

COSMO

Application

For domestic hot water system such as mix water underfloor heating system, air energy hot water circulation system, solar hot water circulation system and family hot, cold water pressurization circulation, etc.

CAST IRON



BRASS



EEI ≤ 0.23

iPWM **ErP**
READY

HIGH FLOW

Main features

- EEI ≤ 0.23
- Permanent magnet plastic injection motor, intelligent frequency control
- Compact size, easy for installation
- Proportional pressure mode
- Constant pressure mode
- Constant speed mode
- AUTO adapt mode
- Night-setback mode
- Actual power display
- Low noise, low temperature

Working condition

- Liquid temperature: 2°C ~ 110°C
- Ambient temperature: 0 ~ +40°C
- Max system pressure: 10bar
- Protection level: IP42
- Rated voltage/frequency: 220V ~ 240V 50/60Hz
- Insulation class: F
- Pumped liquid characteristics: clean liquid, free from solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water
- Installation: the motor shaft must be kept in horizontal direction

Functions for different model

Model	Internal control			External control
	PP	CP	CS	PWM
COSMO 32/25-8-180	I, II, III	I, II, III	I, II, III	AUTO
COSMO 32/25-10-180	I, II, III	I, II, III	I, II, III	
COSMO 32/25-12-180	I, II, III	I, II, III	I, II, III	



Max. Flow Rate
8 m³/h

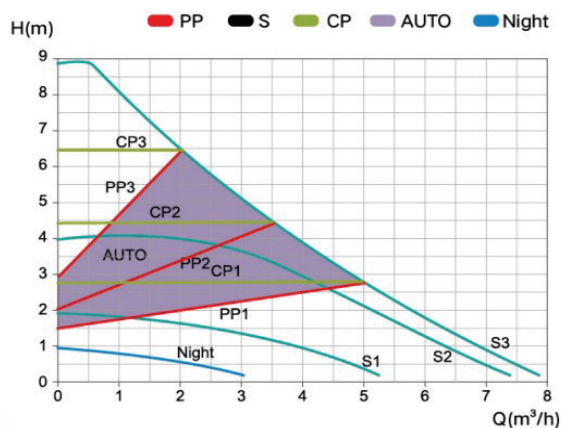
Max. Pump Head
8 m

COSMO 25-8-180

Nameplate

DUCA® COSMO-C 25-8-180				
Serial No.		 SCAN ME		
Class F	220-240V			
TF110	50/60Hz			
IP42	1.0MPa			
	H(m)	P(W)	I(A)	Q (m ³ /h)
MIN	-	7	0.10	-
MAX	8	80	0.72	8
ErP READY		eco DESIGN		MADE IN TÜRKİYE
EEI ≤ 0.23		Turkey		
High Efficiency Circulation Pump		  		

Performance Curve



EEI ≤ 0.23

iPWM

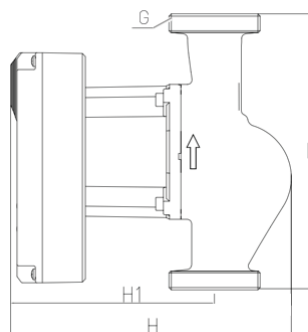
ErP
READY

CE RoHS
Compliant

UK
CA

TSE

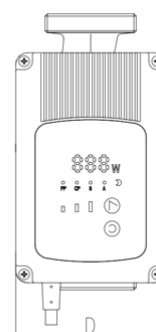
Dimension



H 184 mm

H1 133 mm

L 180 mm



D 97 mm

Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated current (A)	Union (G)
COSMO 25-8-180	2 to +110	180	DN25	80W	230	0.1-0.72	G1" 1/2



Max. Flow Rate
8 m³/h

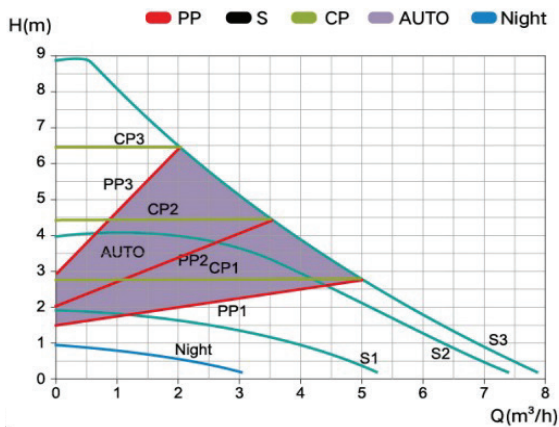
Max. Pump Head
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COSMO 32-8-180

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High Efficiency Circulation Pump		  		

