



# PROVAC

## SALES

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# Pfeiffer TCP-015, 121, 380, 600, 5000

## Technical Specifications

Electronic drive units TCP		TCP 015	TCP 121	TCP 380	TCP 600	TCP 5000
Connection voltage	V	90 - 122/195 - 265	100 - 240 ± 10 %	100 - 240 (± 10 %)	115/230 (± 20 %)	220/240
Frequency	Hz	50 - 60	50 - 60	50 - 60	50 - 60	50 - 60
Power Input, max.	VA	110	150	325	1000	2000
Output voltage, max.	V	43 DC <sup>1)</sup>	40 DC	40 DC	70 DC	200 DC
Run-Up current	A	2.5	3	7	10	10
Rated frequency ± 2 %	Hz	1500	1000 - 1500	600 - 1500	600 - 1000	300 - 600
Starting time	min	8 - 60	1 - 30	1 - 120	1 - 120	1 - 45/3 - 120
Factory setting	min	8	8	8	10	20/60
Rotation speed switch point, adjustable	% <sup>2)</sup>	800 Hz <sup>3)</sup>	50 <sup>3)</sup>	50 - 90	50 - 90	70 - 90
Permissible ambient temperature	°C	0 - 40	0 - 40	0 - 40	0 - 40	0 - 40
Cable length turbo pump-TCP, max.	m	50	100	100	100	100
Contact rating K1 and K2						
Resistive/Inductive load <sup>4)</sup>	A	4/2	6/4	6/4	6/6	15/7
Radio interference suppression DIN VDE 0871 B		●	●	●	●	-
Weight	kg	2.4	2.4	4	13	16
<b>Order numbers</b>						
Electronic drive unit with TMS		-	-	-	PM C01 321	-
Electronic drive unit		PM C01 598	PM C01 497	PM C01 680	PM C01 320	PM C01 661
Mating plug for TCP mains connection		-	PM 021 540-T	PM 021 540-T	P 0920 544 E	PM 001 164-T
<b>Accessories</b>						
Interface TCI 001		-	-	-	-	PM C01 291
Interface RS 232 C/RS 485 / TCI 015		-	-	-	PM C01 347	-
Interface adapter with 2 mating plugs		-	-	-	-	PM Z01 041
Interface RS 232 C/RS 485		-	-	PM 021 872-T	-	-
Rotation speed setting module		-	-	-	PM 031 429-T	-
Mains cable						
- Schuko plug (German version)		P4564 309ZA	PM 031 447-X	PM 031 447-X	PM 031 554-X	PM 041 400-X
- US version plug (115 V)		P4564 309ZE	PM 041 264-X	PM 041 264-X	PM 041 285-X	-
- US version plug (208 V)		P4564 309ZF	PM 041 265-X	PM 041 265-X	PM 041 286-X	PM 041 401-X

<sup>1)</sup> Dependent on the voltage.

<sup>2)</sup> The nominal rotation speed.

<sup>3)</sup> Fixed.

<sup>4)</sup> At cos φ = 0.5.

● = standard

Configurations		TCP 015	TCP 121	TCP 380	TCP 600	TCP 5000
Turbomolecular pumps	TPH/U 2200					
	TPH 5000					
Turbo drag pumps	TMH/U 064					
	TMH/U 065					
	TMH/U 260					
	TMH/U 520					
	TMH/U 1000					
	TMH/U 1600					
Pumps for corrosive gas operation	TMH/U 260 C					
	TMH/U 520 C					
	TMH/U 1000 C/CT					
	TMH/U 1600 C/CT					
	TPH/U 2200 C					