

??

??

????????????????????(a)????????????????????(b)????????????????????(0.2m/s?0.7m/s)??????????
??0.5m/s????????????????????????????????????0.25~0.5m/s???

??

??2/3??
??

??
??????????????????????????

???ffu??0.45m/s \pm 20%????????????????????
??????????????????????????

?????????????????,??

??????????????????????????

1????????????????????????????????????1000????????????30*60*3???

2????????????????50~100?????????????

3????????????????????

4????????????????????

5????????????????10000????0.3??????

6????????????????1000000????0.3??????

7????0.9m/s????????5000000????0.3??????

??????????????

?1? ?????????????????????????10-300?/min.?????????????? 150-1000?/min.? ???????????
900-2500?/min.??

?2? ??????? 70~700?/ min.? ??????? 4000~62000?/ min.??

?3? ????????? 3300~62000?/ min.??

?4? ??????:????? 1:7~1:14?

?5? ??????? 1:500~1:1000

?6? ????????? 878?/ min.????????????????????300?/ min.????????????1000?/
min/????????????????

??
????????????10%????????????90%??

a??

