

## Performance curve



Customer item no.:070-P-104A/B

Order dated: 07/11/2013

Order no.: RG2158-101

Quantity: 1

Number: ES 2633280

Item no.:100

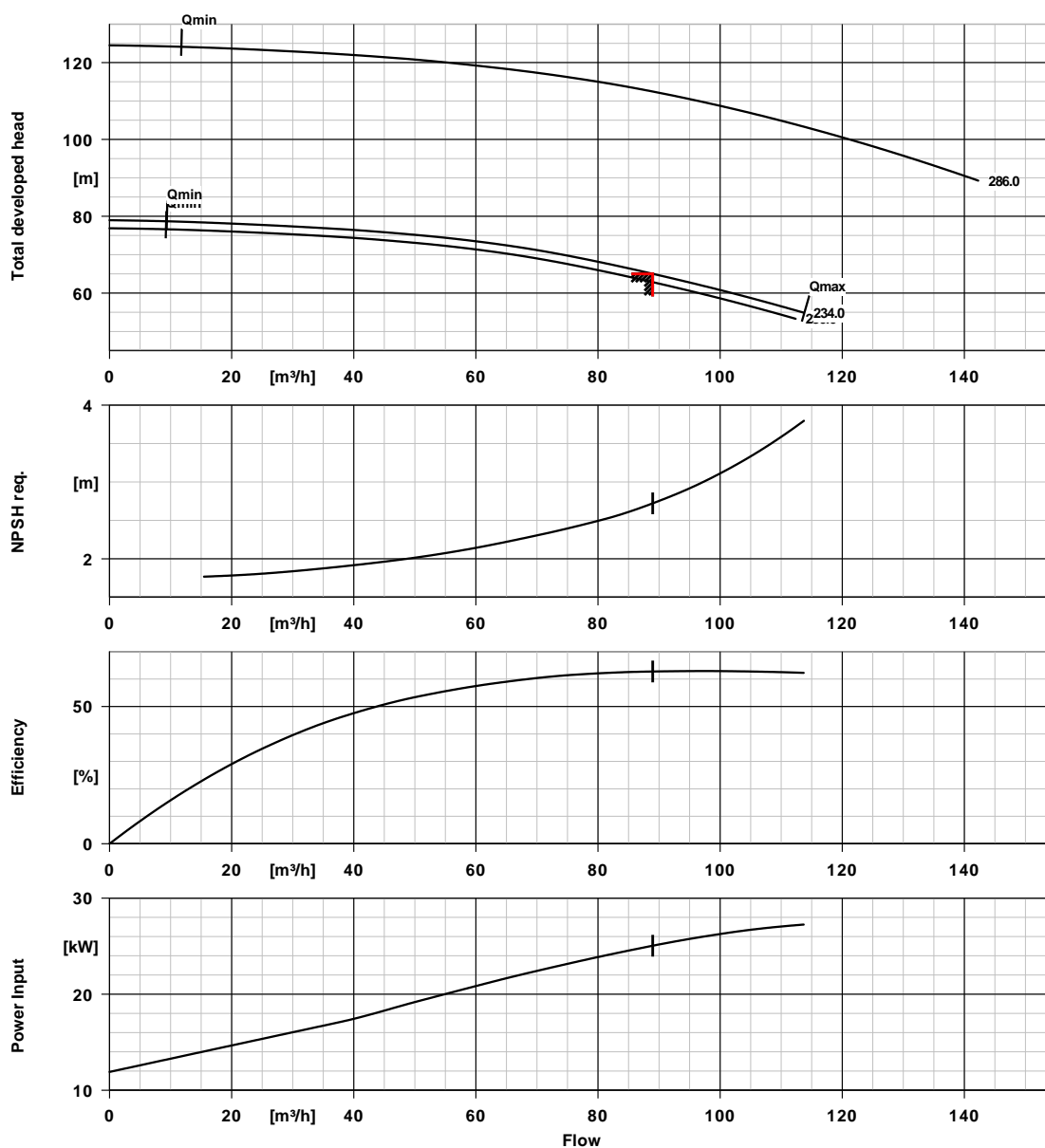
Date: 07/11/2013

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### RPH S6 080-280

Version no.: 1

Heavy Duty Centrifugal Pump to API 610 11th edition



### Curve data

Speed of rotation	2983 rpm	Power absorbed	25.05 kW
Fluid density	998 kg/m³	NPSH required	2.72 m
Viscosity	0.68 mm²/s	Curve number	K1316.452/314
Flow rate	88.96 m³/h	Effective impeller diameter	233.0 mm
Requested flow rate	88.94 m³/h	Acceptance standard	API 610
Total developed head	65.03 m	Min. allow. flow for continuous stable operation	28.70 m³/h
Requested developed head	65.00 m	Min. thermal flow rate	9.57 m³/h
Efficiency	62.8 %		

