



Centrifugal Sanitary Pumps

CR series

Standard design

Centrifugal pumps incorporating a special auger type screw shaped impeller, which is ideal for the gentle handling of very delicate fluids and large soft solids in suspension.

Wetted parts in investment cast CF-3M 1.4404 / AISI 316L stainless steel, electro-chemically polished to ensure the perfect surface finish.

Separate IEC standard motor.
Stainless steel shroud and adjustable feet on request.

Flow rates range from 0 to 150 m³ /h, heads up to 20 m (2 bar).

The clamp casing and seal design allows quick disassembly for inspection, cleaning and maintenance. It also enables the delivery port to be rotated to any position for easy installation.

Seals:

Mechanical seals seats to EN 12756, ISO 3069 standards.
Single internal mechanical seal
Single external mechanical seal
Double flushed mechanical seal

Elastomers (certified to FDA):

EPDM
Fluorocarbon (Viton)
Silicone
P.T.F.E. (FEP)

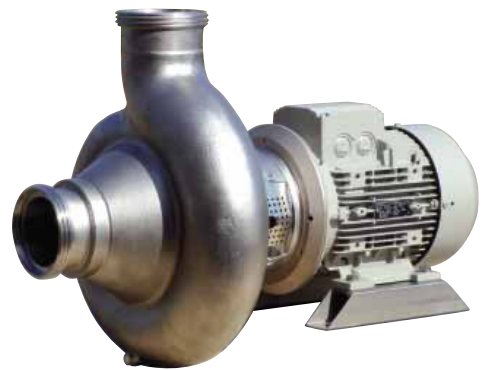
Connections:

DIN - SMS - IDF - BS / RJT - DS - CLAMP and EN 1092-1
PN16 flanges to suit most international standards.

Applications

Delicate handling without clogging.
The CR Series has been designed for very gentle handling of sensitive media at extremely low flow velocities. The screw shape impeller combines the properties of a centrifugal pump with the delicate characteristics of a positive displacement pump. The ability to handle high solids products in an extremely gentle way makes CR Series pumps ideal for food processing.

- Fruit and vegetable handling
- Soups and sauces
- Cereals
- Fish transportation
- Food pastes
- Oil
- Wine recirculation



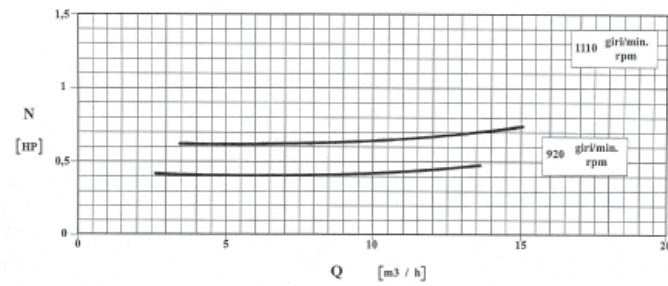
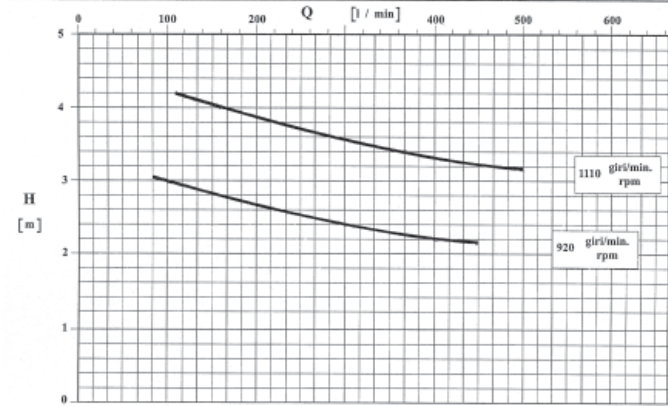
CR pump



