

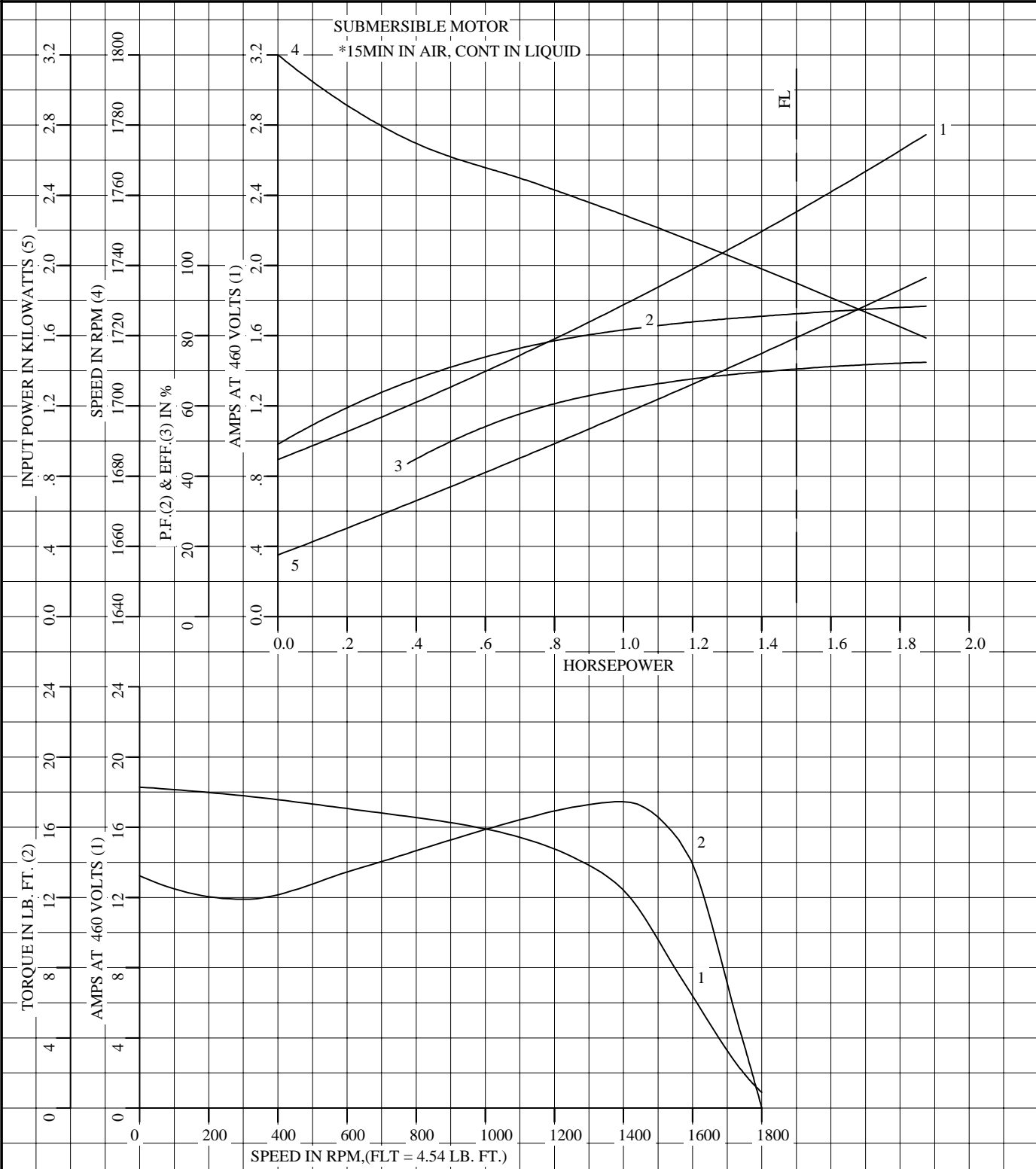
REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	180TY	1.5	P	3/60	1735	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
4.6/2.3	*	40/F	1.15	B	L	SUB
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)		
543814	418424-33CE	---	---	2.27/9.10		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	INPUT KW	% POWER FACTOR	% EFFI- CIENCY
NO LOAD	0	.89	1800	.349	49.1	0
1/4	.37	1.2	1776	.642	66.8	43.6
2/4	.75	1.5	1763	.944	77.5	59.3
3/4	1.13	1.9	1750	1.26	83.1	66.7
4/4	1.50	2.3	1735	1.59	86.2	70.5
5/4	1.88	2.7	1719	1.93	88.4	72.4
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	292	13.2	18.3	
PULL UP		300	262	11.9	17.8	
BREAKDOWN		1400	384	17.5	12.4	
FULL LOAD		1735	100	4.54	2.3	
<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: TYPICAL DATA SUBMERSIBLE MOTOR *15MIN IN AIR, CONT IN LIQUID</p>						
<b>Rockwell Automation</b>		DR. BY <u>D. M. BYRD</u>		<b>A-C MOTOR PERFORMANCE E02323-JAL002 DATA ISSUE DATE 07/26/04</b>		
		CK. BY <u>T.S. WILLIAMS</u>				
		APP. BY <u>D. M. BYRD</u>				
		DATE <u>07/26/04</u>				

REL S.O.  
 FRAME 180TY  
 HP 1.5  
 TYPE P  
 PHASE/HERTZ 3/60

RPM 1735  
 VOLTS 230/460  
 AMPS 4.6/2.3  
 DUTY \*  
 AMB °C/INSUL 40/F

S.F. 1.15  
 NEMA DESIGN B  
 CODE LETTER L  
 ENCLOSURE SUB  
 E/S 543814

ROTOR 418424-33CE  
 TEST S.O. TYPICAL DATA  
 TEST DATE ---  
 STATOR RES. @ 25 °C 2.27/9.10  
 OHMS (BETWEEN LINES)



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

**Rockwell Automation**

DR. BY D. M. BYRD  
 CK. BY T.S. WILLIAMS  
 APP. BY D. M. BYRD  
 DATE 07/26/04

**A-C MOTOR PERFORMANCE CURVES**  
 E02323-JAL002  
 ISSUE DATE 07/26/04