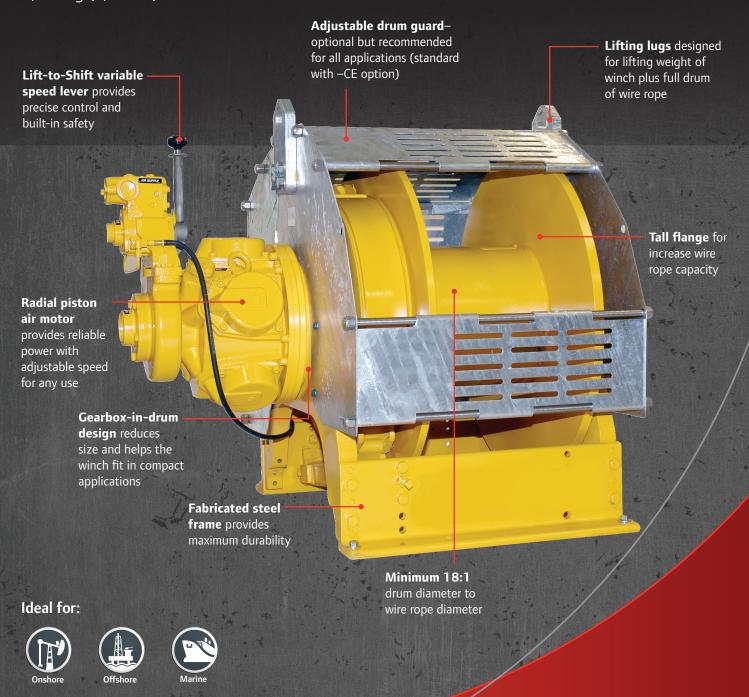


# Infinity FA5Ti Air Winches 3,810 kg (8,400 lb)

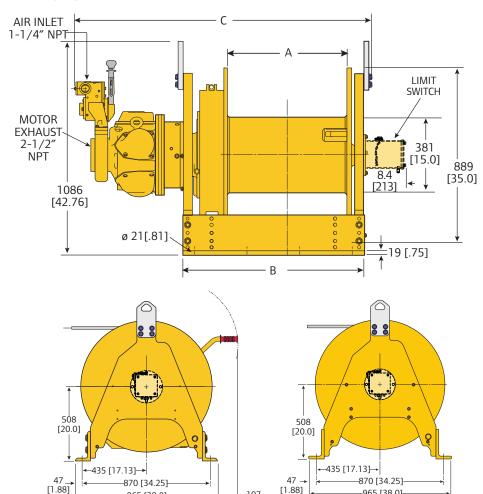




## Infinity FA5Ti Air Winches

3,810 kg (8,400 lb)

Infinity FA5Ti winches have the same powerful radial piston motor, but they feature taller flanges to increase wire rope capacity. Their rugged design and 3,810 kg (8,400 lb) lifting capacity make them ready to take on your most challenging applications.

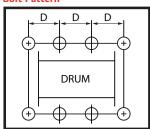


**←**107

-965 [38.0]

XK Option

#### **Bolt Pattern**



Dimensions shown are mm. Dimensions in Brackets [] are inches. Dimensions are subject to change. Contact factory for certified drawings.

	АВ		С			Bolt Pattern D				
Model	MX,XK,MK,AK mm (in)	MX,MK, AK mm (in)	XK mm (in)	MX mm (in)	XK mm (in)	MK, AK mm (in)	# of Bolt I MX,MK,AK	Holes XK	MX,MK,AK mm (in)	XK mm (in)
FA5Ti-16**1	406 (16.0)	720 (28.3)	605 (23.8)	1,234 (48.6)	1,204 (47.4)	1,311 (51.6)	6	6	229 (9.0)	159 (6.3)
FA5Ti-20**1	508 (20.0)	821 (32.3)	707 (27.8)	1,336 (52.6)	1,306 (51.4)	1,412 (55.6)	8	8	254 (10.0)	216 (8.5)
FA5Ti-24**1	610 (24.0)	923 (36.3)	809 (31.8)	1,438 (56.6)	1,407 (55.4)	1,514 (59.6)	8	8	267 (10.5)	229 (9.0)
FA5Ti-30**1	762 (30.0)	1,075 (42.3)	961 (37.8)	1,590 (62.6)	1,560 (61.4)	1,666 (65.6)	10	8	254 (10.0)	305 (12.0)
FA5Ti-36**1	914 (36.0)	1,228 (48.3)	1,114 (43.8)	1,742 (68.6)	1,712 (67.4)	1,819 (71.6)	10	8	279 (11.0)	356 (14.0)

965 [38.0] MX, MK and AK Option

<sup>\*\*</sup> Indicated brake configuration. MX: Manual drum, no auto disc; XK: No manual drum, auto disc; MK: Manual drum, auto disc; AK: Auto drum, auto disc. Dimensions subject to change. Contact factory for certified prints. **NOTE:** Limit switches standard on -CE versions only.







