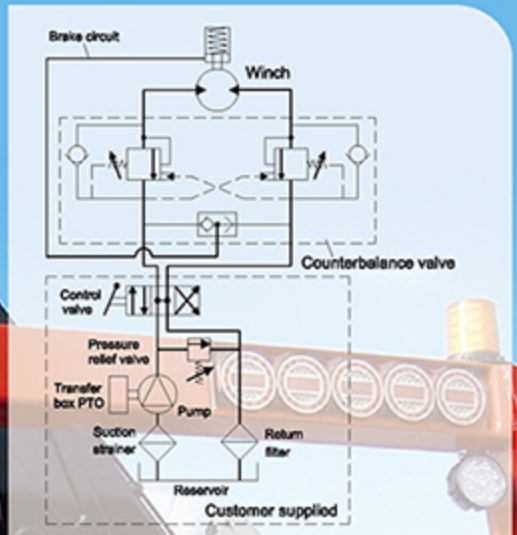
Bison Series

20,000 - 30,000 - 50,000 lb pulling capacity

1. Powered by a PTO (power take off unit) driven pump with variable recovery speeds for high working rate.
2. Highly efficient and constant operating torque motor.
3. Uses a patented Multi-Disc Brake (MDB) for safe and secure load holding
4. Hardened 2-stage planetary gear train provides faster line speeds.
5. Built-in air clutch for rapid wire rope payout

Remark : Low pressure motor or EN Version available upon request



(Powered by PTO / power take off unit driven pump)
The installation of the counterbalance valve supplied is required for 100% braking

