

DUCA®

3BE SERIES



TECHNICAL DATA SHEET

3BE SERIES

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.



Main features

- 3-speed or auto-adaptive operation (model dependent)
- Energy-efficient performance with low noise levels
- Leak-proof structure and robust hydraulic design
- Horizontal motor shaft installation
- Suitable for clean, non-corrosive liquids with water-like properties

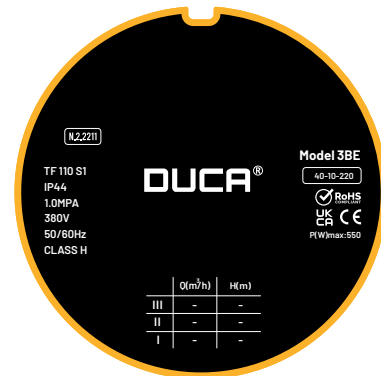
Working condition

- Liquid temperature: 2°C~110°C
- Ambient temperature: 0~+40°C
- Protection level: IP44
- Rated voltage/frequency: 230V/380V
- Insulation class: H
- 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



MODEL 3BE 40-10-220

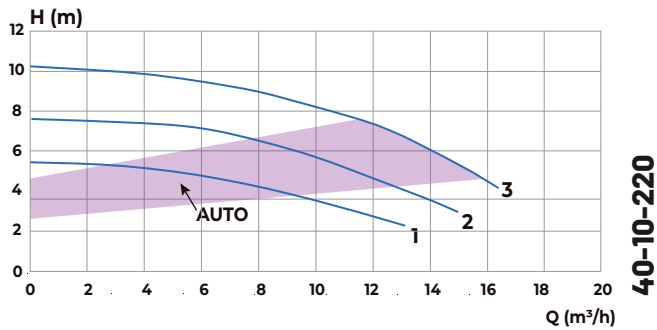
Nameplate



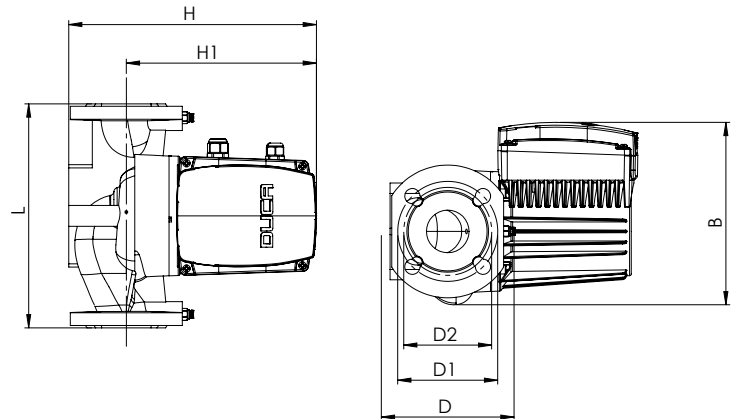
Max. Flow Rate
16.5 m³/h

Max. Head
10m

Performance Curve



Dimensions



H 300 mm
H1 235 mm
L 220 mm
B 217 mm

D 150 mm
D1 110 mm
D2 100 mm

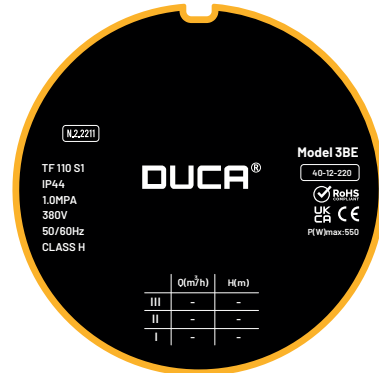
Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated Current (A)	Flange
40-10-220	2 to +110	220	DN40	550	230	1,70-3.10	DN40 to 1½"