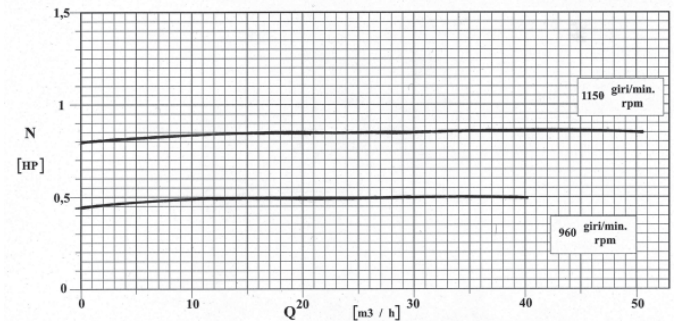
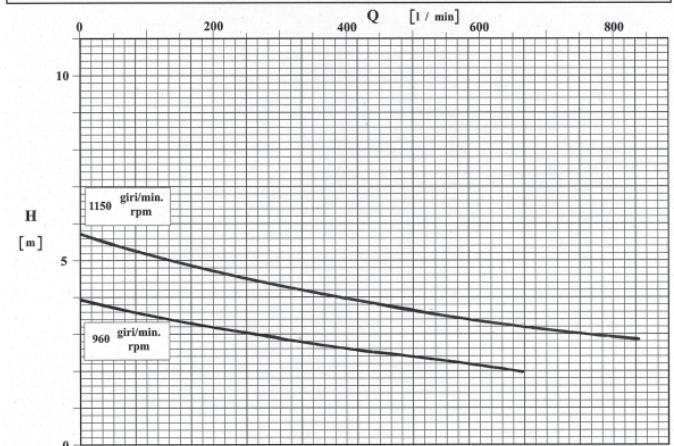
CR pump with shroud

GENERAL DIAGRAMS

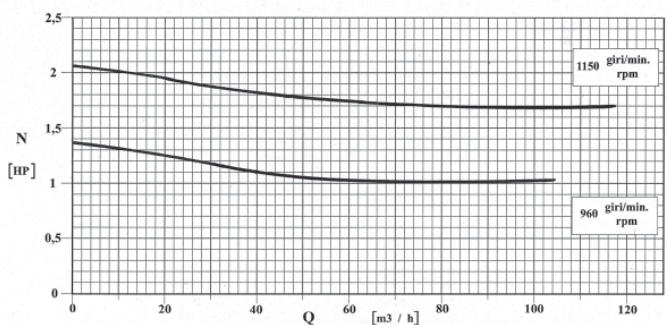
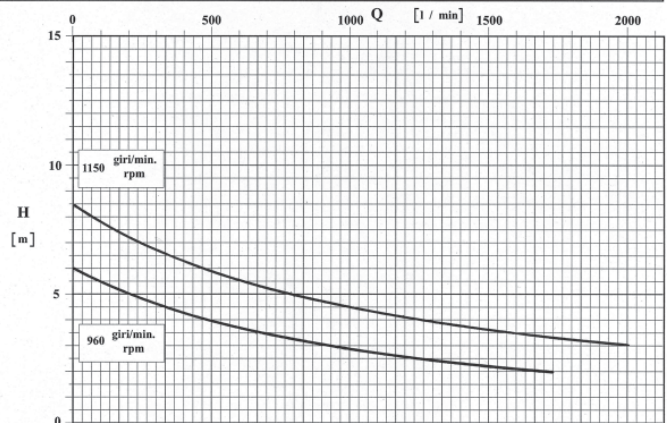
POMPA TIPO <i>Pump type</i>		CR 65			n 920/1110 giri / min <i>r. p. m.</i>	
GIRANTE — <i>Impeller</i>						
TIPO <i>Type</i>	N° di pale <i>n° of vanes</i>	Pass. sferico <i>max. sphere</i>	Ø max <i>max. diameter</i>	Ø min <i>min. diameter</i>	Bocche tipo <i>Ports type</i>	Bocca aspir. <i>Suction port</i>
APERTA	1 Elica	33 mm	156 mm	— mm	DIN 11851	DN 65
Bocca mand. <i>Discharge port</i>						DN 65
CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm³) <i>Curves show performance with clear water at 70°F - Specific gravity 1 (kg/dm³)</i>						



