

Receiver

From

Company
Reference
Address
Phone
Fax
E-mail

Item n° :
60171445
Model :
FKV 80 40.4 T5 400D

Customer pos. no.:

Pump data

Type of impeller : Vortex impeller
Pump outlet : DN 80
Pump inlet : DN 80
Flange standard : EN 1092-1 / PN 16
Free passage : 80 mm
Fluid Temperature : 0 °C / 40 °C *
* For higher temperatures please contact our sales network
pH : 6,5 - 12
Kinematic viscosity : 1 mm²/s
Max Flow : 86 m³/h
Max Head : 17,08 m
Max Hydraulic efficiency : 46,5 %

Approvals

Approvals : 12050-1
ATEX : NO

INSTALLATION

Max. Ambient temperature : 40 °C
Max installation depth : 20 m
Type of installation :
Wet - Pump only

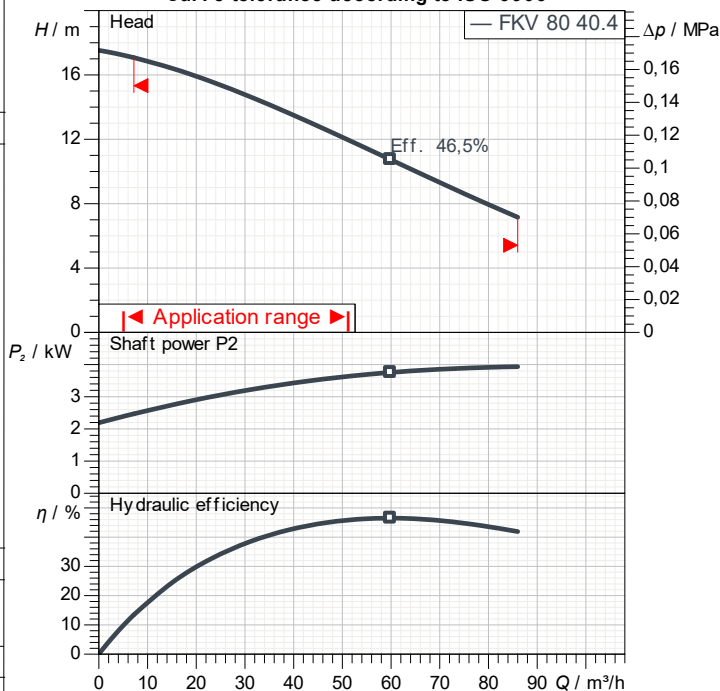
Materials

Handle : Stainless Steel (AISI 304)
Electric cable : 07RN8-F
Screws : Stainless Steel (AISI 304)
OR : NBR
Mechanical seal pump side : SiC/SiC
Mechanical seal motor side : SiC/Carbon
Seal ring : HNBR
Motor shaft : AISI 420
Pump body/ motor : Cast iron (EN GJL 200)
Impeller : Cast iron (EN GJL 250)
Coating : Acrylic Two-component 50µm

Motor data

Number of poles : 4
Max. Input power P1 : 4,5 kW
Nominal power P2 : 4 kW
Rated voltage : 3~ 400 V (+6% / -10%) 50 Hz
Nominal current : 8,6 A
Starting current (DOL / YD) : 20 A / —
Starting : Direct starting
Rated speed : 1.450 1/min
Efficiency : 88,8 %
Number of starts : 20 /h
Degree of protection : IP 68
Insulation class : F 150 °C
Standard cable type : 10mt 4G1.5+3x1
Water-in-oil sensor : NO
Motor protection : Thermal switch

Curve tolerance according to ISO 9906



Fluid data

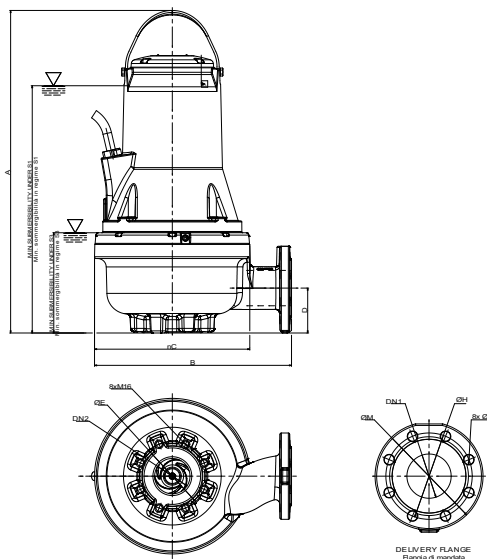
Fluid : Water
Density : 998,3 kg/m³
Fluid Temperature : 20 °C
Kinematic viscosity : 1,005 mm²/s