MODEL 3BE 40-12-220

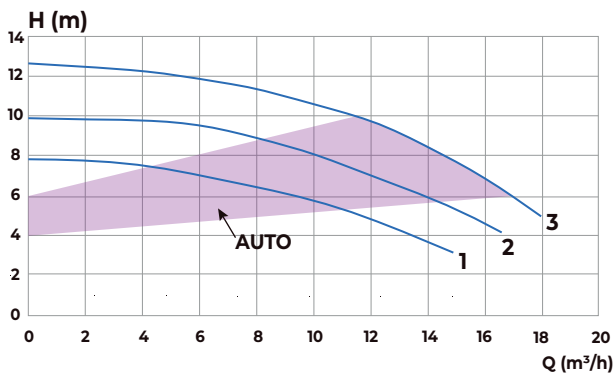
Nameplate



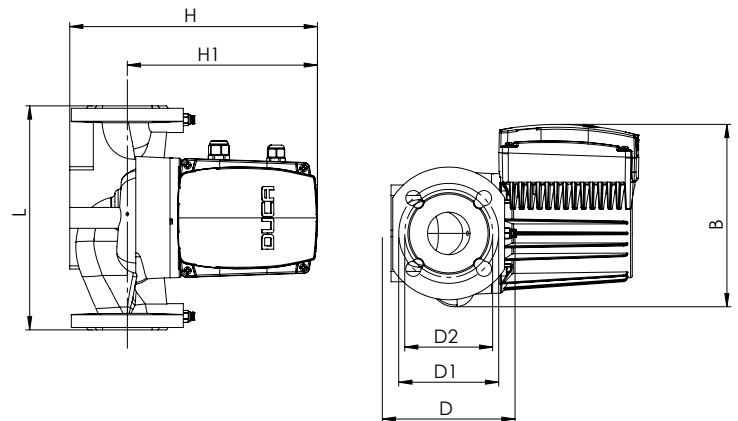
Max. Flow Rate
18 m³/h

Max. Head
12m

Performance Curve



Dimensions



H 300 mm
H1 235 mm
L 220 mm
B 217 mm

D 150 mm
D1 110 mm
D2 100 mm

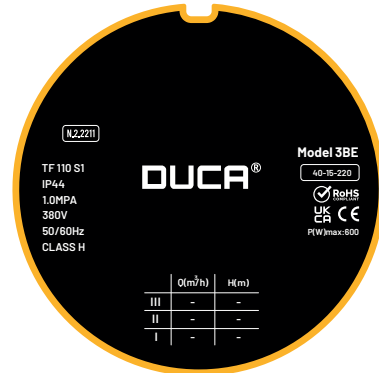
Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated Current (A)	Flange
40-12-220	2 to +110	220	DN40	550	230	1,70-4,10	DN40 to 1½"



MODEL 3BE 40-15-220

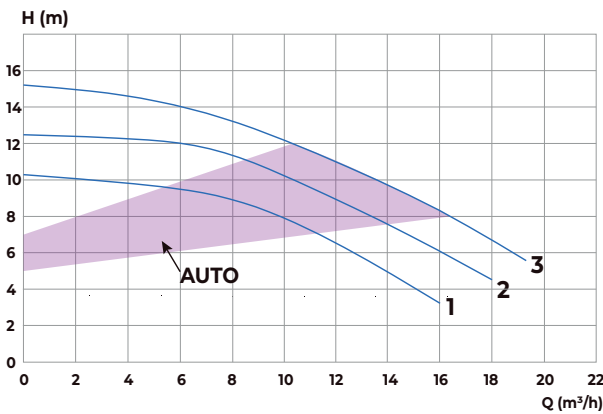
Nameplate



Max. Flow Rate
19,5 m³/h

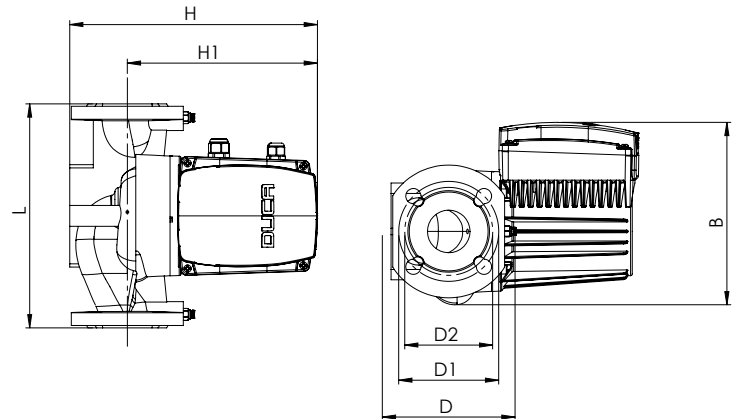
Max. Head
15m

Performance Curve



40-15-220

Dimensions



H 300 mm
H1 235 mm
L 220 mm
B 217 mm

D 150 mm
D1 110 mm
D2 100 mm

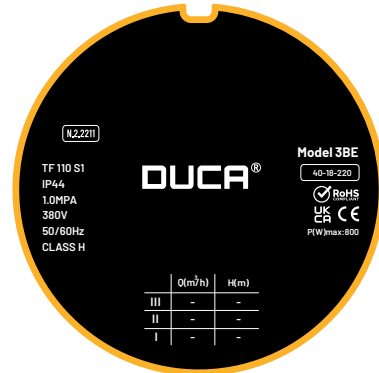
Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated Current (A)	Flange
40-15-220	2 to +110	220	DN40	600	230	3,50-4,80	DN40 to 1½"



