

**Date:** 31/08/2017

Position | Qty. | Description

1 TP 40-110/4 A-F-A-BQQE



Product No.: 98743357

Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical diameter. The pump is of the top-pull-out design, i.e. the power head (motor, pump head and impeller) can be removed for maintenance or service while the pump housing remains in the pipework.

The pump is fitted with an unbalanced rubber bellows seal. The shaft seal is according to EN 12756. Pipework connection is via PN 16 DIN flanges (EN 1092-2 and ISO 7005-2).

The pump is fitted with a fan-cooled asynchronous motor.

Liquid:

Pumped liquid: Water
Liquid temperature range: -25 .. 120 °C
Liquid temperature during operation: 20 °C
Density: 998.2 kg/m³

Technical:

Speed for pump data: 1410 rpm
Rated flow: 17 m³/h
Rated head: 8.93 m
Actual impeller diameter: 190 mm
Primary shaft seal: BQQE

Curve tolerance: ISO9906:2012 3B

Materials:

Pump housing: Cast iron

EN-JL1040

**ASTM A48-40 B** 

Impeller: Cast iron

EN-JL1030 ASTM A48-30 B

Installation:

Range of ambient temperature: -30 .. 60 °C Maximum operating pressure: 16 bar Flange standard: DIN Pipe connection: **DN 40** Pump inlet: **DN 40** Pump outlet: **DN 40** Pressure stage: PN 16 Port-to-port length: 440 mm Flange size for motor: FF165

Electrical data:

Motor type: 90SC
IE Efficiency class: IE3
Rated power - P2: 0.75 kW
Power (P2) required by pump: 0.75 kW
Mains frequency: 50 Hz



