

Technical Information

TP70M26/4 D



DIN EN 12050-1

Operating data

Flow	0 m³/h
Head	0 m
Shaft power P2	
Pump efficiency	%
Required pump NPSH	
Pump type	Single pump
No. of pumps	1
Fluid	Water, clean

Pump

Pump Code	TP70M26/4 D
Impeller	Single vane impeller
Impeller size	196 mm
Solid size	70 mm
Discharge port	DN80
Suction port	

Motor

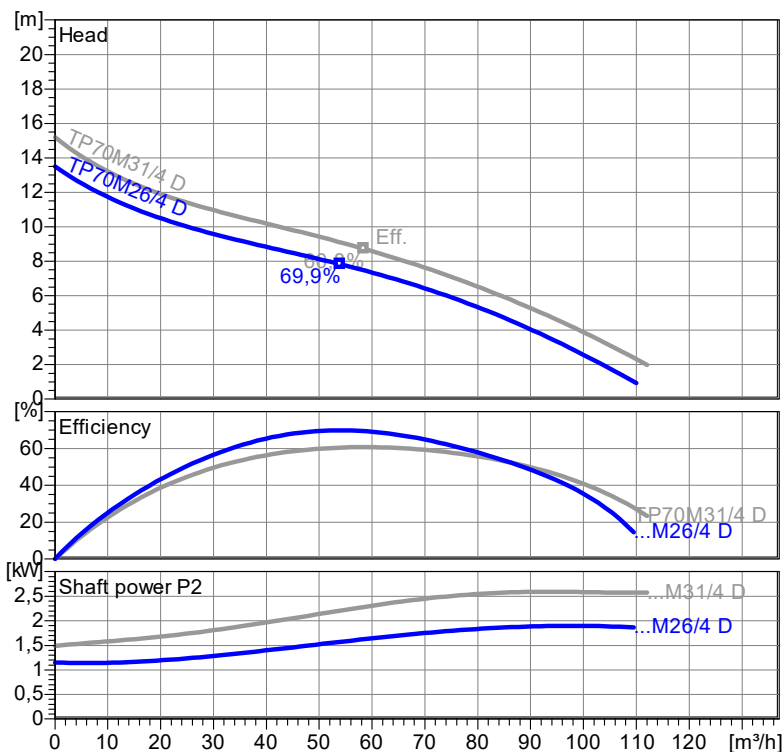
Rated voltage	400 V
Frequency	50 Hz
Rated power P2	1,9 kW
Rated speed	1450 rpm
Number of poles	4
Efficiency	76 %
Rated current	5,5 A
Degree of protection	IP 68

Materials

Motor housing	Grey cast iron GG25
Pump housing	Grey cast iron GG25
Impeller	Grey cast iron EN-GJL-250
Wear ring	Bronze
Motor shaft	Stainless steel 1.4104
Bolts	Stainless steel
O-Rings	Nitrile Rubber

Mechanical seal on medium side	SiC / SiC
Mechanical seal on motor side	SiC / SiC
Lower Bearing	Double row angular ball bearing
Upper Bearing	Deep Groove Ball Bearing