MODEL 3BE 40-18-220

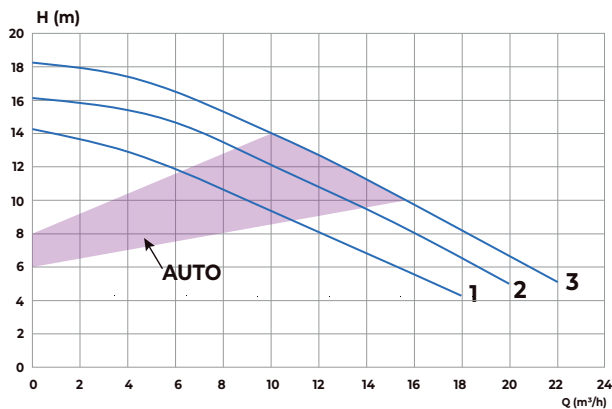
Nameplate



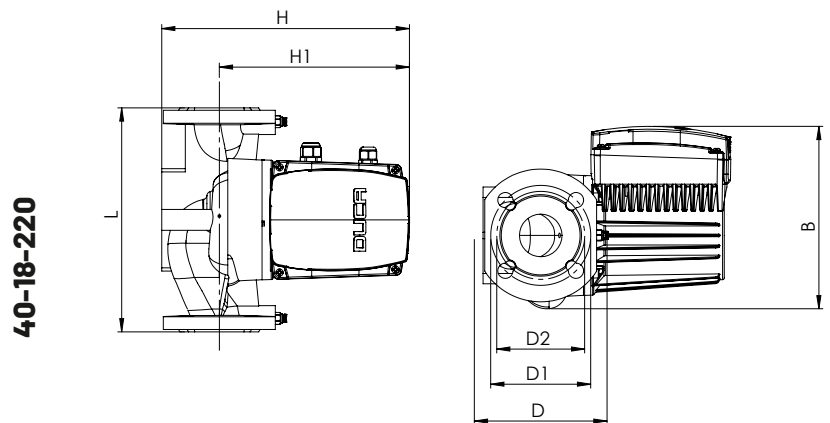
Max. Flow Rate
22 m³/h

Max. Head
18m

Performance Curve



Dimensions



40-18-220

H 300 mm
H1 235 mm
L 220 mm
B 217 mm

D 150 mm
D1 110 mm
D2 100 mm

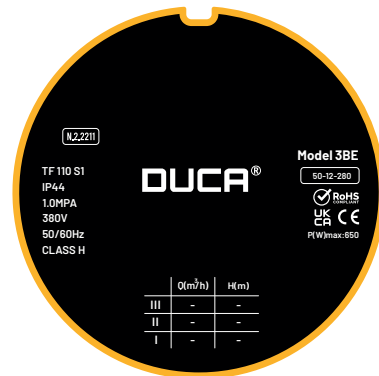
Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated Current (A)	Flange
40-18-220	2 to +110	220	DN40	800	230	3,80-5,80	DN40 to 1½"



