

REL. S.O. S1201091736

FRAME 180TY

HP 5

TYPE P

PHASE/HERTZ 3/60

RPM 1725

VOLTS 230/460

AMPS 14.0/7.0

DUTY CONT

AMB °C/INSUL 40/F

S.F. 1.00

NEMA DESIGN B

CODE LETTER H

ENCLOSURE TENV

E/S 536341

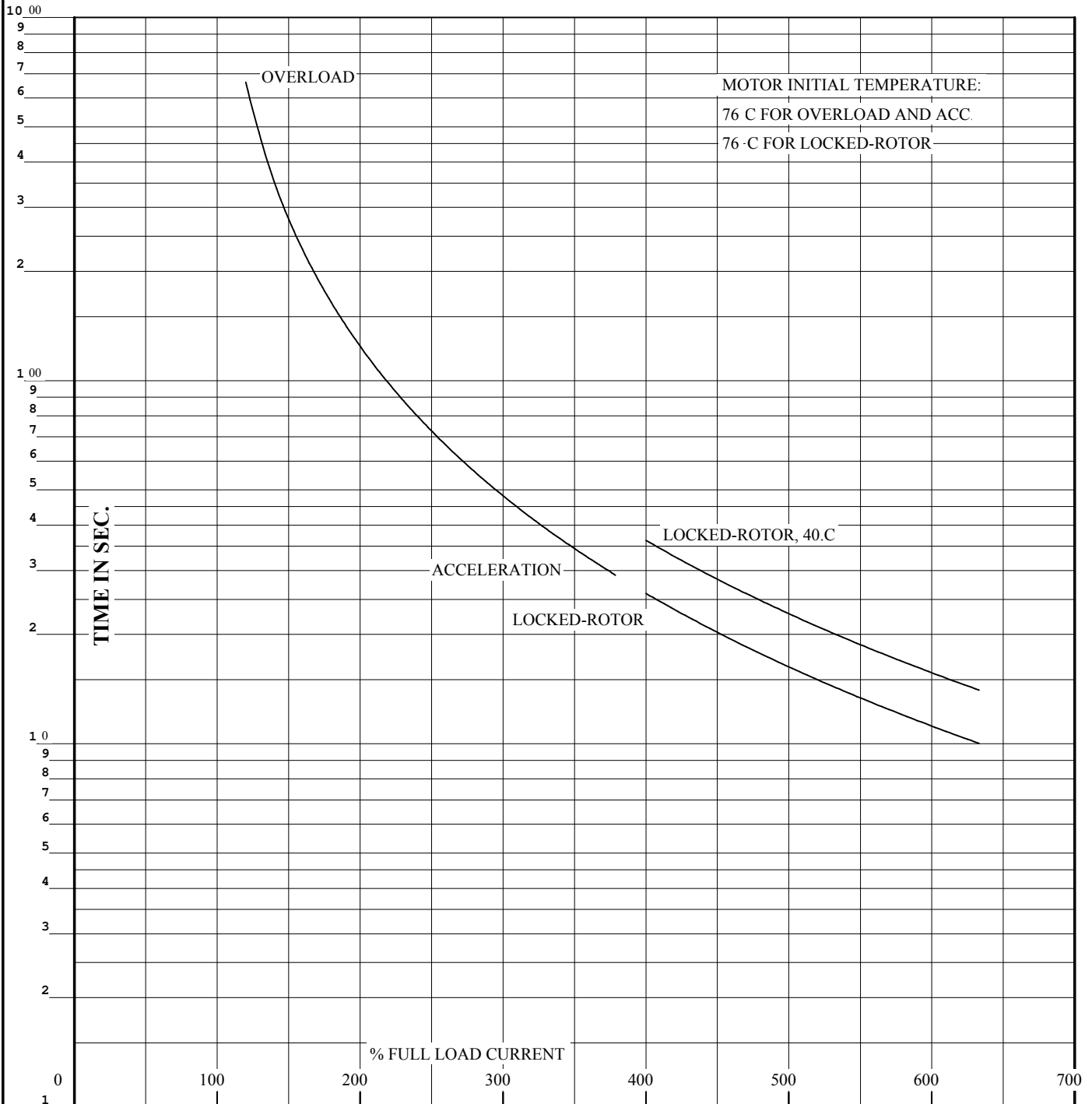
ROTOR 418424-37BE

TEST S.O. TYPICAL DATA

TEST DATE ---

STATOR RES. @ 25 °C. 932/3.72

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS:

