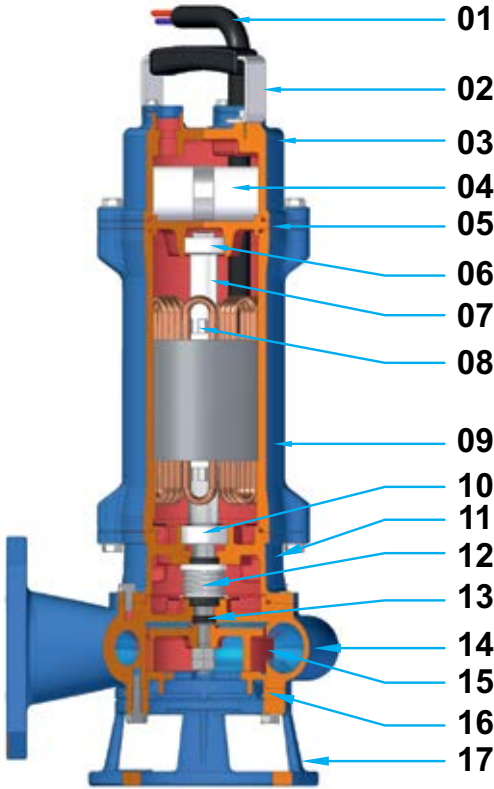


# Submersible Cutter Pumps

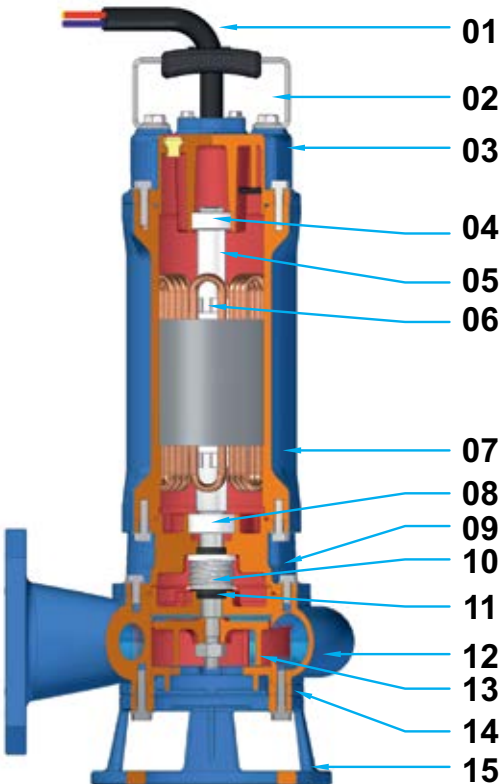
## PSC Series

### Cross Section • Single Phase



NO.	DESCRIPTION	MATERIAL
01	POWER & CONTROL CABLE	PVC. INSU. SHEATHED
02	LIFTING HANDLE	S.S.
03	TOP COVER	CI IS-210, FG260
04	CAPACITOR	REPUTED MAKE
05	TOP BEARING PLATE	CI IS-210, FG260
06	BEARING	FAG. (GREASE LUB.)
07	ROTOR SHAFT	S.S. 410
08	ROTOR	ALU. DYE-CAST
09	MOTOR BODY	CI IS-210, FG260
10	BEARING	FAG. (GREASE LUB.)
11	OIL CHAMBER	CI IS-210, FG260
12	MECHANICAL SEAL	CA/CE & SIC/SIC
13	OIL SEAL	NITRILE RUBBER
14	VOLUTE	CI IS-210, FG260
15	IMPELLER	CI IS-210, FG260
16	SPIRAL PLATE	CI IS-210, FG260
17	STAND	CI IS-210, FG260
#	FASTENER	S.S. 304 / S.S. 316
Note: M.O.C. SHOWING MAJOR PARTS ONLY		

