

15. Winches

0.2 - 35 tonnes



Red Rooster air winches are custom made products. Many constructions are possible, and there are many norms and selection criteria for choosing a winch. In this foreword we discuss several of these to help you in your selection.

Applications

Hoisting and pulling of various equipment and loads on ships, offshore, shipyards etc. For manrider winches, please send your enquiry.

Standard winches, RRI series

- Vane type motor
- Standard band brake and automatic brake
- Free-wheel
- Very compact design as air motors are partially contained inside the drums
- Rugged but lightweight construction
- Easy installation and removal
- Safety type throttle provides flexible speed control, shuts of automatically when released
- All steel

Optional

- Silencers
- Air treatment unit, consisting of filter, regulator and lubricator

Elektrical winches, RRI series

Please contact your local supplier!

Winches

RRI series - standard pneumatic winches

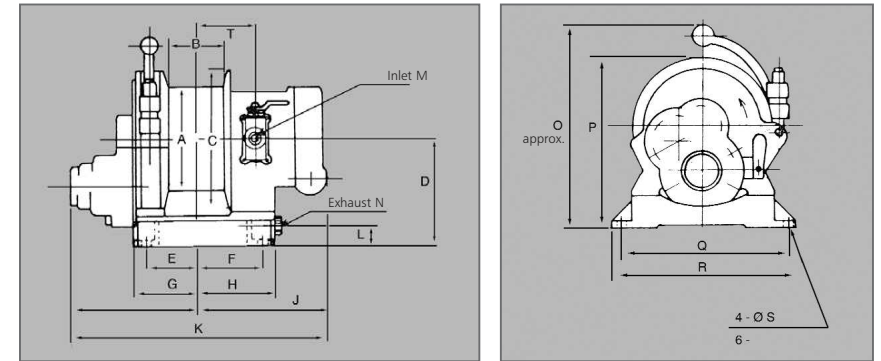


RRI-700500

RRI series

| Type | Brand | Capacity t | Drive | Cable length m | Cable diameter mm | Cable speed m/min | Air consumption l/sec | Weight without cable kg | Hose diameter mm |
|------------|-------|------------|-------------|----------------|-------------------|-------------------|-----------------------|-------------------------|------------------|
| RRI-700500 | RRI | 0.5 | Pneumatisch | 100 | 8 | 20 | 57 | 70 | 19 |
| RRI-701000 | RRI | 1.0 | Pneumatisch | 100 | 10 | 6.7 | 57 | 80 | 19 |
| RRI-701500 | RRI | 1.5 | Pneumatisch | 80 | 12 | 5.5 | 57 | 88 | 19 |
| RRI-702000 | RRI | 2.0 | Pneumatisch | 65 | 16 | 5.0 | 70 | 130 | 19 |

Dimensions



Dimensions RRI series

| Type | A mm | B mm | C mm | D mm | E mm | F mm | G mm | H mm | I mm | J mm | K mm | L mm | O mm | P mm | Q mm | R mm | S mm | T mm |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| RRI-700500 | 180 | 150 | 308 | 225 | 200 | 160 | 220 | 180 | 255 | 219 | 474 | 58 | 455 | 379 | 310 | 350 | 14 | 124 |
| RRI-701000 | 200 | 243 | 340 | 225 | 254 | 208 | 270 | 226 | 317 | 266 | 583 | 58 | 475 | 395 | 310 | 350 | 14 | 171 |
| RRI-701500 | 200 | 243 | 340 | 225 | 254 | 208 | 270 | 226 | 317 | 266 | 583 | 58 | 475 | 395 | 310 | 350 | 14 | 171 |
| RRI-702000 | 300 | 236 | 460 | 286 | 250 | 206 | 270 | 226 | 317 | 266 | 583 | 58 | 587 | 516 | 420 | 460 | 14 | 171 |



RRI-702000

Winches

LV series - pneumatic wormgear winches

For pneumatic winch applications demanding light weight construction, this range of explosion proof winches provides the solution. The use of vane type motors and inherently safe self braking worm gears ensures trouble free operation and low maintenance is required. These winches find their use in general industry, oil and gas exploration, and in many places where compact explosion proof hoisting gear is required.

The range includes two fast speed types, the LV-256 and LV-508, which also have optional carrying handles, and slower speed types up to 2000 kg lifting capacity.

The self braking characteristics of the worm gear drive combined with closed ports is sufficient for almost all hoisting purposes. For accurate positioning of a load an additional brake may be necessary. Please consult our sales department in this case.