Testnom: ISO9906 Sect. 4.4.2



Wet well installation on ground (M26...31)
Dimensions in mm, letters see table

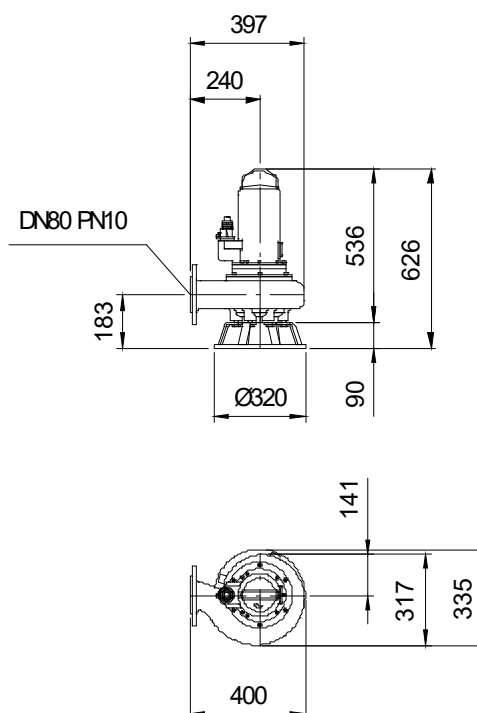


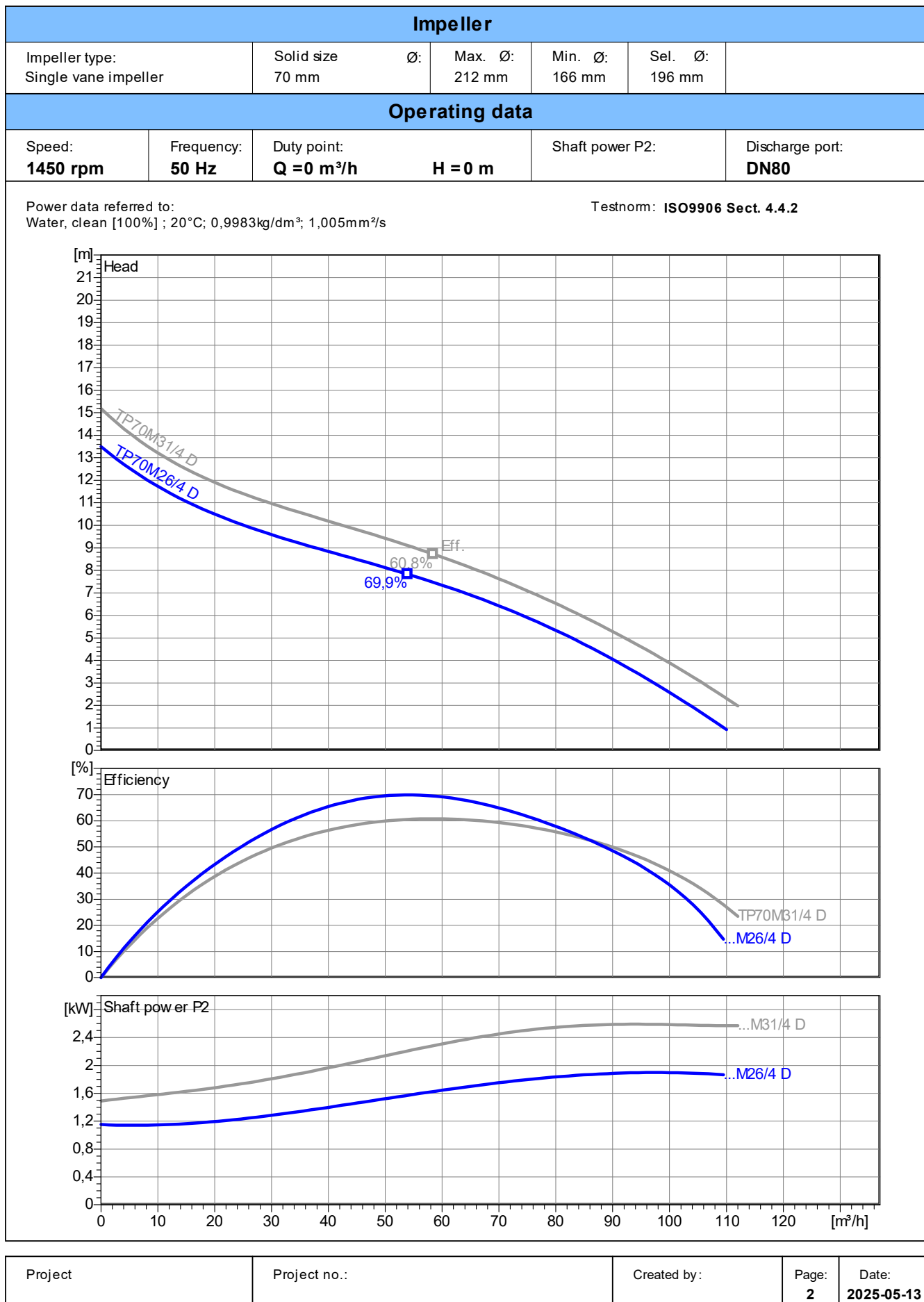
Table Dimensions
(mm)

