



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.



CR pump



CR pump with shroud

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.

Seals:

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

Elastomers (FDA):

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

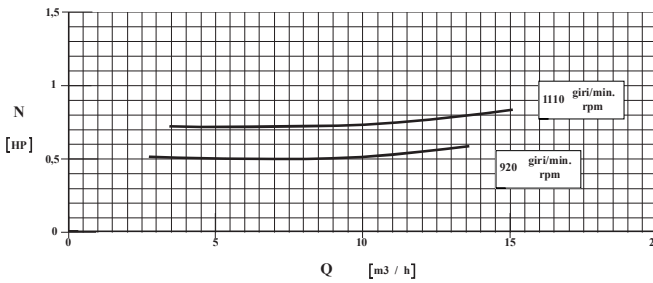
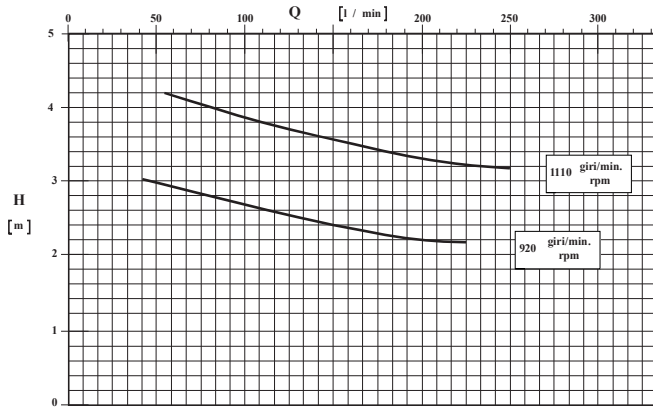
Connections:

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

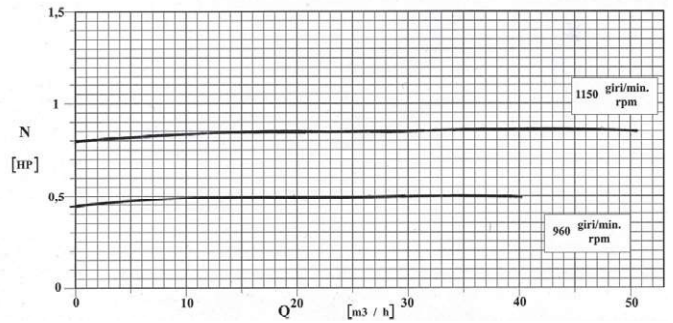
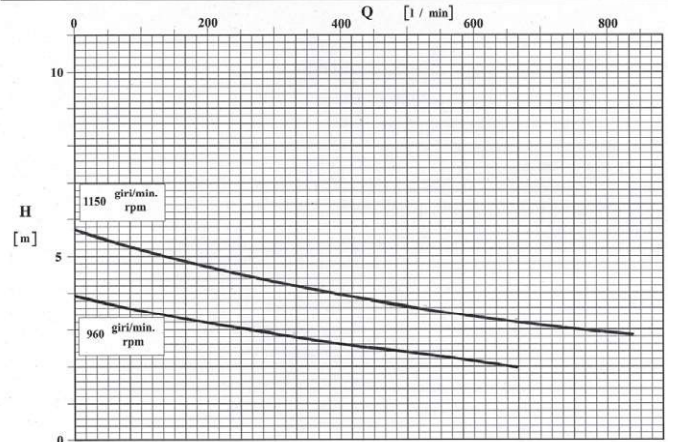