LV series

LV series

| Type | Brand | Capacity 1st. layer kg | Capacity 3rd. layer kg | Cable diameter mm | Speed 1st. layer m/min | Drum cap. 1st. layer m | Drum cap. 3rd. layer m | Air consumption l/sec | Pressure drop bar |
|---------|-------|------------------------|------------------------|-------------------|------------------------|------------------------|------------------------|-----------------------|-------------------|
| LV 256 | RRI | 250 | 200 | 5 | 12 | 10 | 32 | 45 | 6 |
| LV 508 | RRI | 500 | 400 | 7 | 12 | 6 | 22 | 80 | 6 |
| LV 425 | RRI | 425 | 350 | 6 | 5 | 10 | 32 | 35 | 6 |
| LV 750 | RRI | 750 | 600 | 8 | 5.5 | 7 | 25 | 65 | 6 |
| LV 1250 | RRI | 1250 | 1000 | 10 | 6 | 11 | 36 | 95 | 6 |
| LV 2000 | RRI | 2000 | 1550 | 13 | 6 | 11 | 38 | 125 | 6 |

Standard features

- Self braking worm gear transmission
- Rotary vane motor
- Steel drum (not grooved) with cable fixing point at flange
- Two drum supports
- Single layer 1 component conservation (color BS 20 medium blue).

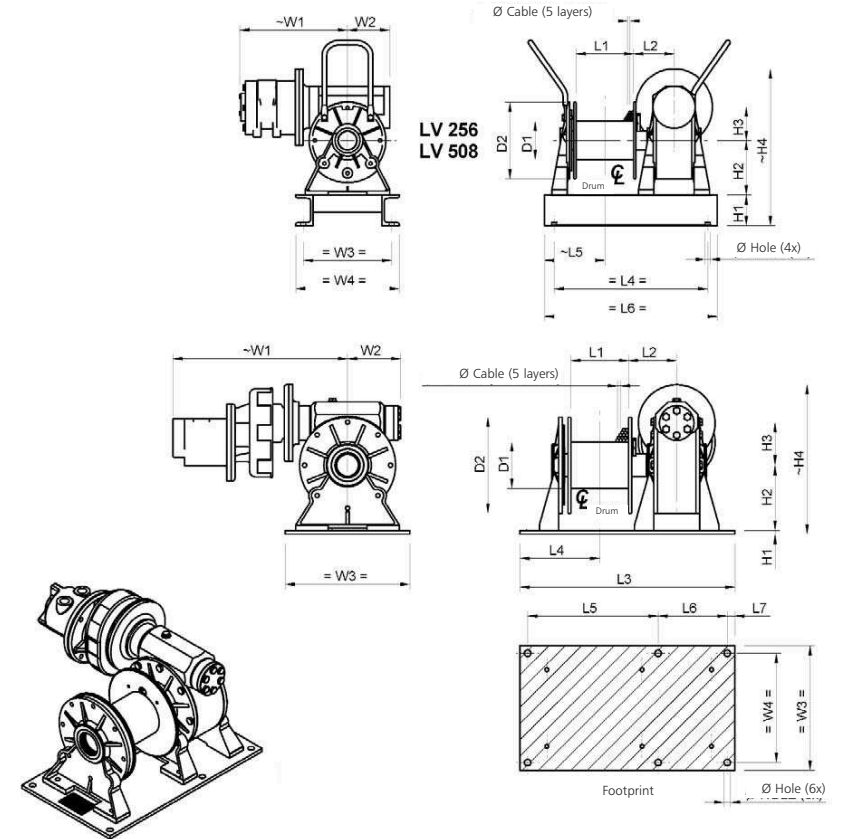
Options

- Manual disengaging clutch
- Band brake, manual or automatic fail safe
- Grooved drum
- Drum pressure roller
- Alternative speeds
- Alternative drum dimensions / split drums / additional rope anchors, etc.
- Motor position vertically up
- Drum guard
- Emergency cranking
- Marine / offshore coating system

Available control options

- Proportional control valve, local or remote
- Pneumatic limit switch
- Pneumatic slack wire switch