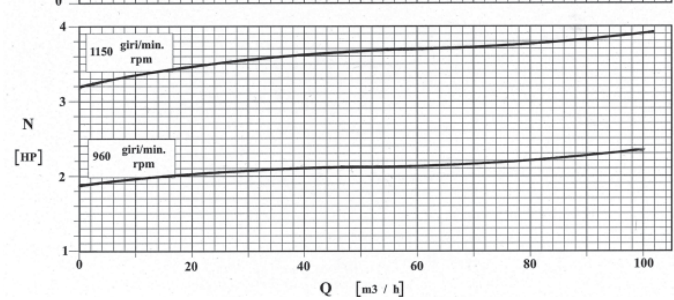
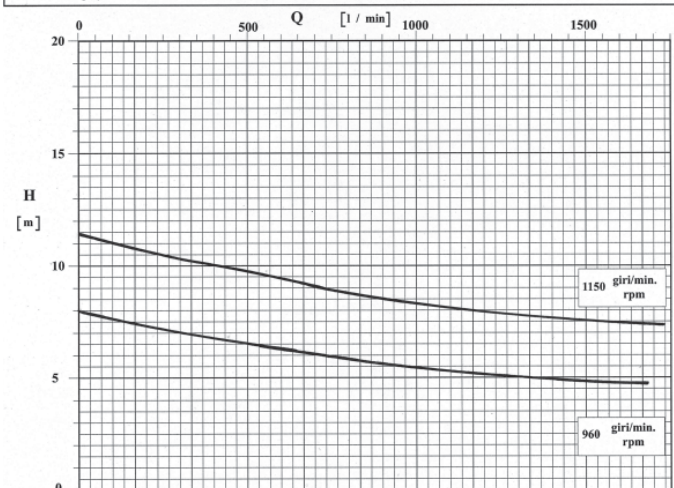
POMPA TIPO <i>Pump type</i>		CR 80			n 960/1150 giri / min <i>r. p. m.</i>	
GIRANTE — <i>Impeller</i>						
TIPO <i>Type</i>	N° di pale <i>n° of vanes</i>	Pass. sferico <i>max. sphere</i>	Ø max <i>max. diameter</i>	Ø min <i>min. diameter</i>	Bocche tipo <i>Ports type</i>	Bocca aspir. <i>Suction port</i>
APERTA	1 Elica	45 mm	178 mm	— mm	DIN 11851	DN 80
Bocca mand. <i>Discharge port</i>						DN 80
CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm³) <i>Curves show performance with clear water at 70°F - Specific gravity 1 (kg/dm³)</i>						



POMPA TIPO <i>Pump type</i>		CR 100			n 960/1150 giri / min <i>r. p. m.</i>	
GIRANTE — <i>Impeller</i>						
TIPO <i>Type</i>	N° di pale <i>n° of vanes</i>	Pass. sferico <i>max. sphere</i>	Ø max <i>max. diameter</i>	Ø min <i>min. diameter</i>	Bocche tipo <i>Ports type</i>	Bocca aspir. <i>Suction port</i>
APERTA	1 Elica	58 mm	210 mm	— mm	DIN 11851	DN 100
Bocca mand. <i>Discharge port</i>						DN 100
CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm³) <i>Curves show performance with clear water at 70°F - Specific gravity 1 (kg/dm³)</i>						