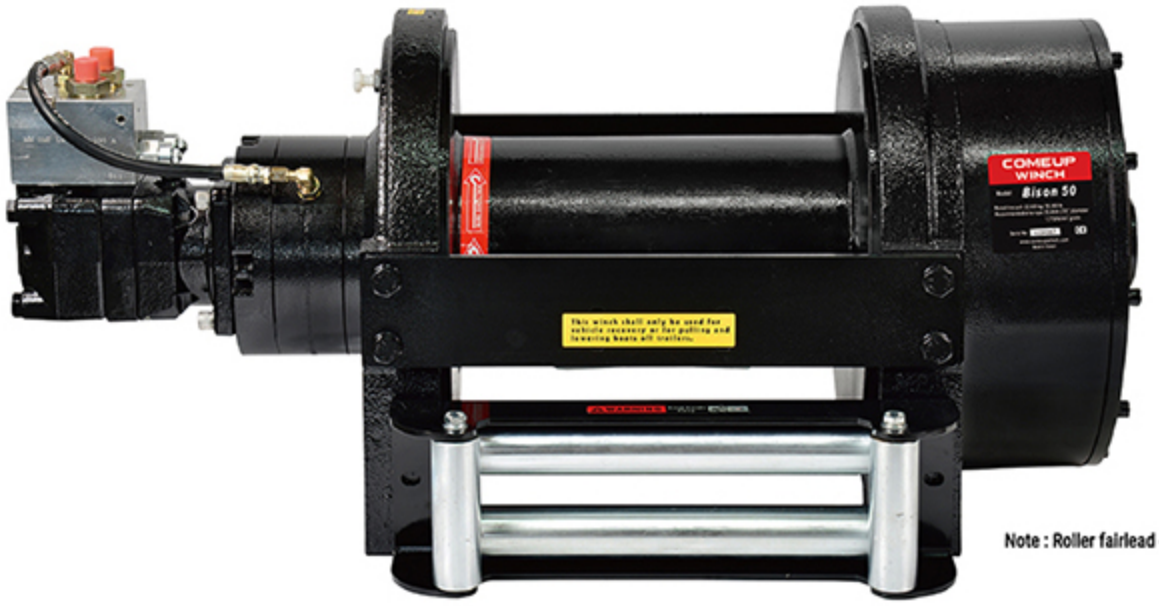
COMEUP WINCH

Bison 50

50,000 LB Hydraulic Recovery Winch

• Meets SAE J706 revised AUG2003, CE Machinery Directive 2006/42/EC

PN 685010 Std. dum



Note : Roller fairlead does not mount to winch

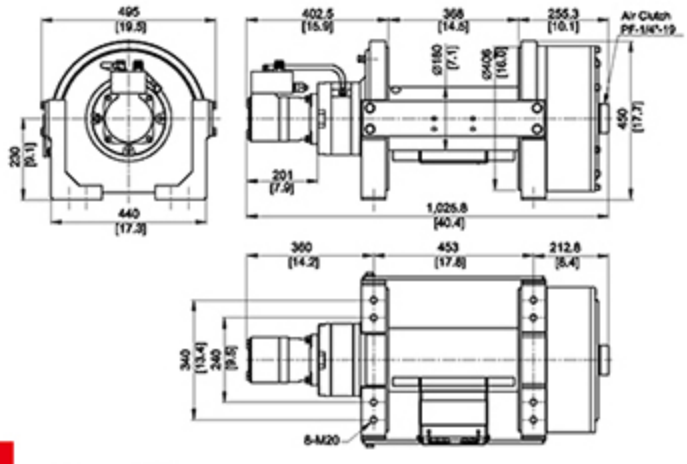
SPECIFICATIONS :

Rated line pull : 22,680 kg (50,000 lb) SAE J706 ratings
Operation pressure : 200 bar / 2,900 psi
Max oil flow : 100 l/min (26.5 g/min)
Hydraulic motor : 251.8 cm³ / rev (15.4 in³ / rev)
Gear train & ratio : 2-stage planetary gear 44:1
Winch construction : Cast housings with steel drum
Clutch (Freespooling) : Output shaft disengaged
Brake : Multi-Disc Brake (MDB) patented and counterbalance valve supplied
Rotation of winch : Wire rope shall be under-wound orientation only
Drum barrel diameter : 180 mm (7.1")
Drum flange diameter : 406 mm (16")
Distance between flanges : 368 mm (14.5")
Mounting bolt pattern : 240 x 453 mm (9.5" x 17.8") ; 340 x 453 mm (13.4" x 17.8")
Wire rope recommended : 22.4 mm x 48 m (7/8" x 157') 1,770 N/mm² (EIPS) breaking strength of 305 kN (68,566 lbf) required for SAE J706 ratings.
Winch weight : 375 kg / 827 lb
Gross weight : 410 kg / 904 lb
Box dimension, (L x D x H) : 1,170 x 630 x 670 mm (46" x 24.8" x 26.4")

PERFORMANCE DATA :

Line Pull and Rope Capacity			Line Speed
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft	at 100 l/min (26.5 g/min), mpm / fpm
1st	22,680 / 50,000	10 / 33	5.7 / 19
2nd	18,570 / 40,940	22 / 72	7.0 / 23
3rd	15,720 / 34,660	36 / 118	8.3 / 27
4th	13,630 / 30,050	48 / 157	9.6 / 31

DIMENSION mm/in :