Dimensions



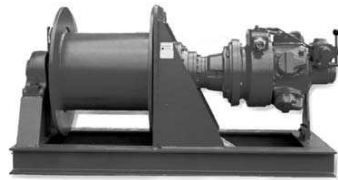
Dimensions LV series

| Type | Weight kg | D1 mm | D2 mm | L1 mm | L2 mm | L3 mm | L4 mm | L5 mm | L6 mm | L7 mm | H1 mm | H2 mm | H3 mm | H4 mm | W1 mm | W2 mm | W3 mm | W4 mm | Hole diam. |
|---------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| LV-256 | 58 | 100 | 200 | 150 | 105.5 | 450 | 157 | 400 | - | - | 80 | 142 | 86.9 | 408.9 | 278 | 110 | 270 | 230 | 13 |
| LV-425 | 59 | 100 | 200 | 150 | 105.5 | 500 | 186 | 320 | 150 | 15 | 10 | 142 | 86.9 | 408.9 | 374 | 110 | 270 | 240 | 13 |
| LV-5008 | 65 | 100 | 200 | 150 | 105.5 | 450 | 157 | 400 | - | - | 80 | 142 | 86.9 | 408.9 | 281 | 110 | 270 | 230 | 13 |
| LV-750 | 93 | 121 | 250 | 150 | 125.5 | 560 | 208 | 340 | 180 | 20 | 10 | 170 | 110 | 390 | 455 | 132 | 325 | 285 | 17 |
| LV-1250 | 149 | 159 | 280 | 200 | 146.5 | 640 | 232.5 | 415 | 185 | 20 | 15 | 195 | 130 | 440 | 490 | 154.3 | 370 | 320 | 17 |
| LV-2000 | 192 | 178 | 320 | 250 | 155 | 710 | 265 | 470 | 200 | 20 | 15 | 220 | 150 | 510 | 609 | 154 | 410 | 360 | 17 |

Winches

SB series - standard build planetary winches

The standard build SB type winch provides the basis of the solution to many pulling and lifting winch applications. The winch is constructed in the conventional manner with motor, gearbox and drum in line. This range of capacities can go up to 70 tonnes lifting capacity. Although the name of this winch indicates different, these winches are very suitable to fit to your specific winch application. Many options can be offered on these highly versatile winches.



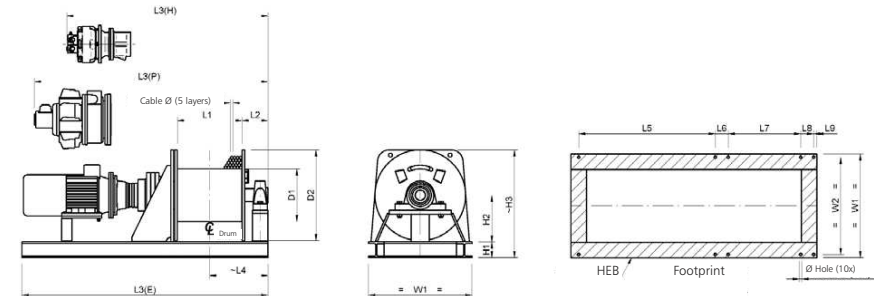
SB series

SB series

| Type | Brand | Capacity 1st. layer kg | Capacity 3. Lage kg | Cable diameter mm | Speed 1st. layer m/min | Speed 5th. layer m/min | Drum cap. 1st. layer m | Drum cap. 5th. layer m | Motor power kW | Pressure drop bar | Air cons. l/min |
|----------|-------|------------------------|---------------------|-------------------|------------------------|------------------------|------------------------|------------------------|----------------|-------------------|-----------------|
| SB-300 E | RR1 | 1.200 | 860 | 10 | 7 | 9 | 32 | 190 | 1.5 | - | - |
| SB-301 E | RR1 | 2.100 | 1.400 | 12 | 7 | 10 | 27 | 167 | 3 | - | - |
| SB-303 E | RR1 | 2.500 | 1.700 | 15 | 8 | 12 | 27 | 167 | 4 | - | - |
| SB-305 E | RR1 | 4.000 | 2.850 | 16 | 8 | 11 | 31 | 186 | 5.5 | - | - |
| SB-306 E | RR1 | 5.500 | 3.970 | 18 | 12 | 17 | 32 | 194 | 11 | - | - |
| SB-307 E | RR1 | 7.000 | 4.950 | 22 | 12 | 17 | 31 | 184 | 15 | - | - |
| SB-309 E | RR1 | 9.000 | 6.300 | 26 | 14 | 19 | 29 | 176 | 22 | - | - |
| SB-310 E | RR1 | 13.000 | 8.950 | 28 | 9 | 13 | 28 | 171 | 22 | - | - |
| SB-311 E | RR1 | 16.000 | 10.660 | 34 | 10 | 15 | 25 | 157 | 30 | - | - |
| SB-313 E | RR1 | 20.000 | 13.600 | 38 | 6 | 8 | 27 | 160 | 22 | - | - |
| SB-315 E | RR1 | 32.000 | 21.700 | 48 | 7 | 11 | 26 | 156 | 45 | - | - |
| SB-303 H | RR1 | 2.500 | 1.700 | 15 | 20 | 29 | 27 | 167 | 9 | 130 | 50 |
| SB-305 H | RR1 | 4.000 | 2.850 | 16 | 26 | 37 | 31 | 186 | 19 | 215 | 55 |
| SB-306 H | RR1 | 5.500 | 3.970 | 18 | 27 | 37 | 32 | 194 | 27 | 215 | 80 |
| SB-307 H | RR1 | 7.000 | 4.950 | 22 | 30 | 42 | 29 | 184 | 39 | 185 | 130 |
| SB-309 H | RR1 | 9.500 | 6.630 | 26 | 26 | 37 | 29 | 176 | 45 | 225 | 125 |
| SB-310 H | RR1 | 13.000 | 8.950 | 28 | 12 | 18 | 28 | 171 | 30 | 200 | 55 |
| SB-311 H | RR1 | 14.000 | 9.700 | 32 | 10 | 15 | 25 | 157 | 30 | 210 | 115 |
| SB-313 H | RR1 | 20.000 | 13.600 | 38 | 10 | 15 | 27 | 160 | 38 | 170 | 120 |
| SB-315 H | RR1 | 32.000 | 21.700 | 48 | 8 | 12 | 26 | 156 | 50 | 190 | 160 |

