

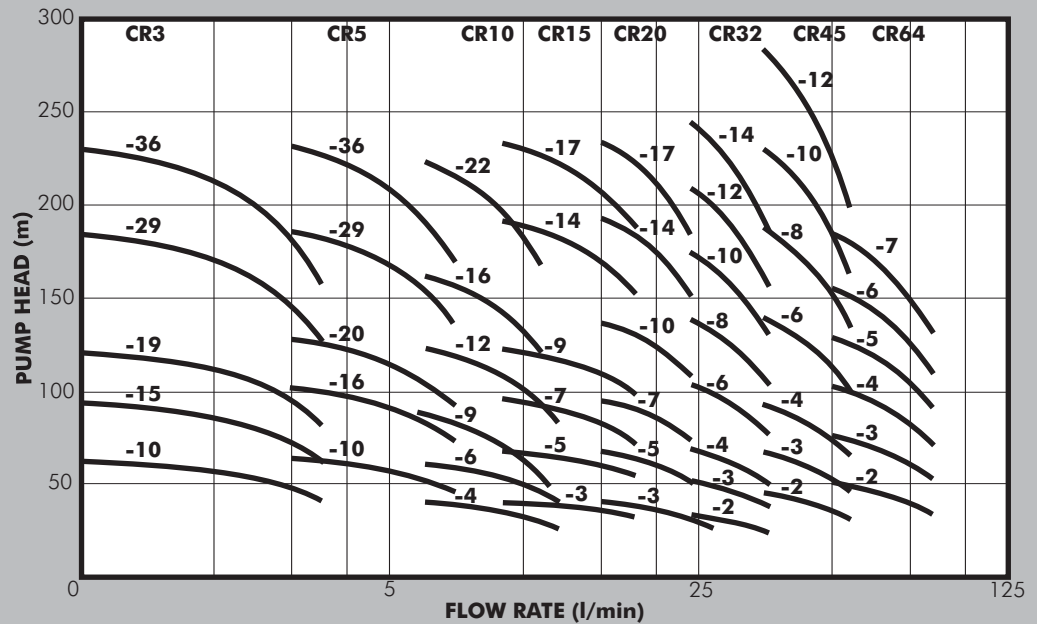
UPDATED

GRUNDFOS®



CR

Vertical Multistage Centrifugal Pumps



PUMP

The GRUNDFOS CR pump range are of vertical multistage in-line centrifugal design suitable for a wide variety 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

Pumps are coupled to totally enclosed fan cooled 2-pole IE3 GRUNDFOS motors which 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: +60°C

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

Max Operating Pressure: CR3/CR5/CR32 up to 30 Bar, CR10/CR15/CR20/CR64 up to 25 Bar, CR45 up to 33 Bar

PUMP DATA

Model	Motor		Full Load Current (A)	I _{Start} I	Dimensions(mm)					Weight (kg)
	kW	HP			B1	B1+B2	D1	D2	D3	
CR3-10*	0.75	1	2	6.2	411	642	141	109	-	28
CR3-15*	1.1	1.5	3	5	501	752	141	109	-	32
CR3-19*	1.5	2	3	6.6	589	870	178	110	-	41
CR3-29**	2.2	3	5	7.3	769	1090	178	110	-	46
CR3-36**	3	4	6	8.3	899	1234	198	120	-	55
CR5-10*	1.5	2	3	6.6	517	798	178	110	-	39
CR5-16*	2.2	3	5	7.3	679	1000	178	110	-	43
CR5-20*	3	4	6	8.3	791	1126	198	120	-	52
CR5-29**	4	5.5	8	9.1	1034	1406	220	134	-	66
CR5-36**	5.5	7.5	11	9.3	1253	1644	220	134	-	84
CR10-4*	1.5	2	3	6.6	423	704	178	110	-	43
CR10-6*	2.2	3	5	7.3	483	804	178	110	-	47
CR10-9*	3	4	6	8.3	578	913	198	120	-	54
CR10-12*	4	5.5	8	9.1	668	1040	220	134	-	67
CR10-16**	5.5	7.5	11	9.3	820	1211	220	134	300	92
CR10-22**	7.5	10	15	9.5	1000	1379	260	159	300	105

Model	Motor		Full Load Current (A)	$\frac{I_{Start}}{I}$	Dimensions(mm)					Weight (kg)
	kW	HP			B1	B1+B2	D1	D2	D3	
CR15-3*	3	4	6	8.3	465	800	198	120	-	54
CR15-5*	4	5.5	8	9.1	555	927	220	134	-	67
CR15-7*	5.5	7.5	11	9.3	677	1068	220	134	300	91
CR15-9**	7.5	10	15	9.5	767	1146	260	159	300	97
CR15-14**	11	15	22	7.7	1069	1540	314	204	352	157
CR15-17**	15	20	29	6.0	1024	1675	314	204	352	175
CR20-3*	4	5.5	8	9.1	465	837	220	134	-	64
CR20-5*	5.5	7.5	11	9.3	587	978	220	134	300	88
CR20-7*	7.5	10	15	9.5	677	1056	260	159	300	93
CR20-10**	11	15	22	7.7	889	1360	314	204	352	129
CR20-14**	15	20	29	6.0	1069	1540	314	204	352	150
CR20-17**	18.5	25	35	7.2	1204	1719	314	204	352	165
CR32-2	4	5.5	8	12.3	575	947	220	134	158	82
CR32-3	5.5	7.5	11	11.7	645	1036	220	134	300	96
CR32-4	7.5	10	15	11.1	715	1094	260	159	300	101
CR32-6	11	15	21	8.0	965	1436	314	204	350	142
CR32-8	15	20	27	7.0	1105	1576	314	204	350	169
CR32-10	18.5	25	32	7.0	1245	1760	314	204	350	183
CR32-12	22	30	39	7.2	1385	1926	314	204	350	276
CR32-14	30	40	53	7.0	1525	2136	396	315	400	332
CR45-2	7.5	10	15	11.1	639	1018	260	159	300	106
CR45-3	11	15	21	8.0	829	1300	314	204	350	144
CR45-4	15	20	27	7.0	909	1380	314	204	350	166
CR45-6	22	30	39	7.2	1069	1610	314	204	350	269
CR45-8	30	40	53	7.0	1229	1840	396	315	400	328
CR45-10	37	50	64	7.2	1389	2025	396	315	400	367
CR45-12	45	60	77	7.3	1549	2257	439	338	450	455
CR64-2	11	15	22	7.7	754	1225	314	204	350	158
CR64-3**	18.5	25	32	7.0	836	1351	314	204	350	205
CR64-4	22	30	39	7.2	919	1460	314	204	350	262
CR64-5	30	40	53	7.0	1001	1612	396	315	400	345
CR64-6	37	50	64	7.2	1084	1720	396	315	400	370
CR64-7	45	60	77	7.3	1166	1874	439	338	450	438

* with oval flanges
** with DIN flanges

