

Glydea™ Databook



Glydea™ Motor Range

This document presents the technical information and related accessories for Somfy's Glydea™ motor range designed specifically for draperies. It provides detailed information to facilitate the specification of this motor solution and presents information regarding options for specialty applications including bent and curved tracks.

Innovative

The Glydea™ motor range is a product of years of industry experience and expertise. This reliable motor solution offers a superior user experience as well as a wide array of features and exemplifies Somfy's continued commitment to quality.

Competitive

Designed for residential, commercial and hospitality markets, the Glydea™ range provides a convenient solution for glare reduction and privacy while also reducing energy costs and protecting interiors from damaging UV rays.

Adaptable

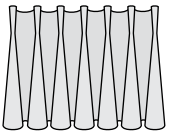
Glydea™ is available for all drapery types including pinch pleat, RippleFold® and Accordia®. Additionally, it has been designed to easily adapt to various control technologies including infrared, dry contact, Radio Technology Somfy® (RTS), RS485, Z-Wave® and ZigBee®.

Z-Wave® is a registered trademark of Zensys, Inc. and its subsidiaries. ZigBee® is a registered trademark of ZigBee® Alliance. RippleFold® and Accordia® are registered trademarks of Kirsch.

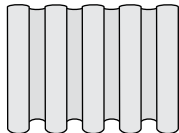


Somfy's Glydea™ motors are compatible with the three types of draperies below.

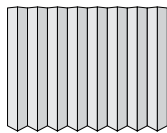
Pinch Pleat



RippleFold®



Accordia®



Plug-in modules offer simple compatibility with various technologies:



As with all Somfy products, Glydea™ motors are backed by a 5 year warranty.



Davie Hubles Photography, Elkhart, Ind.



Glydea™, the difference is in the details

The sophistication of Glydea™ is reflected in the simple form and sleek lines of the motor and the track.