SB series - Continued

| Type | Brand | Capacity 1st. layer kg | Capacity 3rd. layer kg | Cable diameter mm | Speed 1st. layer m/min | Speed 5th. layer m/min | Drum cap. 1st. layer m | Drum cap. 5th. layer m | Motor power kW | Pressure drop bar | Air cons. l/min |
|-------------|-------|------------------------|------------------------|-------------------|------------------------|------------------------|------------------------|------------------------|----------------|-------------------|-----------------|
| SB-300 LPR2 | RR1 | 1.000 | 680 | 10 | 12 | 18 | 27 | 166 | - | 7 | 75 |
| SB-303 LPR2 | RR1 | 2.300 | 1.575 | 13 | 7 | 10 | 27 | 167 | - | 7 | 85 |
| SB-303 LPR3 | RR1 | 2.300 | 1.575 | 13 | 14 | 19 | 31 | 186 | - | 7 | 130 |
| SB-305 LPR3 | RR1 | 4.000 | 2.850 | 16 | 9 | 13 | 31 | 186 | - | 7 | 150 |
| SB-305 LPR4 | RR1 | 4.000 | 2.850 | 16 | 15 | 21 | 31 | 186 | - | 7 | 220 |
| SB-306 LPR4 | RR1 | 5.000 | 3.600 | 18 | 11 | 15 | 31 | 180 | - | 7 | 230 |
| SB-307 LPR4 | RR1 | 7.000 | 4.960 | 22 | 9 | 13 | 30 | 184 | - | 7 | 220 |
| SB-307 LPR5 | RR1 | 7.000 | 4.960 | 22 | 14 | 20 | 29 | 184 | - | 7 | 400 |
| SB-309 LPR4 | RR1 | 9.000 | 6.280 | 26 | 7 | 10 | 29 | 177 | - | 7 | 200 |
| SB-309 LPR5 | RR1 | 9.000 | 6.280 | 26 | 10 | 14 | 29 | 177 | - | 7 | 350 |
| SB-310 LPR4 | RR1 | 13.000 | 9.000 | 28 | 6 | 8 | 29 | 171 | - | 7 | 225 |
| SB-310 LPR5 | RR1 | 13.000 | 9.000 | 28 | 8 | 10 | 29 | 171 | - | 7 | 350 |
| SB-311 LPR5 | RR1 | 13.000 | 9.000 | 30 | 8 | 12 | 28 | 173 | - | 7 | 350 |
| SB-313 LPR6 | RR1 | 20.000 | 16.500 | 34 | 7 | 9 | 30 | 180 | - | 7 | 450 |