GENERAL DIAGRAMS

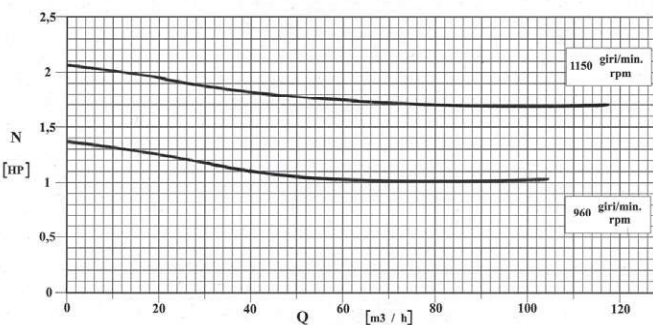
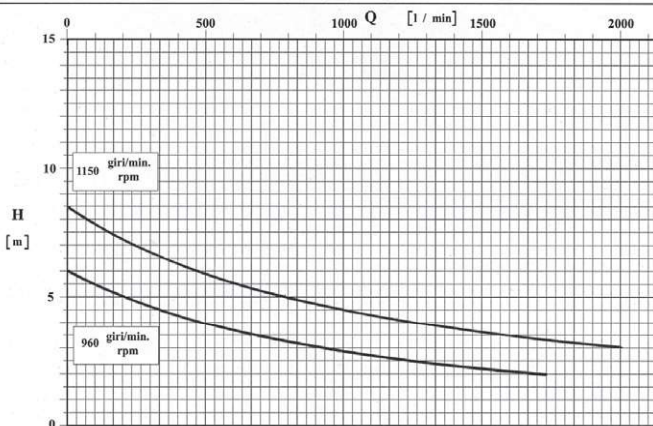
POMPA TIPO Pump type		CR 65			n 920/1110 giri / min r. p. m.	
GIRANTE — Impeller						
TIPO Type	N° di pale n° of vanes	Pass. sferico max. sphere	Ø max max. diameter	Ø min min. diameter	Bocche tipo Ports type	Bocca aspir. Suction port DN 65
APERTA	1 Elica	33 mm	156 mm	— mm	DIN 11851	Bocca mand. Discharge 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 70°F - Specific gravity 1 (kg/dm ³)						



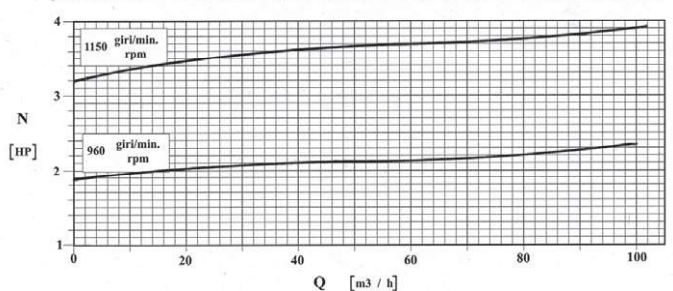
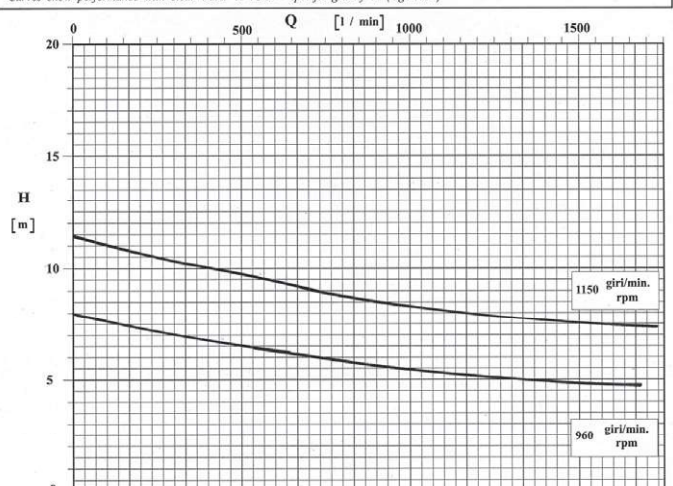
POMPA TIPO Pump type		CR 80			n 960/1150 giri / min r. p. m.	
GIRANTE — Impeller						
TIPO Type	N° di pale n° of vanes	Pass. sferico max. sphere	Ø max max. diameter	Ø min min. diameter	Bocche tipo Ports type	Bocca aspir. Suction port DN 80
APERTA	1 Elica	45 mm	178 mm	— mm	DIN 11851	Bocca mand. Discharge 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 960/1150 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)						