SUBMERSIBLE MOTOR

*15MIN IN AIR, CONT IN LIQUID

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

BALDOR
A MEMBER OF THE ABB GROUP

DR. BY D. M. BYRD
CK. BY T. S. WILLIAMS
APP. BY D. M. BYRD
DATE 10/12/04

**A-C MOTOR
PERFORMANCE
CURVES**

E02261-HAG024/
S1201091736
ISSUE DATE 07/15/16

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
S1201091736	180TY	5	P	3/60	1725	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
14.0/7.0	CONT	40/F	1.00	B	H	TENV
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
536341	418424-37BE	---	---	.932/3.72		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	INPUT KW	% POWER FACTOR	% EFFI- CIENCY
NO LOAD	0	2.7	1800	.444	20.5	0
1/4	1.25	3.3	1781	1.41	54.1	66.3
2/4	2.50	4.2	1765	2.42	71.9	77.0
3/4	3.75	5.5	1747	3.50	79.9	79.9
4/4	5.00	7.0	1727	4.65	83.9	80.2
5/4	6.25	8.6	1703	5.90	86.1	79.1
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	192	29.2	40.0	
PULL UP		350	173	26.3	38.0	
BREAKDOWN		1400	272	41.3	25.1	
FULL LOAD		1727	100	15.2	7.0	
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA SUBMERSIBLE MOTOR *15MIN IN AIR, CONT IN LIQUID						
		DR. BY D. M. BYRD		A-C MOTOR E02261-HAG024/ PERFORMANCE S1201091736 DATA ISSUE DATE 07/15/16		
		CK. BY T. S. WILLIAMS				
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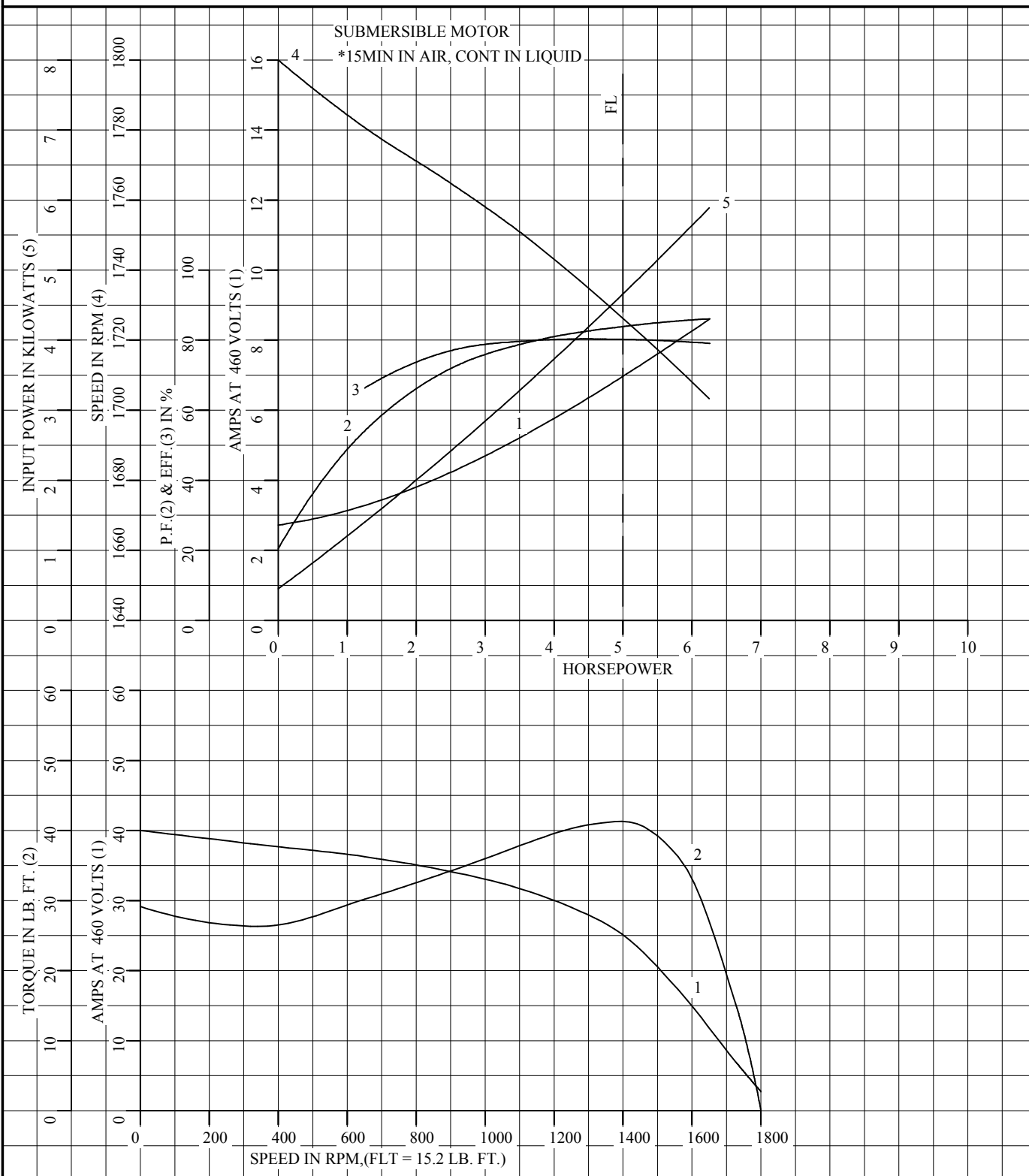
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E/S 536341

OHMS (BETWEEN LINES)



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