MODEL 3BE 50-12-280

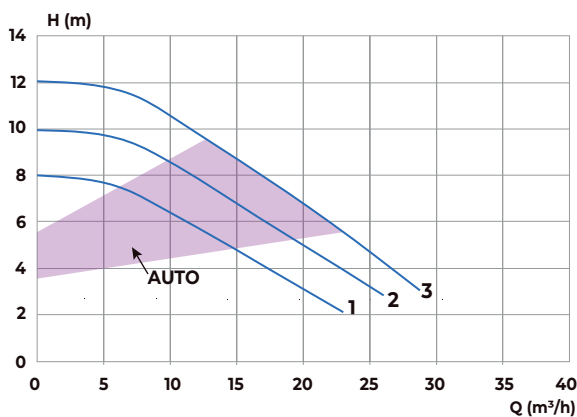
Nameplate



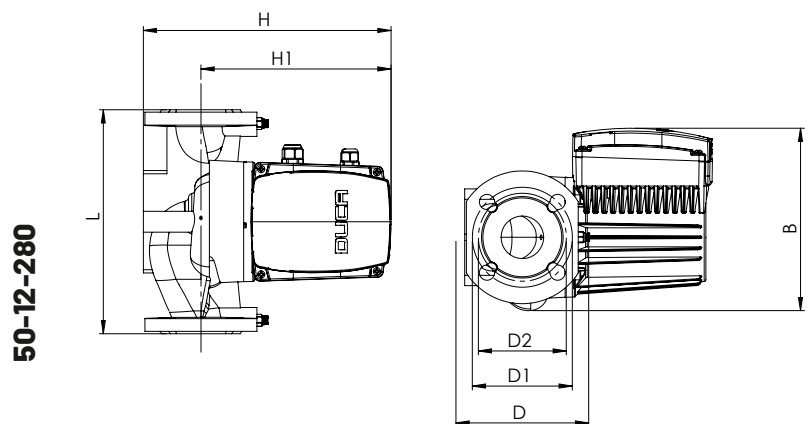
Max. Flow Rate
28 m³/h

Max. Head
12m

Performance Curve



Dimensions



50-12-280

H 309 mm
H1 237 mm
L 280 mm
B 232 mm

D 165 mm
D1 125 mm
D2 110 mm

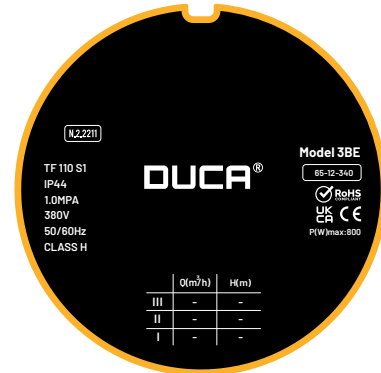
Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated Current (A)	Flange
50-12-280	2 to +110	280	DN50	650	230	2,80-4,80	DN50 to 2"



MODEL 3BE 65-12-340

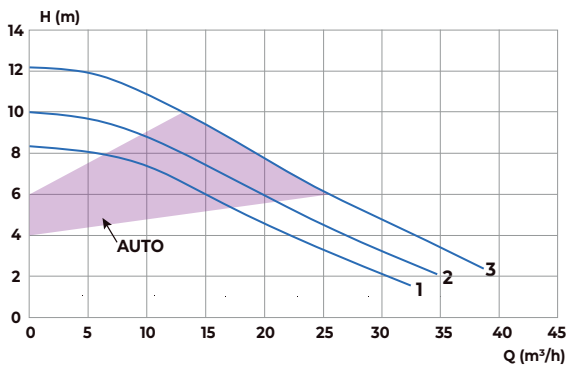
Nameplate



Max. Flow Rate
38 m³/h

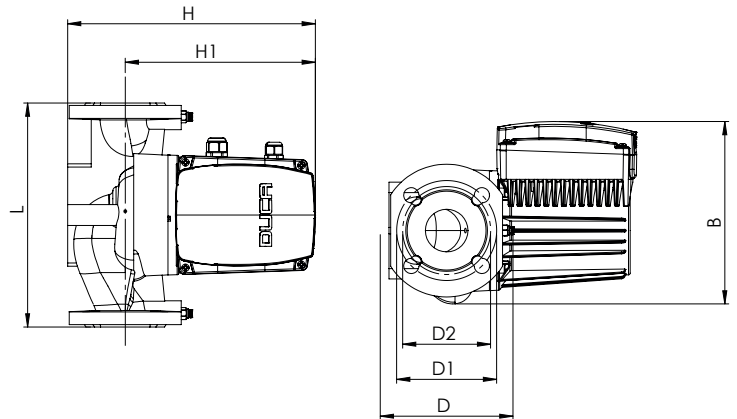
Max. Head
12m

Performance Curve



Dimensions

65-12-340



H 324 mm
H1 224 mm
L 340 mm
B 244 mm

D 185 mm
D1 145 mm
D2 130 mm

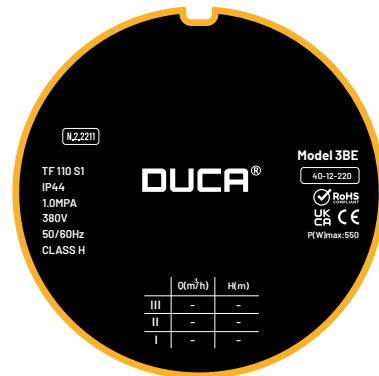
Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated Current (A)	Flange
65-12-340	2 to +110	340	DN65	800	230	3,80-5,80	DN65to 2½"



