

 TADMUR PUMP FACTORY	Product Information TPH 10-40	Manufacturer	
		Address	
		Contact	
		Date	2023/04/05
Project Name		Client Name	Tadmur Pump Factory
		Client Addr.	Salwa Road Doha
Item NO		Contacts	TPF
		Contact	

Part NO.	50019323
Product Picture	Note
	Domestic water pressure boosting Commercial water supply Cooling and air conditioning Centralized heating system Light industrial plants Irrigation system Filtration system Washing plants Reverse-Osmosis system It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.
Nameplate parameters	
flow	10 m ³ /h
head	31 m
Efficiency	52 %
speed	2850 rpm
number of stages	4
Technical	
Flow range (m ³ /h)	10m ³ /h
Curve tolerance	ISO 9906 Annex A
Material	
Impeller	AISI 304
Diffuser	AISI 304
Pump inlet	HT200
Fan	PP
Fan cover	08F
Discharge chamber	HT200
Motor support	ZALSi12
Shaft sleeve	AISI 304
Front end cover	HT200
Mechanical seal	silicon/graphite
Pump cover (body)	ZL 102
Working conditions	
Medium temperature (°C)	0°C+85°C
Max. ambient temperature (°C)	+50°C
Pumped medium	Clean water
Working pressure	10bar
Maximum inlet pressure	Limited by maximum working pressure
Installation	
Installation	horizontal
Inlet diameter (mm)	G1 1/2
Outlet diameter (mm)	G1 1/4
Connection standard	Internal thread
Rotation direction	Clockwise from drive end
Maximum Suction	It is related to NPSH (cavitation allowance), medium temperature, installation location, sea level height
Motor	
Motor phase	Single phase