Requested data

Flow :
Head :

Real dutypoint

Flow :
Head :



Pump weight :

154 kg

Accessory weight :

Dimensions in mm

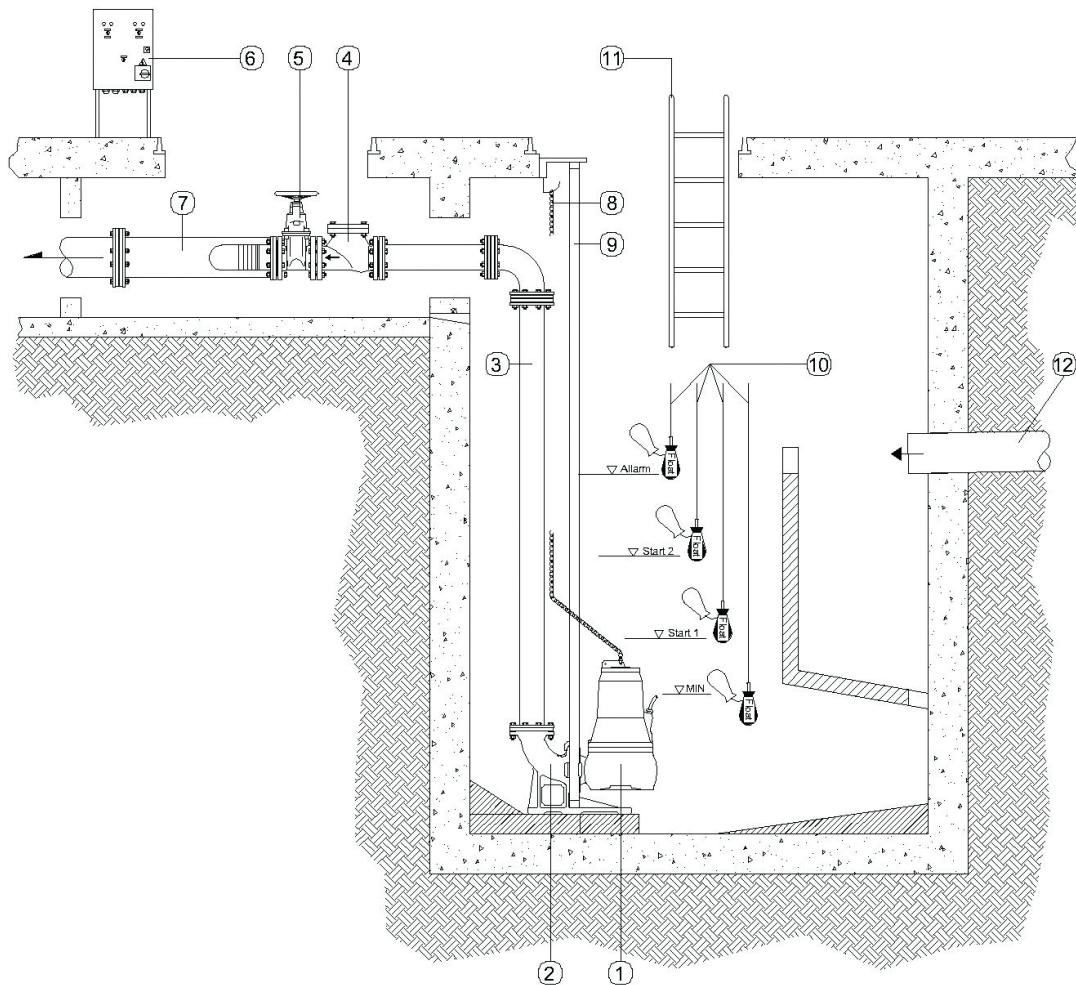
A	749	ØM	200		
B	460	S1	575		
D	109	S3	235		
DN1	80				
DN2	80				
ØE	386				
ØE	160				
ØH	160				

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Installation example



- 1: SUBMERSIBLE PUMPS
- 2: BASE ELBOW
- 3: DISCHARGE PIPE
- 4: BALL CHECK VALVE
- 5: GATE VALVE
- 6: CONTROL PANEL
- 7: MANIFOLD
- 8: LIFTING CHAIN
- 9: DROP PIPE
- 10: LEVEL SWITCHES
- 11: SUMP INSPECTION LADDER
- 12: INTAKE PIPE

