

# KST Series High-vacuum Oil Diffusion Pumps

KST series high vacuum oil diffusion pumps are main equipments which are used in obtaining high vacuum and ultra vacuum states of  $10^{-2}$ ~ $10^{-5}$ Pa, the design of pump is bulgy. Compare with KS series pumping speed, KST series have increased 30%.

## Features

Smooth figure, structure is convex

High pumping speed: increased 30% compare to K series

## Applications

Vacuum film coating

Vacuum heat treatment

## Main Specifications

### Model

KS-150T

KS-200T

KS-300T

KS-400T

KS-600T

Ultimate  
(Pa/Torr)

$5 \times 10^{-5}$  /  $5 \times 10^{-3}$

Pumping  
speed (L/s)

1100

¥2100

¥4500

¥7500

¥16500

Critical  
backing pressure (Pa/Torr)

30 / 0.23

40 / 0.3

Heating  
power (kW)

1.2

1.8

3

4.5

8.4

Voltage  
of power supply (V)

220

380

Cooling  
water consumption (L/h)

140

260

480

620

850

Pump  
oil type

KS-3 or silicon oil-275

Pump  
oil consumption (L)

0.4

0.55

1.5

3.2

7

Backing  
pump pumping speed (L/s)

8

15

30

70

150

Pump  
side (L\*W\*H) mm

345\*240\*500

440\*315\*575

600\*430\*745

770\*555\*910

1200\*780\*1360

Weight  
(kg)

28

37

85

170

400

#### Connection dimensions of KTS series high-vacuum oil diffusion pumps

Type/Size

KS-150T

KS-200T

KS-300T

KS-400T

KS-600T

DN

150

200

300

400

600

D1

220

275

380

500

710

D2

195

250

350

465

670

A

130

24

330

440

660

L

125

200

280

360

600

n1-Ð1

4-Ð12

8-Ð12

8-Ð14

8-Ð18

12-Ð21

dg

32

65

80

100

150

d1

78

125

145

170

220

d2

64

105

125

145

195

n2-Ð²2

4-Ð²7

4-Ð²9

4-Ð²9

4-Ð²12

8-Ð²12

H

490

550

720

890

1340