

Single Stage Electric Pumps with multivane turbine impeller, generating high lifts with a small power consumption.

Applications:

Suitable for domestic applications where there is insufficient mains water pressure available, to increase the network pressure, household, boiler feed, booster systems, circulation, heating, cooling, circulation, air-conditioning, spraying, chemical industries, etc.; generating high lifts with a small power consumption.
The automatic distribution of water from surge tanks, watering gardens and for boosting insufficient mains water pressure.



Side suction



End suction



BRONZE

Bronze Casting end suction

MATERIALS OF PARTS IN CONTACT WITH THE PUMPED LIQUID

Pump body: cast iron or bronze or die casting brass or precision casting stainless steel
Bracket (water side): cast iron or bronze or die casting brass or precision casting stainless steel
Impeller: Brass or technopolymer or stainless steel
Shaft: stainless steel

I-36063 Marostica (Vicenza) Italy
 www.valco.eu

**Casalunga™ Range VALCO BRAND TURBINE PERIPHERAL BOOSTER
 ELECTRIC PUMPS**

Pump and motor construction data
 with limits of use and operating conditions

Types		HP	kW	Q= Performance at 2900 rpm																In (A) 1x230V	In (A) 3x400V		
1 PH 230V 50Hz	3 PH 230/400V 50Hz			m3/h	0	0,3	0,6	0,9	1,2	1,8	2,4	3	3,9	4,2	4,8	5,4							
250PPU-S	250PPU-ST	0,2	0,15	30	16	3																1,5	0,7
254PL	254PLT	0,5	0,37	40	35	30	25	21	13	5												2,3	1,0
254PLS	254PLST	0,5	0,37	40	35	30	25	21	13	5												2,3	1,0
255PL	255PLT	0,5	0,37	40	35	30	25	21	13	5												2,3	1,0
255PLB	255PLBT	0,5	0,37	40	35	30	25	21	13	5												2,3	1,0
256PLU-L	256PLU-LT	0,7	0,5	50	42	35	28	22	12	5												3,1	1,4
258PPU-S	258PPU-ST	0,7	0,5	49	41	35	29	24	13													3,1	1,4
257PL	257PLT	0,75	0,55	53	49	44	39	34	25	16	8											4,0	1,7
258PLS	258PLST	0,75	0,55	53	49	44	39	34	25	16	8											4,0	1,7
258PLU-L	258PLU-LT	0,8	0,6	58	51	43	37	30	18	8												3,3	1,5
261PLH	261PLHT	1	0,75	88	79	69	60	50	29	9												5,6	2,0
260PLU-L	260PLU-LT	1	0,75	67	58	49	40	32	18	8												5,5	2,1
260PL	260PLT	1	0,75	65	61	56	52	48	39	31	18											5,2	2,0
261PL	261PLT	1	0,75	65	61	56	52	48	39	31	18											5,2	2,0
262PLS	262PLST	1	0,75	65	61	56	52	48	39	31	18											5,2	2,0
264PSU-S	264PSU-ST	1,6	1,2	55	51	48	44	41	35	29	24	16	13	8								8,5	3,3
262PLU-L	262PLU-LT	2	1,5	94	80	67	56	47	29	13												11,0	4,2
266PSU-S	266PSU-ST	2,7	2	90	86	81	77	72	63	54	45	31	27	18	9							13,2	5,2

• Reduction in speed will result in a fall of performance. • DO NOT RUN PUMP DRY! • Tolerances according to ISO 9906 Grade 3B.

OPERATING CONDITIONS (LIMITS OF USE)

Maximum temperature of pumped liquid °C	0 +90
Maximum working pressure (max allowed pressure in the pump casing) kPa/bar	See table below (1)
Maximum ambient temperature °C	40
Type of pumped liquid	Neutral clean water and fluid chemically and mechanically non-corrosive, non-aggressive, non-abrasive, non-explosive. In a non-explosive environment
Density of pumped liquid with γ =water specific gravity kg/dm3	1
Presence of solids in suspension	No

CONSTRUCTION MATERIALS

Pump body	See table below (2)
Pump bracket (water side)	See table below (3)
Impeller/s	See table below (4)
Shaft (pump side)	See table below (5)
Mechanical seal	Ceramic, carbon-graphite
Motor casing	Aluminium

MOTOR

Asynchronous Electric motor	
Number of poles	2
Insulation class	F
Degree of protection IP	44
Service	Continuous duty
Built in thermal protection	Yes
Maximum tolerance (fluctuation) from the nominal voltage	± 6%
Starts per hour max	40