Dimensions SB series

| Type | Weight kg | D1 mm | D2 mm | L1 mm | L2 mm | L3(E) mm | L3(H) mm | L3(P) mm | L4 mm | L5 mm | L6 mm | L7 mm | L8 mm | L9 mm | H1 mm | H2 mm | H3 mm | W1 mm | W2 mm | Heb mm | Hole diam. |
|------|-----------|-------|-------|-------|-------|----------|----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------------|
| 300 | 245 | 195 | 410 | 500 | 155 | 1400 | - | 1450 | 405 | 630 | 80 | 540 | 80 | 20 | 100 | 215 | 520 | 500 | 460 | 100 | 14 |
| 301 | 260 | 195 | 410 | 500 | 155 | 1500 | - | 405 | 730 | 80 | 540 | 80 | 20 | 100 | 215 | 520 | 500 | 460 | 100 | 14 | 14 |
| 303 | 340 | 244 | 500 | 500 | 155 | 1500 | 1300 | 1600 | 405 | 720 | 80 | 550 | 80 | 20 | 100 | 260 | 610 | 600 | 560 | 100 | 14 |
| 305 | 400 | 298 | 500 | 500 | 155 | 1600 | 1300 | 1600 | 405 | 820 | 80 | 550 | 80 | 20 | 100 | 260 | 610 | 600 | 560 | 100 | 14 |
| 306 | 620 | 355 | 600 | 500 | 165 | 1900 | 1500 | 1800 | 415 | 1110 | 80 | 560 | 80 | 20 | 100 | 310 | 710 | 700 | 660 | 100 | 17 |
| 307 | 790 | 406 | 700 | 500 | 200 | 1900 | 1550 | 1900 | 450 | 1055 | 100 | 560 | 100 | 25 | 120 | 360 | 830 | 800 | 750 | 120 | 19 |
| 309 | 1065 | 455 | 750 | 500 | 215 | 1950 | 1550 | 1950 | 465 | 1070 | 110 | 560 | 110 | 30 | 140 | 385 | 900 | 900 | 840 | 140 | 22 |
| 310 | 1360 | 470 | 850 | 500 | 259 | 2000 | 1600 | 1950 | 509 | 1050 | 120 | 590 | 120 | 40 | 160 | 435 | 1020 | 1000 | 940 | 160 | 26 |
| 311 | 1575 | 508 | 950 | 500 | 159 | 2050 | 1650 | 1950 | 509 | 1100 | 120 | 590 | 120 | 40 | 160 | 495 | 1130 | 1100 | 1040 | 160 | 26 |
| 313 | 2220 | 610 | 1100 | 500 | 260 | 2100 | 1800 | 2150 | 510 | 1140 | 120 | 590 | 120 | 40 | 180 | 570 | 1300 | 1300 | 1230 | 180 | 32 |
| 315 | 2450 | 660 | 1200 | 500 | 299 | 2500 | 2100 | - | 549 | 1490 | 140 | 590 | 140 | 40 | 200 | 620 | 1420 | 1500 | 1420 | 200 | 36 |

Standard features

- Heavy duty planetary gearbox
- SB E:** IP 54 aluminium braked motor 400 VAC / 3 phase / 50 Hz. (440VAC / 3 phase / 60 Hz)
- SB H:** orbit or radial piston type hydraulic motor complete with brake valve
- SB LPR:** radial piston type air motor complete with hand control valve and mufflers
- Steel drum with cable fixing point at flange
- Two drum supports
- Single layer 1 component conservation, (colour BS 20 medium blue).

Options

- IP56 TENV cast iron motor for marine applications
- Explosion proof motors
- Protective steel motor cover
- Drum pressure roller
- Band brakes: manual/failsafe autom.
- Manual disengaging clutch
- Alternative speeds
- Alternative supply voltages
- Drum guards
- Spooling gears
- Grooved drums
- Manual emergency crank
- Slip ring mounting
- Alt. drum dimensions / split drums / add. rope anchors / etc.
- Warping head
- Marine / offshore coating systems

Available control options

- Control box IP 55 with push buttons and emergency stop built acc. to NEN 1010
- Control box IP 55 with low voltage IP 65 remote control built acc. to NEN 1010
- Load limiter (required by CE for applications exceeding 1000 kg W.L.L.)
- Radio /infra red remote control
- Frequency inverter for variable speed control
- Limit switches (electric, pneumatic or hydraulic)
- Slack wire switches (electric, pneumatic or hydraulic)
- Proportional local or remote control valve (pneumatic or hydraulic)

Winches

FD series - planetary crane winches

Specially designed for applications where space is at a premium, these compact and light weight lifting winches are ideally suited for installation on cranes, davits and derricks. The single drum support enables the rope to leave the drum at any angle. The heavy duty planetary drive is partly located within and protected by the drum core. The large drum diameters ensure a healthy drum to cable diameter ratio and a sufficient working length despite the short drums.

Working loads up to 8 tons could be possible for these winches, please ask for our offer.

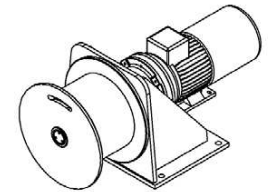
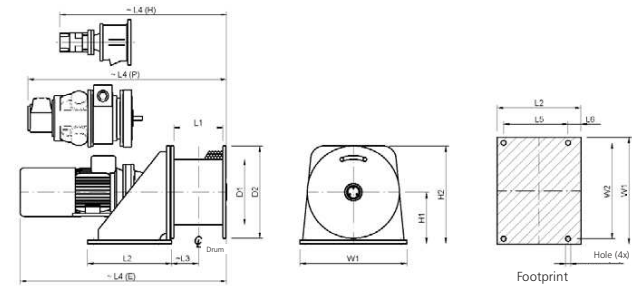