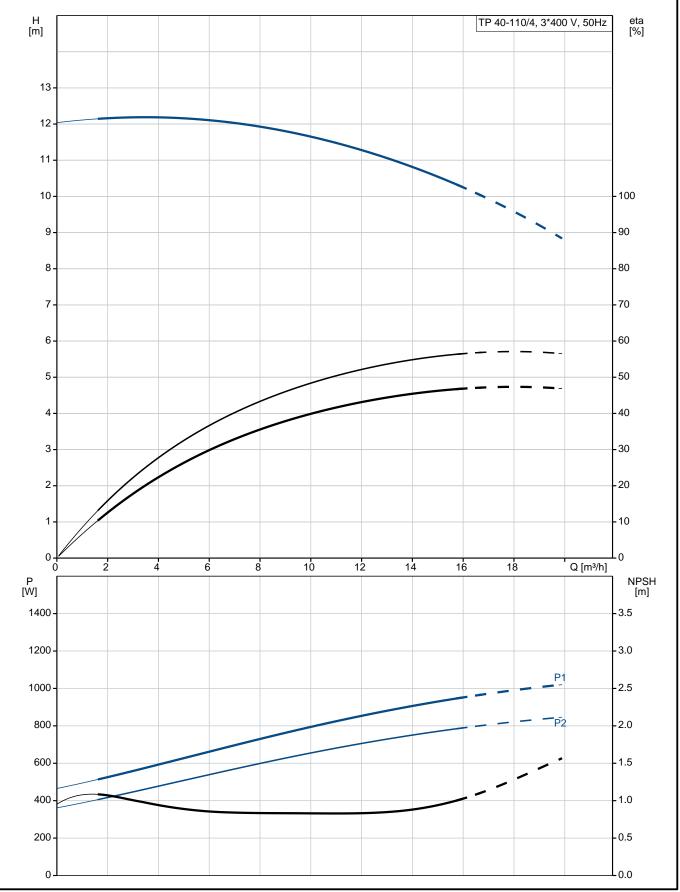
**Date:** 31/08/2017

Rated voltage: Starting current: Cos phi - power factor: Cos phi - power factor: Efficiency: Motor efficiency at 1/2 load: Number of poles: Label: ErP status: Net weight: Starting oursen: Cos phi - power factor: Efficiency at 1/2 load: Motor efficiency at 1/2 load: Motor efficiency at 1/2 load: Motor efficiency at 1/2 load: Starting oursen: Motor efficiency at 1/2 load: Motor efficiency at 1/2			Date.	31/00/2017
Rated voltage: 3 x 220-240D/380-415Y V Rated current: 3,30/1,90 A Starting current: 620-670 % Cos phi - power factor: 0,71-0,64 Rated speed: 1455-1463 rpm Efficiency: IE3 82,5% Motor efficiency at full load: 82.5 % Motor efficiency at 3/4 load: 83.6 % Motor efficiency at 1/2 load: 81.1 % Number of poles: 4 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F  Others: Label: Grundfos Blueflux Minimum efficiency index, MEI EP status: EuP Standalone/Prod. Net weight: 57 kg Gross weight: 71 kg	osition   Qty	y.   Description		
Rated current: 3,30/1,90 A Starting current: 620-670 % Cos phi - power factor: 0,71-0,64 Rated speed: 1455-1463 rpm Efficiency: IE3 82,5% Motor efficiency at full load: 82.5 % Motor efficiency at 3/4 load: 83.6 % Motor efficiency at 1/2 load: 81.1 % Number of poles: 4 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F  Others: Label: Grundfos Blueflux Minimum efficiency index, MEI ErP status: EuP Standalone/Prod. Net weight: 57 kg Gross weight: 71 kg			3 x 220-240D/380-415Y V	
Starting current: 620-670 % Cos phi - power factor: 0,71-0,64 Rated speed: 1455-1463 rpm Efficiency: IE3 82,5% Motor efficiency at full load: 82.5 % Motor efficiency at 3/4 load: 83.6 % Motor efficiency at 1/2 load: 81.1 % Number of poles: 4 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F  Others: Label: Grundfos Blueflux Minimum efficiency index, MEI : 0.7 ErP status: EuP Standalone/Prod. Net weight: 57 kg Gross weight: 71 kg				
Rated speed: 1455-1463 rpm  Efficiency: IE3 82,5%  Motor efficiency at full load: 82.5 %  Motor efficiency at 3/4 load: 83.6 %  Motor efficiency at 1/2 load: 81.1 %  Number of poles: 4  Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F   Others:  Label: Grundfos Blueflux  Minimum efficiency index, MEI: 0.7  ErP status: EuP Standalone/Prod.  Net weight: 57 kg  Gross weight: 71 kg				
Efficiency:  Motor efficiency at full load: 82.5 %  Motor efficiency at 3/4 load: 83.6 %  Motor efficiency at 1/2 load: 81.1 %  Number of poles: 4 Enclosure class (IEC 34-5): Insulation class (IEC 85):   Others: Label: Grundfos Blueflux Minimum efficiency index, MEI: O.7 ErP status: Net weight: Gross weight:  Fig. 82.5%  82.5 %  82.5 %  83.6 %  81.1 %  F  Outhers:  Country index (IEC 85): F  Others:  Country index (IEC 85): F  Outhers: Country index (IEC 85)		Cos phi - power factor:		
Motor efficiency at full load: 82.5 % Motor efficiency at 3/4 load: 83.6 % Motor efficiency at 1/2 load: 81.1 % Number of poles: 4 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F  Others: Label: Grundfos Blueflux Minimum efficiency index, MEI: 0.7 ErP status: EuP Standalone/Prod. Net weight: 57 kg Gross weight: 71 kg				
Motor efficiency at 3/4 load: 83.6 % Motor efficiency at 1/2 load: 81.1 % Number of poles: 4 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F  Others: Label: Grundfos Blueflux Minimum efficiency index, MEI: 0.7 ErP status: EuP Standalone/Prod. Net weight: 57 kg Gross weight: 71 kg				
Motor efficiency at 1/2 load: 81.1 % Number of poles: 4 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F  Others: Label: Grundfos Blueflux Minimum efficiency index, MEI: 0.7 ErP status: EuP Standalone/Prod. Net weight: 57 kg Gross weight: 71 kg				
Number of poles: 4 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F  Others: Label: Grundfos Blueflux Minimum efficiency index, MEI: 0.7 ErP status: EuP Standalone/Prod. Net weight: 57 kg Gross weight: 71 kg				
Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F  Others: Label: Grundfos Blueflux Minimum efficiency index, MEI: 0.7 ErP status: EuP Standalone/Prod. Net weight: 57 kg Gross weight: 71 kg				
Insulation class (IEC 85): F  Others: Label: Grundfos Blueflux Minimum efficiency index, MEI: 0.7 ErP status: EuP Standalone/Prod. Net weight: 57 kg Gross weight: 71 kg		Number of poles:		
Others: Label: Grundfos Blueflux Minimum efficiency index, MEI: 0.7 ErP status: EuP Standalone/Prod. Net weight: 57 kg Gross weight: 71 kg				
Label: Grundfos Blueflux  Minimum efficiency index, MEI: 0.7  ErP status: EuP Standalone/Prod.  Net weight: 57 kg  Gross weight: 71 kg		insulation class (IEC 65).	•	
Minimum efficiency index, MEI : 0.7 ErP status: EuP Standalone/Prod. Net weight: 57 kg Gross weight: 71 kg				
ErP status: EuP Standalone/Prod.  Net weight: 57 kg  Gross weight: 71 kg				
Net weight: 57 kg Gross weight: 71 kg				
Gross weight: 71 kg				
Shipping volume: 0.22 in				
		Shipping volume.	0.22 111	