3phase: the overload motor protection must be provided by the user (we recommend the use of a control box)

Types		Max press (1) (kPa / bar)	CONSTRUCTION MATERIALS			
1 PH	3 PH		Pump body (2)	Impeller (4)	Shaft (5)	Bracket (3)
250PPU-S	250PPU-ST	950 / 9,5	AISI 316	Technopolymer	AISI 316	AISI 316
254PL	254PLT	800 / 8	Cast iron	Brass	AISI 416	Cast iron
254PLS	254PLST	600 / 6	Cast iron	Brass	AISI 416	Cast iron
255PL	255PLT	600 / 6	Cast iron	Brass	AISI 416	Cast iron
255PLB	255PLBT	600 / 6	Bronze	Brass	AISI 416	Bronze
256PLU-L	256PLU-LT	1100 / 11	Brass	Brass	AISI 420	Brass
258PPU-S	258PPU-ST	950 / 9,5	AISI 316	Technopolymer	AISI 316	AISI 316
257PL	257PLT	800 / 8	Cast iron	Brass	AISI 416	Cast iron
258PLS	258PLST	800 / 8	Cast iron	Brass	AISI 416	Cast iron
258PLU-L	258PLU-LT	1100 / 11	Brass	Brass	AISI 420	Brass
261PLH	261PLHT	900 / 9	Cast iron	Brass	AISI 416	Cast iron
260PLU-L	260PLU-LT	1100 / 11	Brass	Brass	AISI 420	Brass
260PL	260PLT	800 / 8	Cast iron	Brass	AISI 416	Cast iron
261PL	261PLT	800 / 8	Cast iron	Brass	AISI 416	Cast iron
262PLS	262PLST	800 / 8	Cast iron	Brass	AISI 416	Cast iron
264PSU-S	264PSU-ST	950 / 9,5	AISI 316	AISI 316	AISI 316	AISI 316
262PLU-L	262PLU-LT	1100 / 11	Brass	Brass	AISI 420	Brass
266PSU-S	266PSU-ST	950 / 9,5	AISI 316	AISI 316	AISI 316	AISI 316

Employed stainless steel
 AISI 316: DIN/EN 1.4401
 AISI 416: DIN/EN 1.4005
 AISI 420: DIN/EN 1.4021

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Types		Dimensions in mm										kg	Ports
1 PH	3 PH	L	H	a	c	d	e	f	H1	DNa	DNm		
250PPU-S	250PPU-ST	185	147	-	59	90	110	60	100	1/4"	1/4"	3,8	Up suc. and del.
254PL	254PLT	235	165	-	105	67	97	120	80	1/2"	1/2"	5,6	Side suction
254PLS	254PLST	240	158	150	63	100	120	80	184	1"	1"	6	Side suction
255PL	255PLT	260	158	63	63	100	120	80	143	1"	1"	5,7	End suction
255PLB	255PLBT	260	158	63	63	100	120	80	143	1"	1"	5,7	End suction
256PLU-L	256PLU-LT	252	172	-	105	100	120	80	123	3/4"	3/4"	6,8	Up suc. and del.
258PPU-S	258PPU-ST	250	172	-	105	100	120	80	120	1/2"	1/2"	6,5	Up suc. and del.
257PL	257PLT	271	158	63	70	100	120	80	152	1"	1"	7,9	End suction
258PLS	258PLST	248	158	157	72	100	120	80	193	1"	1"	9	Self priming
258PLU-L	258PLU-LT	252	161	-	105	100	120	80	123	3/4"	3/4"	6,8	Up suc. and del.
261PLH	261PLHT	286	172	71	75	112	135	90	158	1"	1"	10,5	End suction
260PLU-L	260PLU-LT	268	190	-	105	112	135	90	131	3/4"	3/4"	9,3	Up suc. and del.
260PL	260PLT	263	172	124	72	112	135	90	156	1"	1"	9,5	Side suction
261PL	261PLT	294	172	71	72	112	135	90	160	1"	1"	9,5	End suction
262PLS	262PLST	271	172	165	72	112	135	90	201	1"	1"	10,5	Self priming
264PSU-S	264PSU-ST	327	227	-	138	125	152	100	154	3/4"	3/4"	14,8	Up suc. and del.
262PLU-L	262PLU-LT	268	190	-	105	112	135	90	131	3/4"	3/4"	9,3	Up suc. and del.
266PSU-S	266PSU-ST	327	227	-	138	125	152	100	154	3/4"	3/4"	14,8	Up suc. and del.

