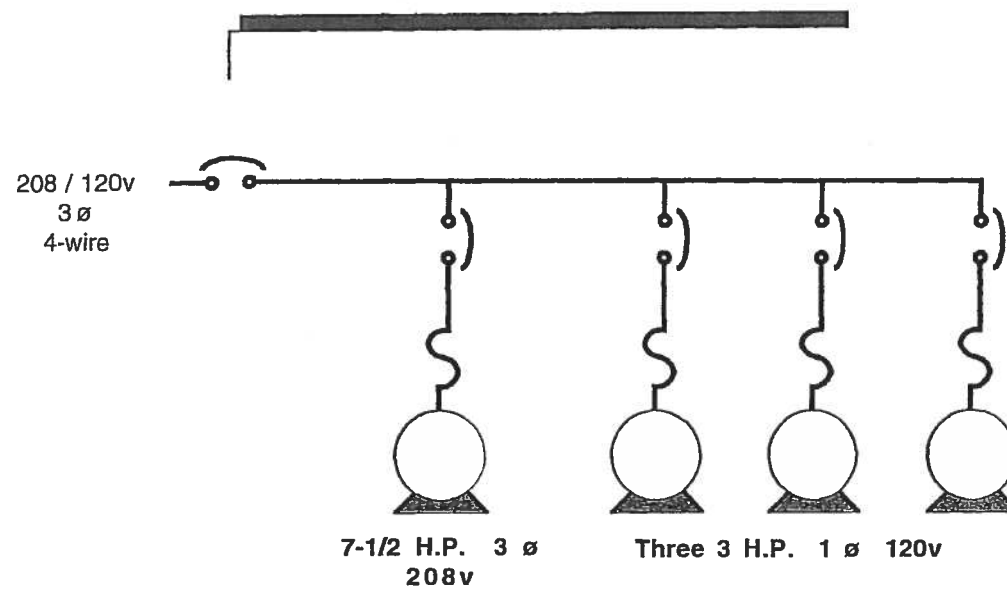


## MOTORS



All motors are squirrel-cage 40 degree C rise

1. What is the overload protection size for a 3 hp motor?  
(a) 22a (b) 39.1a (c) 34a (d) 42.5a
2. What is the minimum size branch circuit conductor size for the 7 1/2 hp motor using TW insulation?  
(a) #14 (b) #12 (c) #10 (d) #8
3. What is the branch circuit overcurrent protection size for the 3 hp motor, using an inverse time breaker?  
(a) 85a (b) 65a (c) 70a (d) 90a
4. What is the  $V_a$  input to the fully loaded 7 1/2 hp motor?  
(a) 5034 (b) 5060 (c) 5612 (d) 8718
5. What is the required feeder conductor size using TW insulation?  
(a) #2/0 (b) #1/0 (c) #2 (d) #4
6. What size feeder overcurrent protection using an inverse time breaker?  
(a) 110a (b) 125a (c) 175a (d) 200a