

TECHNICAL SPECIFICATION AMZ AWNING BLINDS



V. MATERIAL

Profiles – extruded aluminium EN-AW 6063-T6
Lacquer – modified polyester
Fabrics – fibreglass coated with PVC

VI. SIZE LIMITS

Awning blind maximum length	Width [cm]						
	46	48	55	66	78	94	114 134
AMZ, AMZ New Line	140	140	140	140	206*	206*	160 160
AMZ Z-Wave, AMZ Solar, AMZ Electro 230, AMZ Wifi, AMZ-E, AMZ Electro 24	-	-	206	206	206	206	206

*without 089

I. CONTROL & POWER SUPPLY

Awning blind **AMZ, AMZ New Line** operated by means of the control rod.
 Awning blind **AMZ Z-Wave** controlled via wall switch or remote control.
 Awning blind **AMZ Z-Wave Solar** controlled via remote control.
 Awning blind **AMZ Electro** controlled via wall switch or remote control (infrared).
 Awning blind **AMZ Electro 24** adapted to control directly from another control system, e.g. EIB/KNX.
 Awning blind **AMZ Electro 230** controlled via wall switch and powered from the mains (230 VAC).
 Awning blind **AMZ WiFi BleBox / WiFi Tuya** controlled via app.

II. APPLICATION



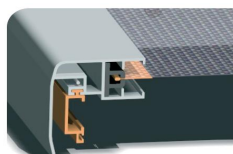
AMZ awning blinds are compatible with windows:
 FT-, PT-, FP-V PreSelect, PPP-V PreSelect,
 FYP-V, FGH-V, FDY-V – only manual awning blinds are compatible as standard, electric awning blinds are available to special order,
 AMZ New Line is compatible with windows produced after 2007.

III. CHARACTERISTICS

Excellent protection against excessive heat gain in the room, while ensuring the ease of work and rest – even distribution of light in the room.
 Can be stopped in any position (electric versions).
 Three ways to control the awning blind: manual, semi-automatic and automatic in which the awning blind opens and closes by itself depending on the level of insolation.
 High wind load resistance (class 3 as per EN 13561).
 Resistant to weather conditions.

IV. DESIGN ELEMENTS OF AMZ AWNING BLIND

The AMZ awning blinds are made of extruded aluminium profiles to ensure rigid and robust structure. The fabric made of fibreglass material coated with PVC featuring different types of the open area is resistant to weather conditions and provides protection against heat.
 The fabric of electric awning blinds is welded with a lock which moves in guides. This combination ensures high wind load resistance and impeccable aesthetics.
 Electric awning blinds are powered by the electric motor. The fabric in manual awning blind is rolled up on a spring-loaded shaft.



VII. TECHNICAL SPECIFICATION OF MOTORS

Awning blind version	Voltage [V]	Moment of force [Nm]	Revolutions per minute [rpm]	Power [W]	Current rating [A]
Z-Wave	15	4,5	13	20	1,2
Z-Wave Solar					
WiFi	15	3	23	17	1,4
Electro 230	230	6	28	125	0,6
Electro, Electro 24	24	3	20	25	0,6

VIII. SPECIFICATION OF WINDOW WITH U3 GLAZING UNIT AND AWNING BLIND

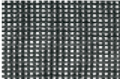
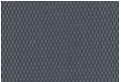
Window with glazing unit U3 ($\tau = 76\%$, $g = 53\%$)	Fabric	τ_t [%]	g_t [%]	F_c [%]
	089	8,45	15,71	29,65
	090	9,80	13,80	25,90
	092	2,60	8,70	16,50

τ_t	- transmission
g_t	- coefficient of the total solar energy transmittance through glazing along with a sun screening device ("Solar Factor")
F_c	- coefficient describing effectiveness of sun screening device protection against solar radiation energy

IX. COLOURS OF PROFILES

Profiles of AMZ awning blinds are lacquered as standard in RAL 7022. It is also possible to coat the awning blind in any colour from RAL palette.

X. TECHNICAL SPECIFICATION OF FABRIC

Colour of awning blind fabric		Energy efficiency			Visual performance		
		$\rho_{e,B}$	$T_{e,B}$	$\alpha_{e,B}$	$\rho_{v,B}$	$T_{v,B}$	$\alpha_{v,B}$
089		0,050	0,160	0,790	0,060	0,110	0,830
090		0,100	0,130	0,770	0,105	0,127	0,768
092		0,098	0,034	0,868	0,103	0,034	0,863

$\rho_{e,B}$ - solar reflection

$T_{e,B}$ - solar transmission

$\alpha_{e,B}$ - solar absorption

$\rho_{v,B}$ - visual reflection

$T_{v,B}$ - visual transmission

$\alpha_{v,B}$ - visual absorption