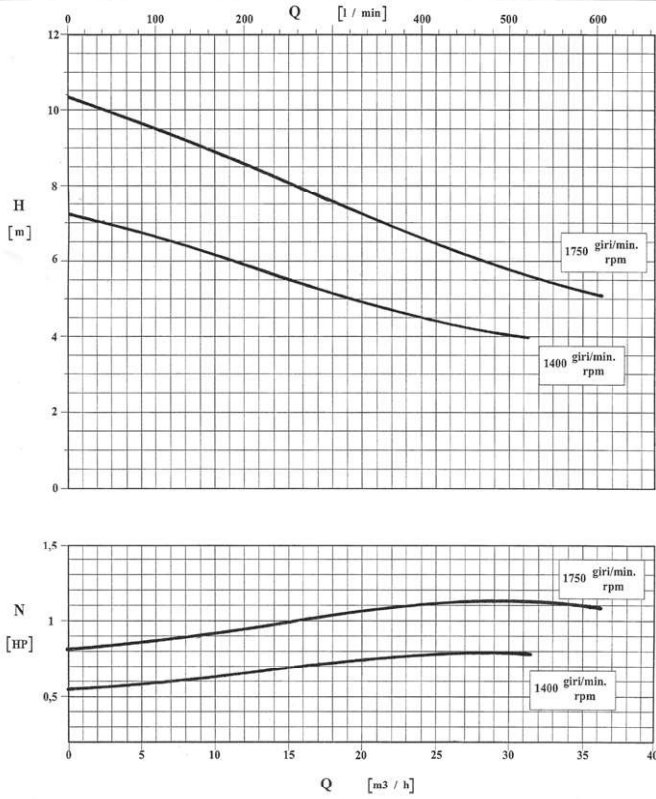


POMPA TIPO Pump type		CR 125			n 960/1150 giri / min r. p. m.	
GIRANTE — Impeller						
TIPO Type	N° di pale n° of vanes	Pass. sferico max. sphere	Ø max max. diameter	Ø min min. diameter	Bocche tipo Ports type	Bocca aspir. Suction port DN 125
APERTA	1 Elica	63 mm	260 mm	— mm	DIN 11851	Bocca mand. Discharge 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)						

