

Fields of Application

CTN

For handling chemically aggressive liquids, also slightly contaminated or with a low solids content.

CTN pumps can be used in the chemical and petrochemical industry.

CTN-H

For handling liquids which can only be pumped when warm or hot

Design

Vertical, radially split shaft-driven sump pump with double volute casing, in wet or dry installation; radial impeller, single-flow, single- and double-stage. The shaft seal is not in contact with the pumped product.

Designation

	CTN - C 40 - 200
	-
Type series	
Material of wetted components —	
Discharge nozzle DN —	
Nominal impeller diameter in mm	

Operating Data

Capacities	Q	up to 220 l/s (800 m ³ /h)	
Heads	Н	up to 93 m	
Pump sizes	DN	25 to 250	
Operating pressures	p_2	up to 16 bar	
Operating temperatures	t	-70 °C to +300 °C	

Certification

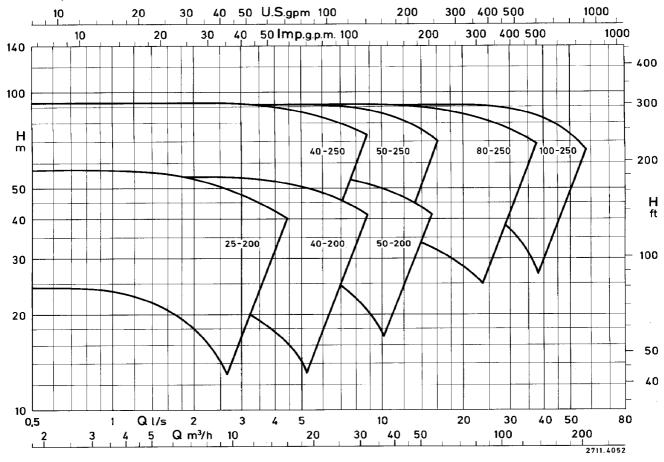
Certified quality management ISO 9001.

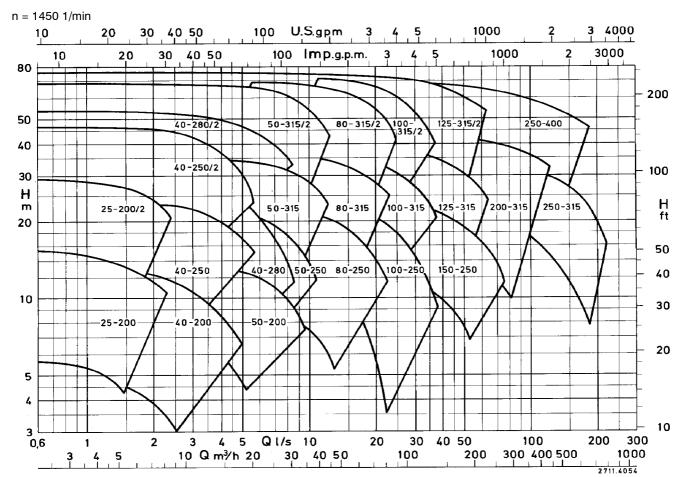




Selection Charts

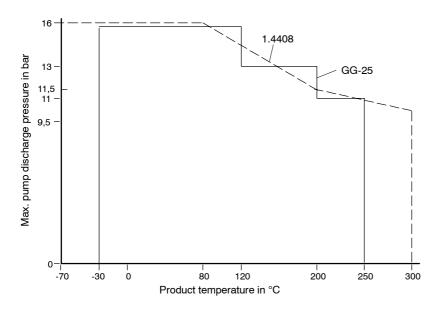








Pressure and Temperature Limits



Materials

Part No.	Description	CTN/CTN-H	
		Material G	Material C
102	Volute casing	JL1040 ⁵⁾	1.4408
108	Stage casing	JL1040 ⁵⁾	1.4408
153	Suction nozzle	JL1040 ⁵⁾	1.4408
162	Suction cover	JL1040 ⁵⁾	1.4408
210	Shaft	C45SH+S	1.4571SH
230	Impeller	JL1040 ⁵⁾	1.4408
341	Motor stool	JL1040 ⁵⁾	JL1040 ⁵⁾
344	Bearing bracket lantern	JL1040 ⁵⁾	JL1040 ⁵⁾
350.04	Guide bearing housing 3)	JL1040 ⁵⁾	1.4408
452.02	Gland cover	C22+N	1.4571
454.02	Stuffing box ring	1.4571	1.4571
458.02	Lantern ring	1.4571	1.4571
502.01 bis .04	Casing wear ring	JL1040 ⁵⁾	-
529.01/.03	Bearing sleeve	1.4122+QT750	1.4571
545.01/.03	Bearing bush	Carbon ⁴⁾	Carbon ⁴⁾
71-9.01/.02	Pipe assembly	JL1040 ^{2) 5)}	1.4571/1.4408
72-1	Flanged elbow	JL1040 ^{2) 5)}	1.4408 ²⁾
852	Threaded coupling	1.4021+QT750	1.4571
893.02	Soleplate	JL1040 ⁵⁾	JL1040 ⁵⁾
	Nuts and bolts	5.6	A4

¹⁾ if only one shaft is fitted: for larger installation depths the shaft assembly consists of pump shaft and drive shaft or of pump shaft, intermediate shaft(s) and drive shaft

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²⁾ on CTN-H: material variant G = St35; C = 1.4571
3) not applicable to CTN-H
4) standard version: other materials possible, depending on pumped liquid
5) to EN 1561

