

TECHNICAL SPECIFICATION

ANNEXURE-A PRE QUALIFICATION REQUIREMENT

S.NO	Material Description	Bidder Response
1.1	Bidder shall be manufacturer of Heavy Duty plunger pump/pump seals (Udyam Registration Certificate or Company Registration Certificate shall be submitted)	
1.2	Bidder shall have experience in supply of Heavy Duty Plunger pump/pump seals of rated capacity 150 bar or higher to Steel Rolling mills of Central/State Government, PSU or Public listed organization, executed after 31st March 2016. (Experience proof from BHEL shall contain PO copy and experience proof from other than BHEL shall contain PO copy along with Invoice/Delivery Challan)	
	Bidder shall visit SSTP/BHEL-Trichy prior to participation in tender, to assess the existing stuffing box, pump internals & understand the technical requirements, scope of supply. (Site Visit Certificate issued by BHEL shall be submitted)	
	Vendor shall have valid ISO 9001:2015 certification (Copy to be attached)	

ANNEXURE-B TECHNICAL DELIVERY CONDITIONS

S.NO	Technical Requirement	Bidder Response
1	Stuffing box for high pressure triplex plunger pump, Pump make: URACA Pump Model: KD724 Pump type: plunger pump, Working pressure: 200 bar, Number of plunger: 3, Plunger dia: 60mm, Stroke: 85 mm, Pump flow: 256 l/min, Pump speed: 368 rpm, Pump Nameplate & GA Drg are attached. Vendor shall physically check the pump stuffing box, manufacture the same & ensure one to one matching. Detailed part drawing of stuffing box shall be submitted for approval before start of manufacturing. Drawing shall be submitted within 2 weeks after PO date.	