FD series

FD series

| Type | Brand | Capacity 1st. layer kg | Capacity Top Layer kg | Cable diameter mm | Speed 1st. layer m/min | Speed Top Layer m/min | Drum cap. 1st. layer m | Drum cap. alle Lagen m | Motor power 400V AC kW | Pressure drop bar | Air cons. l/min |
|-------------|-------|------------------------|-----------------------|-------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|-------------------|-----------------|
| FD-300 E | RR1 | 950 | 800/4 | 8 | 15 | 18 | 17 | 70/4 | 2.2 | - | - |
| FD-301 E | RR1 | 1.850 | 1.500/4 | 11 | 15 | 19 | 12 | 53/4 | 5.5 | - | - |
| FD-303 E | RR1 | 2.300 | 2.000/3 | 12 | 12 | 14 | 14 | 43/3 | 5.5 | - | - |
| FD-305 E | RR1 | 3.350 | 2.800/3 | 14 | 14 | 17 | 13 | 42/3 | 7.5 | - | - |
| FD-306 E | RR1 | 4.100 | 3.500/3 | 16 | 11 | 13 | 18 | 59/3 | 7.5 | - | - |
| FD-307 E | RR1 | 5.250 | 4.500/3 | 18 | 15 | 18 | 19 | 60/3 | 11 | - | - |
| | | | | | | | | | | | |
| FD-300 H | RR1 | 950 | 800/4 | 8 | 20 | 24 | 17 | 70/4 | - | 130 | 65 |
| FD-301 H | RR1 | 1.850 | 1.500/4 | 11 | 15 | 19 | 12 | 53/4 | - | 120 | 70 |
| FD-303 H | RR1 | 2.300 | 2.000/3 | 12 | 12 | 14 | 14 | 43/3 | - | 135 | 52 |
| FD-305 H | RR1 | 3.350 | 2.800/3 | 14 | 14 | 17 | 13 | 42/3 | - | 140 | 50 |
| FD-306 H | RR1 | 4.100 | 3.500/3 | 16 | 11 | 13 | 18 | 59/3 | - | 130 | 70 |
| FD-307 H | RR1 | 5.250 | 4.500/3 | 18 | 15 | 18 | 19 | 60/3 | - | 140 | 70 |
| | | | | | | | | | | | |
| FD-300 LPR1 | RR1 | 800 | 675/4 | 8 | 8 | 10 | 17 | 70/4 | - | 7 | 30 |
| FD-300 LPR2 | RR1 | 950 | 800/4 | 8 | 18 | 20 | 17 | 70/4 | - | 7 | 85 |
| FD-301 LPR2 | RR1 | 1.850 | 1.500/4 | 11 | 9 | 11 | 12 | 53/4 | - | 7 | 85 |
| FD-303 LPR2 | RR1 | 2.300 | 2.000/3 | 12 | 7 | 8 | 14 | 43/3 | - | 7 | 90 |
| FD-303 LPR3 | RR1 | 2.300 | 2.000/3 | 12 | 15 | 18 | 14 | 43/3 | - | 7 | 140 |
| FD-305 LPR3 | RR1 | 3.350 | 2.800/3 | 14 | 12 | 14 | 13 | 42/3 | - | 7 | 150 |
| FD-306 LPR4 | RR1 | 4.100 | 3.500/3 | 16 | 15 | 18 | 18 | 59/3 | - | 7 | 225 |
| FD-307 LPR4 | RR1 | 5.250 | 4.500/3 | 18 | 13 | 15 | 19 | 60/3 | - | 7 | 240 |

Dimensions



Dimensions FD series

| Type | Weight kg | D1 mm | D2 mm | L1 mm | L2 mm | L3 mm | L4(E) mm | L4(H) mm | L4(P) mm | L5 mm | L6 mm | H1 mm | H2 mm | W1 mm | W2 mm | Hole diam. |
|------|-----------|-------|-------|-------|-------|-------|----------|----------|----------|-------|-------|-------|-------|-------|-------|------------|
| 300 | 120 | 244 | 380 | 176 | 310 | 93 | 774 | 548.5 | 742 | 240 | 44 | 215 | 405 | 440 | 400 | 18 |
| 301 | 140 | 244 | 380 | 176 | 310 | 93 | 832 | 557.5 | 765 | 240 | 44 | 215 | 405 | 440 | 400 | 18 |
| 303 | 200 | 272 | 410 | 191 | 350 | 107.5 | 894 | 623 | 928 | 275 | 50 | 235 | 440 | 500 | 450 | 22 |
| 305 | 240 | 272 | 410 | 210 | 350 | 116 | 1064 | 669 | 1054 | 275 | 50 | 235 | 440 | 500 | 450 | 22 |
| 306 | 370 | 355 | 500 | 266 | 455 | 146 | 1120 | 831 | 1110 | 350 | 70 | 280 | 530 | 580 | 520 | 27 |
| 307 | 590 | 406 | 625 | 270 | 510 | 150 | 1332 | 922 | 1258 | 400 | 75 | 355 | 668 | 750 | 680 | 27 |

Standard features

- Heavy duty planetary gearbox
- **FD E:** IP 54 aluminium braked motor 400 VAC / 3 phase / 50 Hz. (440VAC/ 3 phase / 60 Hz)
- **FD H:** orbit or radial piston type hydraulic motor complete with brake valve
- **FD LPR:** radial piston type air motor complete with hand control valve and mufflers
- Steel drum with cable fixing point at flange
- Single drum support
- Single layer 1 component conservation, (colour BS 20 medium blue).