Available Adaptable Control Modules



RTS Control Module



RS485 Control Module

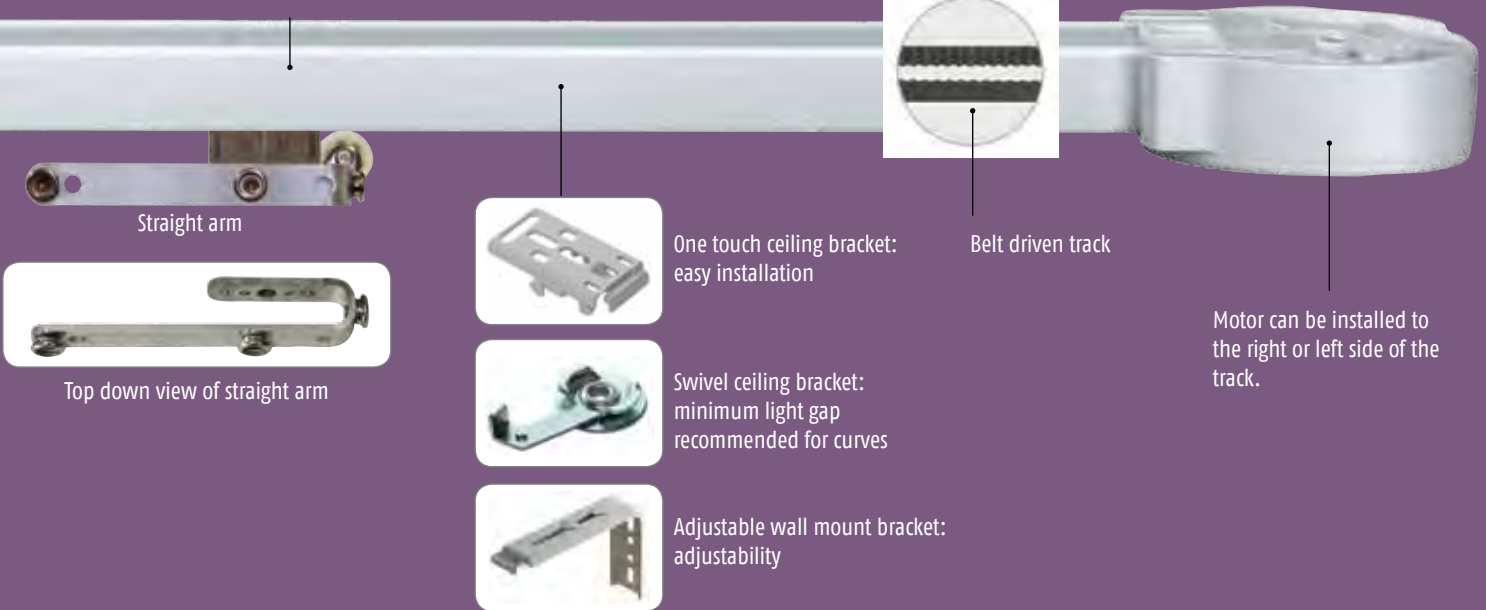


ZigBee® Control Module



Z-Wave® Control Module

Track bending and curving options available



Straight arm

Top down view of straight arm

One touch ceiling bracket:
easy installation

Swivel ceiling bracket:
minimum light gap
recommended for curves

Adjustable wall mount bracket:
adjustability

Belt driven track

Motor can be installed to
the right or left side of the
track.

Aesthetic

- Patented control module cover design conceals unsightly cables and protects the connectors and control modules inside the motor.
- Automatic or adjustable limit setting.
- Track design and swivel ceiling bracket minimize the light gap.
- Soft start and soft stop.
- Back release function and rail design promote optimal stacking of drapery fabric (available with Glydea™ 35).
- Improved arm design provides even overlap and even stack back.

Easy Installation

- Spring loaded one-touch hardware (wall and ceiling mount).
- Motor can also be installed to the right or to the left side of the track.
- Inverse (top mount) option allows the motor to be installed above the track.

Flexibility

- Patented flexible master carrier reduces friction and is adaptable to various drapery types.
- Various control modules allow Glydea™ to easily adapt to third party control protocols.
- Curves and bends available.
- Exclusive cable cover allows you to reverse cable direction for easier access to power.

Efficient

- **Touch Motion** feature allows the user to activate the motorized drapery simply by pulling on the fabric. Two sensitivity settings available (Glydea™ 60e only).
- **Manual Override** disengages the motor when drapery is adjusted manually. This is ideal for power outages and also protects the fabric from damage.
- **My Function** allows user to set a preferred drapery openness position for easy access (Glydea™ 60e only).
- **Adjustable speed:** 4.9"/s to 7.86"/s (Glydea™ 60e only).

Quiet

- Motor design and the use of a timing belt provides quiet operation (<44dBA).

Glydea™, Somfy quality

5 years international warranty.
International certifications.



Technical Specifications Glydea™ 35

Motor part numbers

Glydea™ 35 DCT motor
(with 10' cable and molded NEMA plug)

Glydea™ 35 RTS motor
(with 10' cable and molded NEMA plug)

Glydea™ 35 RS485 motor
(with 10' cable and molded NEMA plug)

