

RN PUMP RANGE

HORIZONTAL END SUCTION, **MECHANICALLY SEALED**, CENTRIFUGAL PUMPS



-  CAPACITY <300 M³/HR
-  HEAD <100 Metres
-  BUILT TO EN733
-  CAST IRON CONSTRUCTION
-  LONG OR CLOSED COUPLED
-  ATEX CERTIFIED

Part of the
CAST IRON
Pump Range



RN



TS

RN OVERVIEW

The RN pump range are single stage centrifugal pumps suitable for clean liquids, without abrasives but can handle solids content <0.2% concentration. Uniquely, the RN cast iron range can be ATEX certified for hazardous environments.

With its robust design, the main focus of the RN range is to increase user profitability with downtime reduced and production increased thanks to the high efficiency design, which requires very little maintenance. Nominal duty points and performances are in accordance with EN733.

SUITABILITY

Crest Pumps RN cast iron centrifugal pump have been specifically designed to support high flow rates, pressures and temperatures. The cast iron range is most suited to work optimally within the water supply, heating, air conditioning, cooling and circulation plant formats as well as fire fighting and irrigation. As an assurance to your business we offer, as standard, 18 months warranty on all RN cast iron pumps.

APPLICATIONS

As standard, the RN range are suitable for water applications <90°C, but special seals and gaskets are available for suitability <140°C in continuous duty and a maximum working pressure of 10 bar.