**Date:** 31/08/2017

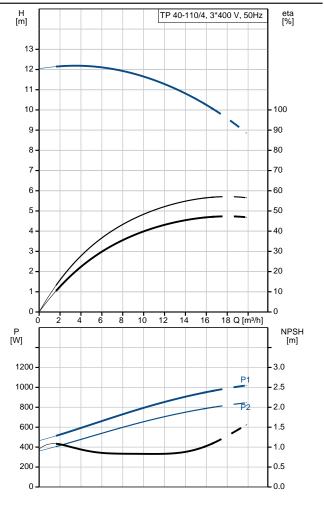
## 98743357 TP 40-110/4 50 Hz





**Date:** 31/08/2017

Description	Value
General information:	
Product name:	TP 40-110/4 A-F-A-BQQE
Product No:	98743357
EAN number:	5712600820685
Technical:	
Speed for pump data:	1410 rpm
Rated flow:	17 m³/h
Rated head:	8.93 m
Head max:	110 dm
Actual impeller diameter:	190 mm
Primary shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Materials:	0 11
Pump housing:	Cast iron
	EN-JL1040
	ASTM A48-40 B
Impeller:	Cast iron
	EN-JL1030
	ASTM A48-30 B
Material code:	A
Installation:	
Range of ambient temperature:	-30 60 °C
Maximum operating pressure:	16 bar
Flange standard:	DIN
Connect code:	F
Pipe connection:	DN 40
Pump inlet:	DN 40
Pump outlet:	DN 40
Pressure stage:	PN 16
Port-to-port length:	440 mm
Flange size for motor:	FF165
riange size for motor.	11 100
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-25 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
Electrical data:	0000
Motor type:	90SC
IE Efficiency class:	IE3
Rated power - P2:	0.75 kW
Power (P2) required by pump:	0.75 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240D/380-415Y V
Rated current:	3,30/1,90 A
Starting current:	620-670 %
Cos phi - power factor:	0,71-0,64
Rated speed:	1455-1463 rpm
Efficiency:	IE3 82,5%
Motor efficiency at full load:	82.5 %
Motor efficiency at 3/4 load:	83.6 %
Motor efficiency at 1/2 load:	81.1 %
Number of poles:	4





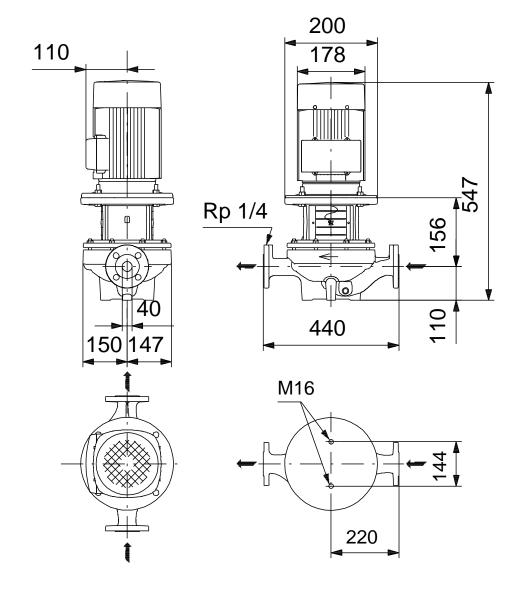
**Date:** 31/08/2017

Description	Value
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	NONE
Motor No:	87120313
Others:	
	0 1/ 0 1/
Label:	Grundfos Blueflux
Minimum efficiency index, MEI:	0.7
ErP status:	EuP Standalone/Prod.
Net weight:	57 kg
Gross weight:	71 kg
Shipping volume:	0.22 m³



**Date:** 31/08/2017

## 98743357 TP 40-110/4 50 Hz



Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date:

31/08/2017

## 98743357 TP 40-110/4 50 Hz

