


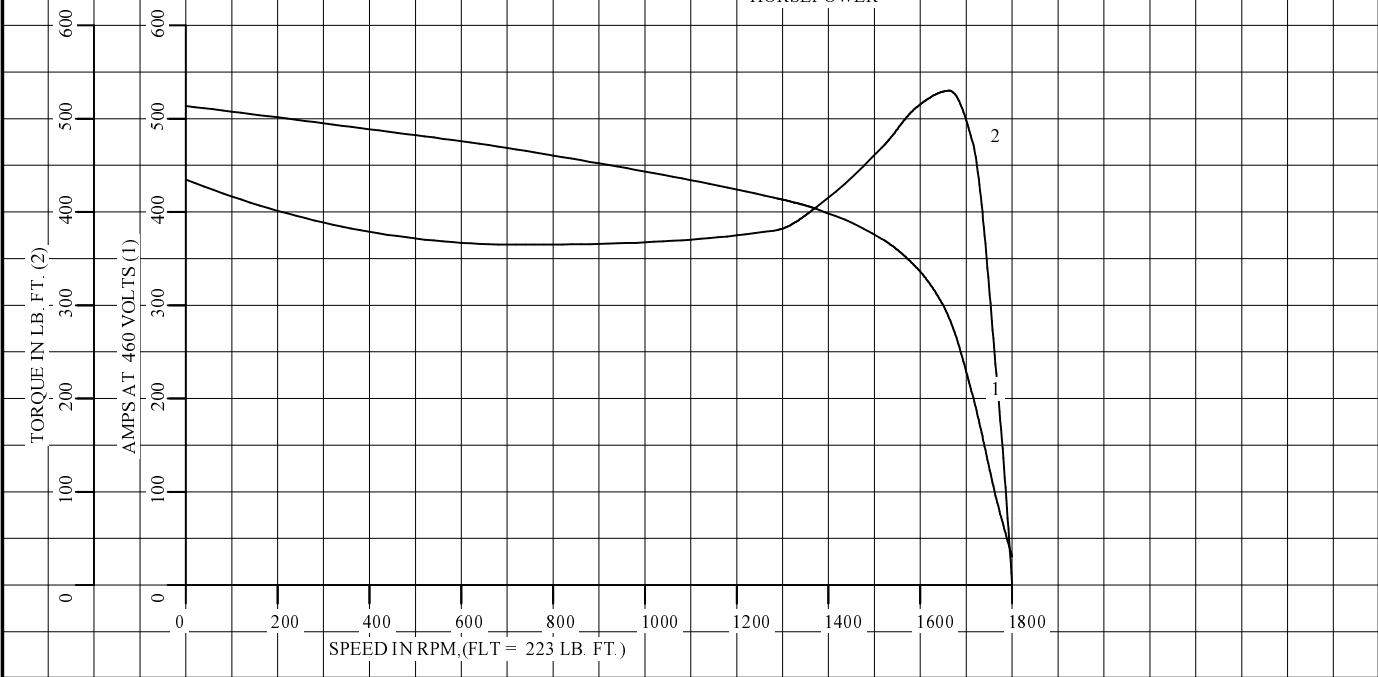
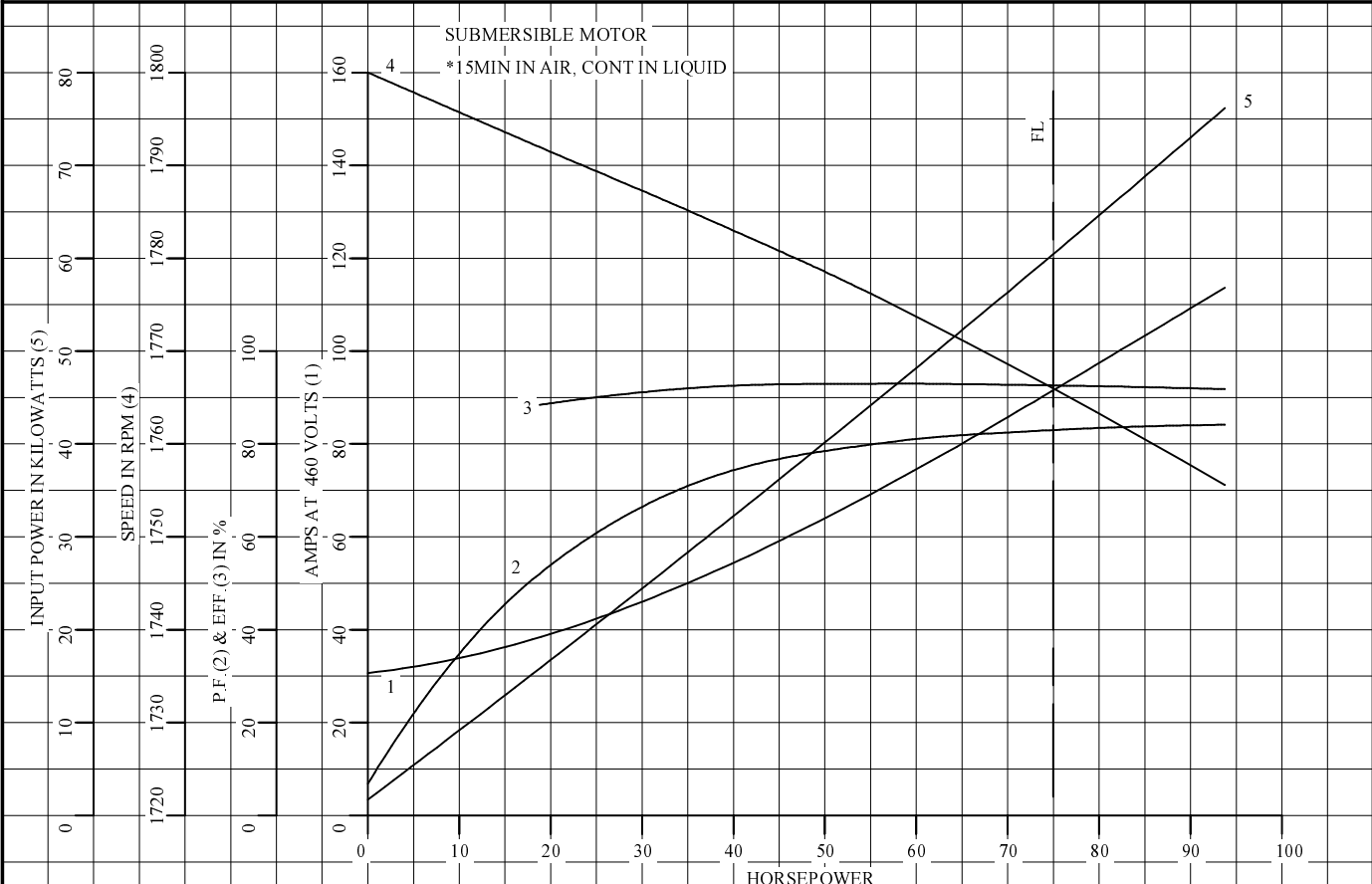
|   |             |                             |                       |   |                      |                      |
|---|-------------|-----------------------------|-----------------------|---|----------------------|----------------------|
| REL.<br>S.O.  | FRAME       | HP                          | TYPE                  | PHASE/<br>HERTZ   | RPM                  | VOLTS                |
|   | 320TY       | 75                          | P                     | 3/60  | 1765                 | 460                  |
| AMPS  | DUTY        | AMB °C/<br>INSUL.           | S.F.                  | NEMA<br>DESIGN  | CODE<br>LETTER       | ENCL.                |
| 91.3  | *           | 40/F                        | 1.15                  | B   | F                    | SUB                  |
| E/S   | ROTOR       | TEST<br>S.O.                | TEST<br>DATE          | STATOR RES.@25 °C<br>OHMS (BETWEEN LINES)                           |                      |                      |
| 490787  | 418140036NE | ---                         | ---                   | .0971   |                      |                      |
| PERFORMANCE   |             |                             |                       |   |                      |                      |
| LOAD  | HP          | AMPERES                     | RPM                   | INPUT<br>KW   | %<br>POWER<br>FACTOR | %<br>EFFI-<br>CIENCY |
| NO LOAD   | 0           | 30.7                        | 1800                  | 1.67  | 6.83                 | 0                    |
| 1/4   | 18.8        | 38.2                        | 1792                  | 15.9  | 52.1                 | 88.4                 |
| 2/4   | 37.5        | 52.3                        | 1784                  | 30.3  | 72.8                 | 92.3                 |
| 3/4   | 56.2        | 70.6                        | 1776                  | 45.1  | 80.2                 | 92.9                 |
| 4/4   | 75.0        | 91.3                        | 1766                  | 60.4  | 83.0                 | 92.6                 |
| 5/4   | 93.8        | 114                         | 1756                  | 76.2  | 84.1                 | 91.8                 |