Options

- IP56 TENV cast iron motor for marine applications
- Explosion proof motors
- Protective steel motor cover
- Drum pressure roller
- Alternative speeds
- Alternative supply voltages
- Drum guards
- Marine / offshore coating systems

Available control options

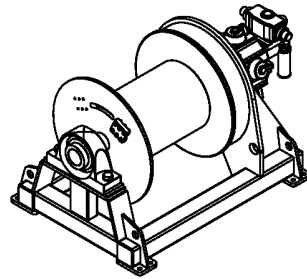
- Control box IP 55 with push buttons and emergency stop built acc. to NEN 1010
- Control box IP 55 with low voltage IP 65 remote control built acc. to NEN 1010
- Load limiter (required by CE for applications exceeding 1000 kg W.L.L.)
- Radio / Infra red remote control
- Frequency inverter for variable speed control
- Limit switches
- Slack wire switches
- Radio / Infrared remote control

Winches

OAW series - Offshore air winches

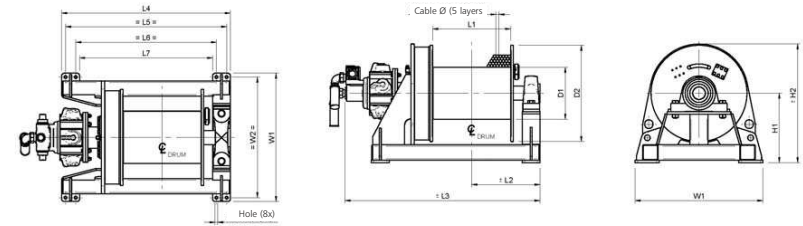
A range of compact lifting and pulling air winches specially designed for offshore applications and any other hazardous environment where space is limited. The heavy duty planetary gearbox and brake are mounted within the drum core, which both save space and protect from any external damage. Winches designed to meet independent third party requirements, like Lloyds, ABS, DNV, etc.

These standard winches can be fitted with several options and accessories. Further two of the winches are man riding prepared, adding some options and reducing the W.L.L. means that the winch can be used for man riding applications too. For Pod Line and Guide Line operations two standard winches are available with tall flanges and longer drums to accommodate cables up to 2000 meters.



OAW series

Dimensions



OAW series

| Type | Brand | IR equivalent | Capacity 1st. layer kg | Capacity 5th. layer kg | Rope diameter mm | Speed 5th. layer m/min | Drum cap. 5th. layer m | Pressure drop bar | Air cons. l/min |
|-----------|-------|----------------|------------------------|------------------------|------------------|------------------------|------------------------|-------------------|-----------------|
| OAW2.0 | RRI | | 2810 | 2000 | 13 | 20 | 250 | 7 | 160 |
| | | FA2-24XK1 | 2730 | 2000 | 13 | 14 | 234 | 6.3 | 160 |
| OAW2.5 LS | RRI | N.A. | 3300 | 2500 | 16 | 11 | 211 | 6 | 130 |
| OAW2.5 | RRI | | 3300 | 2500 | 16 | 44 | 211 | 7 | 330 |
| OMR1.5 | RRI | | 2000 | 1500 | 13 | 41 | 250 | 5 | 250 |
| | | FA2.5AMR24MK1G | 1940 | 1420 | 13 | 61 | 234 | 6.3 | 265 |
| OAW4.5 | RRI | | 6300 | 4500 | 19 | 23 | 210 | 7 | 330 |
| | | FA5-24XK1 | 6900 | 5000 | 19 | 16 | 224 | 6.3 | 330 |
| OMR3.0 | RRI | | 4400 | 3150 | 19 | 23 | 210 | 5.5 | 280 |
| | | FA5MR24MK1G | 3921 | 2841 | 19 | 36 | 224 | 6.3 | 285 |
| OAW6.5 | RRI | | 9100 | 6500 | 22 | 17 | 208 | 7 | 350 |
| | | FA5-24XK1 | 6900 | 5000 | 19 | 16 | 224 | 6.3 | 330 |
| OAW6.5 GL | RRI | | 9880 | 7000 | 22 | 12 | 208 | 6.3 | 355 |
| | | FA7-24XK1 | 3760 | 1545 (17) | 19 | 36 (17) | 2000 (17) | 6 | 180 |
| OAW6.5 PL | RRI | | 3545 | 1545 (17) | 19 | 32 (17) | 2000 (17) | 6.3 | 355 |
| | | FA7TGL42 | 11280 | 4636 (17) | 19 | 25 (17) | 2000 (17) | 7 | 350 |
| OAW7.0 | RRI | | 10364 | 4636 (17) | 19 | 20 (17) | 2000 (17) | 6.3 | 355 |
| | | FA7TPL42 | 9880 | 7000 | 22 | 14 | 208 | 7 | 350 |
| OAW8.5 | RRI | | 9880 | 7000 | 22 | 12 | 208 | 6.3 | 355 |
| | | FA5-24XK1 | 11800 | 8500 | 25 | 12 | 226 | 7 | 350 |
| OAW10.5 | RRI | | 9880 | 7000 | 25 | 12 | 189 | 6.3 | 355 |
| | | FA7-24XK1 | 14000 | 10500 | 29 | 10 | 231 | 7 | 330 |
| | | FA-10XK1 | 14320 | 10000 | 28 | 7 | 200 | 6.3 | 380 |