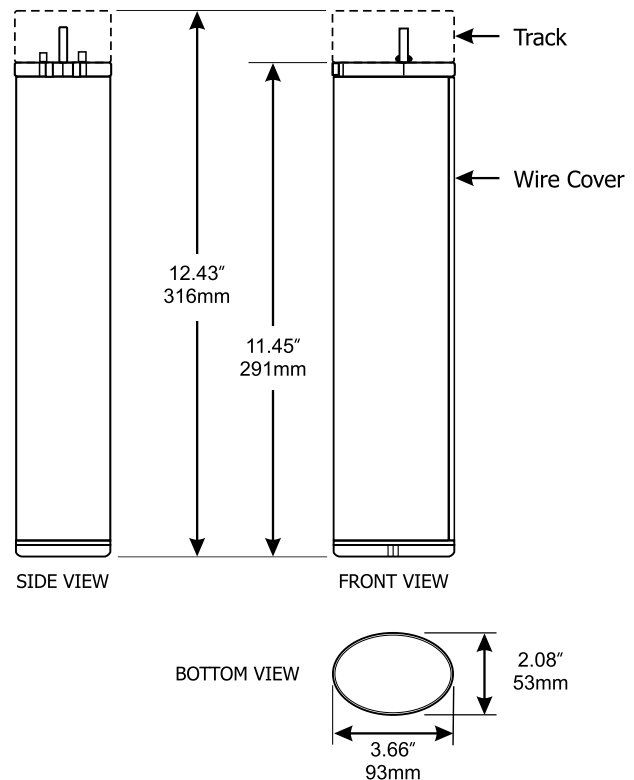
Features overview

	Glydea™ 35
Motor unit main features	
Soft start	✓
Manual operation	✓
Automatic limits on end stop	✓
Back Release	✓
Soft stop	
Intermediate position	
Touch motion with 2 sensitivity settings	
Adjustable limits	
Speed control & adjustment	
Control options	
3 normally open dry contacts	✓
2 normally open dry contacts	✓
2 normally open dry contact sequencing mode	✓
Dry contact individual and group & master control	✓
Radio Technology Somfy® RTS	✓
Infrared	✓
RS485 digital technology	✓
Z-Wave®	✓
ZigBee®	✓
Sun control	✓
Timer control	✓
Installation and setting features	
Setting with buttons on motor unit	✓
Setting with external 3 normally open dry contact switch	✓
LED indicators	✓
Motor unit direction change	✓
Factory reset	✓
Inverse (top mount) mounting	✓
Tracks / Draperies types	
Side opening	✓
Center opening	✓
Asymmetric	✓
Multiple	✓
Pinch pleat	✓
RippleFold® with overlap arm	✓
RippleFold® with butt arm	✓
Accordia®	✓

Motorized track main characteristics

	Glydea™ 35
Power supply	110V AC 50/60 HZ
Amperage	0.5 A
Average linear speed	7.86"/s
Power consumption	60 W
Power cable type	3-wire cable with molded NEMA plug
Control connector type	RJ12
DCT control circuit voltage	3.3 VDC
Motorized track noise level	< 50 dB(A)
Certifications	c TUV us, CE
Track maximum length	30 ft (9 m)
Maximum number of splices	2
Minimum bending radius	11.8 in. (30 cm)
Minimum curving radius	118 in. (300 cm)
Side opening max weight	77 lbs. 35 kg.
Center opening max weight	77 lbs. 35 kg.

Motor dimensions



Motor part numbers

Glydea™ 60e DCT motor
(with 10' cable and molded NEMA plug)

Glydea™ 60e RTS motor
(with 10' cable and molded NEMA plug)

Glydea™ 60e RS485 motor
(with 10' cable and molded NEMA plug)

Glydea™ 60e Wired motor
(with 5', 4 wire pigtail)

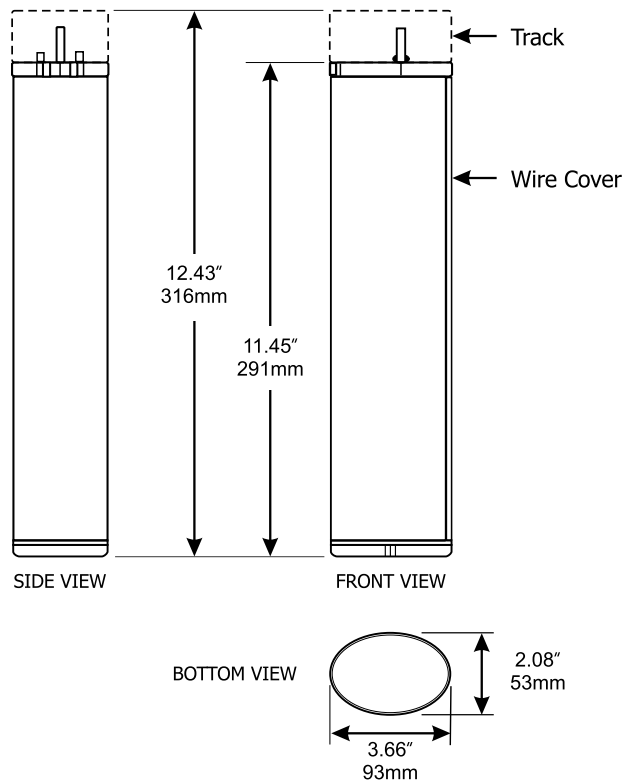
Features overview

	Glydea™ 60e
Motor unit main features	
Soft start	✓
Manual operation	✓
Automatic limits on end stop	✓
Back Release	
Soft stop	✓
Intermediate position	✓
Touch motion with 2 sensitivity settings	✓
Adjustable limits	✓
Speed control & adjustment	✓
Control options	
3 normally open dry contacts	✓
2 normally open dry contacts	✓
2 normally open dry contact sequencing mode	✓
Dry contact individual and group & master control	✓
Radio Technology Somfy® RTS	✓
Infrared	✓
RS485 digital technology	✓
Z-Wave®	✓
ZigBee®	✓
Tandem	Contact Brimar
Sun control	✓
Timer control	✓
Installation and setting features	
Setting with buttons on motor unit	✓
Setting with external 3 normally open dry contact switch	✓
LED indicators	✓
Motor unit direction change	✓
Factory reset	✓
Inverse (top mount) mounting	✓
Tracks / Draperies types	
Side opening	✓
Center opening	✓
Asymmetric	✓
Multiple	✓
Pinch pleat	✓
RippleFold® with overlap arm	✓
RippleFold® with butt arm	✓
Accordia®	✓

