

Project:
Project number:

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Technical data Submersible sewage pump

FA 15.77Z

with motor
T 30-4/55K

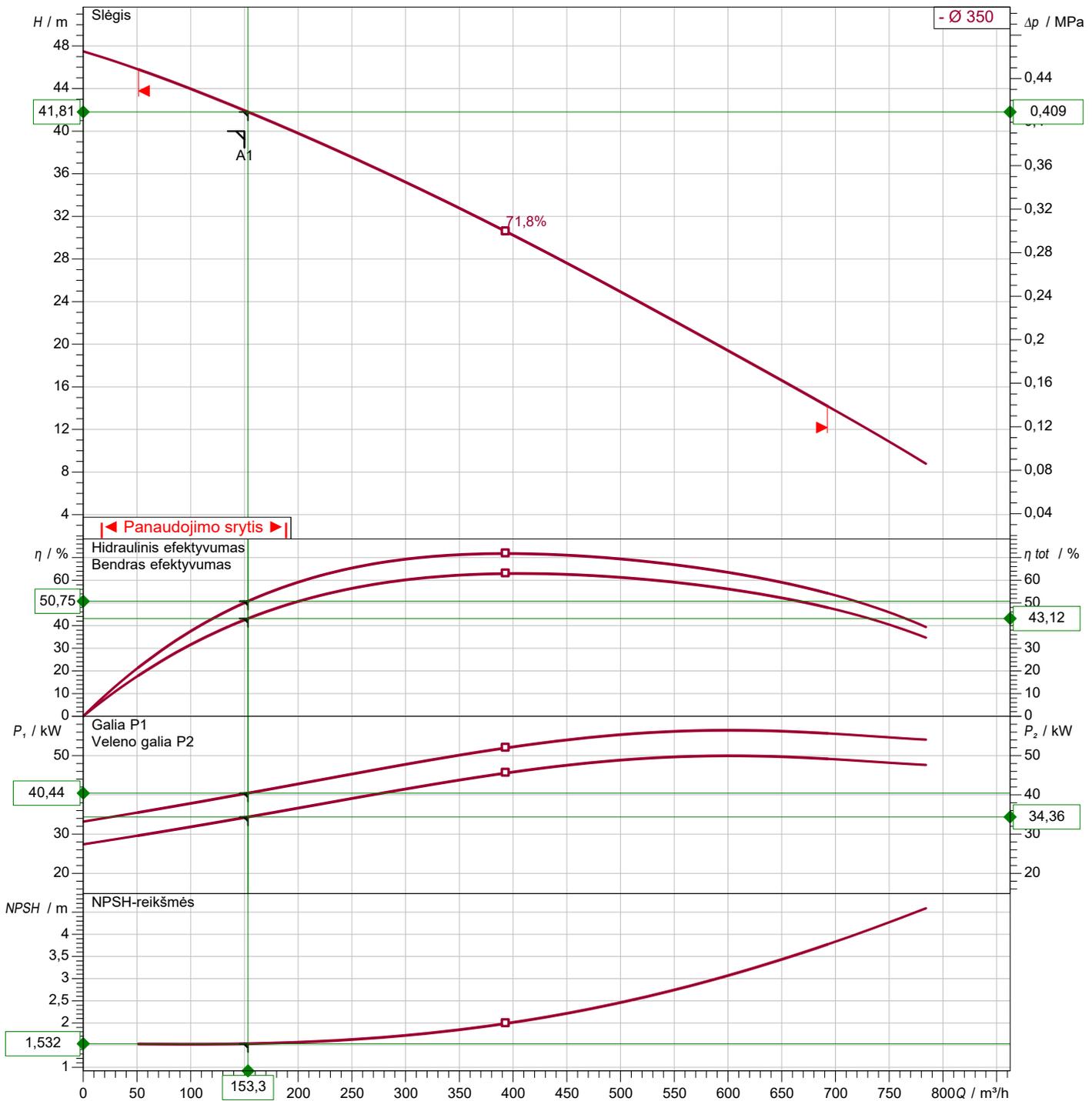
Siurblys					
Pump type	FA 15.77Z		Instaliacija	Suspension device 2	
Impeller Ø	max. possible	410 mm			DN150S/2RK
	Standartinis	350 mm	Laisvas praėjimas		80 mm
	designed	350 mm	Įsiurbimo anga	Slėgio reikšmė	PN10
	min. possible	310 mm		Rated diameter	DN200
Nominalios apskukos	1450	1/min	Išpylimo dalis	Standartinis	EN1092-2-S
Dažnis	50	Hz		Slėgio reikšmė	PN10
Darbračio tipas	Two-channel		Išpylimo dalis	Rated diameter	DN150
Darbaračio konstrukcija	Uždaryta			Standartinis	EN1092-2-D
Weights					
Weight of pump end	Maks. 186 kg		Weight of unit	Maks. 753 kg	
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 1/min	
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 Hz	
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 °C	
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	153,3 m ³ /h		Skystis	Nuotekos	
Slėgis	41,8 m		Reikiamas siurblio NSPH	1,5 m	
Veleno galia P ₂	34,4 kW		Apsukos	1477 1/min	
Pump efficiency	50,7 %		Bendras efektyvumas	= $\frac{P_2 * \text{Pump efficiency}}{P_1}$	
Galios įvedimas P ₁	40,4 kW				
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

