

NP VOLTS	460	MAX RPM	4000	9 Lead	WYE Connected HVC
NP AMPS	3.7	Base Volt	480	BEMF	212
HP	3	NL AMPS	0.1	Ld	57.7
BASE SPEED	1800	S.F.	1.50	Lq	217.0
PHASE/HZ	3/60	WK ² (lb-ft ²)	27.6	Rs	3.88
				Meas L-L	

Motor Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1800	3.0	8.8	460	60	3.7
Max Speed	4000	3.0	3.9	460	133.3	3.7
Min Speed	180	0.8	8.8	460	6.0	3.7

Motor Load Performance at Base Speed

	RPM	HP	Torque	Volts	Eff	Amps
No Load	1800	0.0	0.0	460	N/A	0.1
1/4	1800	0.8	2.2	460	79.8	0.9
1/2	1800	1.5	4.4	460	89.1	1.9
3/4	1800	2.3	6.6	460	91.9	2.8
Full Load	1800	3.0	8.8	460	92.8	3.7
O/L	1800	4.5	13.1	460	N/A	5.6

Remarks: Calculated Data
ECS Vector PWM IPM

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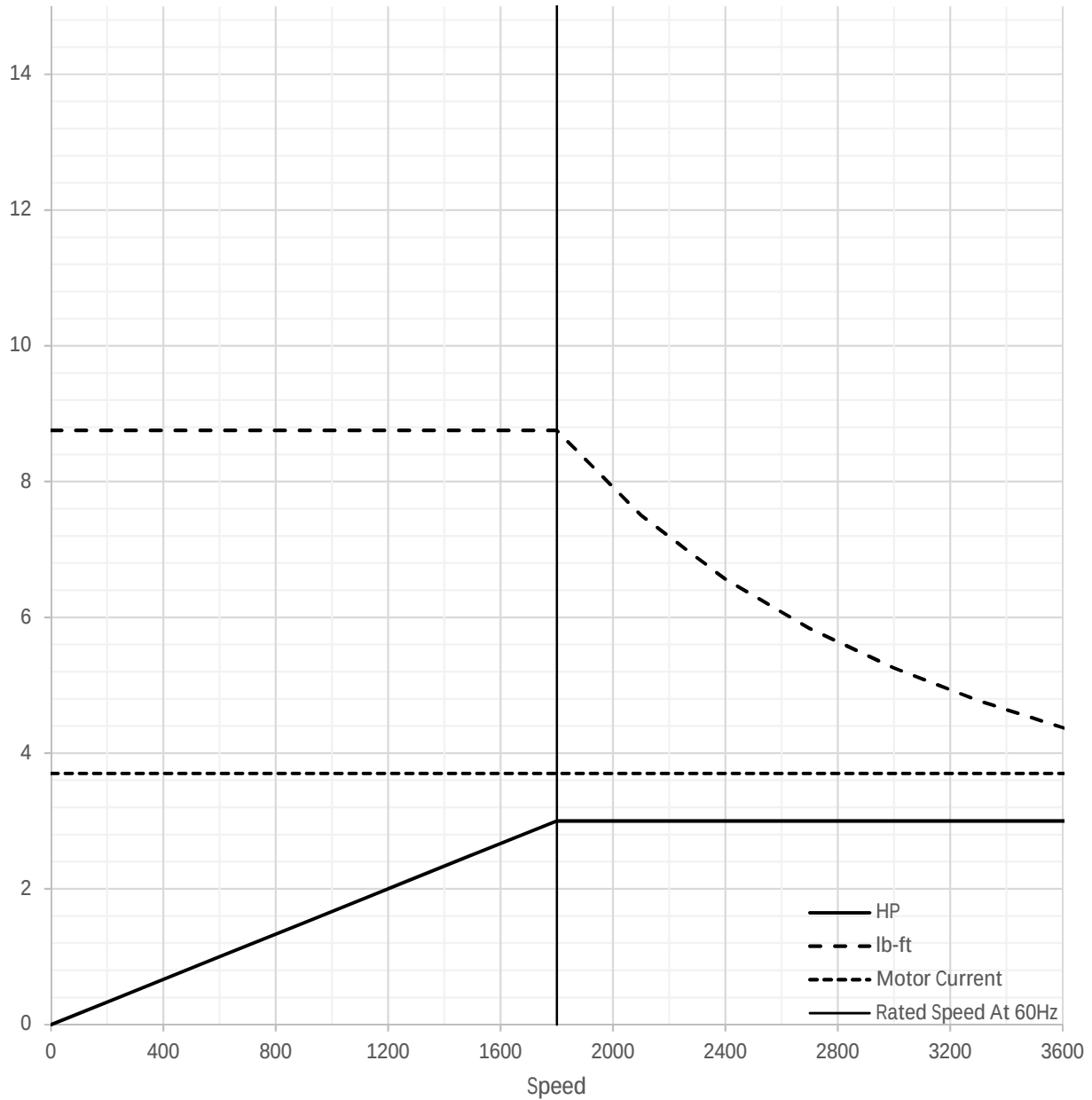
DR BY R&D
CK BY USJAROB1
APP BY ENG
DATE 8/17/2020

A-C MOTOR
PERFORMANCE
CURVES
ECS101M0H3EF4
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NP VOLTS	460	MAX RPM	4000	WYE Connected HVC	
NP AMPS	3.7	Base Volt	480	BEMF	212
HP	3	NL AMPS	0.1	Ld	57.7
BASE SPEED	1800	S.F.	1.5	Lq	217.0
PHASE/HZ	3/60	WK ² (lb-ft ²)	27.6	Rs	8.880
				Meas L-L	

Motor Performance Capability at Rated Load, ECS Vector PWM

Variable Speed IPM Motor Curves



Calculated Data

Data Valid For Nameplate Ratings

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 APP BY ENG
 DATE 8/17/2020

A-C MOTOR
 PERFORMANCE
 CURVES

Calculated Data
 36WGA0019-B001