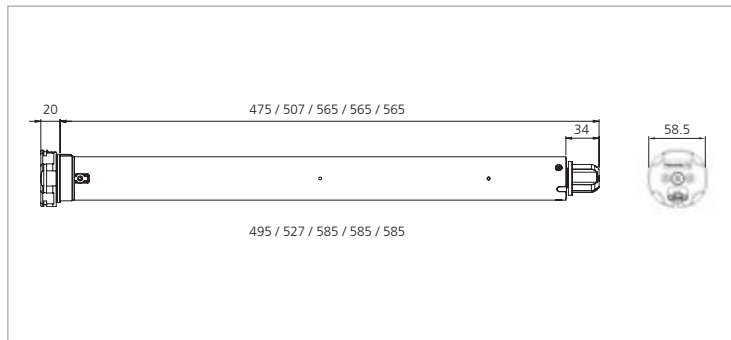


# Comfort 450 E

Electronic tubular motor / 50 mm



## Comfort 450 E

Article	Article no.	Price each
Electronic tubular motor Comfort 450 E		
08 E	87 975	
15 E	87 976	
25 E	87 977	
35 E	87 978	
45 E	87 979	
for shaft diameter from 50 mm onwards		

Function
<ul style="list-style-type: none"> <li>· Electronic limit switch</li> <li>· Overload cut-out in "Open" direction</li> <li>· Clip mounting</li> <li>· Thermal overload protection</li> <li>· Noise-reduced running</li> <li>· Pluggable connecting cable</li> <li>· Intermediate position</li> </ul>

Package
<ul style="list-style-type: none"> <li>· Electronic tubular motor Comfort 450 E</li> </ul>

Application
<ul style="list-style-type: none"> <li>· Operator systems for roller shutters and awnings with shaft diameter from 50 mm onwards</li> <li>· Operator systems for awnings (except Comfort 450 E 08)</li> </ul>

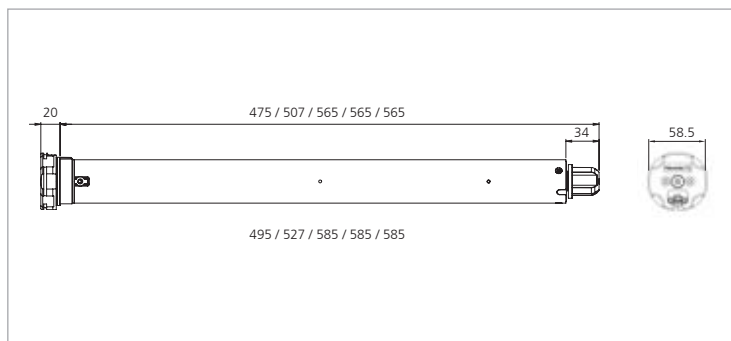
Electrical details	8 Nm	15 Nm	25 Nm	35 Nm	45 Nm	
Nominal voltage	230	230	230	230	230	V
Nominal frequency	50	50	50	50	50	Hz
Power consumption	0.55	0.7	0.8	1	1	A
Power input in operation	0.130	0.160	0.180	0.230	0.230	KW
Nominal torque	8	15	25	35	45	Nm
Nominal rotational speed	15	15	15	15	12	RPM

Mechanical details	8 Nm	15 Nm	25 Nm	35 Nm	45 Nm	
Pull force	15	28	56	65	90	kg

General details	8 Nm	15 Nm	25 Nm	35 Nm	45 Nm	
Weight (total)	1.8	2	2.4	2.5	2.5	kg
Measurements incl. carrier link (L)	495	527	585	585	585	mm
Use for roller shutters	x	x	x	x	x	
Use for awnings		x	x	x	x	

# Comfort 450 ER

Electronic tubular motor with integrated receiver / 50 mm



## Comfort 450 ER

Article	Article no.	Price each
Electronic tubular motor Comfort 450 ER with integrated receiver, 868 MHz, Easywave		
08 ER	87 970	
15 ER	87 971	
25 ER	87 972	
35 ER	87 973	
45 ER	87 974	
for shaft diameter from 50 mm onwards		

Function
· Electronic limit switch
· Integrated remote
· Overload cut-out in "Open" direction
· Clip mounting
· Thermal overload protection
· Noise-reduced running
· Pluggable connecting cable
· Intermediate position
· End positions can be set via remote

Package
· Electronic tubular motor Comfort 450 ER with integrated receiver, 868 MHz Easywave

Application
· Operator systems for roller shutters and awnings with shaft diameter from 50 mm onwards
· Operator systems for awnings (except Comfort 450 08 ER)

Electrical details	8 Nm	15 Nm	25 Nm	35 Nm	45 Nm	
Nominal voltage	230	230	230	230	230	V
Nominal frequency	50	50	50	50	50	Hz
Power consumption	0.55	0.7	0.8	1	1	A
Power input in operation	0.130	0.160	0.180	0.230	0.230	KW
Nominal torque	8	15	25	35	45	Nm
Nominal rotational speed	15	15	15	15	12	RPM

Mechanical details	8 Nm	15 Nm	25 Nm	35 Nm	45 Nm	
Pull force	15	28	56	65	90	kg

General details	8 Nm	15 Nm	25 Nm	35 Nm	45 Nm	
Weight (total)	1.8	2	2.4	2.5	2.5	kg
Measurements incl. carrier link (L)	495	527	585	585	585	mm
Use for roller shutters	x	x	x	x	x	
Use for awnings		x	x	x	x	