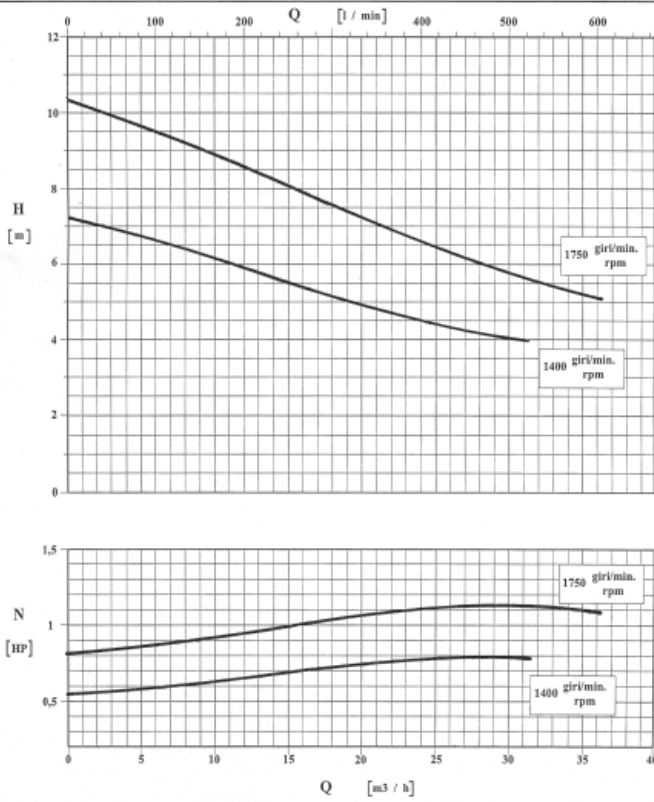


POMPA TIPO <i>Pump type</i>		CR 125			n 960/1150 giri / min <i>r. p. m.</i>	
GIRANTE — <i>Impeller</i>						
TIPO <i>Type</i>	N° di pale <i>n° of vanes</i>	Pass. sferico <i>max. sphere</i>	Ø max <i>max. diameter</i>	Ø min <i>min. diameter</i>	Bocche tipo <i>Ports type</i>	Bocca aspir. <i>Suction port</i>
APERTA	1 Elica	63 mm	260 mm	— mm	DIN 11851	DN 125
Bocca mand. <i>Discharge port</i>						DN 125
CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm³) <i>Curves show performance with clear water at 70°F - Specific gravity 1 (kg/dm³)</i>						

