

Project:
Project number:

Created on: 2022.03.02.
Created by:



Technical data Submersible sewage pump

FA 15.77Z

with motor
T 30-4/55K

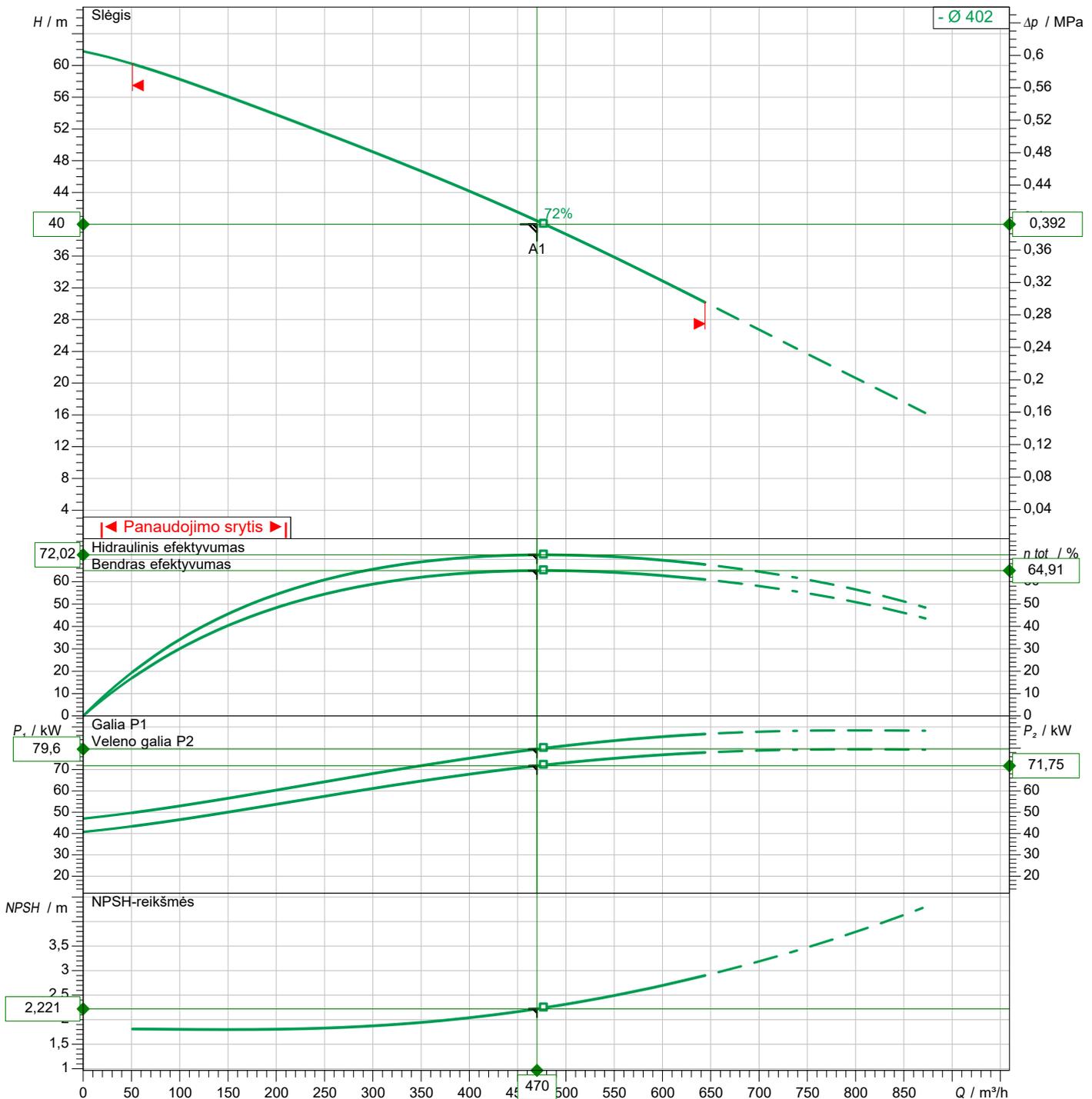
Siurblys					
Pump type	FA 15.77Z		Instaliacija		Suspension device 2
Impeller Ø	max. possible	410	mm	DN150S/2RK	
	Standartinis	410	mm	Laisvas praėjimas	
	designed	402	mm	Išsiurbimo anga	Slėgio reikšmė
	min. possible	310	mm		Rated diameter
Nominalios apskukos	1450	1/min	Standartinis		EN1092-2-S
Dažnis	50	Hz	Išpylimo dalis	Slėgio reikšmė	PN10
Darbračio tipas	Two-channel			Rated diameter	DN150
Darbračio konstrukcija	Uždaryta			Standartinis	EN1092-2-D
Weights					
Weight of pump end	Maks. 186	kg	Weight of unit		Maks. 753
Weight of motor	567	kg			
Medžiagos					
Siurblio korpusas	EN-GJS-500-7				
Stationary wear ring	1.4308				
Darbaratis	EN-GJS-500-7				
Mobile wear ring	1.4462/1.4470				
Variklis					
Motor name	T 30-4/55K		Polių skaičius		4
Rated power	78	kW	Rated speed		1447
Power input with rated power				86,7	kW
Rated voltage				400 ~3	V
Current input with rated power				143,8	A
Efficiency with rated power				90	%
cos phi with rated power	0,87			Rated frequency	50
cos phi with starting	0			Šlapias darbo režimas	S1
Paleidimo srovė, tiesioginis paleidimas	820	A	Sausas darbo režimas		-
Paleidimo srovė, žvaigžde-trikampiu	273,3	A	Maks.terpės temp.		40
Starting torque	1125	Nm	Maks.paleidimų sk.per valandą		15
Inertia moment	0,568	kg m ²	Apsaugos laipsnis		IP 68
Pasir.sprog.apsauga				Ex-number	ATEX=- / FM=- / CSA=-
Ex-designation	ATEX=- / FM=- / CSA=-				
Motor connection cable	2X 4x16 + 2x1,5 NSSHÖU				
Duty point data					
Debitas	470	m ³ /h	Skystis		Nuotekos
Slėgis	40	m	Reikiamas siurblio NSPH		2,2
Veleno galia	P ₂	71,7	kW	Apsukos	1452
Pump efficiency	72	%	Bendras efektyvumas		= $\frac{P_2 * \text{Pump efficiency}}{P_1}$
Galios įvedimas	P ₁	79,6			
Vieneto Nr.					

