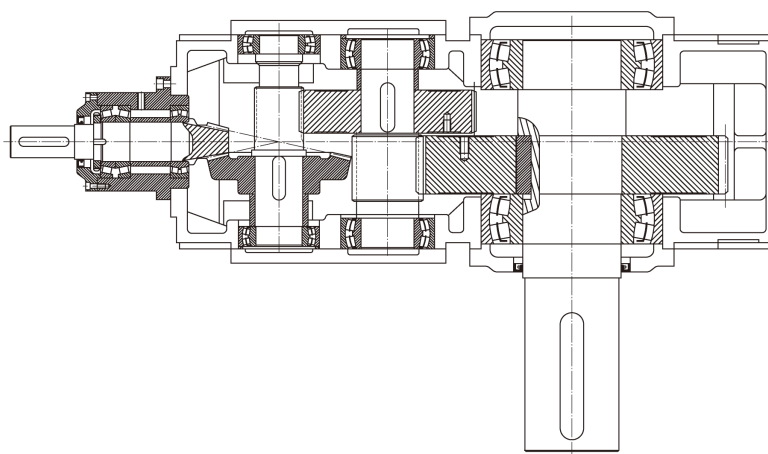


## H、 B series gear units overview:

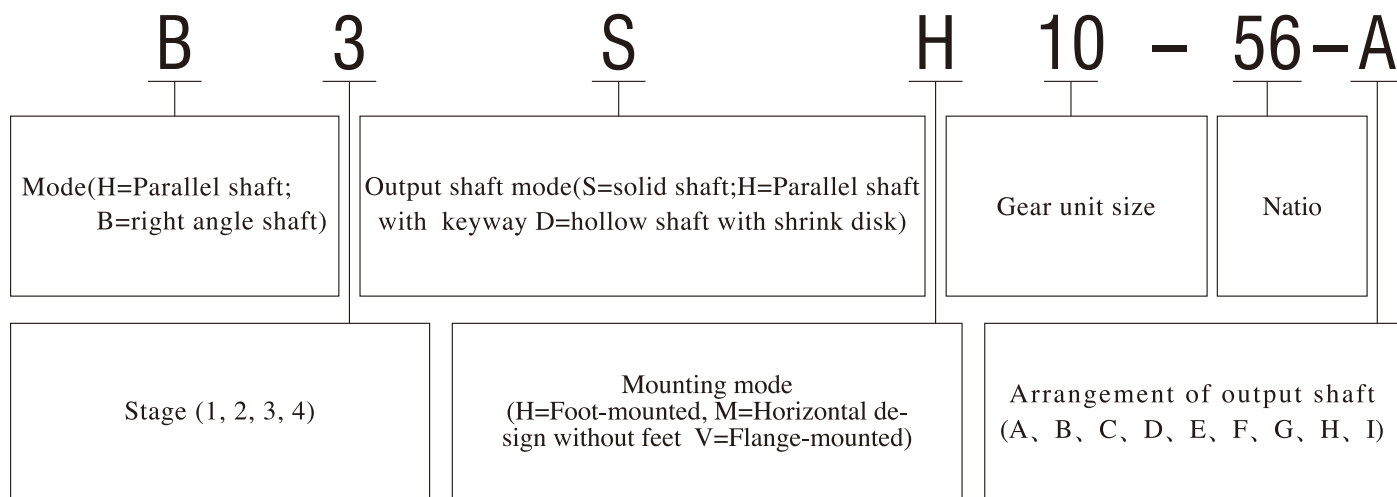
- ❑ H.B series gear units adopt currency layout and may transform into speeral reducer according to customer's requirement.
- ❑ The housing of one size can realize parallel shaft,right-angle shaft modes and horizontal,vertical mounting modes.Variety of components is reducible, the number of reducer's mode is augmentable.
- ❑ Sound-absorbable structure, lager surface, big fan reduce temperature and noise, advanced grinding process of cylindrical gear and bevel gear improve stability and transmit power more efficeintly.
- ❑ Input mode: motor connected flange, shaft input.
- ❑ Output mode: solid shaft with flat key, hollow shaft with flat key, hollow shaft with shrink disk, hollow or solid shaft with involute splines, solid shaft with flange.
- ❑ Mounting mode: Foot-mounted, flange-mounted, swing base-mounted, torque-arm-mounted.
- ❑ H.B series include sizes 3~26, number of stages is 1~4, ratio is 1.25~450, combining with R series and K series, ratio will be higher.

## H.B series reducer structure drawing:



HB

## H.B series model expressing example:





## Symbol description:

ED=operating cycle per hour, express as

percent, for example ED=60%/h

f1=Factor for driven machine ( table 1 )

f2=Factor for prime mover

f3=Peak torque factor

f4,f5=Ambient temperature factor ( table 2,3 )

f6,f7=Altitude factor ( table 4,5 )

f8=Applying oil factor of gear box ( table 6 )

f9,f10,f11,f12=Thermal capacity factor ( table 7,8,9,10 )

a1=Size factor ( table 11 )

a2=Transmission ratio factor ( table 12 )

P1=Power rating of driven machine

PG1=Thermal capacity for gear units without auxiliary  
cooling,

PG2=Thermal capacity for gear units with fan cooling,

PG3=Thermal capacity for gear units with built-in cooling  
coil

PG4=Thermal capacity for gear units with built-in cooling  
coil and fan