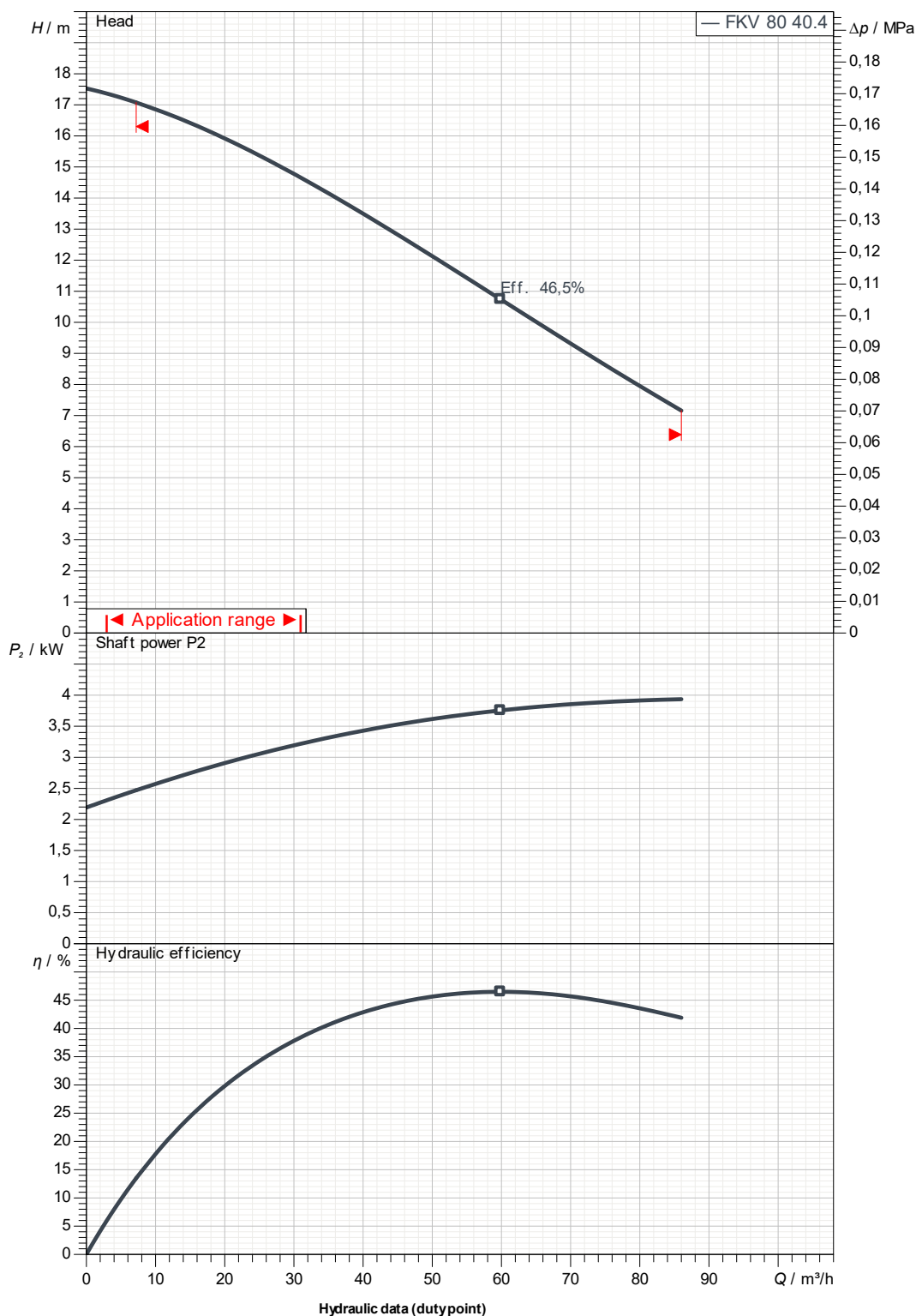
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Curve tolerance according to ISO 9906



Suction side :

DN 80

PN 16

Discharge side :

DN 80

PN 16

Flow :

Head :

Rated speed :

1.450 1/min

MAIN_PROJECT_TITLE

BUSINESS_PROCESS_ID

OWNER_

ISSUE_DATE

30/08/24