| SPEED TORQUE  |             |                             |                       |   |                      |                      |
|   |             | RPM                         | TORQUE<br>% FULL LOAD | TORQUE<br>LB.-FT.   | AMPERES              |                      |
| LOCKED ROTOR  |             | 0                           | 195                   | 435   | 514                  |                      |
| PULL UP   |             | 720                         | 164                   | 365   | 467                  |                      |
| BREAKDOWN   |             | 1664                        | 238                   | 530   | 285                  |                      |
| FULL LOAD   |             | 1766                        | 100                   | 223   | 91.3                 |                      |
| <p>AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE</p> <p>REMARKS: CALCULATED DATA<br/>SUBMERSIBLE MOTOR<br/>*15MIN IN AIR, CONT IN LIQUID</p> |             |                             |                       |   |                      |                      |
|    |             | DR. BY <u>D. M. BYRD</u>    |                       | <b>A-C MOTOR</b><br><b>PERFORMANCE W01258-A-A001</b><br><b>DATA</b> |                      |                      |
|   |             | CK. BY <u>T.S. WILLIAMS</u> |                       |   |                      |                      |
|   |             | APP. BY <u>D. M. BYRD</u>   |                       |   |                      |                      |
|   |             | DATE <u>05/20/04</u>        |                       |   |                      |                      |

REL S.O.  
 FRAME 320TY  
 HP 75  
 TYPE P  
 PHASE/HERTZ 3/60

RPM 1765  
 VOLTS 460  
 AMPS 91.3  
 DUTY \*  
 AMB °C/INSUL 40/F

S.F. 1.15  
 NEMA DESIGN B  
 CODE LETTER F  
 ENCLOSURE SUB  
 E/S 490787

ROTOR 418140036NE  
 TEST S.O. CALCULATED DATA  
 TEST DATE ---  
 STATOR RES. @ 25 °C .0971  
 OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.



DR. BY D. M. BYRD  
 CK. BY T. S. WILLIAMS  
 APP. BY D. M. BYRD  
 DATE 05/20/04

A-C MOTOR  
 PERFORMANCE CURVES W01258-A-A001  
 ISSUE DATE 05/20/04