Performance Curve



EEI ≤ 0.23

iPWM

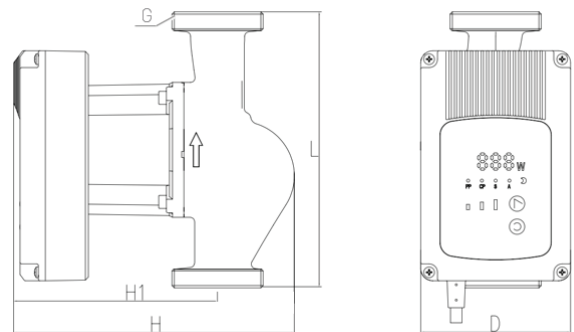
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TSE

Dimension



H 184 mm

H1 133 mm

L 180 mm

D 97 mm

Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated current (A)	Union (G)
COSMO 32-8-180	2 to +110	180	DN32	80W	230	0.1-0.72	2"



Max. Flow Rate

9 m³/h

Max. Pump Head

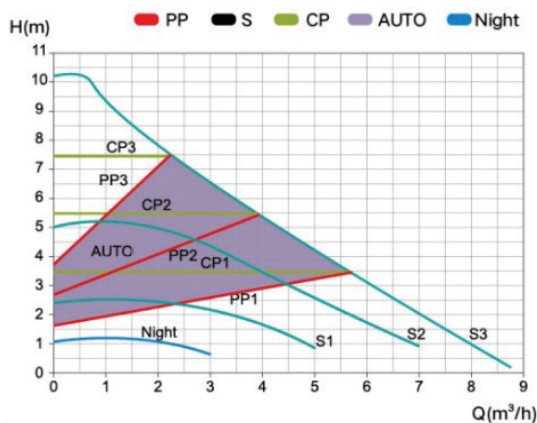
10 m

COSMO 25-10-180

Nameplate

DUCA® COSMO-C 25-10-180				
Serial No.		QR CODE SCAN ME		
Class F	220-240V			
TF110	50/60Hz			
IP42	1.0MPa			
	H(m)	P(W)	I(A)	Q(m ³ /h)
MIN	-	7	0.10	-
MAX	10	120	1.08	9
ErP READY		eco DESIGN		MADE IN TÜRKİYE
EEI ≤ 0.23		Turkey		
High Efficiency Circulation Pump		TSE CE		
2 YEARS WARRANTY				

Performance Curve



EEI ≤ 0.23

iPWM

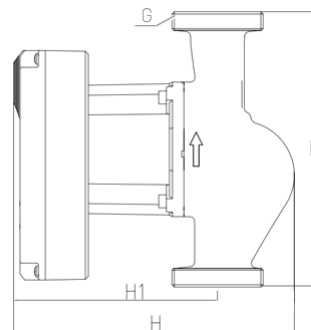
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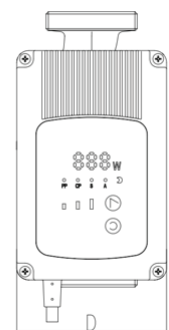
Dimension



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H1 133 mm

L 180 mm



D 97 mm

Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated current (A)	Union (G)
COSMO 25-10-180	2 to +110	180	DN25	120W	230	0.1-1.08	G1" 1/2



Max. Flow Rate

9 m³/h

Max. Pump Head

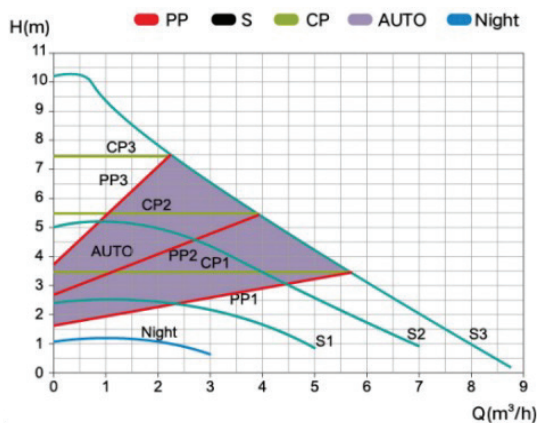
10 m

COSMO 32-10-180

Nameplate

DUCA® COSMO-C 25-10-180				
Serial No.		 SCAN ME		
Class F	220-240V			
TF110	50/60Hz			
IP42	1.0MPa			
	H (m)	P (W)	I (A)	Q (m ³ /h)
MIN	-	7	0.10	-
MAX	10	120	1.08	9
ErP READY		eco DESIGN		MADE IN TÜRKİYE
EEI ≤ 0.23		Turkey		
High Efficiency Circulation Pump		 		
2 YEARS WARRANTY				

Performance Curve



EEI ≤ 0.23

iPWM

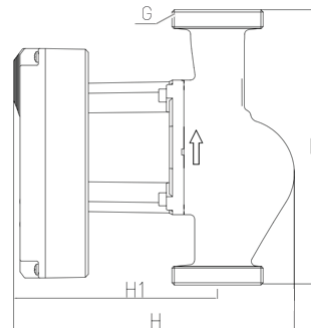
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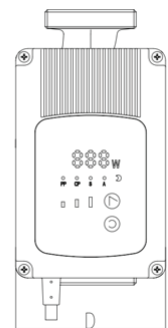
Dimension



