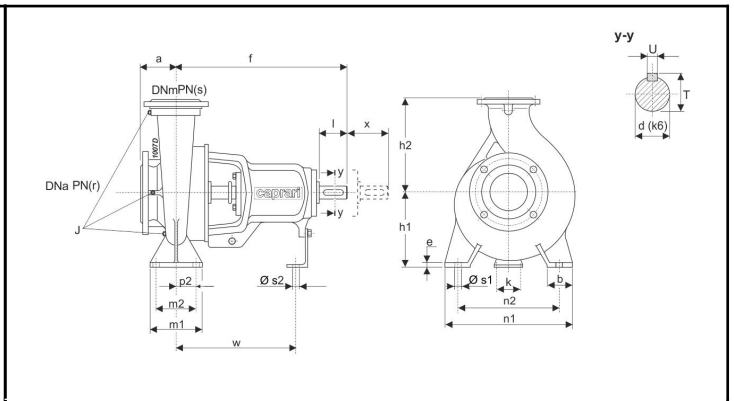
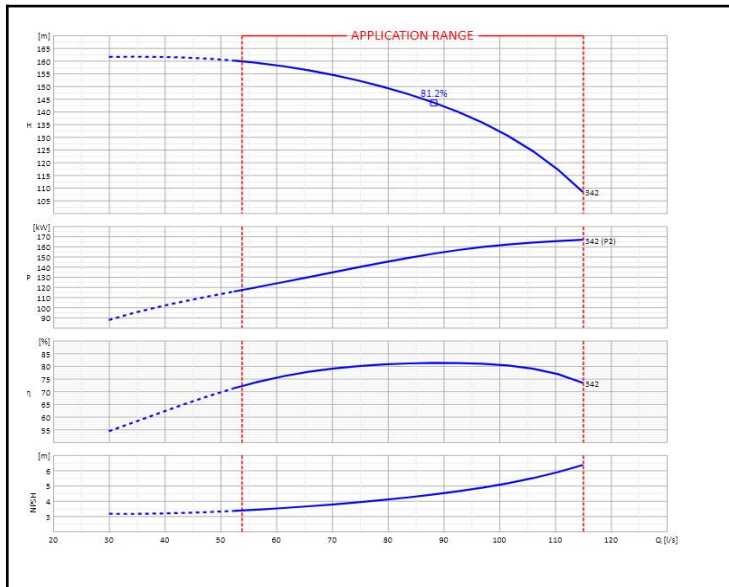


Customer:		Ref.:	
Item	Quantity	Required flow	n.d.
Type	CENTRIFUGAL PUMP WITH HORIZONTAL SHAFT	Model	NCH100-315



DNm	100	f	530	n2	315
DNa	125	k	110	p2	n.d.
J	G1/4x3	l	110	s2	14
T	45	r	16	h1	250
U	12	s	16	m1	160
a	140	w	370	n1	400
b	80	x	140	s1	18
d	42	h2	315		
e	19	m2	120		

OPERATING DATA - ISO 9906:2012 3B - M.E.I. ≥ 0.40					CONSTRUCTION CHARACTERISTICS			
Q [l/s]	H [m]	P [kW]	η [%]	NPSH [m]	UNI delivery flange DN	100	PN	16
					UNI suction flange DN	125	PN	16
					Total weight	135		Kg
					No. Stages		1	
					Pump seal		Mechanical	
					Type of installation		Horizontal	

OPERATING LIMITS			OPERATING CHARACTERISTICS			
Pumped liquid	Water		Service flow rate	n.d.	n.d.	
Max. temperature of pumped liquid	n.d.		Service head	n.d.	n.d.	
Maximum density	1	kg/dm³	Qmin	53.79	115	l/s
Maximum viscosity	1	mm²/s	H (Q=0)	161.33	159.76	m
Max. solid content	50	g/m³	P2 Duty Point	n.d.	166.5	kW
Max. no. starts/hr	n.d.		P2max			
Maximum operating time with closed port	2min (3500 rpm) 6min (1450 rpm) [40 °C]		Pump hydraulic efficiency	n.d.	n.d.	
			Rotation speed	2900	1/min	
			Sense of rotation (*)	Clockwise		
Number of pumps installed			Operating	1	Stand-by	0

PUMP MATERIALS	
Pump casing	Cast iron
Impeller	Cast iron
Lantern bracket	Cast iron
Shaft	Stainless steel
Wear ring	Cast iron
Support	Cast iron
Bearing	n.d.
Water retainer ring	Nitrile rubber
Feather key	Stainless steel
Feather key 2	Steel
Seal ring	Nitrile rubber
Mechanical seal	Silicon carbide/silicon carbide
Spacer sleeve	Stainless steel
Seal ring	Nitrile rubber
Cover mechanical seal	Cast iron
Duck foot pedestal	Steel
Cover bearing	Cast iron

Notes:	(*) View from motor coupling side
OFFER No.	Pos.
	Date 16/01/2020