Ar yugr syq

???????

???

1. ??????????????????????

????*1: r/min ???????????????????????????rpm. ???????2??? 50Hz 3000 [r/min] ????4??? 50Hz 1500 [r/min]????

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

??2?????????2?4

?? ??????????????????????????????????? ????n = 60f/p ????n: ????????

????f: ???? ????p: ????? ?? ?? ????????????????????

???

?????????????????????????????50Hz???25Hz???????????????400V????200V ?? 2. ?????????????????????????

????*1: ???? ???????????????????? ????*2: ???? ????????????????????? ??????????????????????????????????? ??? ??? ?? ?? 3. ?????????50Hz??????????????

???????????50Hz??. (T=Te, P<=Pe) ??????????????50Hz????????????????????????????? ??????????50Hz?????????????????????????????????????? ??????????100Hz????????????50Hz??????1/2? ????????????????????????. (P=Ue*Ie) ?? 4. ???50Hz???????

??????, ??????????, ??????????????? ??????????????: 15kW/380V/30A, ???????50Hz??? ??????50Hz?, ?????????380V, ???30A. ???????????60Hz, ????????????????380V/30A. ?????????. ?????????????.

??????????????? ??????P=wT (w:???, T:??). ??P??, w???, ????????????? ??????????????????: ??????????? U = E + I*R (I???, R?????, E?????) ????????, U,I???, E???. ?????E = k*f*X, (k:??, f: ??, X:??), ???f?50-->60Hz?, X????? ??????????, T=K*I*X, (K:??, I:??, X:??), ????T?????X?????. ??????, ??50Hz?, ??I*R??, ??U/f=E/f???, ??(X)???. ??T??????. ????????????????????????(??)??. ????????(??????-->??????) ??????: ?????????50Hz?????, ??????????.

5. ????????????

????????????????????????????????????? ??????: ?????????????????????, ?????????????????. ??????, ??????????????????????? ???????????????????????????????????. ??????: ??????, ????????????.??1000m???????. ???1000???5%????. ?? 6. ????????????????????

????*1: ???? ??? ????$??????????????? ??????"????"?????????,?(???????)1Hz??4??????????30r/min??????????????50Hz?????????????????150??? ?????????V/F??"????"?*1?? ??? ?????????????????????????????? ????"????"??? ????"????"???