Dimensions OAW series

| Type | Weight kg | D1 mm | D2 mm | L1 mm | L2 mm | L3 mm | L4 mm | L5 mm | L6 mm | L7 mm | H1 mm | H2 mm | W1 mm | W2 mm | Hole diam. |
|------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| OAW 2.0 | 520 | 298 | 550 | 610 | 470 | 1468 | 1120 | 1060 | 940 | 880 | 395 | 675 | 700 | 660 | 14 |
| OAW 2.5 LS | 520 | 298 | 550 | 610 | 470 | 1468 | 1120 | 1060 | 940 | 880 | 395 | 675 | 700 | 660 | 14 |
| OAW 2.5 | 550 | 298 | 550 | 610 | 470 | 1468 | 1120 | 1060 | 940 | 880 | 395 | 675 | 700 | 660 | 14 |
| OAW 1.5 | 550 | 298 | 550 | 610 | 470 | 1468 | 1120 | 1060 | 940 | 880 | 395 | 675 | 700 | 660 | 14 |
| OAW 4.5 | 800 | 355 | 700 | 610 | 500 | 1556 | 1220 | 1180 | 1020 | 980 | 475 | 835 | 840 | 790 | 19 |
| OAW 3.0 | 800 | 355 | 700 | 610 | 500 | 1556 | 1220 | 1180 | 1020 | 980 | 475 | 835 | 840 | 790 | 19 |
| OAW 6.5 | 1125 | 406 | 750 | 610 | 535 | 1576 | 1320 | 1260 | 1100 | 1040 | 540 | 925 | 1000 | 940 | 22 |
| OAW 6.5 GL | 1410 | 406 | 1070 | 1067 | 764 | 2039 | 1780 | 1720 | 1560 | 1500 | 590 | 1125 | 1200 | 1140 | 22 |
| OAW 6.5 PL | 1535 | 406 | 1070 | 1067 | 764 | 2039 | 1780 | 1720 | 1560 | 1500 | 590 | 1125 | 1200 | 1140 | 22 |
| OAW 7.0 | 1125 | 406 | 750 | 610 | 535 | 1576 | 1320 | 1260 | 1100 | 1040 | 540 | 925 | 1000 | 940 | 22 |
| OAW 8.5 | 1615 | 508 | 900 | 610 | 524 | 1789 | 1370 | 1300 | 1100 | 1030 | 625 | 1090 | 1120 | 1050 | 26 |
| OAW 10.5 | 1880 | 609 | 1010 | 610 | 529 | 1789 | 1370 | 1300 | 1100 | 1030 | 680 | 1205 | 1220 | 1150 | 26 |

Standard features

- Heavy duty planetary gearbox integrated in gearbox
- Cast steel five cylinder radial piston motor
- Proportional biased throttle valve
- Exhaust silencing mufflers
- Steel drum, length 610 mm with cable fixing point at flange
- Two drum supports
- Standard temp. range -10° to 50°C
- Oil bath disc brake
- Lifting lugs
- Offshore multi layer 2 component conservation (color RAL 1023 yellow).

Options

- Alternative drum lengths
- Drum pressure rollers / Drum guards
- Drum locking pins / Drum dividers
- Band brakes (manual or automatic failsafe)
- Spooling gears
- Grooved drums
- Tubular offshore frame construction
- Special temp. range -40°C to +50°C
- Natural gas driven

Available control options

- Emergency main shut off valves
- Load limiters
- Limit switches (pneumatic)
- Slack wire switches (pneumatic)
- Proportional remote control valve
- Air service units
- Matching frame with IR, Atlas, Beebe, Chicago or Gardner