Optional limit switch - standard on -CE units

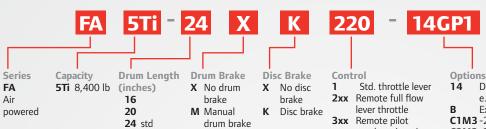
		Line Pull Capacity	Line Speed				
Model	First Layer kg (lb)	Mid Drum kg (lb)	Top Layer kg (lb)	First Layer m/min (fpm)	Mid Drum m/min (fpm)	Top Layer m/min (fpm)	
FA5Ti-16**1	7,620 (16,800)	5,710 (12,600)	3,810 (8,400)	10 (35)	17 (53)	21 (70)	
FA5Ti-20**1	7,620 (16,800)	5,710 (12,600)	3,810 (8,400)	10 (35)	17 (53)	21 (70)	
FA5Ti-24**1	7,620 (16,800)	5,710 (12,600)	3,810 (8,400)	10 (35)	17 (53)	21 (70)	
-A5Ti-30**1	7,620 (16,800)	5,710 (12,600)	3,810 (8,400)	10 (35)	17 (53)	21 (70)	
FA5Ti-36**1	7,620 (16,800)	5,710 (12,600)	3,810 (8,400)	10 (35)	17 (53)	21 (70)	

General Characteristics. Performance at 6.3 bar (90 psi) air inlet pressure with the motor running										
	Motor	Lifting Speed at Top Layer	Air Consumption with Rated Load	Air Volume Needed to Move Rated Load at Top Layer	Stall	Sound Level as per EN 14492-1	Net Weight			
Model	kW (hp)	m/min (fpm)	m³/min (ft³/min)	3 m (10 ft)	kg (lb)	dB(A)	kg (lb)			
FA5Ti-16**1	18.8 (25.2)	21 (70)	20 (700)	2.9 (100.0)	10,725 (23,594)	97	977 (2,153)			
FA5Ti-20**1	18.8 (25.2)	21 (70)	20 (700)	2.9 (100.0)	10,725 (23,594)	97	977 (2,153)			
FA5Ti-24**1	18.8 (25.2)	21 (70)	20 (700)	2.9 (100.0)	10,725 (23,594)	97	977 (2,153)			
FA5Ti-30**1	18.8 (25.2)	21 (70)	20 (700)	2.9 (100.0)	10,725 (23,594)	97	977 (2,153)			
FA5Ti-36**1	18.8 (25.2)	21 (70)	20 (700)	2.9 (100.0)	10,725 (23,594)	97	977 (2,153)			

Drum Capacity									
	Minimum Rope Breaking Force <sup>(1)</sup> kN (lbs)	Recommended Rope Diameter mm (in)	Drum Capacity per Layer <sup>(2)</sup> m (ft)						
Model	()		Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6	
FA5Ti-16**1	187 (42,000)	20 (3/4)	24 (83)	50 (175)	79 (274)	111 (380)	144 (495)	180 (616)	
FA5Ti-20**1	187 (42,000)	20 (3/4)	30 (105)	64 (221)	100 (346)	140 (480)	182 (624)	228 (778)	
FA5Ti-24**1	187 (42,000)	20 (3/4)	37 (127)	77 (267)	121 (418)	169 (580)	220 (754)	275 (940)	
FA5Ti-30**1	187 (42,000)	20 (3/4)	46 (160)	97 (336)	153 (526)	213 (730)	277 (949)	346 (1,183)	
FA5Ti-36**1	187 (42,000)	20 (3/4)	56 (193)	118 (405)	185 (634)	257 (880)	335 (1,144)	418 (1,425)	
Model	Layer 7	Layer 8	Layer 9	Layer 10	Layer 11	Layer 12	Layer 13	Max. Rope Storage Capacity <sup>(3)</sup> m (ft)	
FA5Ti-16**1	218 (746)	259 (883)	302 (1,027)	347 (1,179)	394 (1,339)	444 (1,506)	496 (1,681)	496 (1,863)	
FA5Ti-20**1	276 (941)	327 (1,114)	381 (1,297)	438 (1,489)	498 (1,690)	561 (1,901)	626 (2,122)	626 (2,352)	
FA5Ti-24**1	333 (1,137)	395 (1,346)	460 (1,566)	529 (1,798)	602 (2,041)	677 (2,297)	757 (2,563)	757 (2,841)	
FA5Ti-30**1	420 (1,431)	497 (1,693)	580 (1,970)	666 (2,262)	757 (2,568)	853 (2,889)	952 (3,225)	952 (3,575)	
FA5Ti-36**1	506 (1,724)	600 (2,041)	699 (2,375)	803 (2,726)	913 (3,095)	1028 (3,482)	1,148 (3,886)	1,148 (4,308)	

