

Fristam

P U M P E N

CARIBA STANDARD CENTRIFUGAL PUMPS



SPIRAL CHANNEL FOR OPTIMUM EFFICIENCY

CARIBA standard centrifugal pumps in compliance with DIN 24255 are manufactured from AISI 304 chrome-nickel steel, which corresponds to 1.4301.

The manufacturing technique used consists of a new chrome-nickel steel deep drawing method specially developed for these pumps.

In developing this manufacturing process it was necessary to meet the demand for optimum engineering procedures, and also special require-

ments with regard to the hydraulic quality of the pumps.

Innovative skill and use of the latest manufacturing technologies made it possible to achieve the following results:

- a pump design in which the hydraulic advantages of a **spiral channel** are realised
- computer-monitored batch production which guarantees the high quality standard of this modern design.

APPLICATION EXAMPLES

Products

Cleaning solutions
Washing liquids
Pure water
Waste water
Oils
Condensates
Cooling water

Processes

Domestic water supply

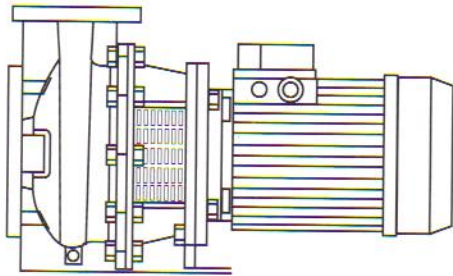
Feeding of heating,
sprinkler and
irrigation systems

Washing installations

DESIGN DATA AND MATERIAL SPECIFICATION

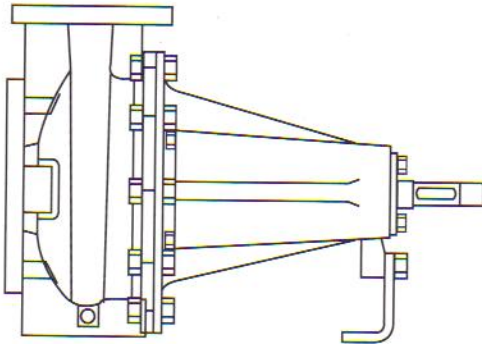
OPERATING PRESSURE	10 BAR
FLANGES	DIN 2532 PN 10
CASING	AISI 304 / 1.4301
COVER	AISI 304 / 1.4301
IMPELLER	AISI 304 / 1.4301
SHAFT	AISI 303 / 1.4305
BEARING BRACKET	GREY CAST IRON
PERFORMANCE TEST AS PER ISO 2548 CLASS C	

EXECUTION F



With flange block and standard IEC flange motor

EXECUTION L



With bearing block and bare shaft end or with base frame, coupling, coupling guard and standard IEC motor form B3

PERFORMANCE CHART

Typ	Motor kW n=3000	l/min m ³ /h	50	100	150	200	250	300	333	400	450	500	550	600	650	700	800	1000	1200	
			3	6	9	12	15	18	20	24	27	30	33	36	39	42	48	60	72	
FC 32-133	1.1	H = total delivery head in m WC	22.0	21.0	20.0	18.5														
FC 32-151	1.5		29.0	28.0	26.5	24.5	22.0	19.0	17.0											
FC 32-166	2.2		36.5	35.5	34.5	32.5	30.5	27.5	25.5											
FC 32-200	4.0		54.5	53.0	51.5	49.5	47.0	43.5	41.0											
FC 32-224	5.5		70.0	68.0	67.0	66.0	63.0	58.0												
FC 40-140	2.2				26.0	25.0	24.2	23.0	22.0	21.0	19.0	17.5	16.0	14.3	13.0					
FC 40-166	4.0				37.7	37.0	36.0	35.0	34.0	33.0	31.3	30.0	28.5	27.0	25.0					
FC 40-186	5.5				45.5	45.0	44.0	43.5	42.0	41.0	40.0	38.5	37.0	35.5	34.0					
FC 40-200	7.5				56.5	56.0	55.3	55.0	53.5	52.5	51.2	50.0	48.5	47.0	45.0					
FC 40-224	11.0				70.0	70.0	69.0	68.0	67.0	66.0	64.0	63.0	62.0	60.0	58.0					
FC 50-140	4.0								26.0	25.9	25.7	25.3	25.0	24.2	23.3	22.5	19.0	14.0		
FC 50-157	5.5								31.0	30.5	30.0	29.5	29.0	28.0	27.6	25.7	22.0	18.0		
FC 50-166	7.5								39.0	38.5	38.0	37.5	37.0	36.5	36.0	34.5	31.0	26.0		
FC 50-191	9.2										50.0	49.5	49.0	48.4	47.5	46.0	41.0	34.0		
FC 50-200	11.0										56.0	55.5	55.0	54.5	53.8	52.0	48.0	42.0		
FC 50-224	15.0										70.0	69.0	68.0	68.0	67.0	66.0	63.0	58.0		