MODEL 3BE 40-12-220

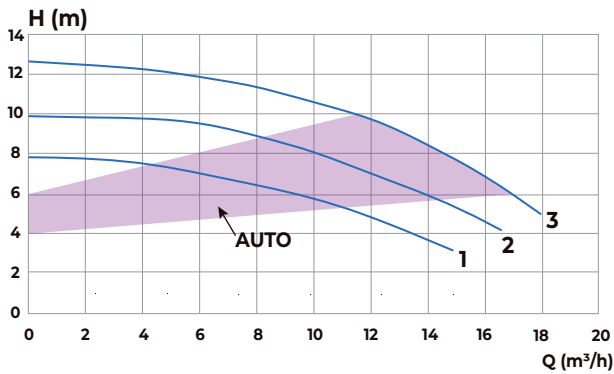
Nameplate



Max. Flow Rate
18 m³/h

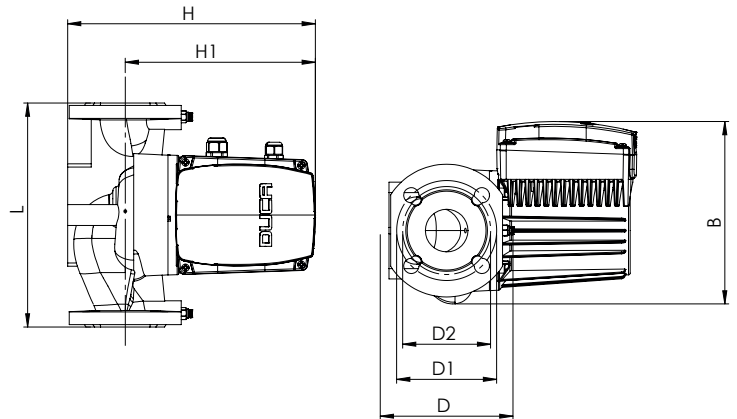
Max. Head
12m

Performance Curve



40-12-220

Dimensions



H 300 mm
H1 235 mm
L 220 mm
B 217 mm

D 150 mm
D1 110 mm
D2 100 mm

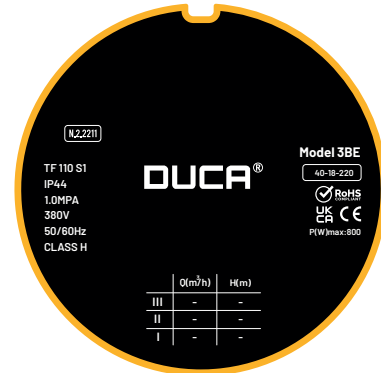
Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated Current (A)	Flange
40-12-220	2 to +110	340	DN40	550	380	0,8-1,40	DN40to 1½"



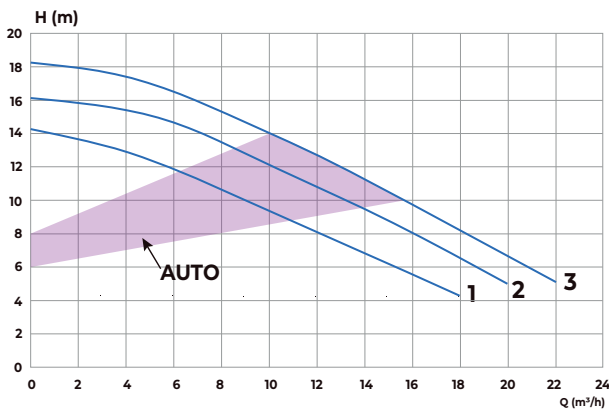
MODEL 3BE 40-18-220

Nameplate



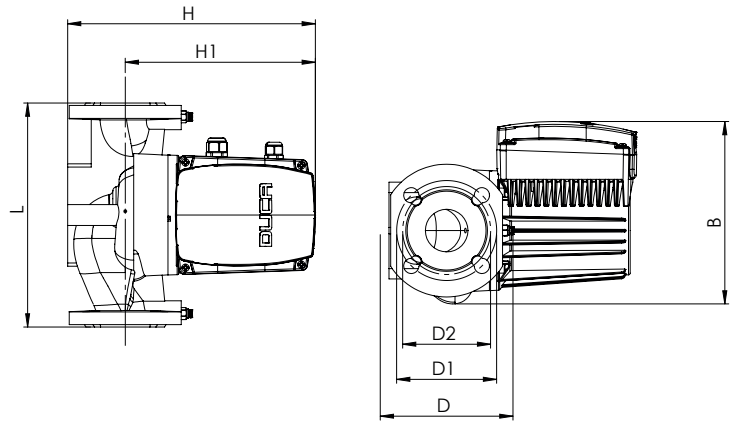
Max. Flow Rate Max. Head
21 m³/h 18m

Performance Curve



Dimensions

40-18-220



H 300 mm
H1 235 mm
L 220 mm
B 217 mm

D 150 mm
D1 110 mm
D2 100 mm

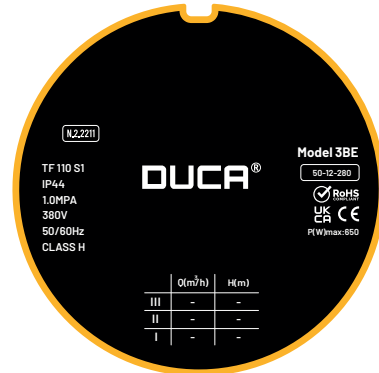
Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated Current (A)	Flange
40-18-220	2 to +110	340	DN40	800	380	1,30-2,00	DN40to 1½"