**18 MONTHS
WARRANTY**



**ATEX ZONE 1/2
CERTIFIED**



**ENERGY
SAVING**



EN733



**NO OBSOLETE
PARTS POLICY**

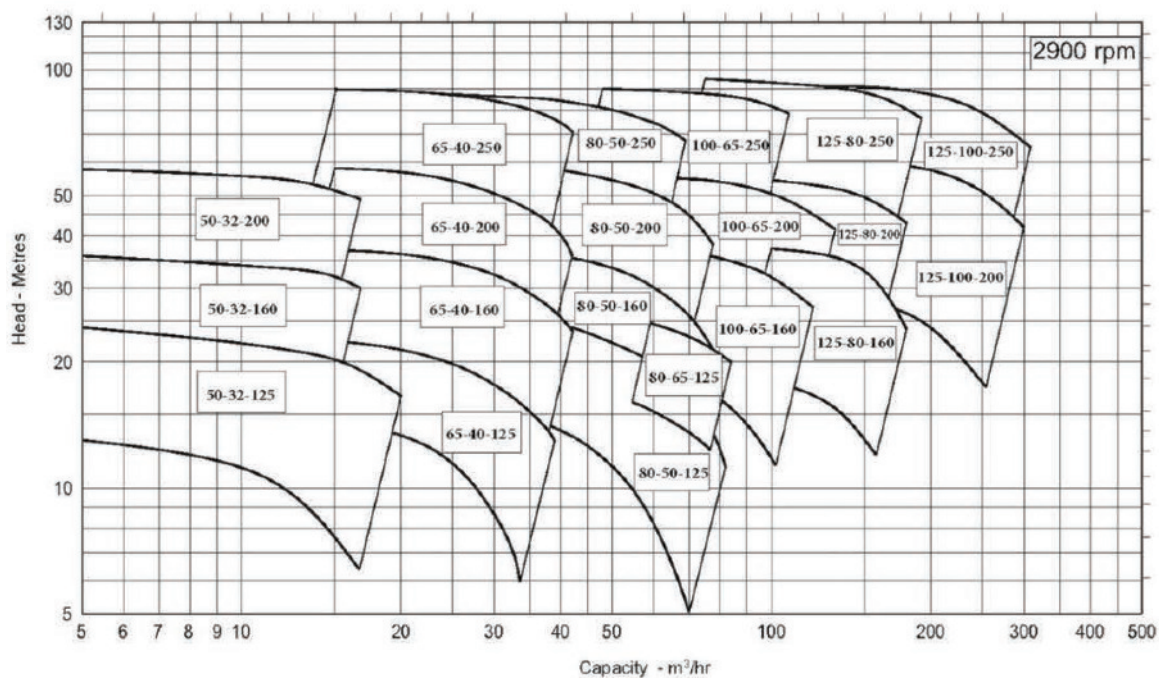


**80% OPERATING
EFFICIENCY**

RN PUMP RANGE

HORIZONTAL END SUCTION, **MECHANICALLY SEALED**, CENTRIFUGAL PUMPS

PUMP RANGE CURVES



CAST IRON CENTRIFUGAL PUMPS

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RN PUMP RANGE

HORIZONTAL END SUCTION, **MECHANICALLY SEALED**, CENTRIFUGAL PUMPS

TECHNICAL SPECIFICATIONS

MODEL	SUCTION / DISCHARGE (mm*mm)	SPEED (rpm)	RATED CAPACITY (m ³ /hr)	RATED HEAD (m)	MAX CAPACITY (m ³ /hr)	MAX HEAD (m)	MOTOR OUTPUT (Kw)	BEST EFFICIENCY (%)
50-32-125	50*32	2900	16	20	25	24	1.5	72
50-32-160	50*32	2900	18	28	27	35	2.2	74
50-32-200	50*32	2900	12	53	18	58	5.5	54
65-40-125	65*40	2900	27	19	40	22	2.2	75
65-40-160	65*40	2900	35	30	45	35	4	72
65-40-200	65*40	2900	32	50	40	55	7.5	64
65-40-250	65*40	2900	36	80	42	90	15	57
65-50-125	65*50	2900	56	21	80	27	4	76
65-50-160	65*50	2900	54	32	80	37	7.5	72
65-50-200	65*50	2900	60	50	80	60	15	72
65-50-250	65*50	2900	58	70	65	80	18.5	62
80-65-125	80*65	2900	82	20	95	27	7.5	73
80-65-160	80*65	2900	100	33	120	40	11	74
80-65-200	80*65	2900	116	46	130	58	22	73
80-65-250	80*65	2900	80	86	110	90	37	68
80-65-315	80*65	1450	70	30	85	35	9.2	69
100-80-160	100*80	2900	140	34	180	40	18.5	76
100-80-200	100*80	2900	150	48	180	56	30	71
100-80-250	100*80	2900	170	84	180	96	45	77
100-80-315	100*80	2900	96	33	140	38	15	72
125-80-400	125*80	1450	88	53	135	62	30	60
125-100-200	125*100	2900	240	52	300	62	45	80
125-100-250	125*100	2900	260	77	300	90	75	71
125-100-315	125*100	1450	154	31	200	35	18.5	77
125-100-400	125*100	1450	168	49	190	57	37	71
150-125-250	150*125	1450	220	18	300	22	15	80
150-125-315	150*125	1450	240	31	330	36	30	80
150-125-400	150*125	1450	240	53	330	60	45	76
200-150-315	200*150	1450	340	30	450	35	45	82
200-150-400	200*150	1450	370	49	500	60	75	78

RN PUMP RANGE

HORIZONTAL END SUCTION, **MECHANICALLY SEALED**, CENTRIFUGAL PUMPS

CHC/L PUMP INSTALLATION OPTIONS



RN - Long Coupled

Bareshaft or on base plate. Grease lubricated ball bearings. Motor coupled by flexible coupling.

RN - Lantern Coupled

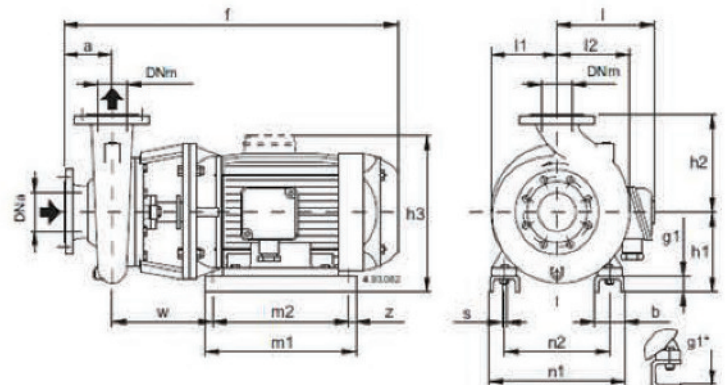
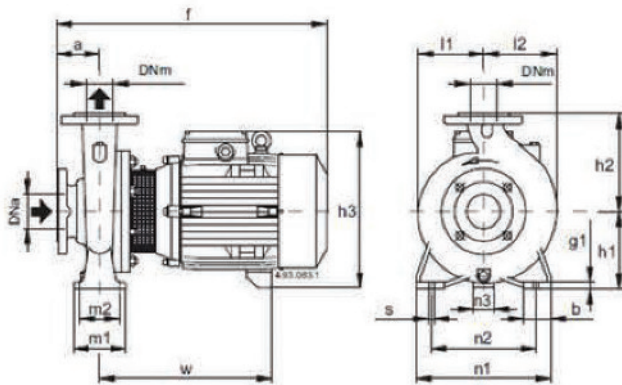
Identical to CHL type, but with more compact and cost effective lantern bracketing.



RN - Close Coupled

Close coupled with extended motor shaft.

DIMENSIONS (RN)



** please see next page for Dimensions Table

RN PUMP RANGE

DIMENSIONS TABLE

For specific 3D CAD drawings or specific pump dimensions, please contact us at:
info@crestpumps.co.uk
or telephone +44 (0)1425 627700.

NOTE:

1. The total length and weight of the pump will differ depending on the brand of the motor.
2. All dimensions are in mm.
3. Assembly tolerances are +/- 3mm.