SCHEDULE: 1

STUFFING BOX

Stuffing box as per sample

Stuffing box for high pressure triplex plunger pump,

Pump make: URACA

Pump Model: KD724

Pump type: plunger pump,

Working pressure: 200 bar,

Number of plunger: 3,

Plunger dia: 60mm,

Stroke: 85 mm,

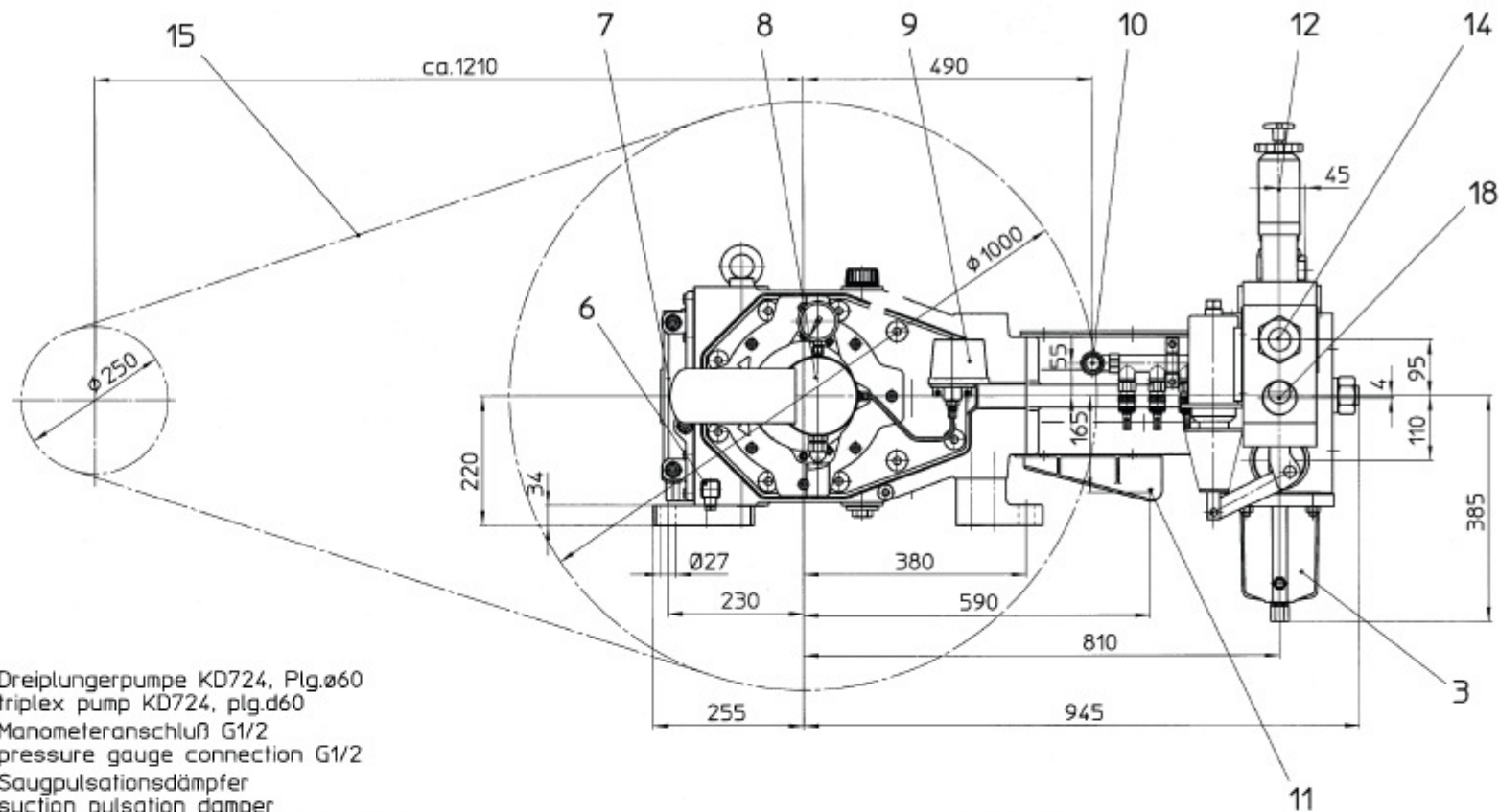
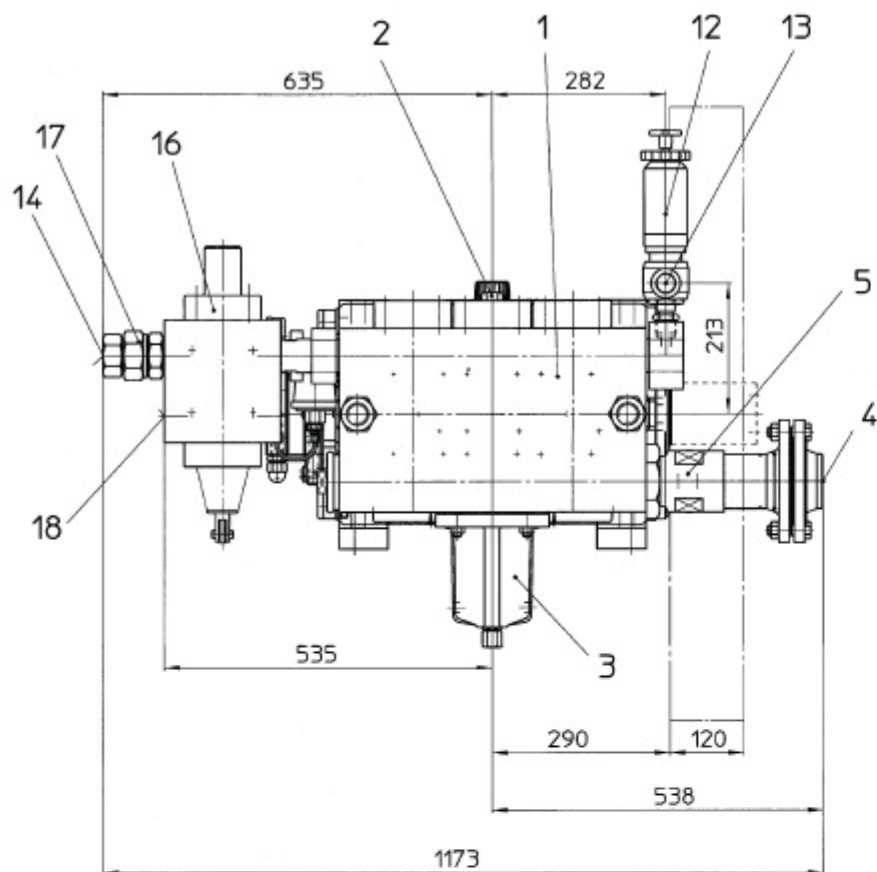
Pump flow: 256 l/min,

Pump speed: 368 rpm.