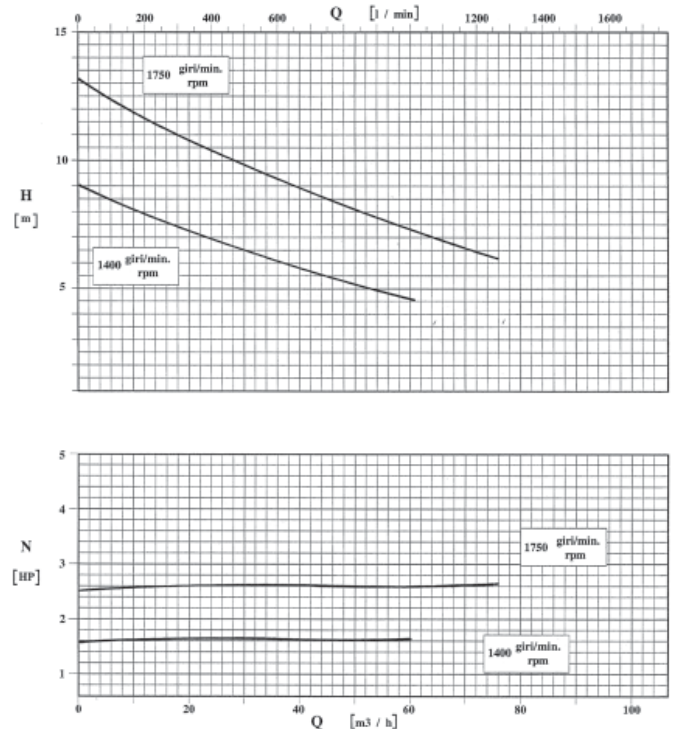


GENERAL DIAGRAMS

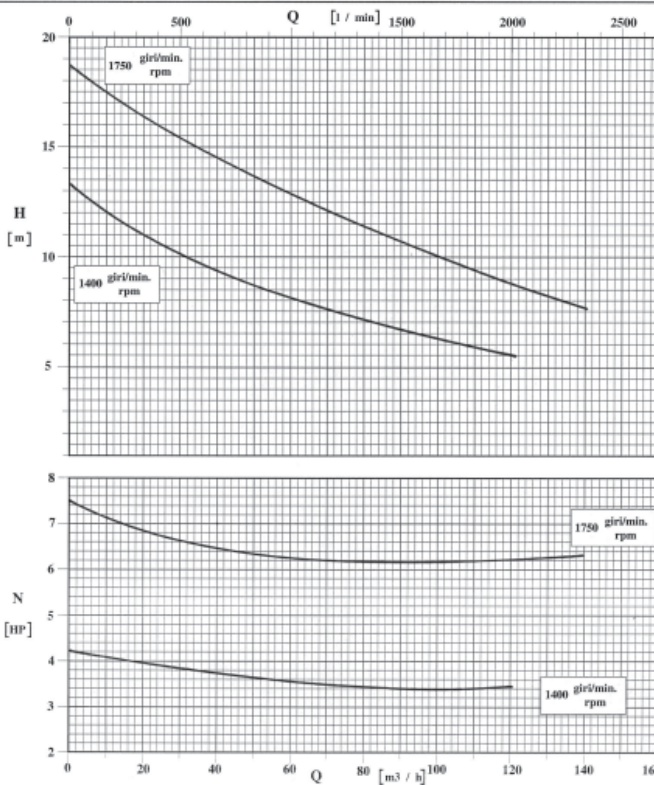
POMPA TIPO Pump type		CR 65			n 1400/1750 giri / min r. p. m.	
GIRANTE — Impeller						
TIPO Type	N° di pale n° of vanes	Pass. sferico max. sphere	Ø max max. diameter	Ø min min. diameter	Bocche tipo Ports type	Bocca aspir. Suction port DN 65
APERTA	1 Elica	33 mm	156 mm	— mm	DIN 11851	Bocca mand. Discharge port DN 65
CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm ³) Curves show performance with clear water at 20°F - Specific gravity 1 (kg/dm ³)						



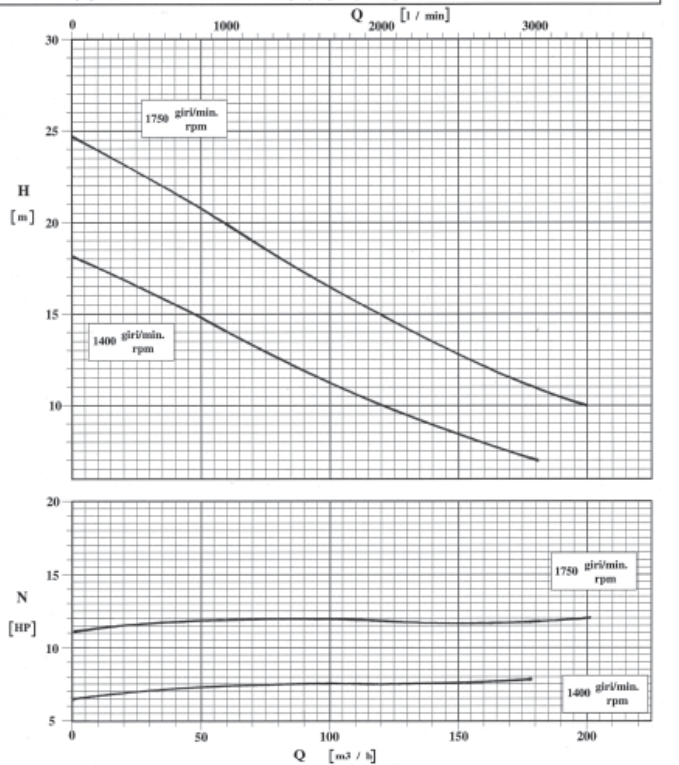
POMPA TIPO Pump type		CR 80			n 1450/1750 giri / min r. p. m.	
GIRANTE — Impeller						
TIPO Type	N° di pale n° of vanes	Pass. sferico max. sphere	Ø max max. diameter	Ø min min. diameter	Bocche tipo Ports type	Bocca aspir. Suction port DN 80
APERTA	1 Elica	45 mm	178 mm	— mm	DIN 11851	Bocca mand. Discharge port DN 80
CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm ³) Curves show performance with clear water at 70°F - Specific gravity 1 (kg/dm ³)						