MODEL 3BE 50-12-280

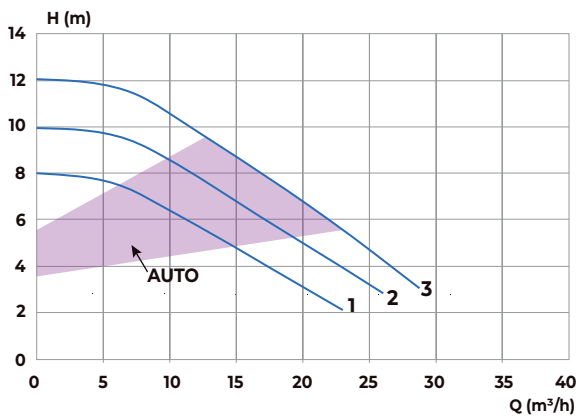
Nameplate



Max. Flow Rate
28 m³/h

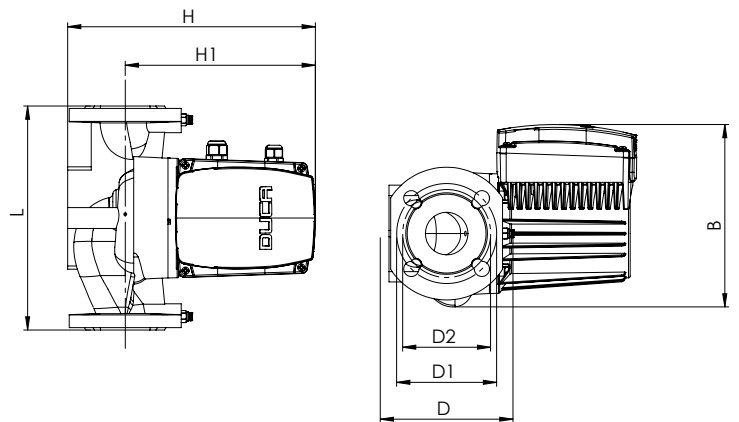
Max. Head
12m

Performance Curve



Dimensions

50-12-280



H 309 mm
H1 237 mm
L 280 mm
B 232 mm

D 165 mm
D1 125 mm
D2 110 mm

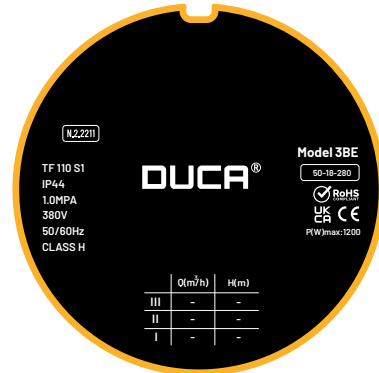
Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated Current (A)	Flange
50-12-280	2 to +110	340	DN50	650	380	1,00-1,60	DN50 to 2"