<sup>(1)</sup> Recommended minimum breaking force of wire rope based on top layer line pull rating.
(2) Drum Capacity is based on tightly wound wire rope. Recommended drum working capacity is 80% of values shown.
(3) Max storage capacity is tightly wound with no freeboard.

#### How to Order



Auto drum

brake

Specify hose/elec. cord length in ft

pendant throttle

4xx Remote pilot lever

throttle

control

5xx Electric over air

#### NOTE:

Add 1 for filter, 2 for lubricator, 3 for regulator (e.g. J12). For protection during shipment and due to the wide range of installation variables, the airline accessories are shipped loose for client installation

30

36

<sup>(2)</sup> M1 – Material traceability certificates according to EN 10204 (Ex DIN 50049) 2.2 on load bearing parts. This conformity document affirms (by the manufacturer) that parts are in compliance with the requirements of the order based on non-specific inspection and testing (i.e., results are typical material properties for these parts).

M2 – Material traceability certificates according to EN 10204 (Ex DIN 50049) 3.1b on load bearing parts. These documents affirm (by a department independent of the manufacturing department) that the actual parts used in the product are in compliance with the order based on specific inspection and testing (i.e., results are actual material properties for those parts).

M3 - Material traceability certificates according to EN 10204 (Ex DIN 50049) 3.1b on load bearing parts. These documents affirm (by a department independent of the manufacturing department) that the actual parts used in the product are in compliance with the order based on specific inspection and testing (i.e., results are actual material properties for those parts in a finished, as delivered condition).

Ingersoll Rand strongly recommends using Drum Guards with all winches to prevent inadvertent contact with winch moving parts

Drum grooving (specify rope size in sixteenths; e.g., 14 = 14/16" or 7/8")

Extended warranty

C1M3 -20° C ABS design temperature C2M3 -20° C DNV design temperature

Drum divider flange & additional cable anchor D

Ε Construction cage G Drum guard Air Line Accessories

Drum Locking Pin

M1<sup>(2)</sup> Material Traceability per DIN 50049/EN10204 Para 2.2 "Typicals"

 $M2^{(2)}$ Material Traceability per DIN 50049/EN10204 Para 3.1b actuals per product as purchased

Material Traceability per DIN 50049/EN10204 Para 3.1b actuals per product as delivered in final condition

Manufactured under ABS survey N5 Manufactured under DNV survey Marine 812 finish paint **P1** Marine 812-X paint system

P2 Marine 812-X paint system - isocyanate free

Q S T Adjustable Accu-Spool™

Rotary limit switch (upper and lower)

Tensioning manifold

U Underwound wire rope takeoff

Press Roller W1 ABS witness test W2 DNV witness test

W3 LRS witness test W4 Client witness of load test

Overload protector with E-Stop provided on lever throttle

-CE **Compliance with the European Machinery** Directive and EN14492-1 for power driven winches

### **Special Orders**



Ingersoll Rand can provide customized solutions for your application. Whether you need to move specialized or high capacity loads or have custom control requirements, we can build the right solution for you. Ingersoll Rand's global account management team, dedicated project managers and engineering teams are focused exclusively on high capacity hoists and winches. From evaluation to installation and beyond, contact us to build your custom solution today.

- Design for custom capacities
- Custom control systems
- Custom product modifications
- · Witness testing and complete certification to most global standards
- Full engineering capabilities including data packages and CAD drawings
- Global Account Management and dedicated project management teams
- Onsite services available including presale evaluation, installation and maintenance





For More Information www.ingersollrandproducts.com/lifting lifting@irco.com



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