Performance curves Submersible sewage pump

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Power data referred to: Nuotekos (100%); 20 °C; 998,2 kg/m³; 1,000400721 mm²/s
Tolerance as per ISO 9906 / Annex A.2

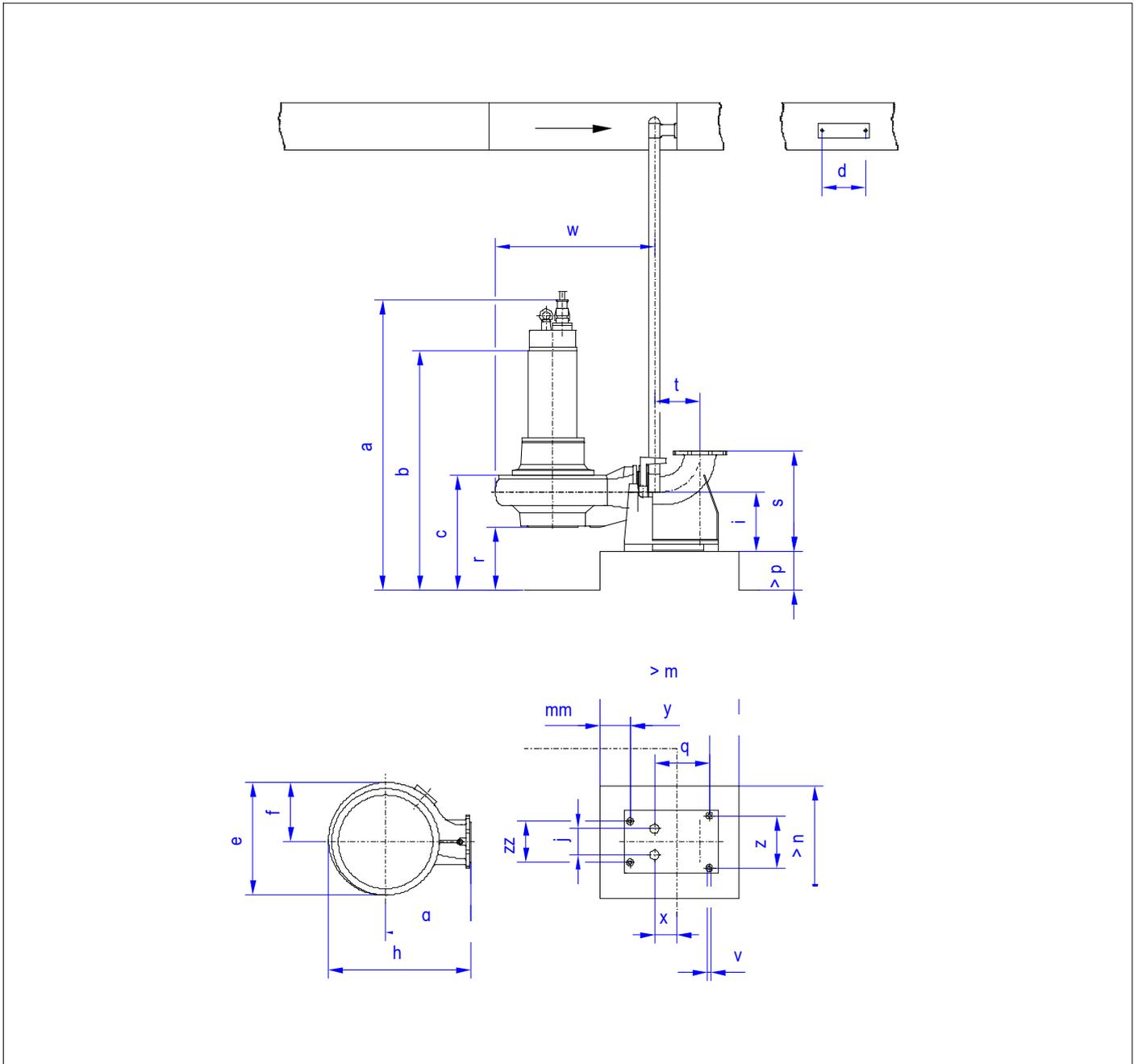


Pump			Duty point data		
Impeller Ø	designed	402 mm	Debitas	470	m ³ /h
Nominal speed		1447 1/min	Slėgis	40	m
Dažnis		50 Hz	Veleno galia	P ₂ 71,7	kW
Darbračio tipas		Two-channel	Pump efficiency	72	%
Motor			Galios įvedimas	P ₁ 79,6	kW
Rated power		78 kW	Reikiamas siurblio NSPH	2,2	m
Pasir.sprog.apsauga			Apsukos	1452	1/min

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Dimensions in mm				Connections
a	1771	p	70	Suction port DN200 PN10
b	1517	q	291	
c	490	s	540	
r	200	t	241	Discharge port DN150 PN10
d	230	v	18	
i	320	w	842	Suspension device 2 DN150S/2RK
j	140	y	420	
k	139	z	280	
m	740	zz	220	
mm	160	e	603	
n	600	f	318	