Motorized track main characteristics

	Glydea™ 60e
Power supply	110V AC 50/60 HZ
Amperage	1A
Average linear speed	4.9"/s to 7.86"/s
Power consumption	120 W
Power cable type	3-wire cable with molded NEMA plug 4-wire cable (wired version only)
Control connector type	RJ12
DCT control circuit voltage	3.3 VDC
Motorized track noise level	<44 dB(A)
Certifications	c TUV us, CE
Track maximum length	36 ft (10.9 m)
Maximum number of splices	2
Minimum bending radius	11.8 in. (30 cm)
Minimum curving radius	118 in. (300 cm)
Side opening max weight	132 lbs. 59 kg.
Center opening max weight	132 lbs. 59 kg.
Tandem max weight	Contact Brimar

Motor dimensions




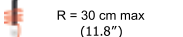
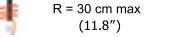
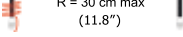
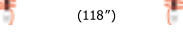
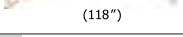
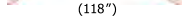


Technical Specifications

COMPARISON CHART

	Motor Type	
	Glydea™ 35	Glydea™ 60e
Motor unit main features		
Soft start	✓	✓
Manual operation	✓	✓
Automatic limits on end stop	✓	✓
Back Release	✓	
Soft stop		✓
Intermediate position		✓
Touch motion with 2 sensitivity settings		✓
Adjustable limits		✓
Speed control & adjustment		✓
Control options		
3 normally open dry contacts	✓	✓
2 normally open dry contacts	✓	✓
2 normally open dry contact sequencing mode	✓	✓
Dry contact individual and group & master control	✓	✓
Radio Technology Somfy® RTS	✓	✓
Infrared	✓	✓
RS485 digital technology	✓	✓
Z-Wave®	✓	✓
ZigBee®	✓	✓
Tandem	NA	Contact Brimar
Sun control	✓	✓
Timer control	✓	✓
Installation and setting features		
Setting with buttons on motor unit	✓	✓
Setting with external 3 normally open dry contact switch	✓	✓
LED indicators	✓	✓
Motor unit direction change	✓	✓
Factory reset	✓	✓
Inverse (top mount) mounting	✓	✓
Tracks / Draperies types		
Side opening	✓	✓
Center opening	✓	✓
Asymmetric	✓	✓
Multiple	✓	✓
Pinch pleat	✓	✓
RippleFold® with overlap arm	✓	✓
RippleFold® with butt arm	✓	✓
Accordia®	✓	✓

SELECTION CHART

Track Type	Motor Type					
	Glydea™ 35			Glydea™ 60e		
	Up to 10 Ft.	Up to 20 Ft.	Up to 32 Ft.	Up to 10 Ft.	Up to 32 Ft.	Up to 36 Ft.
A One Way 	77 Lbs.	77 Lbs.	77 Lbs.	132 Lbs.	132 Lbs.	132 Lbs.
B Center Opening 	77 Lbs.	77 Lbs.	77 Lbs.	132 Lbs.	132 Lbs.	132 Lbs.
C Asymetrical 	77 Lbs.	77 Lbs.	77 Lbs.	132 Lbs.	132 Lbs.	132 Lbs.
D One Way w/Bend  R = 30 cm max (11.8")	77 Lbs.	55 Lbs.	44 Lbs.	100 Lbs.	100 Lbs.	77 Lbs.
E Center Opening w/Bend  R = 30 cm max (11.8")	77 Lbs.	55 Lbs.	44 Lbs.	100 Lbs.	100 Lbs.	77 Lbs.
F One Way w/2 Bends  R = 30 cm max (11.8")	33 Lbs.	22 Lbs.	-	77 Lbs.	55 Lbs.	-
G Center Opening w/2 Bends  R = 300 cm (118")	33 Lbs.	22 Lbs.	-	77 Lbs.	55 Lbs.	-
H One Way w/Continuous Curve  R = 300 cm (118")	77 Lbs.	33 Lbs.	-	77 Lbs.	55 Lbs.	-
I Center Opening w/Continuous Curve  R = 300 cm (118")	66 Lbs.	22 Lbs.	-	66 Lbs.	44 Lbs.	-