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Performance Curve

TP70M26/4 D



Dimensions

TP70M26/4 D

Wet well installation on ground (M26...31)
Dimensions in mm, letters see table

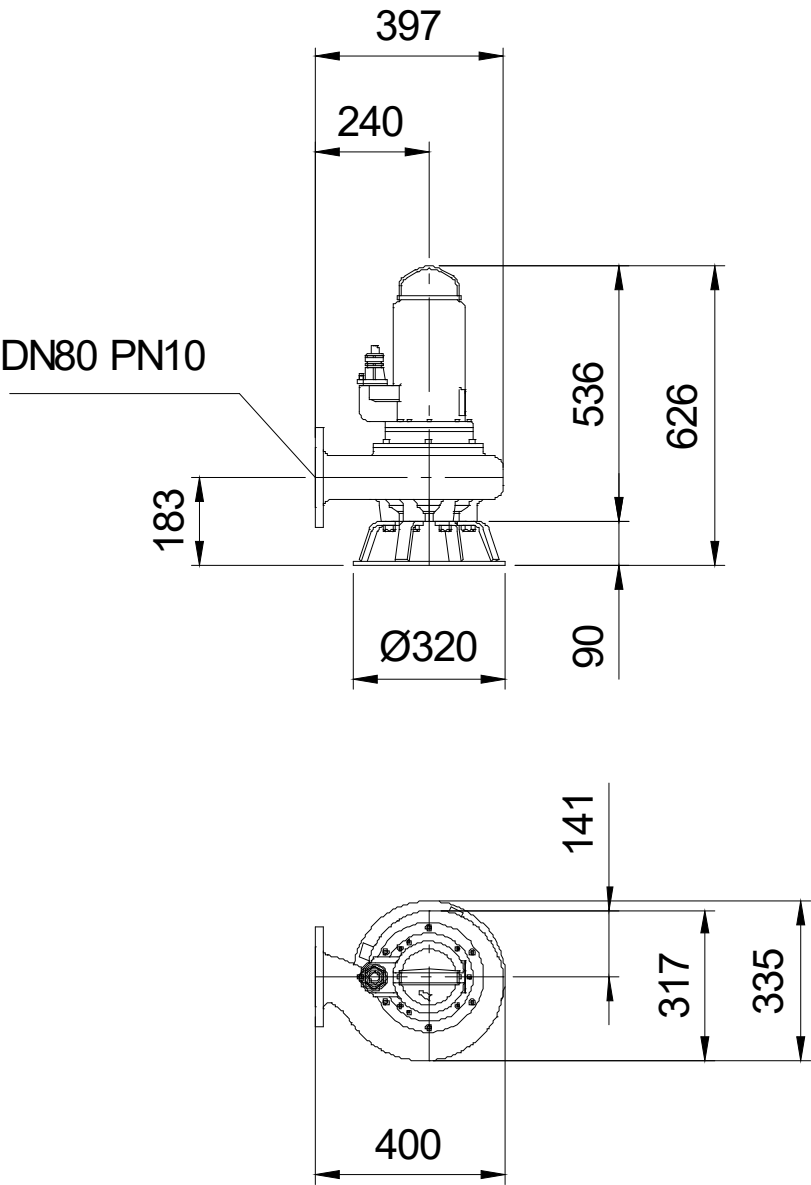


Table Dimensions (mm)

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Technical Data

TP70M26/4 D



Operating data				
Flow	0 m³/h	m³/h	Head	0 m
Shaft power P2	kW		Static head	0 m
Pump efficiency	%		Required pump NPSH	m
Pump type	Single pump		No. of pumps	1
Fluid	Water, clean		Temperature	20 °C
Density	0,9983	kg/dm³	Kin. viscosity	1,005 mm²/s

Pump					
Pump Code	TP70M26/4 D	Speed	1450	rpm	
Suction port		Head	Max.	13,5	m
Discharge port	DN80		Min.	0,9	m
Impeller type	Single vane impeller	Flow	Max.	110,0	m³/h
Solid size	70	mm	Pump efficiency max.	69,9	%
Impeller Ø	196	mm	Required rated power max. P2	1,9	kW

Motor					
Motor design	Submersible motor		Insulation class		H
Motor name	AM 136.3,4/4 D		Degree of protection		IP 68
Frequency	50	Hz	Temperature class		
Rated power P1	2,5	kW			
Rated power P2	1,9	kW	Explosion protection		
Rated speed	1450	rpm	Efficiency at % rated power	100%	76,0 %
Rated voltage	400	V 3~		75%	%
Rated current	5,5	A		50%	%
Starting current, direct starting	23,4	A	cos phi at % rated power	100%	0,80
Starting current, star-delta	7,	A		75%	
Starting mode	Directly			50%	
Power cable	6G1,5		Control cable		
Type of power cable	H07RN8-F PLUS		Type of control cable		
Cable length	10,0 m		Service factor		1,15
Shaft seal	Mechanical seal on medium side		SiC / SiC		
	Mechanical seal on motor side		SiC / SiC		
Bearing	Lower Bearing		Double row angular ball bearing		
	Upper Bearing		Deep Groove Ball Bearing		
Remarks			 Bauart geprüft und überwacht www.tuv.com ID: 1111241987 DIN EN 12050-1		

Materials / Weight			
Motor housing	Grey cast iron GG25	Bolts	Stainless steel
Pump housing	Grey cast iron GG25	O-Rings	Nitrile Rubber
Impeller	Grey cast iron EN-GJL-250		
Wear ring	Bronze		
Motor shaft	Stainless steel 1.4104		
Weight aggregate	66 kg		

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