

Infinity FA2i Air Winches 2,000 kg (4,400 lb)

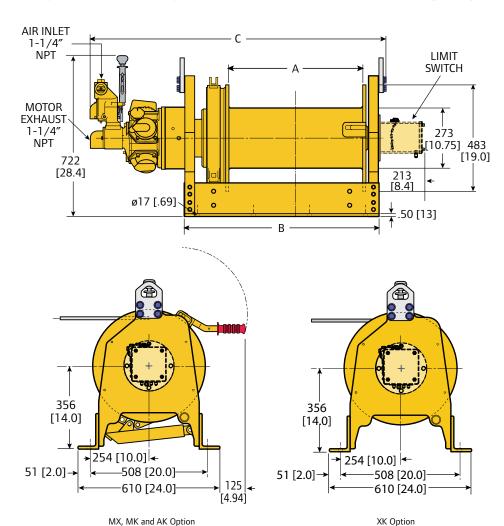




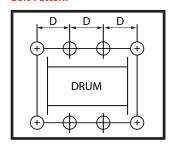
Infinity FA2i Air Winches

2,000 kg (4,400 lb)

Ingersoll Rand Infinity FA2i air winches set the standard in winch technology with premium features and options. Designed to handle 2 tons or less the FA2i winch packs a powerful radial piston air motor into a compact size. Count on the Infinity FA2i winch when you need reliable power in a space saving design.



Bolt Pattern

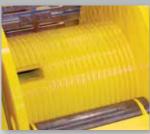


Dimensions shown are mm. Dimensions in Brackets [] are inches. Dimensions are subject to change. Contact factory for certified drawings.

	A	В		С			Bolt Pattern D			
Model	MX, MK, XK, AK mm (in)	MX, MK, AK mm (in)	XK mm (in)	MX mm (in)	XK mm (in)	MK, AK mm (in)	# of Bolt Holes	MX, MK, AK mm (in)	XK mm (in)	
FA2i-12**1	305 (12.0)	579 (22.8)	511 (20.11)	968 (38.1)	945 (37.2)	1,036 (40.8)	6	229 (9.0)	191 (7.5)	
FA2i-16**1	406 (16.0)	681 (26.8)	612 (24.11)	1,069 (42.1)	1,046 (41.2)	1,138 (44.8)	8	191 (7.5)	159 (6.3)	
FA2i-20**1	508 (20.0)	782 (30.8)	714 (28.11)	1,171 (46.1)	1,148 (45.2)	1,240 (48.8)	8	229 (9.0)	197 (7.8)	
FA2i-24**1	610 (24.0)	884 (34.8)	816 (32.11)	1,273 (50.1)	1,250 (49.2)	1,341 (52.8)	8	254 (10.0)	229 (9.0)	

^{**} 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.







Press Roller



Optional drum guards

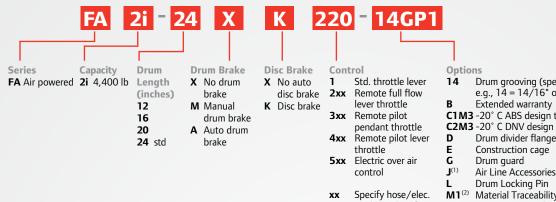
General Performance. Performance based on a 5:1 design factor										
		Line Pull Capacity		Line Speed						
Model	First Layer kg (lb)	Mid Drum kg (lb)	Top Layer kg (lb)	First Layer m/min (fpm)	Mid Drum m/min (fpm)	Top Layer m/min (fpm)				
FA2i-12**1	2,980 (6,600)	2,490 (5,500)	2,000 (4,400)	10 (34)	13 (42)	16 (51)				
FA2i-16**1	2,980 (6,600)	2,490 (5,500)	2,000 (4,400)	10 (34)	13 (42)	16 (51)				
FA2i-20**1	2,980 (6,600)	2,490 (5,500)	2,000 (4,400)	10 (34)	13 (42)	16 (51)				
FA2i-24**1	2,980 (6,600)	2,490 (5,500)	2,000 (4,400)	10 (34)	13 (42)	16 (51)				

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)			
FA2i-12**1	7 (9)	16 (51)	8 (280)	1.5 (54.9)	4,154 (9,139)	87	386 (850)			
FA2i-16**1	7 (9)	16 (51)	8 (280)	1.5 (54.9)	4,154 (9,139)	87	386 (850)			
FA2i-20**1	7 (9)	16 (51)	8 (280)	1.5 (54.9)	4,154 (9,139)	87	386 (850)			
FA2i-24**1	7 (9)	16 (51)	8 (280)	1.5 (54.9)	4,154 (9,139)	87	386 (850)			

Drum capacity											
	Minimum Rope Recommend- Breaking ed Rope Force ⁽¹⁾ Diameter				Drum Capacity per Layer ⁽²⁾ m (ft)						
Model	kN (lbs)	mm (in)	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6	Layer 7	Layer 8	m (ft)
FA2i-12**1	98 (22,000)	13 (1/2)	20 (67)	42 (141)	65 (220)	91 (305)	118 (395)	147 (492)	177 (594)	210 (702)	210 (702)
FA2i-16**1	98 (22,000)	13 (1/2)	27 (91)	56 (190)	88 (297)	122 (411)	159 (533)	198 (663)	239 (800)	283 (946)	283 (946)
FA2i-20**1	98 (22,000)	13 (1/2)	34 (114)	71 (239)	111 (373)	154 (517)	200 (671)	249 (834)	301 (1,007)	356 (1,190)	356 (1,190)
FA2i-24**1	98 (22,000)	13 (1/2)	41 (138)	86 (288)	134 (450)	186 (623)	241 (808)	300 (1,005)	363 (1,214)	429 (1,434)	429 (1,434)

⁽¹⁾ 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



NOTE:

(1) 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.

- (2) 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
- Construction cage
- Drum Locking Pin
- Material Traceability per DIN 50049/EN10204 Para 2.2 "Typicals"
- Material Traceability per DIN 50049/EN10204
- Para 3.1b actuals per product as purchased M3⁽²⁾ Material Traceability per DIN 50049/EN10204 Para 3.1b actuals per product as delivered in final condition
- N4 Manufactured under ABS survey
- N5 Manufactured under DNV survey
- Marine 812 finish paint
- Marine 812-X paint system Р1
- Р2 Marine 812-X paint system - isocyanate free
- Q S Adjustable Accu-Spool™
- Rotary limit switch (upper and lower)
- U Underwound wire rope takeoff
- Press Roller
- W1 ABS witness test
- W2 DNV witness test
- W3 LRS witness test
- Client witness of load test
- Overload protector with E-Stop provided on lever throttle
- **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

cord length in ft

- · Global Account Management and dedicated project management teams
- Onsite services available including presale evaluation, installation and maintenance





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