Fg	PUMP SIZE CHC	DIMENSIONS (mm)																			Weight (kg)	
		DNa	DNm	a	f	h1	h2	h3	m1	m2	n1	n2	n3	z	b	s	l	l1	l2	w		g1
1	RN32/125SE-AE-DE-FE	50	32	80	405	112	140	240	100	70	190	140	37	"	50	14	"	93	97	245	12	27.25-24.24
	RN32/160AE-BE	50	32	80	410	132	160	260	100	70	240	190	47	"	50	14	"	120	120	250	12	36-34
	RN32/200DE	50	32	80	410	160	180	288	100	70	240	190	62	"	50	14	"	140	140	250	12	39
	RN32/200CE				475							60	60							295	49	
	RN32/200AE				475							60	60							295	52	
	RN40/125A/A-C/A-F/A	65	40	80	410	112	140	240	100	70	210	160	37	"	50	14	"	100	113	250	12	31.29-27
	RN40/160C/A	65	40	80	410	132	160	260	100	70	240	190	47	"	50	14	"	119	119	250	12	36
	RN40/160B/A				475							45	45							295	45	
	RN40/160A/A				475							45	45							295	49	
	RN40/200CE-DE	65	40	100	495	160	180	288	100	70	265	212	60	40	"	50	14	"	140	140	295	15
RN40/2--AE-ARE-BE				525			320					49								320		72.65-65
RN40/250B/A-C/A	65	40	100	640	180	225	365	100	95	320	250	50	50	"	65	14	"	175	175	410	12	116-110
RN40/250A/A				690																460		133
RN50/125F/A	65	50	100	430	132	160	260	125	70	240	190	47	47	"	50	14	"	121	137	250	14	38
RN50/125D/A				495								45	45							295		47
RN50/125A/A-S/A				495								45	45							295		51-51
RN50/160A/A-B/A	65	50	100	525	160	180	320	100	70	265	212	49	49	"	50	14	"	127	141	320	15	70-64
RN50/200A/A-B/A	65	50	100	640	160	200	345	100	70	265	212	40	40	"	50	14	"	140	153	410	15	106-100
RN50/2055/A				695																460		112
RN50/250C/A	65	50	100	645	180	225	365	100	95	320	250	40	40	"	65	14	"	175	175	415	15	126
RN50/250B/A				695																465		132
RN50/250A/A				720																465		147
RN65/125EE	80	65	100	495	160	180	288	125	95	280	212	50	50	"	65	14	"	134	156	295	15	55
RN65/125AE-CE				525			320													320		73-67
RN65/160DE-EE	80	65	100	525	160	200	320	125	95	280	212	60	60	"	65	14	"	150	172	320	15	75-70
RN65/160BE-CE				640			345					49	49							410		106-100
RN65/160AE				690			345													460		121
RN65/200CE	80	65	100	690	180	225	365	125	95	320	250	50	50	"	65	14	"	155	175	460	42	127
RN65/200BE				715																		139
RN65/200AE	80	65	100	825	202	225	408	125	360	344	254	"	"	20	90	14	"	155	175	245	42	164
RN65/250BE-CE	80	65	100	825	202	250	408	400	360	344	254	"	"	20	90	14	"	175	190	245	15	195-174
RN65/250AE				945				475	425	408	318			25	90	18	290		263			299
RN80/160EE	100	80	125	545	180	225	340	125	95	320	250	60	60	"	65	14	"	165	193	320	42	83
RN80/160CE-DE				670			365					50	50							415		113-108
RN80/160BE				720			365					50	50							465		130
RN80/160AE				745			365					50	50							465		144
RN80/200AE-BE	100	80	125	850	202	250	408	400	360	344	254	"	"	20	90	14	"	170	194	245	42	194-173
RN80/250DE-EE	100	80	125	850	202	280	408	400	360	344	254	"	"	20	90	14	"	191	210	245	42	203-182
RN80/250AE-BE-CE				970				475	425	408	318			25	90	18	290		263		45	377-361-331
RN100/200EE	125	100	125	800	192	280	377	298	258	262	216	"	"	20	69	12	"	180	212	239	6*	173
RN100/200CE-DE				850	202		408	400	360	344	254			20	90	14	254			245	42	195-174
RN100/200AE-BE				970				475	425	408	318			25	90	18	290		263		45	355-323
RN100/250BE	125	100	125	980	245	280	"	475	425	408	318	"	"	25	90	18	290	205	299	263	45	386
RN100/250AE				1050	275			480	430	460	356				104		330		305		50	498

CHC/L PUMP RANGE



HORIZONTAL END SUCTION, **MECHANICALLY SEALED**, CENTRIFUGAL PUMPS

CASE STUDY - BAIRDS MALT

"Crest Pumps were recommended to Bairds Malt for faultless service"



As part of the distillation process, Bairds Malt required a duty of 150m³/hr flow rate and a head of 32.5 meters. Crest Pumps were recommended to Baird Malts by another well known brewery due to our "faultless service".

Crest Pumps delivered the RN 125-100-200 ahead of schedule. We continue to help other distilleries across the country with their distillation process.



CREST CAST IRON MECHANICAL SEAL CHC/L PUMPS - UTILISED BY



RN APPLICATIONS



**NON-AGGRESSIVE
INDUSTRIAL LIQUIDS**



WATER SUPPLY



HEATING



AIR CONDITIONING



**COOLING AND
CIRCULATION PLANTS**



CIVIL AND INDUSTRIAL



FIRE FIGHTING PLANTS

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