

# FLOWZER

PUMP PERFORMANCE

## Centrifugal Pump (Italy)

### ACP SERIES CENTRIFUGAL PUMPS

#### PERFORMANCE RANGE

Flow rate up to 40m<sup>3</sup>/h  
Dynamic head up to 40 m

#### OPERATING LIMITS

Suction lift up to 9 m  
Fluid temperature up to +40° C - 90° C  
Maximum ambient temperature +40° C



#### PUMPS INSTALLATION AND APPLICATION

These pumps are suitable for pumping clean water and fluids which are not chemically aggressive to the pump components. They are extremely reliable, simple to use, quiet and virtually maintenance-free, finding many uses in domestic and civil applications, and in particular the automatic distribution of water from small and medium-size surge tanks, transferring water, watering gardens, etc. These pumps should be installed in a covered area, protected against the weather.

#### PERFORMANCE

The range of pumps making up the WLB series is particularly varied: however when developing the single units, care was taken to aim at standardizing the following features within the series: Ample and stable characteristic curves  
Outputs having good absolute values and endemically flat curves:  
Flat absorption curves at high delivery rates, preventing motor overloading even during prolonged use: Good suction capacities both at low and high delivery rates

#### STRUCTURAL CHARACTERISTICS

Cast iron PUMP BODY  
Aluminum MOTOR BRACKET  
Cast Iron IMPELLER, centrifugal radial flow type (techno polymer impeller on request)  
Ceramic and graphite MECHANICAL SEAL.  
MOTOR: the pumps are coupled directly to an asynchronous, high efficiency induction motor of suitable size, which is quiet running, close and externally ventilated, suitable for continuous duty. INSULATION class F(B up to 0.75kw)  
The thermal cutout rely(motor protector )is incorporated in single phase motors .  
Three phase motors require an adequate external motor protector, with continuous according to current standard PROTECTION IP44(IP55 or IP54)  
CONSTRUCTION AND SAFETY STANDARDS in compliance with IEC .

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ACP  -

Electric pump voltage: S-Single phase, T-Three phase

Max. head, m

Max. Q., m<sup>3</sup>/h

FLOWZER Centrifugal Pump



## PERFORMANCE SPECIFICATIONS

Model	Q.max	Max.Head (m)	Inlet (Inch)	Outlet (Inch)	Suct. Head (m)	Voltage (V)	Frequency (Hz)	Current (A)	Speed (r.p.m)	Power (kW)	Net weigh (kg)
ACP60-22S	6m <sup>3</sup> /h-5.5m	21	1"	1"	8	230	50	2.6	2850	0.37	10
ACP61-29S	6.1m <sup>3</sup> /h-8.9m	29	1"	1"	8	230	50	5.0	2850	0.75	15
ACP61-29T	6.1m <sup>3</sup> /h-8.9m	29	1"	1"	8	400	50	2.3	2850	0.75	15
ACP104-29S	10.4m <sup>3</sup> /h-5.0m	29	1.5"	1"	8	230	50	6.4	2850	1.1	18
ACP104-29T	10.4m <sup>3</sup> /h-5.0m	29	1.5"	1"	8	400	50	3.0	2850	1.1	18
ACP109-35T	10.9m <sup>3</sup> /h-5.6m	35.4	1.5"	1"	8	400	50	3.0	2850	1.85	19.7
ACP122-15S	12.2m <sup>3</sup> /h-7.3m	15	1.5"	1.5"	8	230	50	4.6	2850	0.75	13.5
ACP122-15T	12.2m <sup>3</sup> /h-7.3m	15	1.5"	1.5"	8	400	50	2.5	2850	0.75	13.5
ACP196-37T	19.6m <sup>3</sup> /h-6.7m	37.2	2"	1.25"	8	400	50	5.4	2850	2.2	32.1
ACP209-43T	20.9m <sup>3</sup> /h-7.2m	42.6	2"	1.25"	8	400	50	6.7	2850	3.0	33.7
ACP300-21S	30m <sup>3</sup> /h-8.6m	21	2"	2"	8	230	50	2.3	2850	1.85	24
ACP300-21T	30m <sup>3</sup> /h-8.6m	21	2"	2"	8	400	50	3.2	2850	1.85	22
ACP462-31T	46.2m <sup>3</sup> /h-3.8m	30.5	2.5"	2"	8	400	50	6.4	2850	3.0	36
ACP486-37T	48.6m <sup>3</sup> /h-4.2m	36.7	2.5"	2"	8	400	50	8.8	2850	4.0	40

Model	Q m <sup>3</sup> /h	1.2	1.8	2.4	3.6	4.8	6	7.2	9	9.6	10.8	12	15	18	24	30	36	42	
ACP60-22S	Head (m)	19.6	18.6	17.6	14.7	10.8	5.5												
ACP61-29S		27.1	26.2	25.2	22.8	20	12.4												
ACP61-29T		29.4	28.9	28.3	26.4	23	18.6												
ACP104-29S			29.6	29.4	28.6	27.5	26	24.1	17.7	13.3									
ACP104-29T			28.3	28	27.2	26.3	25.1	23.1	17.4	13.5	5								
ACP109-35T			35.1	34.9	34.4	33.4	32	30.2	26.5	24.4	11.3								
ACP122-15S			16.8	16.4	15.6	14.7	13.8	13	11.6	11.1	10.1	9							
ACP122-15T			14.1	13.8	13.1	12.4	11.8	11.1	9.8	9.3	8.2	6.8							
ACP196-37T						36.4	35.9	35.1	34.3	32.7	32.2	30.8	29.3	24.1	17.3				
ACP209-43T						41.8	41.3	40.6	39.7	38.3	37.7	36.6	35.3	30.7	23.9				
ACP300-21S												20.1	19.8	19.2	18.2	15.5	11.7		
ACP300-21T												19.2	18.8	18	16.9	13.6	8.6		
ACP462-31T												29.6	29.4	28.7	27.8	25.5	22	17.4	11.3
ACP486-37T												35.8	35.6	34.9	33.9	31.3	27.6	22.6	15.9



For inquiries, service & spare parts