TADMUR PUMP FACTORY

Performance Curve

TPH 10-40

Manufacturer

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Tadmur Pump Factory

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Salwa Road Doha

Contacts

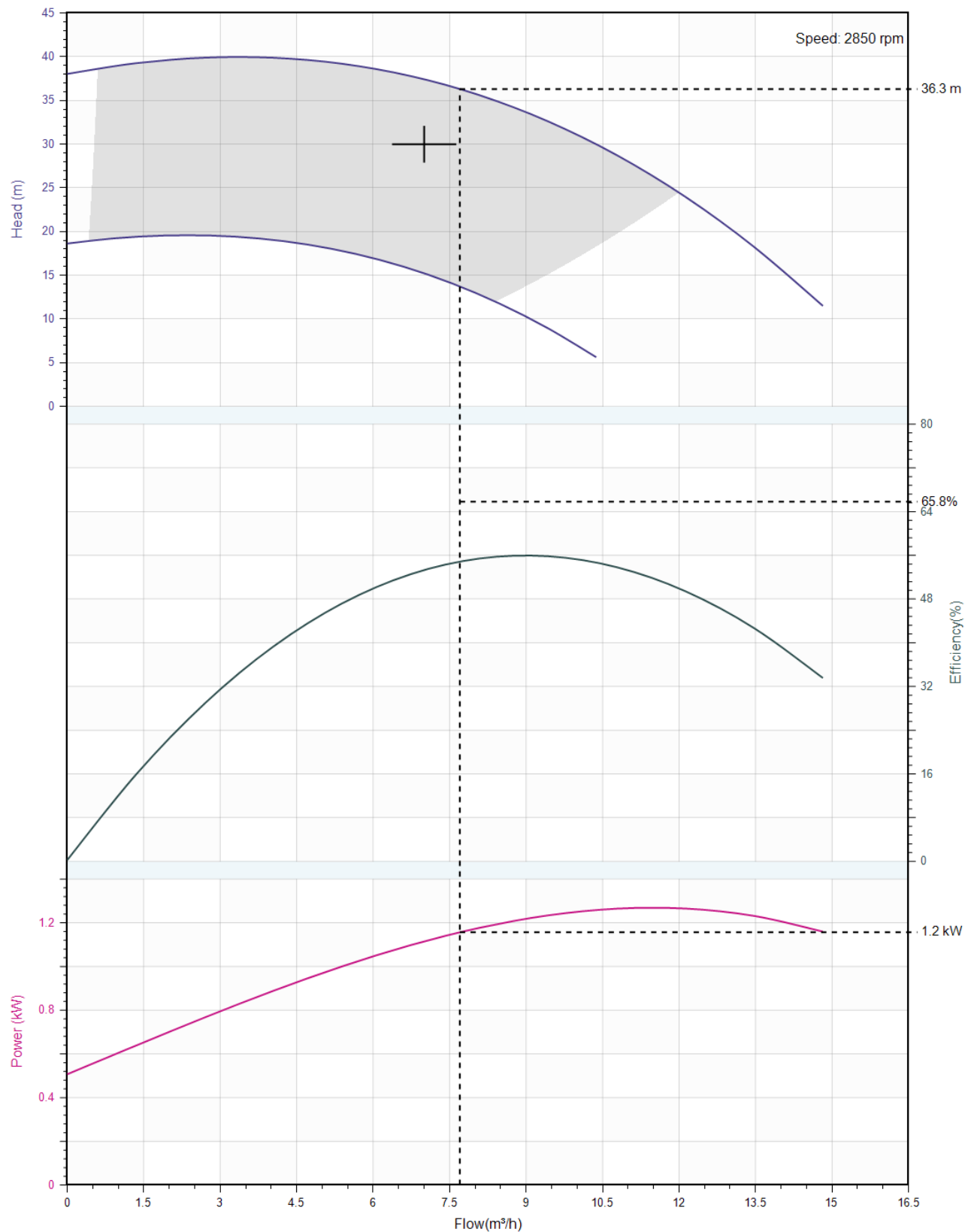
TPF

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Project Name

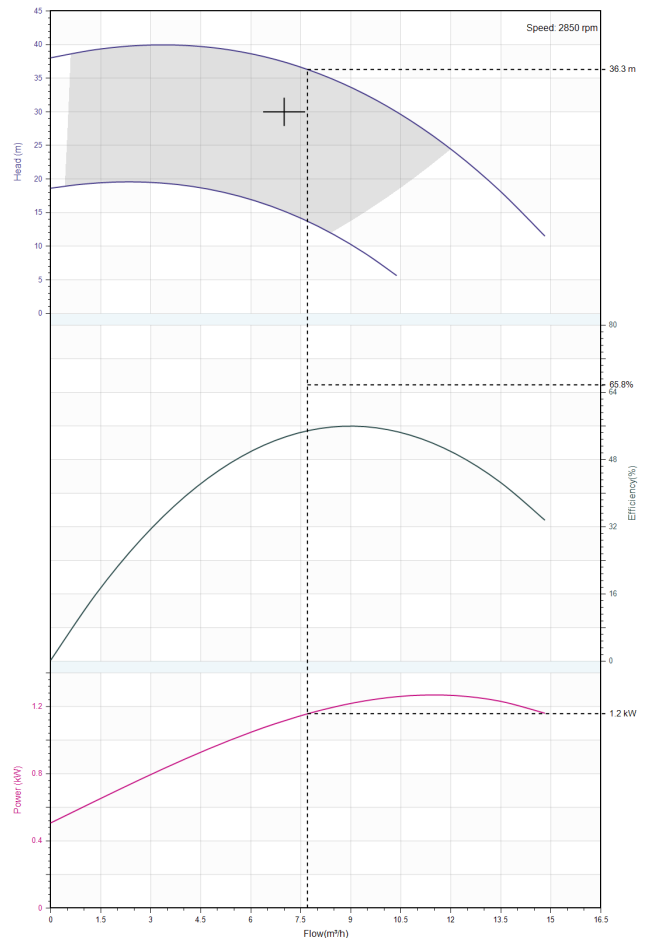
Item NO

The hydraulic performance curve have been tested with Clean Water at 20°C, density 1000kg/m³, and at 1bar atmospheric pressure. GB32162016 Grande 3B