***STACKING CHART - FOR REFERENCE ONLY**

TRACK SIZES	PINCH PLEAT - inches carrier count - ()			RIPPLEFOLD® - inches carrier count - ()								
	ONE WAY	CENTER OPENING		ONE WAY 80%	ONE WAY 100%	ONE WAY 120%	CENTER OPENING 80%		CENTER OPENING 100%		CENTER OPENING 120%	
	Overlap Arm	Overlap Arm	Straight Arm	Overlap Arm	Overlap Arm	Overlap Arm	Overlap Arm	Straight Arm	Overlap Arm	Straight Arm	Overlap Arm	Straight Arm
Up to 4 ft.	17.25 (12)	11.5 (6)	11.5 (6)	21.25 (20)	23.25 (24)	25.25 (28)	13.5 (10)	13.5 (10)	14.5 (12)	14.5 (12)	15.75 (14)	15.75 (14)
5 ft.	18.75 (15)	12.5 (8)	12.5 (8)	23.75 (25)	26.25 (30)	28.75 (35)	15 (13)	15 (13)	16 (15)	16 (15)	17.75 (18)	17.75 (18)
6 ft.	20.25 (18)	13 (9)	13 (9)	26.25 (30)	29.25 (36)	32.25 (42)	16 (15)	16 (15)	17.5 (18)	17.5 (18)	19.25 (21)	19.25 (21)
7 ft.	21.75 (21)	14 (11)	14 (11)	28.75 (35)	32.25 (42)	35.75 (49)	17.5 (18)	17.5 (18)	19 (21)	19 (21)	21.25 (25)	21.25 (25)
8 ft.	23.25 (24)	14.5 (12)	14.5 (12)	31.25 (40)	35.25 (48)	39.25 (56)	18.5 (20)	18.5 (20)	20.5 (24)	20.5 (24)	22.75 (28)	22.75 (28)
9 ft.	24.75 (27)	15.5 (14)	15.5 (14)	33.75 (45)	38.25 (54)	42.75 (63)	20 (23)	20 (23)	22 (26)	22 (26)	24.75 (32)	24.75 (32)
10 ft.	26.25 (30)	16 (15)	16 (15)	36.25 (50)	41.25 (60)	46.25 (70)	21 (25)	21 (25)	23.5 (30)	23.5 (30)	26 (35)	26 (35)
11 ft.	27.75 (33)	17 (17)	17 (17)	38.75 (55)	44.25 (66)	49.75 (77)	22.5 (28)	22.5 (28)	25 (33)	25 (33)	28 (39)	28 (39)
12 ft.	29.25 (36)	17.5 (18)	17.5 (18)	41.25 (60)	47.25 (72)	53.25 (84)	23.5 (30)	23.5 (30)	26.5 (36)	26.5 (36)	29.5 (42)	29.5 (42)
13 ft.	30.75 (39)	18.5 (20)	18.5 (20)	43.75 (65)	50.25 (78)	56.75 (91)	25 (33)	25 (33)	28 (39)	28 (39)	31.5 (46)	31.5 (46)
14 ft.	32.25 (42)	19 (21)	19 (21)	46.25 (70)	53.25 (84)	60.25 (98)	26 (35)	26 (35)	29.5 (42)	29.5 (42)	33 (49)	33 (49)
15 ft.	33.75 (45)	20 (23)	20 (23)	48.75 (75)	56.25 (90)	63.75 (105)	27.5 (38)	27.5 (38)	31 (45)	31 (45)	35 (53)	35 (53)
16 ft.	35.25 (48)	20.5 (24)	20.5 (24)	51.25 (80)	59.25 (96)	67.25 (112)	28.5 (40)	28.5 (40)	32.5 (48)	32.5 (48)	36.5 (56)	36.5 (56)
17 ft.	36.75 (51)	21.5 (26)	21.5 (26)	53.75 (85)	62.25 (102)	70.75 (119)	30 (43)	30 (43)	34 (51)	34 (51)	38.5 (60)	38.5 (60)
18 ft.	38.25 (54)	22 (27)	22 (27)	56.25 (90)	65.25 (108)	74.25 (126)	31 (45)	31 (45)	35.5 (54)	35.5 (54)	40 (63)	40 (63)
19 ft.	39.75 (57)	23 (29)	23 (29)	58.75 (95)	68.25 (114)	77.75 (133)	32.5 (48)	32.5 (48)	37 (57)	37 (57)	42 (67)	42 (67)