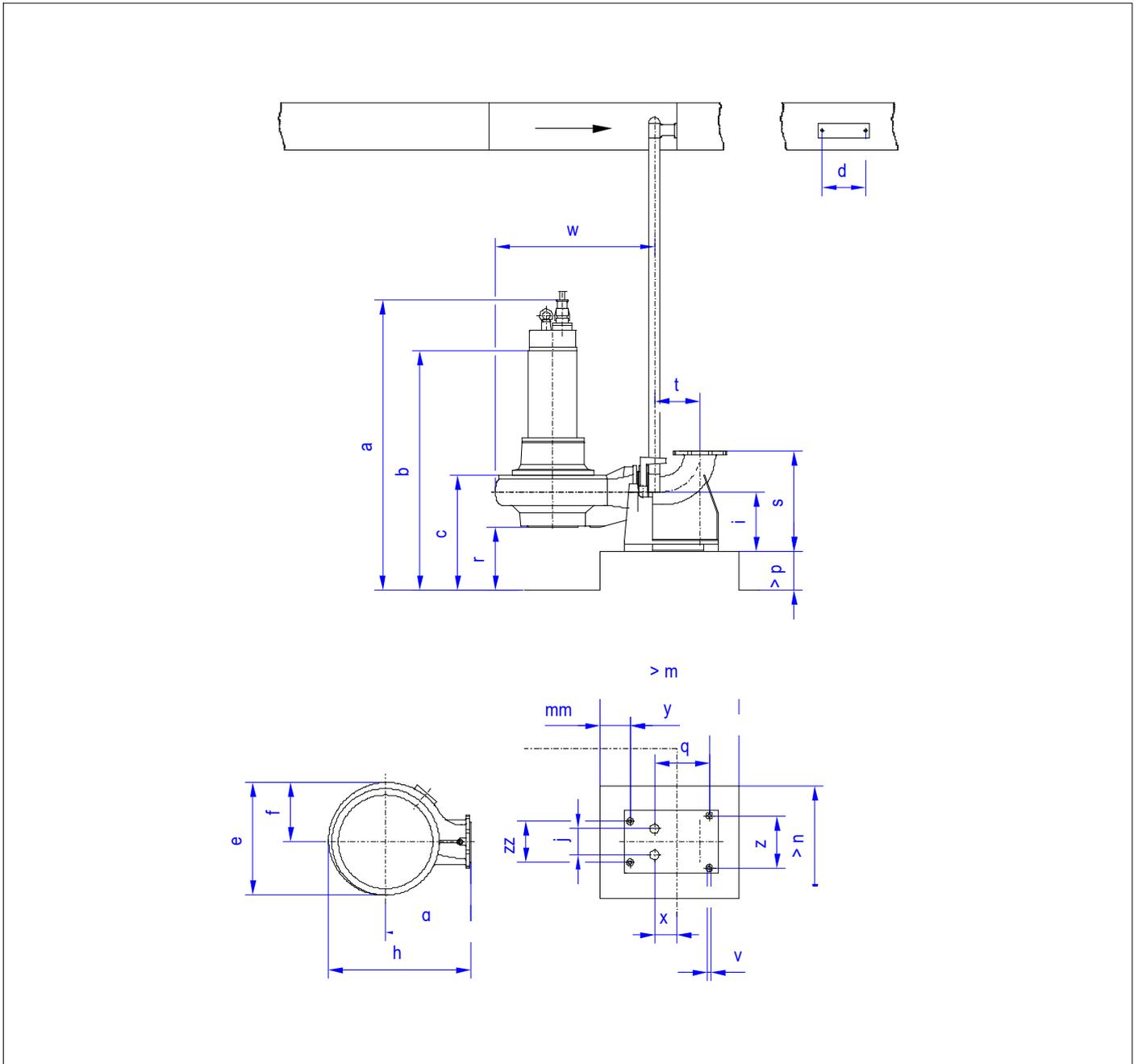


Pump			Duty point data		
Impeller Ø	designed	350 mm	Debitas	153,3	m ³ /h
Nominal speed		1450 1/min	Slėgis	41,8	m
Dažnis		50 Hz	Veleno galia	P ₂ 34,4	kW
Darbračio tipas		Two-channel	Pump efficiency	50,7	%
			Galios įvedimas	P ₁ 40,4	kW
Rated power		78 kW	Reikiamas siurblio NSPH	1,5	m
Pasir.sprog.apsauga			Apsukos	1477	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	
j	140	y	420	Suspension device 2 DN150S/2RK
k	139	z	280	
m	740	zz	220	
mm	160	e	603	
n	600	f	318	