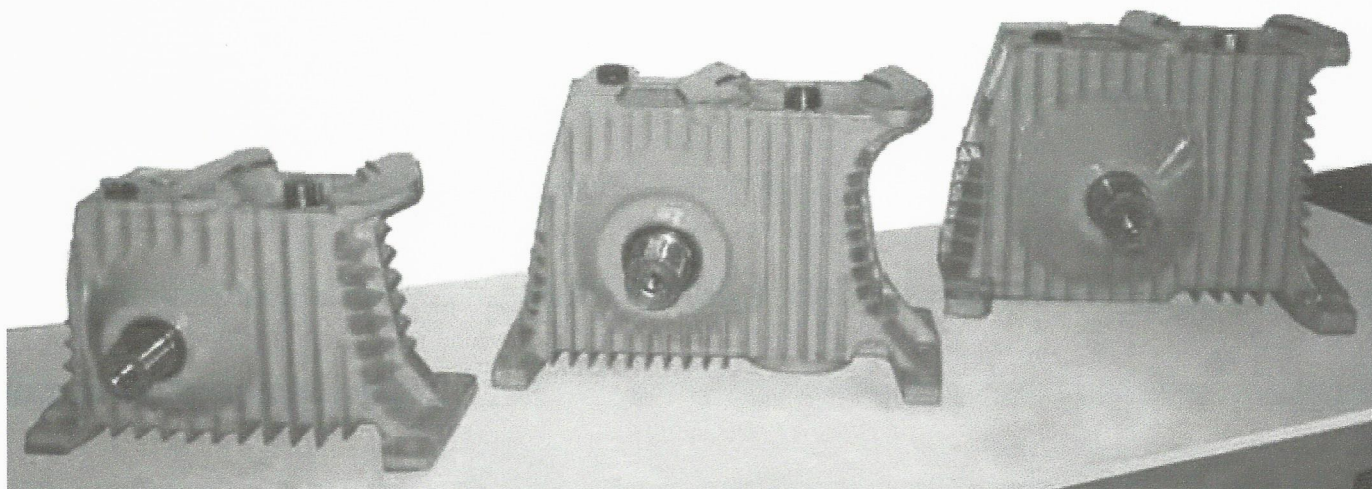


### CRW Family Gear Units for Main Drives of Commercial Escalator



#### Features

- CAVEX • • • • • With single worm transmission of CAVEX tooth profile, unique tooth correction, exquisite manufacturing technology, CRW gear units not only have advantages of low noise, stable transmission, well damping vibration that conventional worm transmission has but also make transmitting efficiency and tooth root stress higher than conventional ones. And design of vertical input shaft and horizontal output shaft save much assemble space for main drives.
- CRW • • • • •

#### Technical data

- EN115 • • • • • The data in the table is based on following conditions and accord with EN115 standard
- Ratio: 24.5;
- Safety factor:  $\geq 5$ ;
- Ambient temperature:  $\leq 40^\circ\text{C}$
- Life time:  $\geq 70,000$  hours;
- Duty cycle: 2% time at 100% load; 35% time at 50% load; 63% time at 25% load • equivalent load = 41.9%
- • • • •