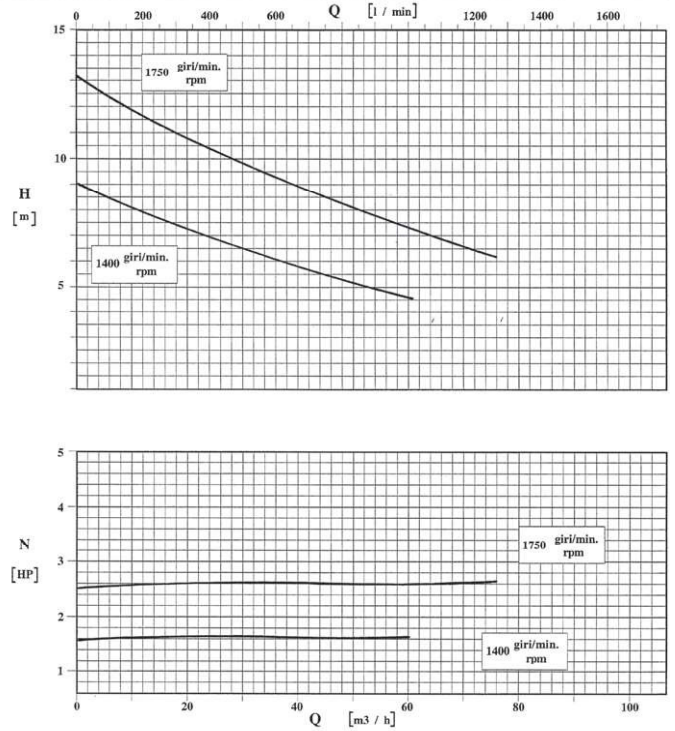


GENERAL DIAGRAMS

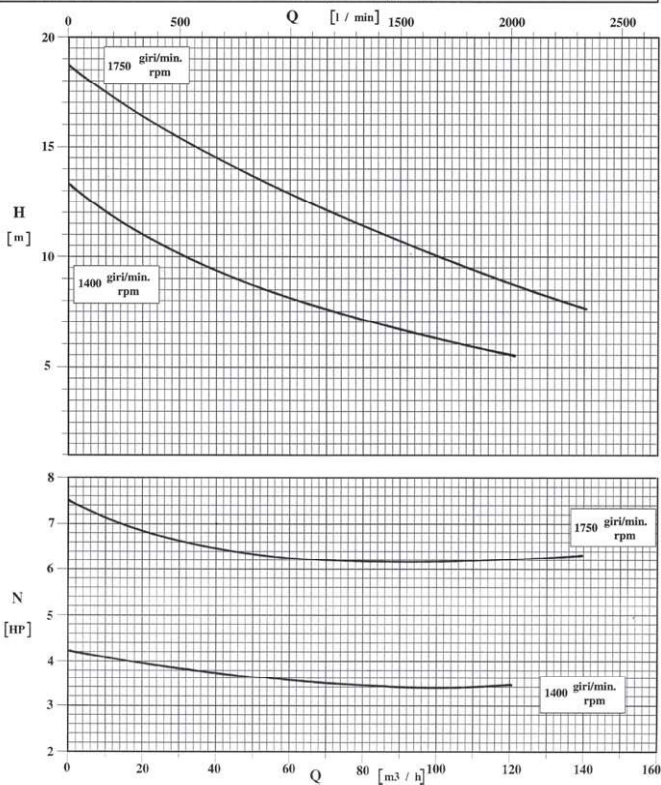
POMPA TIPO Pump type		CR 65			n 1400/1750 giri / min r. p. m.	
GIRANTE — Impeller						
TIPO Type	N° di pale n° of vanes	Pass. sferico max. sphere	Ø max max. diameter	Ø min min. diameter	Bocche tipo Ports type	Bocca aspir. Suction port DN 65 Bocca mand. Discharge port DN 65
APERTA	1 Elica	33 mm	156 mm	--- mm	DIN 11851	DN 65
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)						



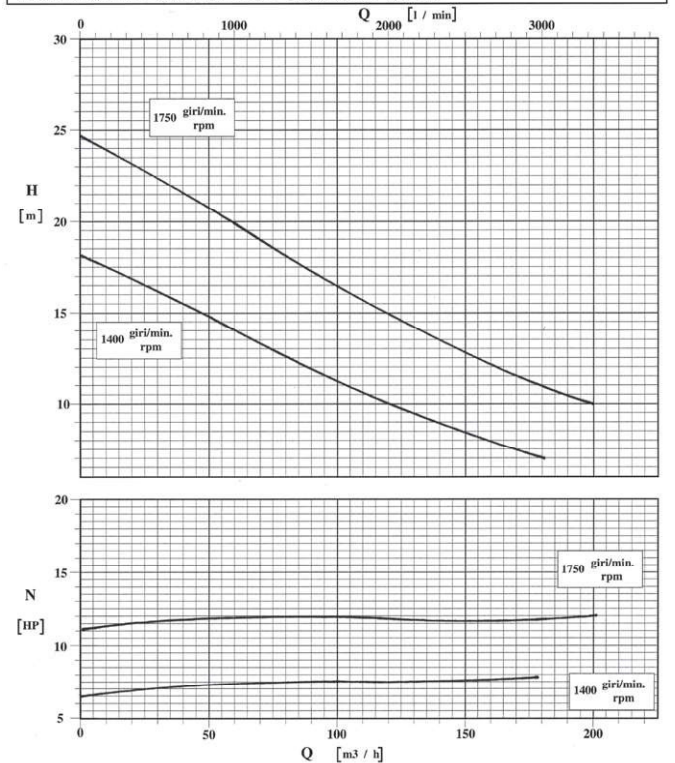
POMPA TIPO Pump type		CR 80			n 1450/1750 giri / min r. p. m.	
GIRANTE — Impeller						
TIPO Type	N° di pale n° of vanes	Pass. sferico max. sphere	Ø max max. diameter	Ø min min. diameter	Bocche tipo Ports type	Bocca aspir. Suction port DN 80 Bocca mand. Discharge port DN 80
APERTA	1 Elica	45 mm	178 mm	--- mm	DIN 11851	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)						