 TADMUR PUMP FACTORY	Pump Technical Parameters TPH 10-40	Manufacturer	
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Rated parameters	
Pump model	TPH 10-40
Part NO.	50019323
Rated flow	7.7 m ³ /h
Rated head	36.3 m
Speed (rpm)	2850
Design point parameters	
Flow (m ³ /h)	7
Head (m)	30
Static head (m)	0
Operating point parameters	
Flow (m ³ /h)	7.7
Head (m)	36.3
Efficiency (%)	65.8
Power (kW)	1.157
Speed (rpm)	2850
Medium	
Pumped medium	Clean Water
Working temperature (°C)	20
Medium density (kg/m ³)	1000
Viscosity (mm ² /s)	1





Dimension Drawing

TPH 10-40

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2023/04/05

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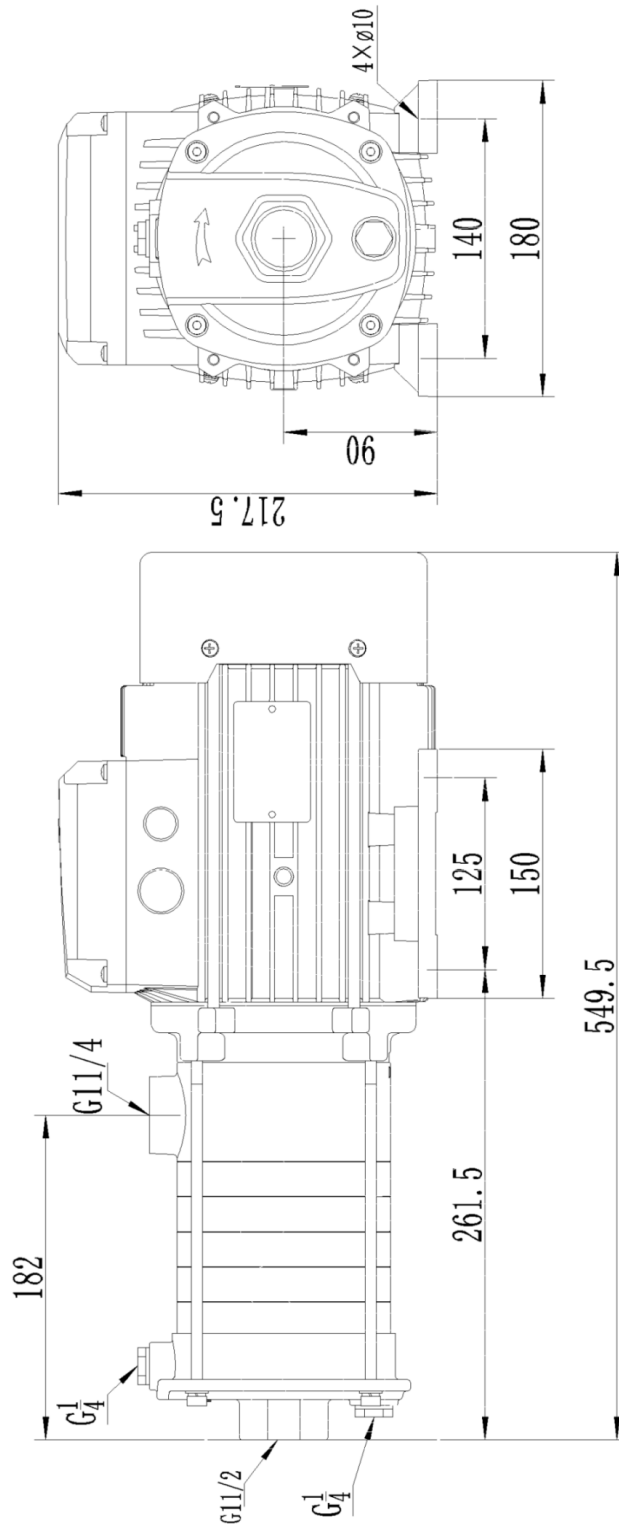
Tadmur Pump Factory

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 TADMUR PUMP FACTORY	Physical picture TPH 10-40	Manufacturer	
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