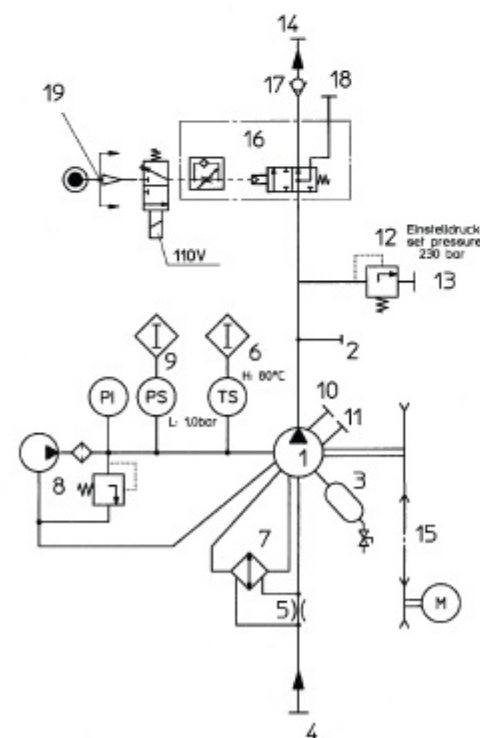
Detailed part drawing of stuffing box shall be

submitted for approval

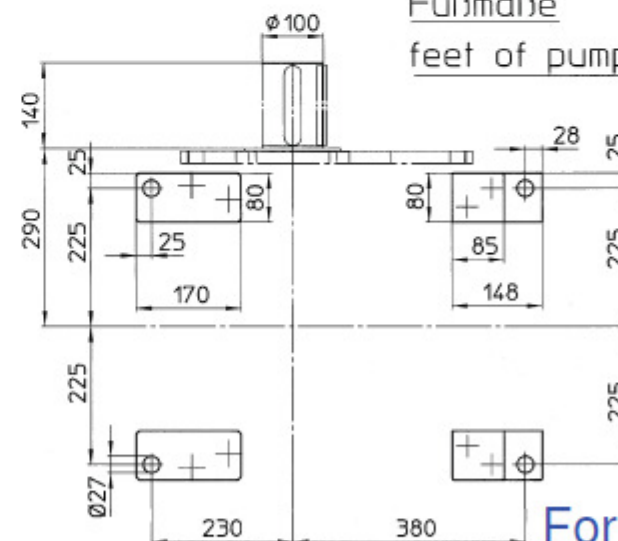
before start of manufacturing



- 1 Dreiplungerpumpe KD724, Plg.ø60
triplex pump KD724, plg.d60
- 2 Manometeranschluß G1/2
pressure gauge connection G1/2
- 3 Saugpulsationsdämpfer
suction pulsation damper
- 4 Sauganschluß DN80, PN16, DIN 2633
suction connection DN80, PN16, DIN 2633
- 5 Venturidüse
venturi-nozzle
- 6 Temperaturschalter
temperature switch
- 7 Triebwerkskühler
power end cooler
- 8 Öldruckschmierung
power end lubrication
- 9 Öldrucküberwachung
oil pressure switch
- 10 Stopfbuchsleckage G3/4
stuffing box leakage connection G3/4
- 11 Triebwerksleckage G1/2
power end leakage connection G1/2
- 12 Sicherheitsventil
safety valve
- 13 Rücklaufanschluß G1
return connection G1
- 14 Druckanschluß für Rohr ø38
discharge connection for tube ø38
- 15 Riementrieb
V-belt drive
- 16 Schaltventil LSV
unloading valve
- 17 Rückschlagventil
check valve
- 18 Rücklaufanschluß G2
return connection G2
- 19 Druckluftanschluß G1/8, 4-6bar
compressed air G1/8, 4-6bar



Fußmaße
feet of pump



For information only !

Proportions-
methode  Pump model:KD 724

URACA Pumpenfabrik GmbH & Co. KG
Sircanger Straße 15
D-72674 Bad Urach



Typ
Type

KDA 724

Bauj.
Year

2008

Kom.Nr.
Com.No.

PU-10103273

Q 255

l/min

p 200

bar

n 368

min⁻¹

P 92

kW

2000761