MODEL 3BE 50-18-280

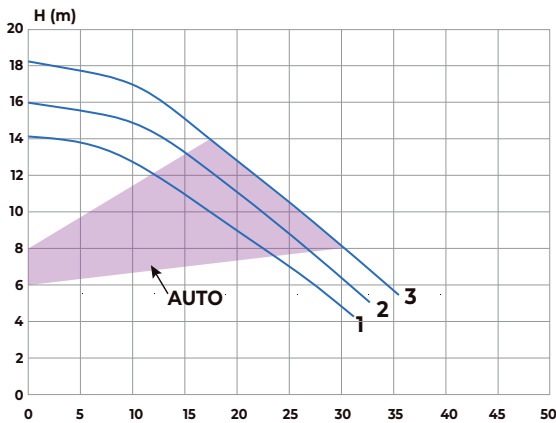
Nameplate



Max. Flow Rate
36 m³/h

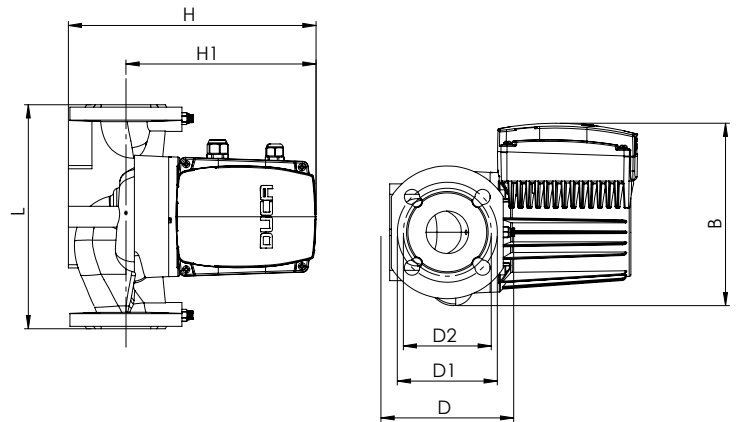
Max. Head
18m

Performance Curve



Dimensions

50-18-280



H 309 mm
H1 237 mm
L 280 mm
B 232 mm

D 165 mm
D1 125 mm
D2 110 mm

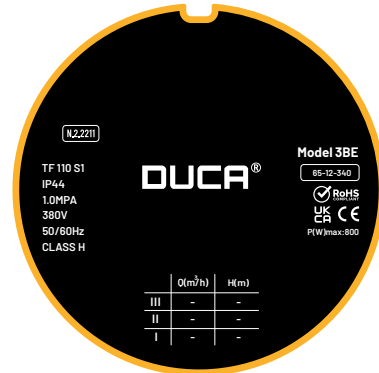
Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated Current (A)	Flange
50-18-220	2 to +110	280	DN50	1200	380	1,80-2,80	DN50 to 2"



MODEL 3BE 65-12-340

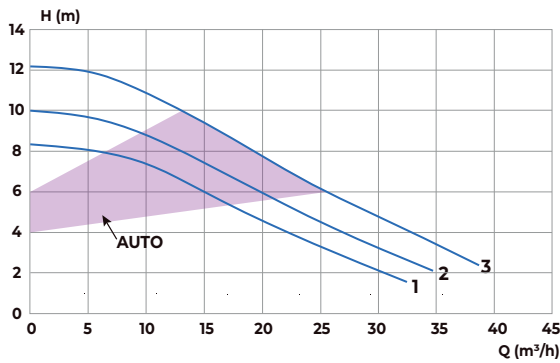
Nameplate



Max. Flow Rate
38 m³/h

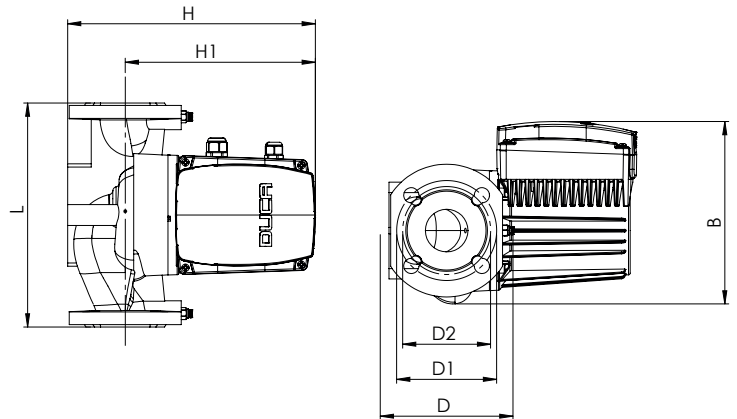
Max. Head
12m

Performance Curve



Dimensions

65-12-340



H 324 mm
H1 224 mm
L 340 mm
B 244 mm

D 185 mm
D1 145 mm
D2 130 mm

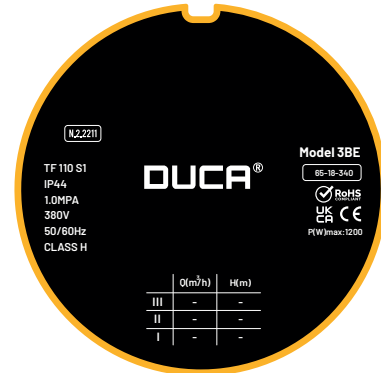
Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated Current (A)	Flange
65-12-340	2 to +110	340	DN65	800	380	1,70-2,60	DN65to 2½"