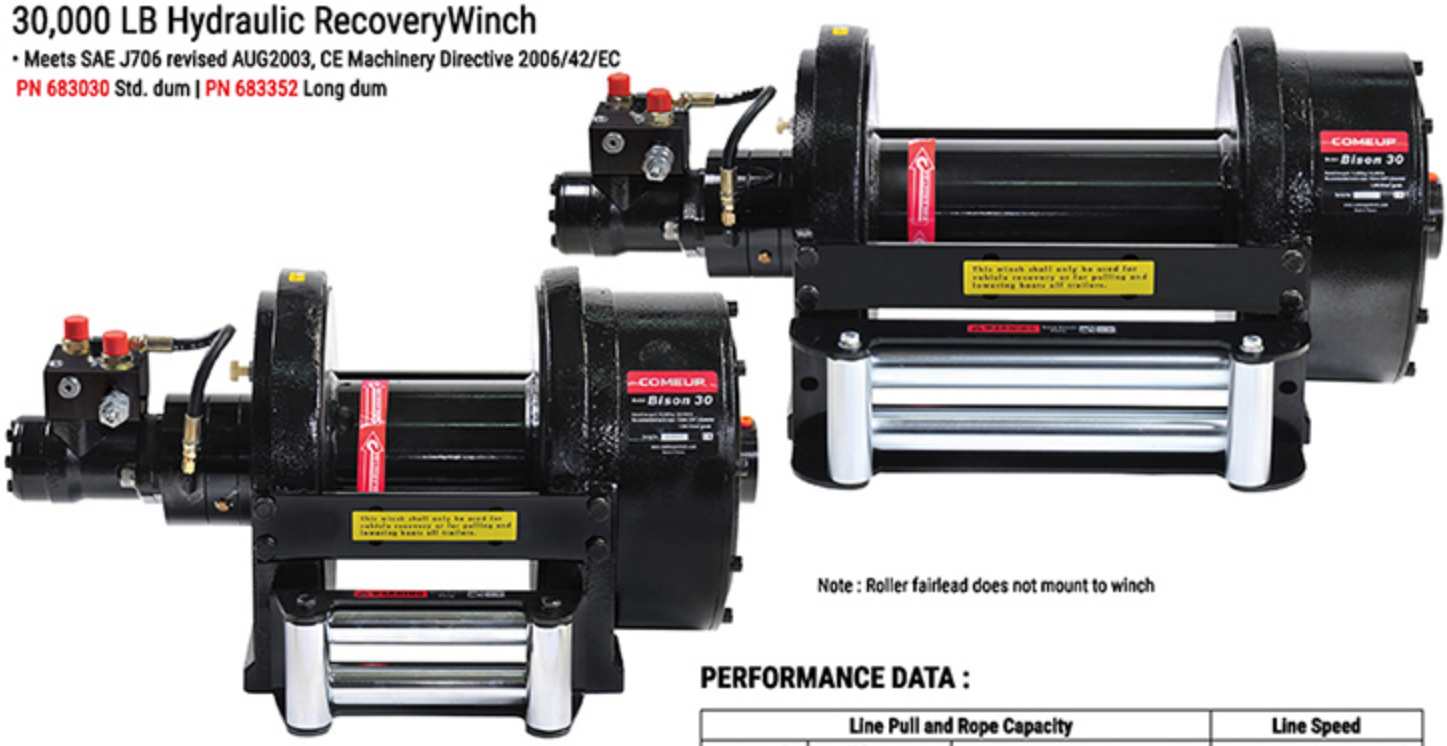


Bison 30

30,000 LB Hydraulic RecoveryWinch

- Meets SAE J706 revised AUG2003, CE Machinery Directive 2006/42/EC

PN 683030 Std. dum | PN 683352 Long dum



Note : Roller fairlead does not mount to winch

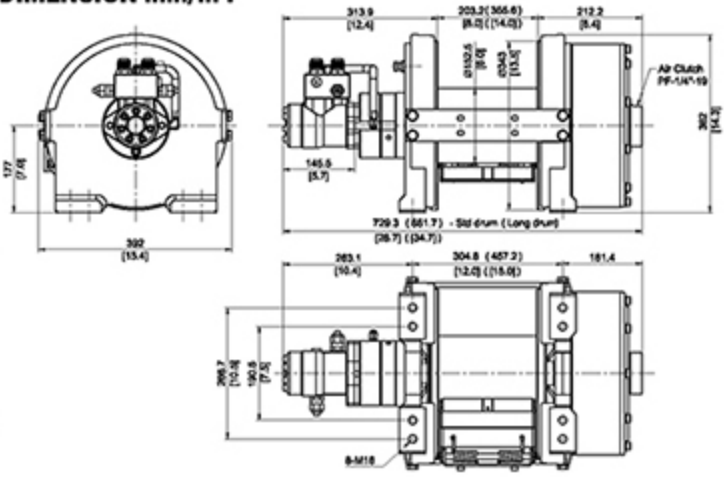
SPECIFICATIONS :

