
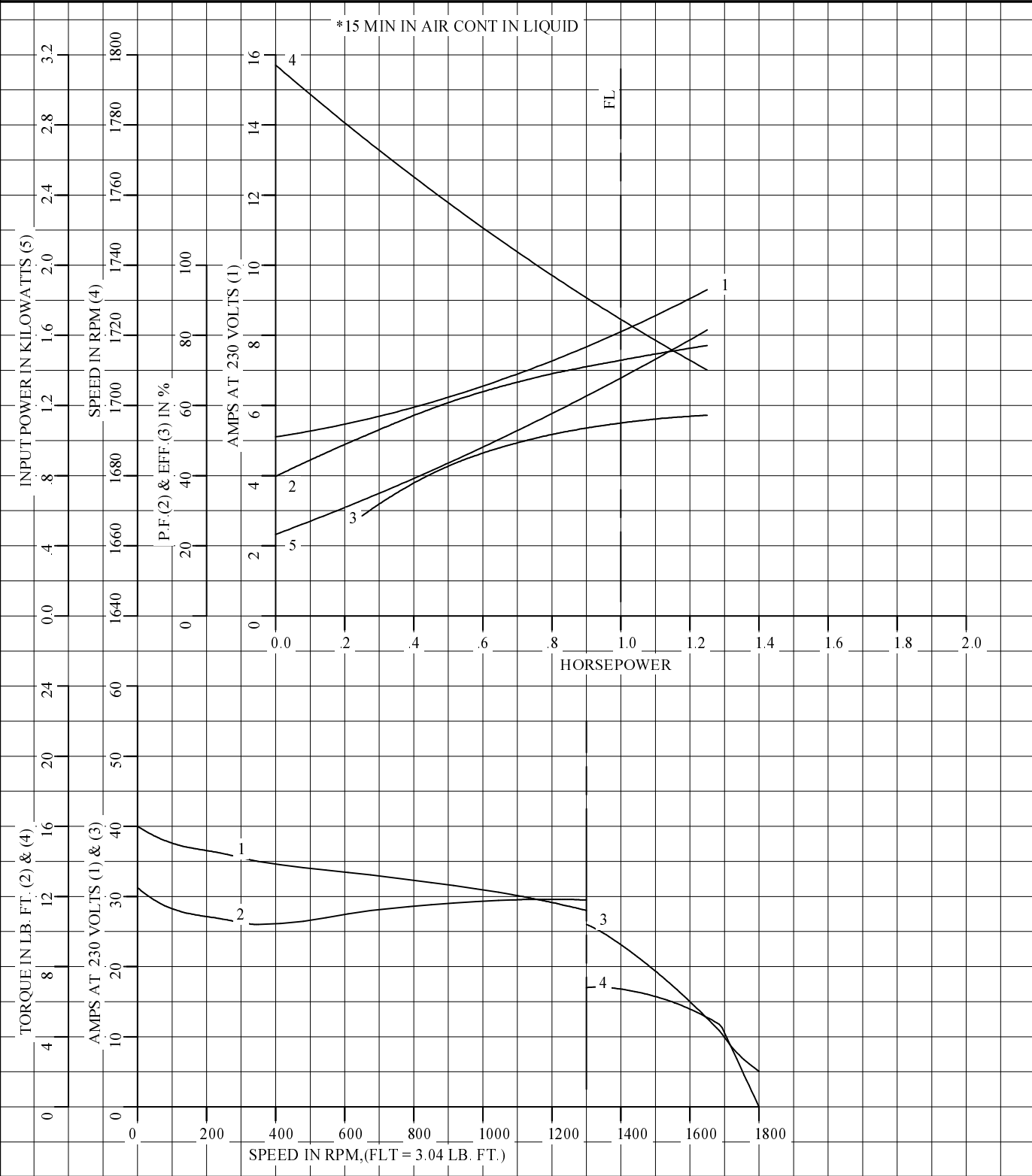


REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
-	180TY	1	CS	1/60	1730	115/230
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
16.2/8.1	*	40/F	1.15	-	L	SUB
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @ 25 °C OHMS (BETWEEN LINES)		
781036	-	-	-	1.955/7.59		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	INPUT KW	% POWER FACTOR	% EFFI- CIENCY
NO LOAD	0	5.1	1800	.466	39.8	0
1/4	.25	5.6	1771	.654	51.0	28.5
2/4	.50	6.2	1758	.874	60.8	42.7
3/4	.75	7.1	1744	1.11	67.9	50.6
4/4	1.00	8.1	1728	1.36	72.9	55.0
5/4	1.25	9.3	1709	1.63	77.1	57.2
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	411	12.5	40.0	
PULL UP		1300	388	11.8	28.0	
BREAKDOWN		1368	224	6.80	24.2	
FULL LOAD		1728	100	3.04	8.1	
<p>AMPERES SHOWN FOR 230. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE</p> <p>REMARKS: CALCULATED DATA *15 MIN IN AIR CONT IN LIQUID</p>						
		DR. BY <u>D. M. BYRD</u>		<b>A-C MOTOR</b> <b>PERFORMANCE A00082-A-A001</b> <b>DATA</b>		
		CK. BY <u>-</u> APP. BY <u>D. M. BYRD</u> DATE <u>10/26/04</u>				

REL S.O. -  
 FRAME 180TY  
 HP 1  
 TYPE CS  
 PHASE/HERTZ 1/60

RPM 1730  
 VOLTS 115/230  
 AMPS 16.2/8.1  
 DUTY \*  
 AMB °C/INSUL 40/F  
 S.F. 1.15  
 NEMA DESIGN -  
 CODE LETTER L  
 ENCLOSURE SUB  
 E/S 781036

ROTOR -  
 TEST S.O. CALCULATED DATA  
 TEST DATE -  
 STATOR RES. @ 25 °C 1.955/7.59  
 OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 230 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.



DR. BY D. M. BYRD  
 CK. BY -  
 APP. BY D. M. BYRD  
 DATE 10/26/04

**A-C MOTOR PERFORMANCE CURVES**  
 A00082-A-A001  
 ISSUE DATE 10/22/04