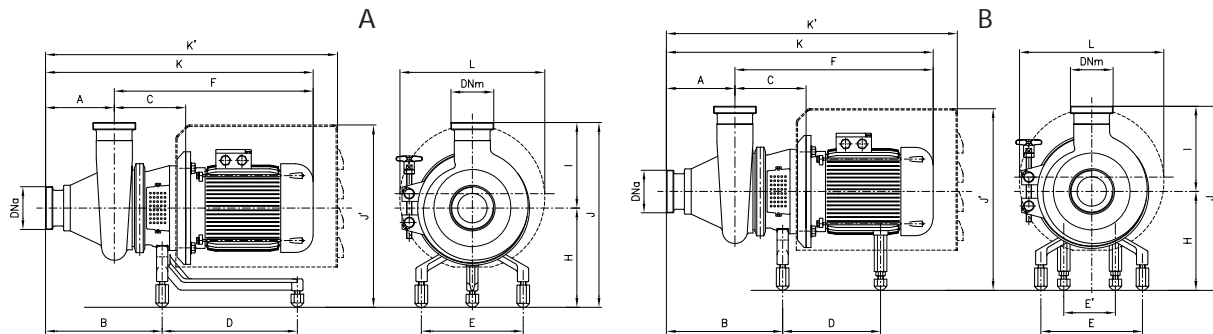
POMPA TIPO Pump type		CR 100			n 1450/1750 giri / min r. p. m.	
GIRANTE — Impeller						
TIPO Type	N° di pale n° of vanes	Pass. sferico max. sphere	Ø max max. diameter	Ø min min. diameter	Bocche tipo Ports type	Bocca aspir. Suction port DN 100
APERTA	1 Elica	58 mm	210 mm	— mm	DIN 11851	Bocca mand. Discharge port DN 100
CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm ³) Curves show performance with clear water at 70°F - Specific gravity 1 (kg/dm ³)						



POMPA TIPO Pump type		CR 125			n 1450/1750 giri / min r. p. m.	
GIRANTE — Impeller						
TIPO Type	N° di pale n° of vanes	Pass. sferico max. sphere	Ø max max. diameter	Ø min min. diameter	Bocche tipo Ports type	Bocca aspir. Suction port DN 125
APERTA	1 Elica	63 mm	260 mm	— mm	DIN 11851	Bocca mand. Discharge port DN 125
CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm ³) Curves show performance with clear water at 70°F - Specific gravity 1 (kg/dm ³)						



OVERALL DIMENSIONS



A = motors from 0,55 kW to 4 kW

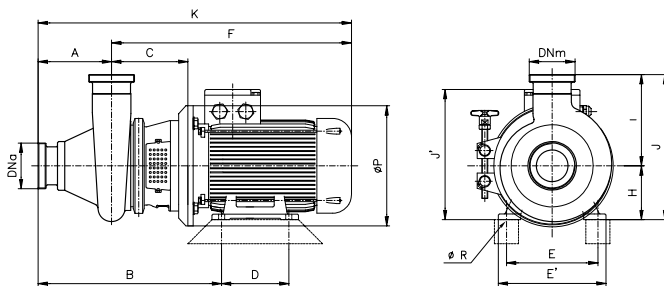
Dimensions not binding - DN = DIN 11851 male threaded connections, with standard IEC/EN motors