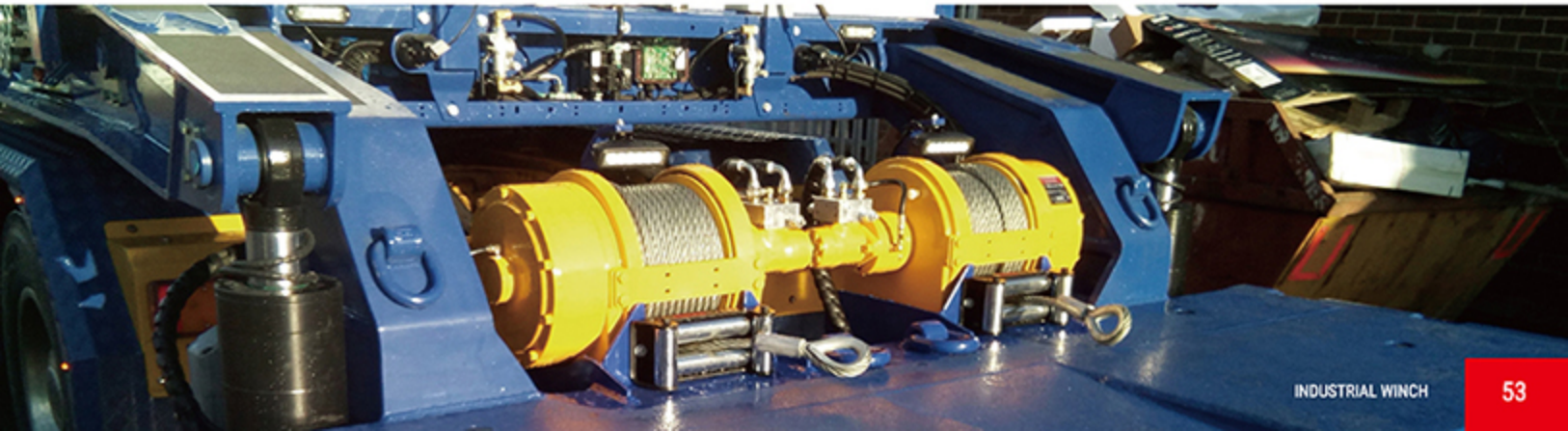
Rated line pull : 13,600 kg (30,000 lb) SAE J706 ratings
Operation pressure : 175 bar / 2,540 psi
Max oil flow : 60 l/min (15.9 g/min)
Hydraulic motor : 155.7 cm3 / rev (9.5 in3 / rev)
Gear train & ratio : 2-stage planetary gear 41:1
Winch construction : Cast housings with steel drum
Clutch (Freespooling) : Output shaft disengaged
Brake : Multi-Disc Brake (MDB) patented and counterbalance valve supplied
Rotation of winch : Wire rope shall be under-wound orientation only
Drum barrel diameter : 152.5 mm (6")
Drum flange diameter : 343 mm (13.5")
Distance between flanges : 203.2 mm (8") - Std. drum; 355.6 mm (14") - Long drum
Mounting bolt pattern :
Std. drum - 190.5 x 304.8 mm (7.5" x 12"); 266.7 x 304.8 mm (10.5" x 12")
Long drum - 190.5 x 457.2 mm (7.5" x 18"); 266.7 x 457.2 mm (10.5" x 18")
Wire rope recommended : 16 mm x 43 m (5/8" x 141') for Std. drum and 75 m (246') for Long drum, 1,960 N/mm² (EIPS) grade with a minimum breaking strength of 179 kN (40,167 lbf) required for SAE J706 ratings.
Winch weight : 175 kg / 386 lb (Std. drum); 197 kg / 434 lb (Long drum)
Gross weight : 198 kg / 437 lb (Std. drum); 235 kg / 518 lb (Long drum)
Box dimension , (L x D x H) : 900 x 510 x 530 mm (35.4" x 20.1" x 20.9") - Std. drum
1,040 x 620 x 510 mm (40.9" x 24.4" x 20.1") - Long drum

PERFORMANCE DATA :

Line Pull and Rope Capacity				Line Speed
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft Std. drum	Long drum	at 60 l/min (15.9 g/min), mpm / fpm
1st	13,600 / 30,000	6 / 20	11 / 36	5.0 / 16
2nd	11,438 / 25,216	14 / 44	25 / 82	5.9 / 19
3rd	9,864 / 21,745	22 / 73	40 / 131	6.9 / 23
4th	8,670 / 19,115	32 / 104	58 / 190	7.8 / 26
5th	7,735 / 17,052	43 / 141	75 / 246	8.8 / 29

DIMENSION mm/in :





