

# GRUNDFOS®

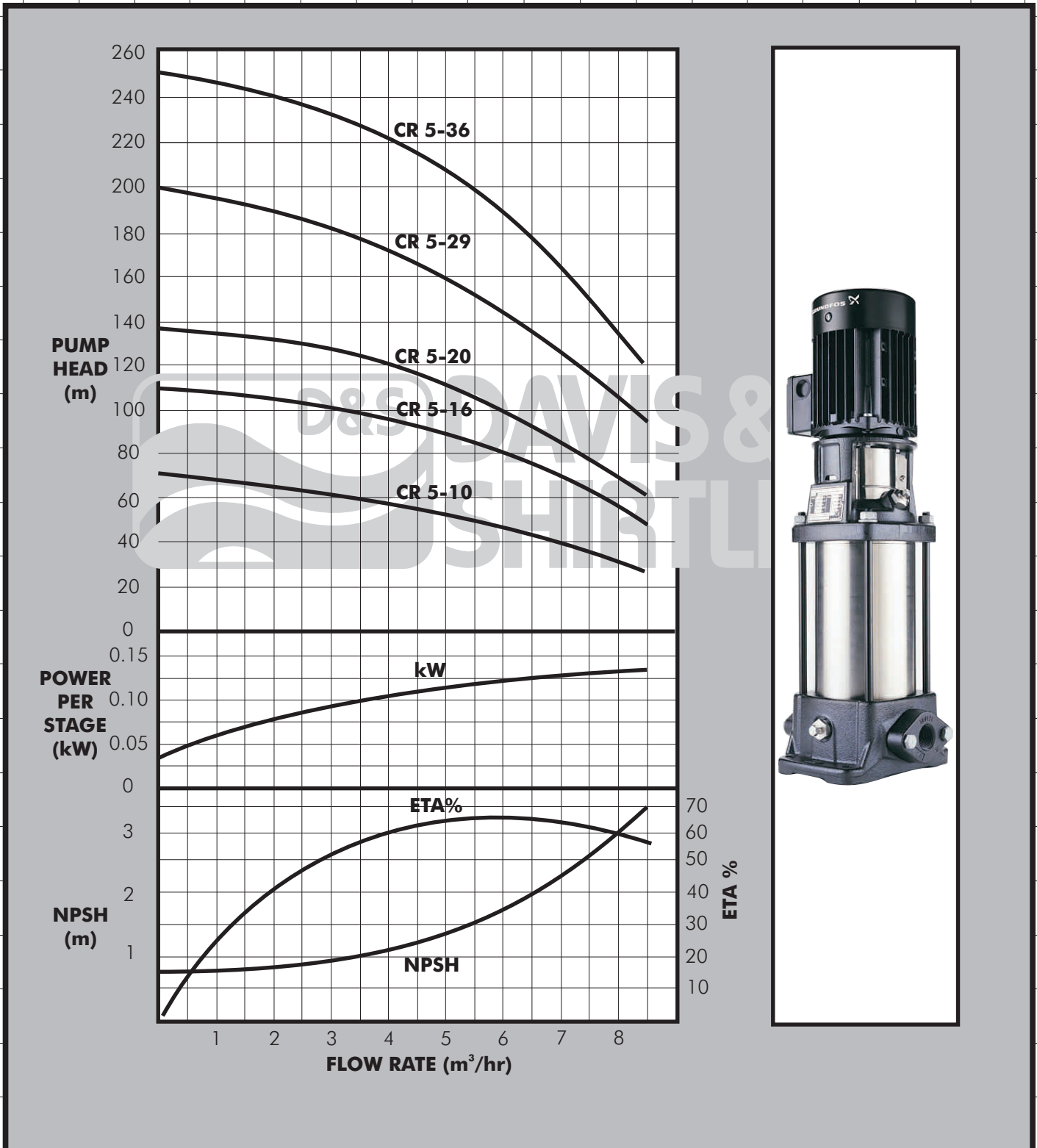
MADE IN DENMARK



## DATA SHEET

## Vertical Multistage Centrifugal Pumps

## CR 5



## PUMP

The GRUNDFOS CR pump range are of vertical multistage in-line centrifugal design suitable for a wide range of water supply, irrigation, liquid transfer and boosting applications. The pumps are of heavy duty construction and are designed for continuous duty in commercial and industrial installations. All vital components including the impellers, intermediate chambers and shaft are made from stainless steel and the top and bottom housings from cast iron. The pump is water lubricated and is provided with a tungsten carbide faced mechanical shaft seal.

