



**TYPE**

Phawo 3.0/6920/1.2 k

23.07.2019  
Rev 0

**Artikel:**

5972-32097-01

**NOMINAL RATINGS**

Rated output	Qn	6.920,00 kvar
Rated voltage	Un	3,00 kV rms
Capacitance	Cn	102,00 µF
Rated current	In	2.306,0 A
Frequency	fn	1.200 Hz
Isolation level	Ui	--/0 kV BIL
Internal fuse		NO
Pressure switch		NO
Discharge resistor		NO
Installation		indoor
Connection	I	single phase

**Standard**

IEC60110-1

**OPERATING TEMPERATURE**

Minimum ambient:	Tmin	5 °C
Maximum ambient:	Tmax	+50 °C

**STORAGE TEMPERATURE (>3 month)**

Ambient	Tmin	-30 °C
Ambient	Tmax	+40 °C

**TECHNOLOGY**

Allfilm	
Dielectric	Polypropylene
Filling material	C101
Quantity of filling mat.	13 l

**BUSHING**

**D-163**

Number	4
Material	Porcelain
Flash over distance	63 mm
Creepage distance	70 mm
Terminal	M 20

**DESIGN DATA**

Weight	71 kg
Casing material	Stainless steel MS
Painting	RAL 7033
Mounting position	horizontal *)
Dimensions	400*169*710 mm

**ROUTINE TEST**

	<i>Test voltage</i>	
Terminal/Terminal		0 VAC,10s
Terminal/Terminal		10.750 VDC,10s
Terminal/Case		6.450 VAC,10s

**WATER COOLING**

Power loss	2721 W
Cooling water Δθ 5°K	9 l/min
Pressure loss	321 mbar
Cooling water ϑ max	40 °C out

**DRAWING**

03-B-784

H1	140 mm
H	710 mm
M	20 mm

\*) From electrical perspective, ESTA Capacitors can be erected vertically as well as horizontally

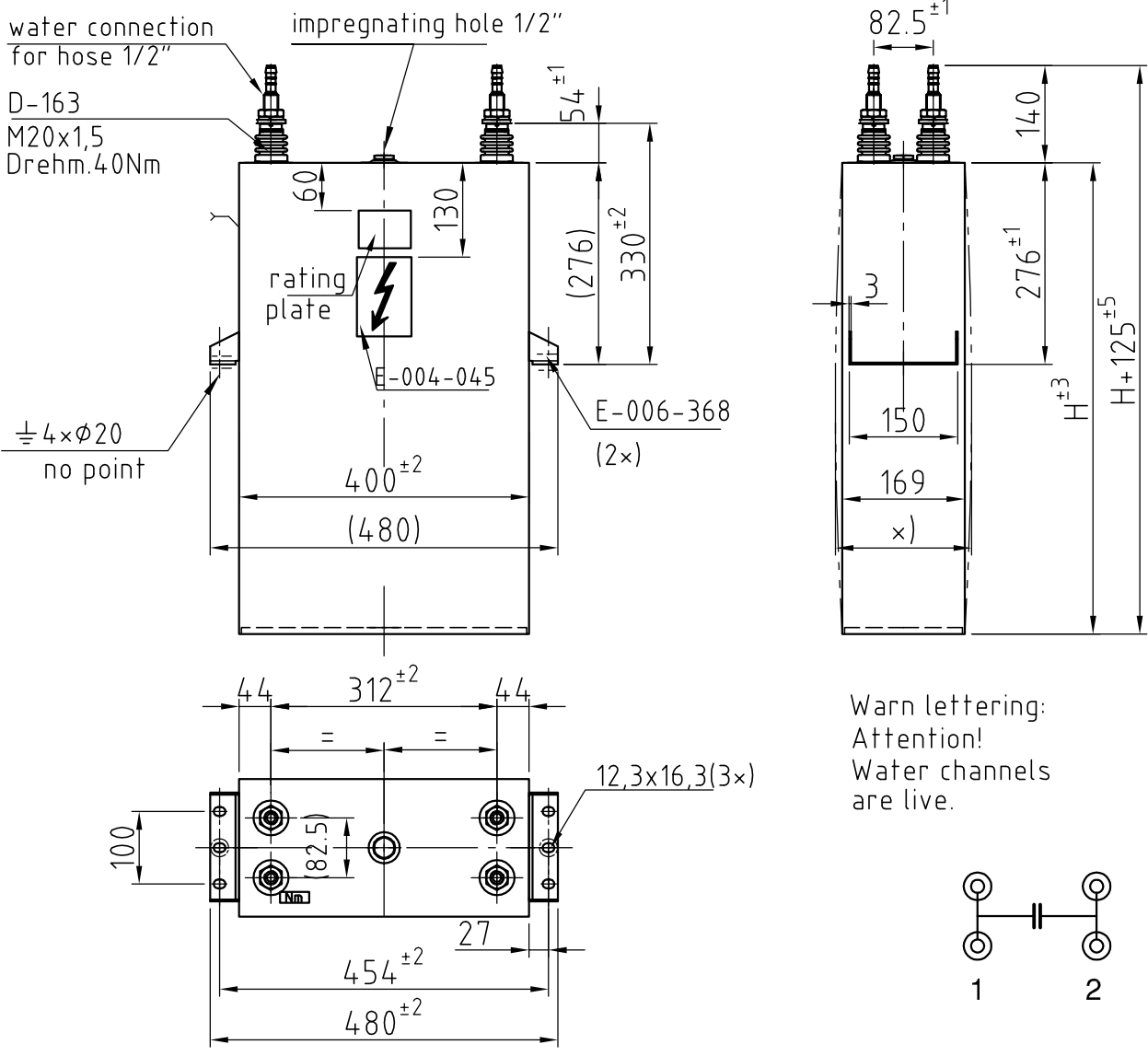
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\* capacitor is liable to expand up to approx. 115% when under load condition

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Terminal										
Q [kVar]										
C [µF]										
I [A]										
Bushing										
Bolt										
Rated output	:	kvar	Power loss	:	W	Case height:	mm			
Rated voltage	:	volts	Cooling water	:	l/min	Weight	:	kg		
Rated frequency:		c/s	pressure loss	:	mbar					
Rated current	:	amps	max. cooling water temp.	:	40°C	Connection	:			
Comm.-No.	:		Item:		Qty.:	RA	:			
Ordering-No.	:		Type	:						

PERMISSIBLE TOLERANCES: ISO 2768 <input type="checkbox"/> FINE <input type="checkbox"/> MEAN <input checked="" type="checkbox"/> COARSE <input type="checkbox"/> VERY COARSE		DATE	Name				
	DRAWN	9.01.03	M.Mock				
	CHECKED	20.12.05	Eberl				
DIMENSIONS IN	mm	DRAWN		2	Bef.,-Winkel,Dfg.-Höhe geändert	20.12.05	Mock
ORIGINAL DRAWING		CHECKED		INDEX	CHANGE	DATE	NAME

APPLICATION FOR	SCALE	DESIGNATION	Werkstoff / MATERIAL:
	1:10	MF-CAPACITOR water cooled in dead casing	case Ms -
			SUBST. FOR      SUBST. BY