COMEUP WINCH

Bison 20

20,000 LB Hydraulic Recovery Winch

• Meets SAE J706 revised AUG2003, CE Machinery Directive 2006/42/EC and EN 14492-1:2006 Power Driven Winches

PN 682030 Std. dum | PN 682169 Long dum

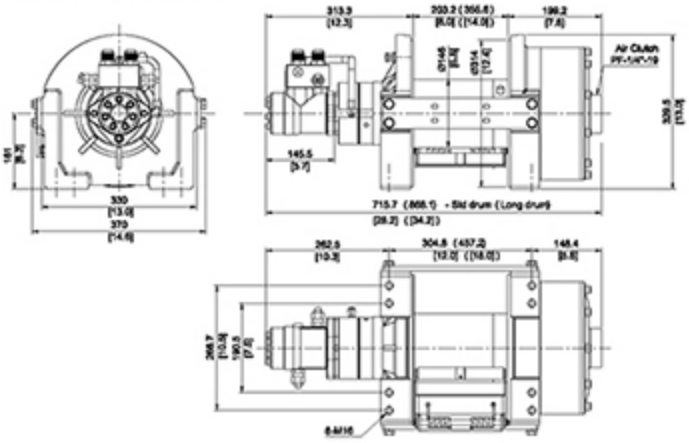
EN 14492-1 COMPLIANT

Note : Roller fairlead does not mount to winch

SPECIFICATIONS :

Rated line pull : 9,070 kg (20,000 lb) EN 14492-1 rating & SAE J706 rating
Operation pressure : 175 bar / 2,540 psi
Max oil flow : 60 l/min (15.9 g/min)
Hydraulic motor : 155.7 cm3 / rev (9.5 in3 / rev)
Gear train & ratio : 2-stage planetary gear 30:1
Winch construction : Cast housings with steel drum
Clutch (Freespooling) : Output shaft disengaged
Brake : Multi-Disc Brake (MDB) patented and counterbalance valve supplied
Rotation of winch : Wire rope shall be under-wound orientation only
Drum barrel diameter : 146 mm (5.8")
Drum flange diameter : 314 mm (12.4")
Distance between flanges : 203.2 mm (8") - Std. drum ; 355.6 mm (14") - Long drum
Mounting bolt pattern :
Std. drum - 190.5 x 304.8 mm (7.5" x 12") ; 266.7 x 304.8 mm (10.5" x 12")
Long drum - 190.5 x 457.2 mm (7.5" x 18") ; 266.7 x 457.2 mm (10.5" x 18")
Wire rope recommended :
* 16 mm x 30 m for Std. drum and 55 m for Long drum, 1,960 N/mm² grade with a minimum breaking strength of 179 kN required for EN 14492-1 rating.
* 9/16" x 141' for Std. drum and 262' for Long drum, EIPS grade with a minimum breaking strength of 30,472 lbf required for SAE J706 rating.
Winch weight : 135 kg / 298 lb (Std. drum) ; 150 kg / 331 lb (Long drum)
Gross weight : 165 kg / 364 lb (Std. drum) ; 195 kg / 430 lb (Long drum)
Box dimension, (L x D x H) : 870 x 500 x 510 mm (34.3" x 19.7" x 20.1") - Std. drum
1,025 x 500 x 510 mm (40.4" x 19.7" x 20.1") - Long drum

PERFORMANCE DATA :

Line Pull and Rope Capacity						Line Speed
Layer of Wire Rope	Pull by Layer, kg / lb	Total Rope on the Drum, m / ft Std. drum 14 mm rope	16 mm rope	Long drum 14 mm rope	16 mm rope	at 60 l/min (15.9 g/min), mpm / fpm
1st	9,070 / 20,000	7 / 23	6 / 20	12 / 39	11 / 36	7.1 / 23
2nd	7,719 / 17,017	15 / 49	13 / 43	27 / 89	24 / 79	8.3 / 27
3rd	6,719 / 14,813	24 / 79	21 / 69	43 / 141	39 / 128	9.5 / 31
4th	5,948 / 13,113	34 / 112	30 / 98	62 / 203	55 / 180	10.8 / 35
5th	5,335 / 11,762	43 / 141	-	80 / 262	-	12 / 39

DIMENSION mm/in :