Pumps	kW	DNa	DNm	A	B	C	D	E	E'	F	H	K	K'	I	J	J'	L
rpm																	
CR 65	0,55	65	65	151	257	158	230	225	-	392	208	543	657	190	398	374	302
	0,75											588					
	1,1											437					
	1,5											452					
CR 80	1,1	80	80	181	297	168	300	225	-	508	230	632	767	245	458	379	302
	1,5											690			475	398	
	2,2											690			475	398	
	3											690			475	398	
CR 100	2,2	100	100	205	337	202	300	225	-	536	238	741	824	296	534	534	302
	3											741					
	3											741					
	4											741					

B = motors from 5,5 kW to 22

Dimensions not binding - DN = DIN 11851 male threaded connections, with standard IEC/EN motors

Pumps	kW	DNa	DNm	A	B	C	D	E	E'	F	H	K	K'	I	J	J'	L											
rpm																												
CR 100	5,5	100	100	205	325	204	333	225	115	576	238	784	848	294	526	456	370											
	7,5																	326	249	453	140	727	247	932	1105	532	528	360
	11																	230	317	115	604	238	836	900	584	455	471	
	15																	270	434	140	748	247	980	1035	593	504		
CR 125	5,5	125	125	232	370	270	437	225	115	604	238	836	900	346	584	455	471											
	7,5																	270	434	140	748	247	980	1035	593	504		
	11																	270	434	140	748	247	980	1035	593	504		
	15																	270	434	140	748	247	980	1035	593	504		
CR 125	18,5	125	125	232	370	270	437	225	279	830	247	1062	1268	346	593	579	471											
	22											1062																
	22											1062																
	22											1062																



Dimensions not binding - DN = DIN 11851 male threaded connections, with standard IEC/EN motors

Pumps	kW	DNa	DNm	A	B	C	D	E	E'	F	H	K	I	J	J'	ØP	ØR										
rpm																											
CR 65	0,55	65	65	151	360	158	100	125	150	392	80	543	190	270	200	200	10										
	0,75				362													140	165	437	90	588	280	218			
	1,1				406													125	140	165	452	90	632	335	218	200	10
CR 80	1,1	80	80	181	413	168	140	160	196	481	100	663	245	345	235	250	12										
	1,5																	190	226	502	112	684	357	260			
	2,2																	190	240	515	112	720	406	331	250	12	
	3																	190	240	515	112	720	406	331	250	12	
CR 100	3	100	100	205	477	202	140	190	240	515	112	720	294	406	331	250	12										
	4																	190	240	515	112	720	406	331	250	12	
	5,5																	190	240	515	112	720	406	331	250	12	
	7,5																	190	240	515	112	720	406	331	250	12	
CR 100	11	100	100	205	497	257	210	190	240	734	160	937	294	454	357	350	15										
	15																	210	190	240	734	160	937	454	357	350	15
	5,5																	210	190	240	734	160	937	454	357	350	15
	7,5																	210	190	240	734	160	937	454	357	350	15
CR 125	11	125	125	232	550	230	140	216	256	604	132	836	346	478	404	300	12										
	15																	216	256	604	132	836	478	404	300	12	
	18,5																	216	256	604	132	836	478	404	300	12	
	22																	216	256	604	132	836	478	404	300	12	
CR 125	5,5	125	125	232	610	270	210	254	300	748	160	980	346	506	432	350	15										
	7,5																	210	254	300	748	160	980	506	432	350	15
	11																	210	254	300	748	160	980	506	432	350	15
	15																	210	254	300	748	160	980	506	432	350	15
CR 125	18,5	125	125	232	623	270	241	279	340	830	180	1062	346	526	499	350	15										
	22																	241	279	340	830	180	1062	526	499	350	15
	22																	241	279	340	830	180	1062	526	499	350	15
	22																	241	279	340	830	180	1062	526	499	350	15




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