## Installation plan



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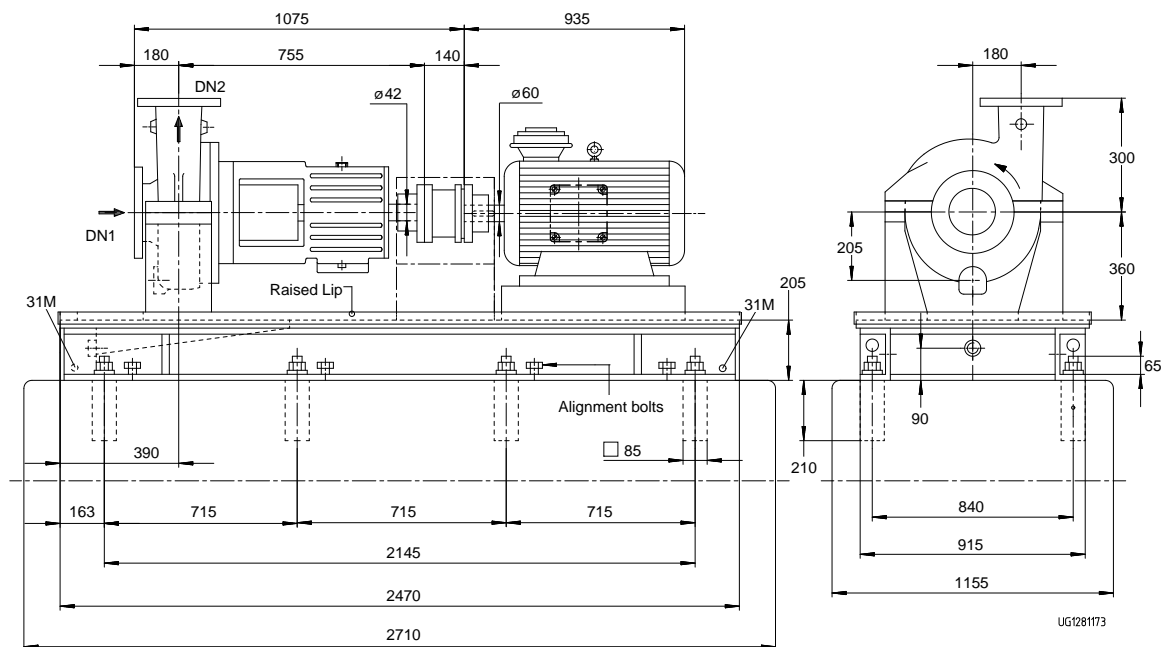
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*Drawing is not to scale*

*Dimensions in mm*

#### Motor

Motor manufacturer	Siemens
Motor size	250M
Motor power	36.00 kW
Number of poles	2
Speed of rotation	2983 rpm
Motor enclosure	IP55
Position of terminal box	0°/360° (top)
	Viewed from the drive

#### Connections

Suction flange according to (DN1)	ASME B 16.5 / NPS 4 / CL 300 / RF
Discharge flange according to (DN2)	ASME B 16.5 / NPS 3 / CL 300 / RF
Flanged openings are provided with metal closures at least 5 mm thick, with elastomer gaskets and at least four full-diameter bolts.	

#### Baseplate

Design	Welded steel according to API 610
Size	4
Material	Steel ST
Leakage drain baseplate (8B)	2 NPT, Drain channel
Foundation bolts	M20x250

#### Coupling

Coupling manufacturer	Crane
Coupling type	Metastream TSK
Coupling size	33
Spacer	140.0 mm

#### Weight net

Pump	317 kg
Baseplate	670 kg
Coupling	6 kg
Coupling guard	5 kg
Motor	415 kg
Total	1413 kg

**Connect pipes without stress or strain!**

**For auxiliary connections see**