H 184 mm

H1 133 mm

L 180 mm



D 97 mm

Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated current (A)	Union (G)
COSMO 32-10-180	2 to +110	180	DN32	120W	230	0.1-1.08	2"



Max. Flow Rate

10 m³/h

Max. Pump Head

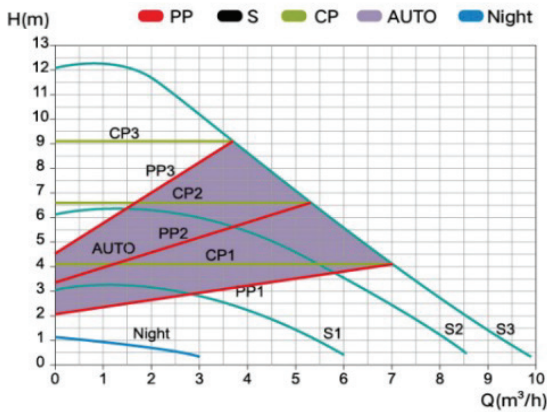
12 m

COSMO 25-12-180

Nameplate

DUCA® COSMO-C 25-12-180				
Serial No.		QR CODE SCAN ME		
Class F	220-240V			
TF110	50/60Hz			
IP42	1.0MPa			
H(m)	P(W)	I(A)	Q (m ³ /h)	
MIN -	7	0.10	-	
MAX 12	180	1.53	10	
ErP READY		ecodesign		MADE IN TÜRKİYE
EEI ≤ 0.23		High Efficiency Circulation Pump		Turkey
2 YEARS WARRANTY		TSE		CE

Performance Curve



EEI ≤ 0.23

iPWM

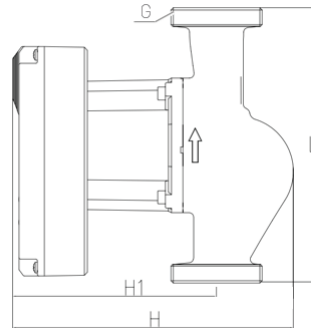
ErP READY

CE RoHS Compliant

UK CA

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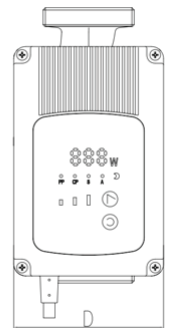
Dimension



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H1 133 mm

L 180 mm



D 97 mm

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Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated current (A)	Union (G)
COSMO 25-12-180	2 to +110	180	DN25	180W	230	0.1-1.53	G1" 1/2



Max. Flow Rate

10 m³/h

Max. Pump Head

12 m

COSMO 32-12-180

Nameplate

DUCA®

COSMO-C 25-12-180

Serial No.

SCAN ME

Class F 220-240V
TF110 50/60Hz
IP42 1.0MPa

	H (m)	P (W)	I (A)	Q (m³/h)
MIN	-	7	0.10	-
MAX	12	180	1.53	10

MADE IN TÜRKİYE

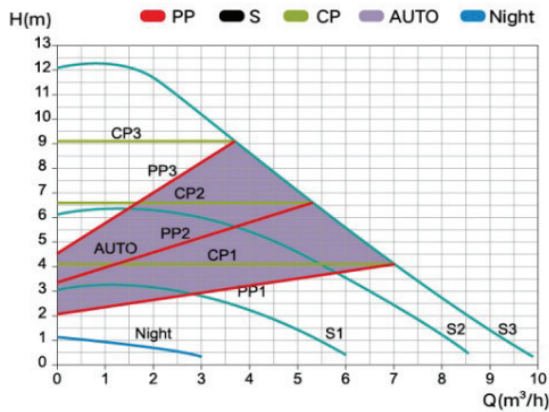
EEI ≤ 0.23

High Efficiency
Circulation Pump

**2 YEARS
WARRANTY**

Turkey

Performance Curve



EEI ≤ 0.23

iPWM

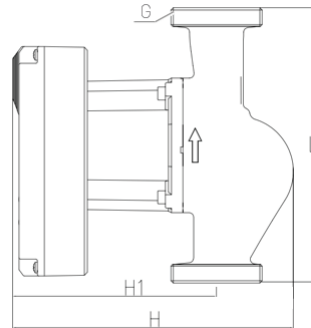
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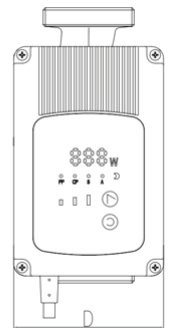
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