For aggressive liquids the 'N' version is available which features stainless steel top and bottom pump housings.

## MOTOR

The Pumps are coupled to a totally enclosed fan cooled 2-pole GRUNDFOS motor complying with IEC and DIN standards. Single phase motors have built-in thermal overload switch/ though a standard remote starter is recommended. The three phase motors must be connected to an effective motor starter in accordance with local regulations.

**Enclosure Class:** IP55    **Insulation Class:** F    **Speed:** 2900rpm    **Voltage:** 3x380/415V

## OPERATING CONDITIONS

**Pumped liquids:** Thin, clean, non-aggressive and non-explosive liquids without solid particles or fibres.

**Liquid Temperature Range:** -20°C to +120°C

**Max Ambient Temperature:** +40°C

**Max Suction Lift:** According to the NPSH curve plus a safety margin of 1 m.

**Max Operating Pressure:** Models up to CR3-19 - 16 Bar, CR3-36-25Bar

## ELECTRICAL DATA

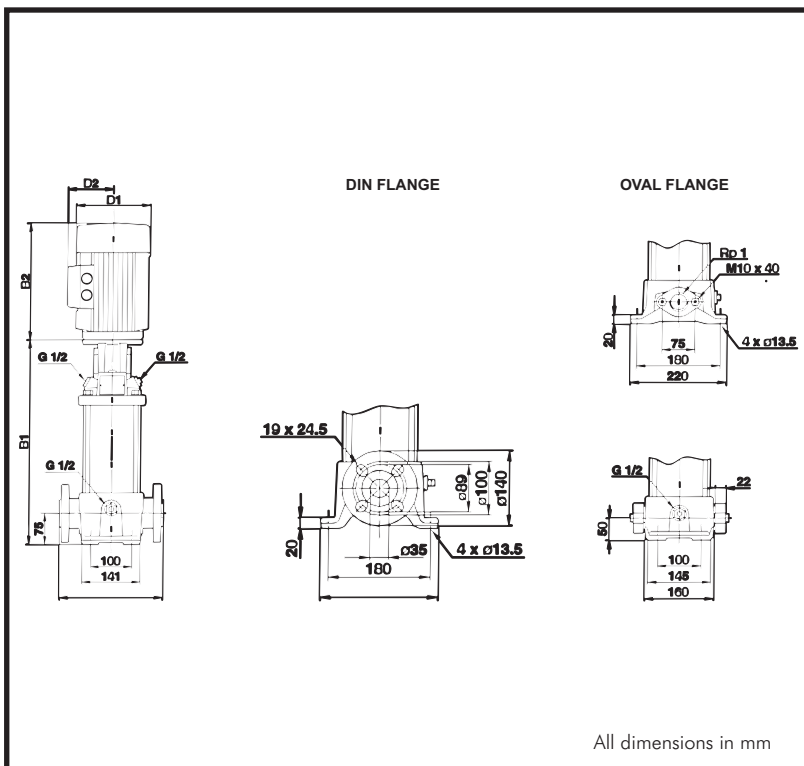
Model	Motor		Full Load Current (A) 3X415 V
	kW	HP	
CR 5-10	1.5	2.0	3.2
CR 5-16	2.2	3.0	4.5
CR 5-20	3.0	4.0	6.3
CR 5-29	4.0	5.5	8.0
CR 5-36	5.5	7.5	11.2

## DIMENSIONS AND WEIGHTS

Model	Dimensions (mm)				Net Weight (kg)
	B1	B1+B2	D1	D2	
CR 5-10*	517	798	178	110	39
CR 5-16*	679	1000	178	110	43
CR 5-20*	791	1126	198	120	50
CR 5-29**	1034	1406	220	134	66
CR 5-36**	1253	1644	220	134	84

\*With Oval flanges

\*\*With DIN flanges



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