

The proposed three-phase winding can be used in adjustable-speed change-pole motors. The pole pair ratio of the winding is $p_1/p_2 = 3/2$. The number of the winding coils is a multiple of 48. The winding coils form the winding phases. Each of the winding phases is divided into two half-phases. In the points of connecting the half-phases, leads are provided. Each half-phase of the winding is formed with the coils having the following numbers: the first half-phase of the first phase - coils 1, 3 connected oppositely to coils 40, 41, 11, 12; the second half-phase of the first phase - coils 16, 17, 35, 36 connected oppositely to coils 25, 27; the first half-phase of the second phase - coils 43, 44, 45, 15 connected oppositely to coils 4, 5; the second half-phase of the second phase - coils 28, 29 connected oppositely to coils 19, 20, 21, 39; the first half-phase of the third phase - coils 37, 7, 8, 9 connected oppositely to coils 47, 48; the second half-phase of the third phase - coils 23, 24 connected oppositely to coils 13, 31, 32, 33. The winding contains three additional branches. The first additional branch is connected to the point of connection of the half-phases of the first phase and contains coils 14, 38 connected oppositely to coils 2, 26. The second additional branch is connected to the point of connection of the half-phases of the second phase and contains coils 6, 30 connected oppositely to coils 18, 42. The third additional branch is connected to the point of connection of the half-phases of the third phase and contains coils 22, 46 connected oppositely to coils 10, 34.