20 ft.	41.25 (60)	23.5 (30)	23.5 (30)	61.25 (100)	71.25 (120)	81.25 (140)	33.5 (50)	33.5 (50)	38.5 (60)	38.5 (60)	43.5 (70)	43.5 (70)
21 ft.	42.75 (63)	24.5 (32)	24.5 (32)	63.75 (105)	74.25 (126)	84.75 (147)	35 (53)	35 (53)	40 (63)	40 (63)	45.5 (74)	45.5 (74)
22 ft.	44.25 (66)	25 (33)	25 (33)	66.25 (110)	77.25 (132)	88.25 (154)	36 (55)	36 (55)	41.5 (66)	41.5 (66)	47 (77)	47 (77)
23 ft.	45.75 (69)	26 (35)	26 (35)	68.75 (115)	80.25 (138)	91.75 (161)	37.5 (58)	37.5 (58)	43 (69)	43 (69)	49 (81)	49 (81)
24 ft.	47.25 (72)	26.5 (36)	26.5 (36)	71.25 (120)	83.25 (144)	95.25 (168)	38.5 (60)	38.5 (60)	44.5 (72)	44.5 (72)	50.5 (84)	50.5 (84)
25 ft.	48.75 (75)	27.5 (38)	27.5 (38)	73.75 (125)	86.25 (150)	98.75 (175)	40 (63)	40 (63)	4 (75)	4 (75)	52.5 (88)	52.5 (88)
26 ft.	50.25 (78)	28 (39)	28 (39)	76.25 (130)	89.25 (156)	102.25 (182)	41 (65)	41 (65)	47.5 (78)	47.5 (78)	54 (91)	54 (91)
27 ft.	51.75 (81)	29 (41)	29 (41)	78.75 (135)	92.25 (162)	105.75 (189)	42.5 (68)	42.5 (68)	49 (81)	49 (81)	56 (95)	56 (95)
28 ft.	53.25 (84)	29.5 (42)	29.5 (42)	81.25 (140)	95.25 (168)	109.25 (196)	43.5 (70)	43.5 (70)	50.5 (84)	50.5 (84)	57.5 (98)	57.5 (98)
29 ft.	54.75 (87)	30.5 (44)	30.5 (44)	83.75 (145)	98.25 (174)	112.75 (203)	45 (73)	45 (73)	52 (87)	52 (87)	59.5 (102)	59.5 (102)
30 ft.	56.25 (90)	31 (45)	31 (45)	86.25 (150)	101.25 (180)	116.25 (210)	46 (75)	46 (75)	53.5 (90)	53.5 (90)	61 (105)	61 (105)
31 ft.	57.75 (93)	32 (47)	32 (47)	88.75 (155)	104.25 (186)	119.75 (217)	47.5 (78)	47.5 (78)	55 (93)	55 (93)	63 (108)	63 (108)
32 ft.	59.25 (96)	32.5 (48)	32.5 (48)	91.25 (160)	107.25 (192)	123.25 (224)	48.5 (80)	48.5 (80)	56.5 (96)	56.5 (96)	64.5 (112)	64.5 (112)
33 ft.	60.75 (99)	33.5 (50)	33.5 (50)	93.75 (165)	110.25 (198)	126.75 (231)	50 (83)	50 (83)	58 (99)	58 (99)	66.5 (116)	66.5 (116)
34 ft.	62.25 (102)	34 (51)	34 (51)	96.25 (170)	113.25 (204)	130.25 (238)	51 (85)	51 (85)	59.5 (102)	59.5 (102)	68 (118)	68 (118)
35 ft.	63.75 (105)	35 (53)	35 (53)	98.75 (175)	116.25 (210)	133.75 (245)	52.5 (86)	52.5 (86)	61 (105)	61 (105)	70 (123)	70 (123)
36 ft.	65.25 (108)	35.5 (54)	35.5 (54)	101.25 (180)	119.25 (216)	137.25 (252)	53.5 (90)	53.5 (90)	62.5 (108)	62.5 (108)	71.5 (126)	71.5 (126)

* Measurements do not consider drapery fabric and are calculated from end of pulley to front of master arm (shown here).