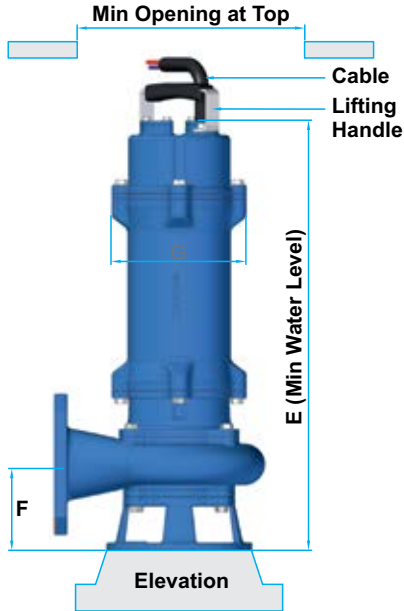
### Cross Section • Three Phase



NO.	DESCRIPTION	MATERIAL
01	POWER & CONTROL CABLE	PVC. INSU. SHEATHED
02	LIFTING HANDLE	S.S.
03	TOP COVER	CI IS-210, FG260
04	BEARING	FAG. (GREASE LUB.)
05	ROTOR SHAFT	S.S. 410
06	ROTOR	ALU. DYE-CAST
07	MOTOR BODY	CI IS-210, FG260
08	BEARING	FAG. (GREASE LUB.)
09	OIL CHAMBER	CI IS-210, FG260
10	MECHANICAL SEAL	CA/CE & SIC/SIC
11	OIL SEAL	NITRILE RUBBER
12	VOLUTE	CI IS-210, FG260
13	IMPELLER	CI IS-210, FG260
14	SPIRAL PLATE	CI IS-210, FG260
15	STAND	CI IS-210, FG260
#	FASTENER	S.S. 304 / S.S. 316
Note: M.O.C. SHOWING MAJOR PARTS ONLY		

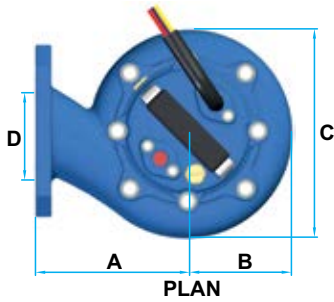
## PSC Series

### GA Drawing



All Dimension are in mm

MODEL	MIN. OPENING	A	B	C	D	E	F	G	PUMP WEIGHT in Kg.	BOX SIZE LxBxH in inch	TOTAL WEIGHT in Kg.
PSSCF0.5L	470	136	85	170	50	504	102	126	30	23x10x13	36
PSSC0.5L	470	136	85	170	50	504	102	126	30	23x10x13	36
PSSCF1.0L	470	136	85	170	50	544	102	126	32	23x10x13	38
PSSC1.0L	470	136	85	170	50	544	102	126	31	23x10x13	38
PSTC1.0L	470	136	85	170	50	514	102	126	29	23x10x13	35
PSSCF2.0L	500	147	99	198	80	537	114	145	40	23x10x13	46
PSSC2.0L	500	147	99	198	80	537	114	145	39	23x10x13	45
PSTC2.0L	500	147	99	198	80	509	114	145	40	23x10x13	46
PSTC3.0L	500	147	99	198	80	583	114	163	50	27x13x16	57
PSTC5.0M	590	167	145	290	80	628	129	188	60	27x13x16	67



# Submersible Cutter Pumps

## PSC Series

### Performance Chart • 2900 RPM (CI Impeller with Tungsten Tip)

No.	Model	HP / KW	Phase	Del. Size in mm	DISCHARGE IN m <sup>3</sup> /hr	HEAD IN METERS													
						2	4	6	8	10	12	14	16	18	20	22	24	26	
1	PSSCF0.5L	0.5 / 0.37	1	50			13	11	7										
2	PSSC0.5L	0.5 / 0.37	1	50			13	11	7										
3	PSSCF1.0L	1.0 / 0.75	1	50				22	17	10									
4	PSSC1.0L	1.0 / 0.75	1	50				22	17	10									
5	PSTC1.0L	1.0 / 0.75	3	50				22	17	10									
6	PSSCF2.0L	2.0 / 1.5	1	80			51	42	33	25	18	6							
7	PSSC2.0L	2.0 / 1.5	1	80			51	42	33	25	18	6							
8	PSTC2.0L	2.0 / 1.5	3	80			51	42	33	25	18	6							
9	PSTC3.0L	3.0 / 2.2	3	80			72	52	48	40	30	22							
10	PSTC5.0M	5.0 / 3.7	3	80				76	72	66	60	54	48	42	33	24	15	4	

### Performance Curves • 2900 RPM