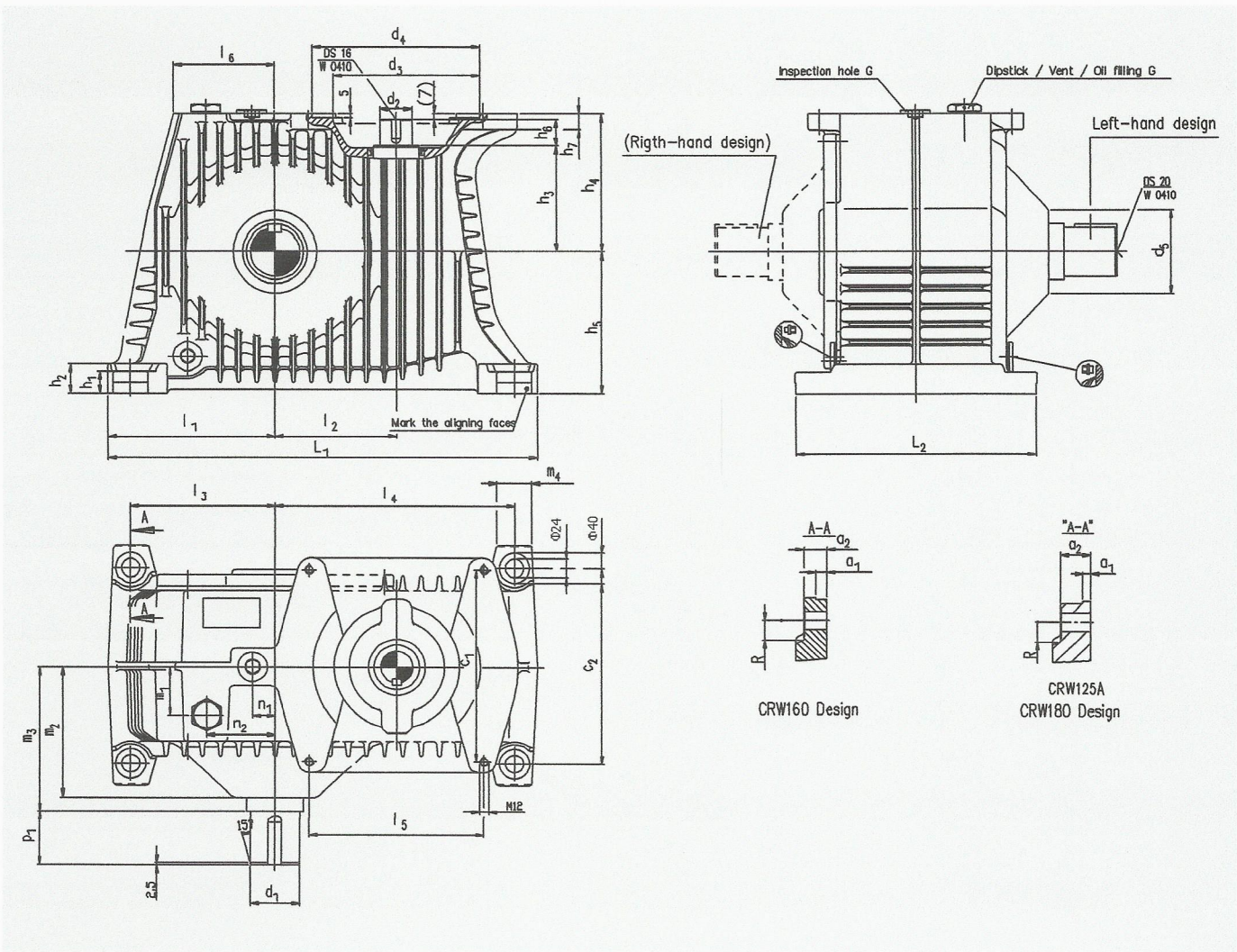
| • • • • •<br>Input speed | • • • • •<br>Gear unit | • • • • •<br>100% P1 kW | • • • • •<br>Oil VG |
|--------------------------|------------------------|-------------------------|---------------------|
| ✓ 1000rpm                | CRW125A                | 7.5                     | 460                 |
|                          | CRW160                 | 15                      | 460                 |
|                          | CRW180                 | 22                      | 460                 |
| 1500rpm                  | CRW125A                | 9                       | 220                 |



# FLENDER CAVEX

CRW . . . . . / .. . . . .

## CRW Family Gear Units Dimension sheet / Dimension table



| . . . . . | $l_1$ | $l_2$ | $l_3$ | $l_4$ | $l_5$ | $l_6$ | $L_1$ | $L_2$   | $d_1$ | $d_2$ | $d_3$ |
|-----------|-------|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|
| CRW125A   | 175   | 125   | 145   | 270   | 185   | 112   | 475   | 256-0.5 | 55 m6 | 38m6  | 150   |
| CRW160    | 220   | 160   | 190   | 315   | 230   | 133   | 565   | 316-0.5 | 65 m6 | 42 m6 | -     |
| CRW180    | 230   | 180   | 200   | 320   | 230   | 153   | 580   | 361-0.5 | 75 m6 | 48 m6 | 165   |

| . . . . . | $d_4$  | $d_5$ | $h_1$ | $h_2$ | $h_3$ | $h_4$ | $h_5$ | $h_6$ | $h_7$ | $c_1$ | $c_2$ |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CRW125A   | 180H7  | 115   | 24    | 32    | 123   | 165   | 145   | 35    | 16    | 205   | 200   |
| CRW160    | 220 H7 | 110   | 30    | 40    | 140   | 182   | 190   | 35    | 20    | 255   | 260   |
| CRW180    | 220 H7 | 125   | 40    | 50    | 170   | 217   | 190   | 40    | 20    | 255   | 305   |

| . . . . . | $a_1$ | $a_2$ | $r$ | $p_1$ | $m_1$ | $m_2$ | $m_3$ | $m_4$ | $n_1$ | $n_2$ | $G$ |
|-----------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|-----|
| CRW125A   | 10    | 24    | 26  | 56    | 55    | 145   | 165   | 48    | 35    | 65    | 3/4 |
| CRW160    | 15+1  | 30    | 26  | 70    | 65    | 175   | 195   | 45.8  | 30    | 90    | 1   |
| CRW180    | 10    | 40    | 26  | 85    | 65    | 190   | 210   | 50    | 30    | 90    | 1   |