

Winches

- ▶ Ideal in hot, dirty, and wet environments
- ▶ Run cool and can be stalled without damage
- ▶ Throttles vary pressure and flow for excellent speed and load control
- ▶ Disengaging clutches on select models allow free spooling of unloaded wire rope



BU7A

Utility Model	ASME B30.7 Allowable Rated Line Pulls With Design Factor Lifting (5:1 DF) lb (kg)	ASME B30.7 Allowable Rated Line Pulls With Design Factor Pulling (3:5:1 DF) lb (kg)	Max Stall Pull lb	Rated Lift Capacity kg	Clutch	Standard Cable Payout
BU7A ³	1,000 (454)	1,200 (545)	1,950 (886)	Mid layer	Standard	Overwound
PS2-1000R ³	1,320 (600)	2,200 (1000)	2,475 (1125)	First layer	Standard	Overwound
EU ³	2,000 (909)	2,855 (1298)	4,500 (2045)	Mid layer	Standard	Overwound
PS2400R ³	3,300 (1500)	5,280 (2400)	4,500 (2045)	First layer	Standard	Underwound
FA2B	4,000 (1818)	4,000 (1818)	6,800 (3084)	Mid layer	Option	Overwound
FA2BMR ⁴	2,500 (1136)	4,000 (1818)	6,800 (3084)	Mid layer	Option	Overwound
FA5A	10,000 (4545)	14,285 (6493)	17,000 (7727)	Mid layer	Option	Overwound

Air Winch Series	Lifting Capacity lb ¹ (kg ¹)	Line Speed fpm (m/min)	Recommended Rope Size ²		Drum Root Diameter in (mm)	Motor hp	Average Required scfm (m ³ /min)	Pipe Inlet Size in	Hose Size Diameter in	Rope Anchor Hole in	Recommended Portable Compressor
			15:1 in (mm)	18:1 in (mm)							
BU7A ³	1,000 (455)	43 (13)	1/4" (6.5)	1/4" (6.5)	4-1/2" (114)	1.6	50 (1.4)	1/2"	3/4"	11/32"	P185
PS2-1000R ³	N/A	15 (4.6)	1/4" (6.5)	5/16" (8)	5-1/2" (140)	2	78 (2.2)	1/2"	3/4"	3/8"	P185
EU ³	2,000 (909)	55 (17)	3/8" (10)	3/8" (10)	6" (152)	4.4	100 (2.8)	3/4"	1"	9/16"	P185
PS2400R ³	N/A	12 (3.7)	3/8" (10)	3/8" (10)	7-3/32" (180)	3.3	125 (3.5)	3/4"	3/4"	10 mm	P185
FA2B	4,000 (1818)	122 (37)	5/8" (16)	1/2" (13)	9-1/4" (235)	16	350 (9.9)	1-1/4"	1-1/4"	5/8"	P185, P250
FA2BMR ⁴	2,500 (1136)	168 (51)	5/8" (16)	1/2" (13)	9-1/4" (235)	15	380 (10.8)	1-1/4"	1-1/2"	5/8"	P185, P250
FA5A	10,000 (4545)	60 (18)	7/8" (22)	3/4" (19)	12-3/4" (324)	25	700 (20)	1-1/4"	1-1/2"	3/4"	P375, P600

¹ Lifting capacity rating complies with ASME B30.7 for base-mounted drum hoists. Provides 5:1 design factor based on the rated line pull for lifting.

² Extra improved plow steel IWRC wire rope.

³ The BU7A, EU, PS1000R, and PS2400R are fitted as standard with a free spool clutch. These winches can be used for lifting at the capacity shown to maintain 5:1 DF only in those countries that allow it.

⁴ DF 8:1.

Wire ropes

Rope Size in (mm)	Breaking Strength lb ¹ (kg ¹)	Weight lb/ft (kg/m)	Recommended Safe Pulling 3.5:1 ² lb (kg)	Working Loads Lifting / Lowering 5:1 ² lb (kg)
1/4" (6)	5,880 (2672)	0.11 (0.16)	1,680 (764)	1,176 (534)
5/16" (8)	9,160 (4163)	0.18 (0.27)	2,616 (1189)	1,832 (833)
3/8" (9)	13,120 (5963)	0.26 (0.39)	3,748 (1704)	2,624 (1193)
7/16" (12)	17,780 (8081)	0.35 (0.52)	5,080 (2309)	3,556 (1616)
1/2" (13)	23,000 (10454)	0.46 (0.69)	6,570 (2986)	4,600 (2091)
5/8" (15)	35,800 (16271)	0.72 (1.07)	10,228 (4649)	7,160 (3255)
3/4" (19)	51,200 (23270)	1.04 (1.55)	14,628 (6649)	10,240 (4655)
7/8" (22)	69,200 (31451)	1.42 (2.12)	19,771 (8987)	13,840 (6291)
1" (25)	89,800 (40814)	1.85 (2.76)	25,657 (11662)	17,960 (8164)
1-1/8" (28)	113,000 (51359)	2.34 (3.49)	32,286 (14675)	22,600 (10273)

¹ Based on improved plow steel wire rope with independent wire rope core.

² Regarding ropes, ASME B30.7 requires a minimum of 3.5:1 design factor with 15:1 rope pitch diameter to drum diameter for most winching applications. For lifting and lowering a 5:1 design factor with an 18:1 rope pitch diameter to drum diameter is required.

Kits and accessories

Model	Drum Guard	Air Strainer	Lubricator	Muffler ¹
BU7A	BU7A-K298A	EU-A267 (3/4")	L30-06-000	50592
EU	EU-K298A	EU-A267 (3/4")	L30-06-000	50592
PS2-1000RGC-L	7618-0059	EU-A267 (3/4")	L30-06-000	Built-in
PS2400RGC-L	76310027	EU-A267 (3/4")	L30-06-000	Built-in
FA2B-20MX1	26317-3	K4U-A267AT (1-1/4")	L40-OB-G00 (1-1/2")	71297469
FA2BMR	26317-3	K4U-A267AT (1-1/4")	L40-OB-G00 (1-1/2")	71297469
FA5A-24MX1	23507	ST900-267-24 (1-1/2")	L40-OB-G00 (1-1/2")	71297469

¹ Customer supplies fittings.

² For assembled drum guard add "G" to the end of model number.

Drum wire rope storage capacities

Model	Capacity lb (kg)	1/4" ft (m)	5/16" ft (m)	Max Length On Winch (tightly wound)		1/2" ft (m)	5/8" ft (m)	3/4" ft (m)
BU7A	1,000 (454)	228' (70)	132' (40)	N/A	N/A	N/A	N/A	N/A
PS2-1000RGC-L	1,320 (600)	600' (183)	335' (102)	N/A	N/A	N/A	N/A	N/A
EU	2,000 (909)	N/A	339' (108)	220' (67)	164' (50)	N/A	N/A	N/A
PS2400RGC-L	3,300 (1500)	N/A	593' (181)	394' (120)	N/A	N/A	N/A	N/A
FA2B-20MX1	4,000 (1818)	N/A	N/A	1,758' (536)	1,371' (418)	1,068' (326)	625' (191)	N/A
FA2BMR	2,500 (1136)	N/A	N/A	1,758' (536)	1,371' (418)	1,068' (326)	625' (191)	N/A
FA5A-24MX1	10,000 (4545)	N/A	N/A	N/A	N/A	N/A	1,833' (559)	1,200' (366)



PS2400RGC-L



FA5A-LMX1