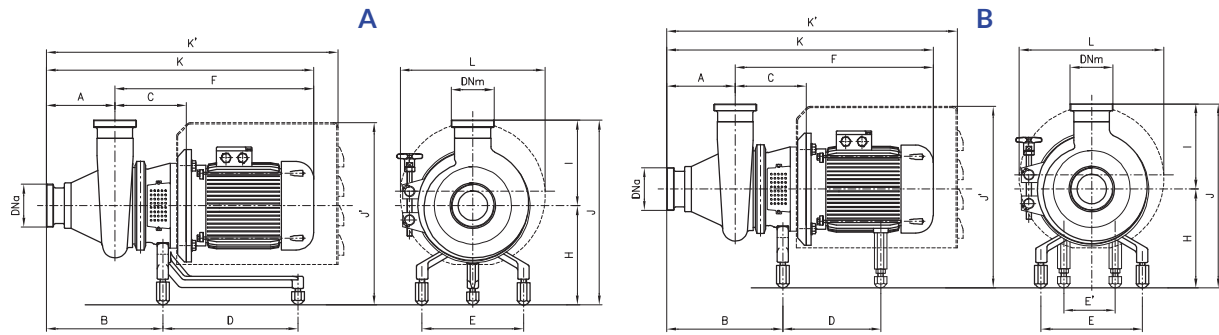
POMPA TIPO Pump type		CR 100			n 1450/1750 giri / min r. p. m.	
GIRANTE — Impeller						
TIPO Type	N° di pale n° of vanes	Pass. sferico max. sphere	Ø max max. diameter	Ø min min. diameter	Bocche tipo Ports type	Bocca aspir. Suction port DN 100 Bocca mand. Discharge port DN 100
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POMPA 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 Bocca mand. Discharge port DN 125
APERTA	1 Elica	63 mm	260 mm	--- mm	DIN 11851	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

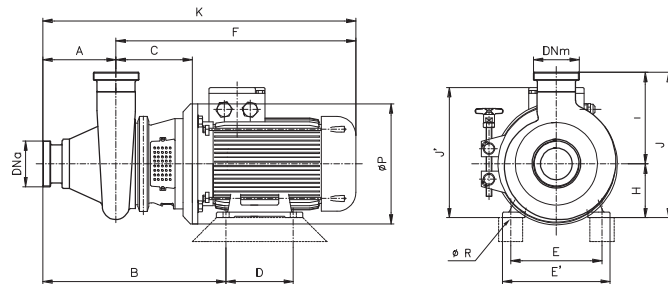
Dimensions not binding - DN = DIN 11851 male threaded connections, with standard IEC/EN motors

Pumps	1450 rpm	kW	DNa	DNm	A	B	C	D	E	E'	F	H	K	K'	I	J	J'	L		
CR 65		0,55	65	65	151	257	158	230	225	-	-	392	208	543	657	190	398	374	302	
	0,75	437										588								
	1,1	452										213		632						699
	1,5																			
CR 80	1,1	80	80	181	297	168	300	225	-	-	452	230	632	767	245	458	379	302		
	1,5										437		588							
	2,2										508		230						690	767
	3																			
4	536	238	741	824																
2,2					296	534	443	330												
3	296	534	443	330																
4					296	534	443	330												

B = motors from 5,5 kW to 15 kW

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

Pumps	1450 rpm	kW	DNa	DNm	A	B	C	D	E	E'	F	H	K	K'	I	J	J'	L					
CR 100		5,5	100	100	205	205	325	204	283	225	-	-	-	-	-	294	526	460	370				
	7,5	326					249	408	180											576	238	784	848
	11	413					168	140	190											240	515	112	720
	15																						
CR 125	5,5	125	125	232	370	230	292	225	-	-	-	-	-	346	584	501	430						
	7,5																	180	604	238	836	900	
	11																	230	748	247	980	1035	
	15																						230



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

Pumps	1450 rpm	kW	DNa	DNm	A	B	C	D	E	E'	F	H	K	I	J	J'	ØP	ØR												
CR 65		0,55	65	65	151	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													
	1,5																			160	196	481	100	663	345	235				
CR 80	1,1	80	80	181	181	413	168	140	190	226	502	112	684	245	357	260	250	12												
	1,5																		477	202	140	190	240	515	112	720				
	2,2																										216	256	576	132
	3																		497	178	216	256	576	132	781	426	299	300	12	
CR 100	2,2	100	100	205	205	570	257	210	190	240	734	160	937	294	454	357	350	15												
	3																		550	230	140	216	256	604	132	836	478	404	300	12
	4																													
	5,5																		610	270	210	254	300	748	160	980	506	432	350	15
CR 125	5,5	125	125	232	232	550	230	140	216	256	604	132	836	346	478	404	300	12												
	7,5																		610	270	210	254	300	748	160	980	506	432	350	15
	11																													
	15																		506	432	350	15								



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