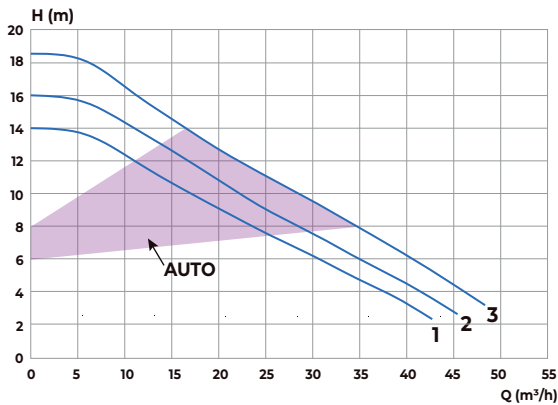
MODEL 3BE 65-18-340

Nameplate



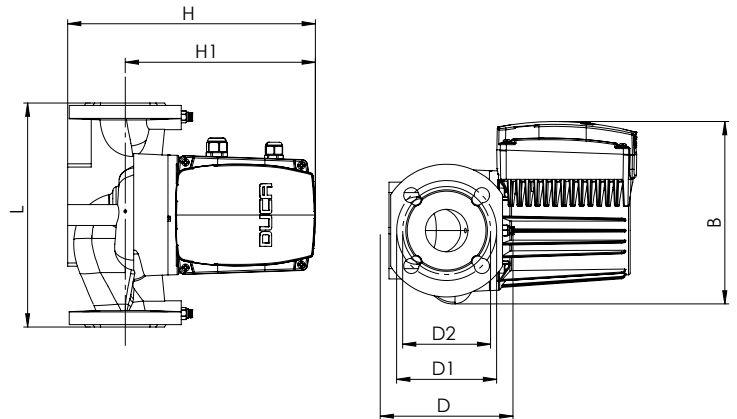
Max. Flow Rate Max. Head
48 m³/h 18m

Performance Curve



Dimensions

65-18-340



H 324 mm
H1 224 mm
L 340 mm
B 244 mm

D 185 mm
D1 145 mm
D2 130 mm

Model Information

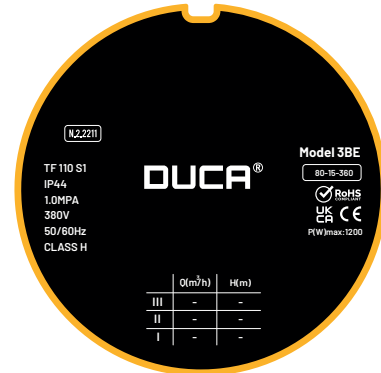
Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated Current (A)	Flange
65-18-340	2 to +110	340	DN65	1200	380	1,81-2,62	DN65to 2½"



MODEL 3BE

80-15-360

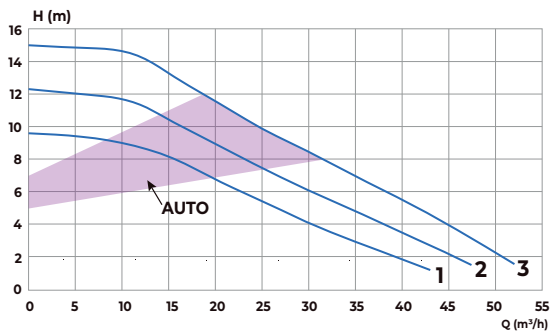
Nameplate



Max. Flow Rate
52 m³/h

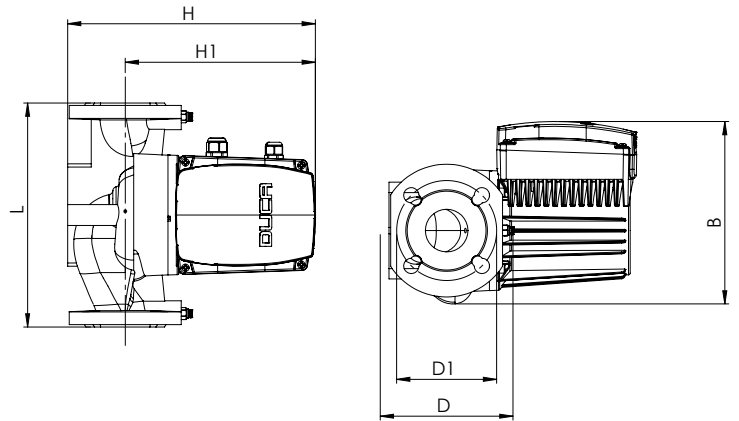
Max. Head
15m

Performance Curve



Dimensions

80-15-360



H 343 mm
H1 241 mm
L 360 mm
B 244 mm

D 200 mm
D1 160 mm

Model Information

Model	Min/Max Temp (°C)	L (mm)	DN	P1 Max	Voltage (V)	Rated Current (A)	Flange
80-15-360	2 to +110	340	DN80	1200	380	1,81-2,74	DN80 to 3"