

NP VOLTS	460	MAX RPM	4000	9 Lead	WYE Connected HVC
NP AMPS	2.3	Base Volt	480	BEMF	248
HP	2	NL AMPS	0.1	Ld	108
BASE SPEED	1800	S.F.	1.50	Lq	352
PHASE/HZ	3/60	WK ² (lb-ft ²)	14.9	Rs	10.480 Meas L-L

Motor Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1800	2.0	5.8	460	60	2.3
Max Speed	4000	2.0	2.6	460	133.3	2.3
Min Speed	180	0.8	5.8	460	6.0	2.3

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	0.5	1.5	460	78.0	0.6
1/2	1800	1.0	2.9	460	87.1	1.2
3/4	1800	1.5	4.4	460	89.8	1.7
Full Load	1800	2.0	5.8	460	90.7	2.3
O/L	1800	3.0	8.8	460	N/A	3.5

Remarks: Calculated Data
ECS Vector PWM IPM

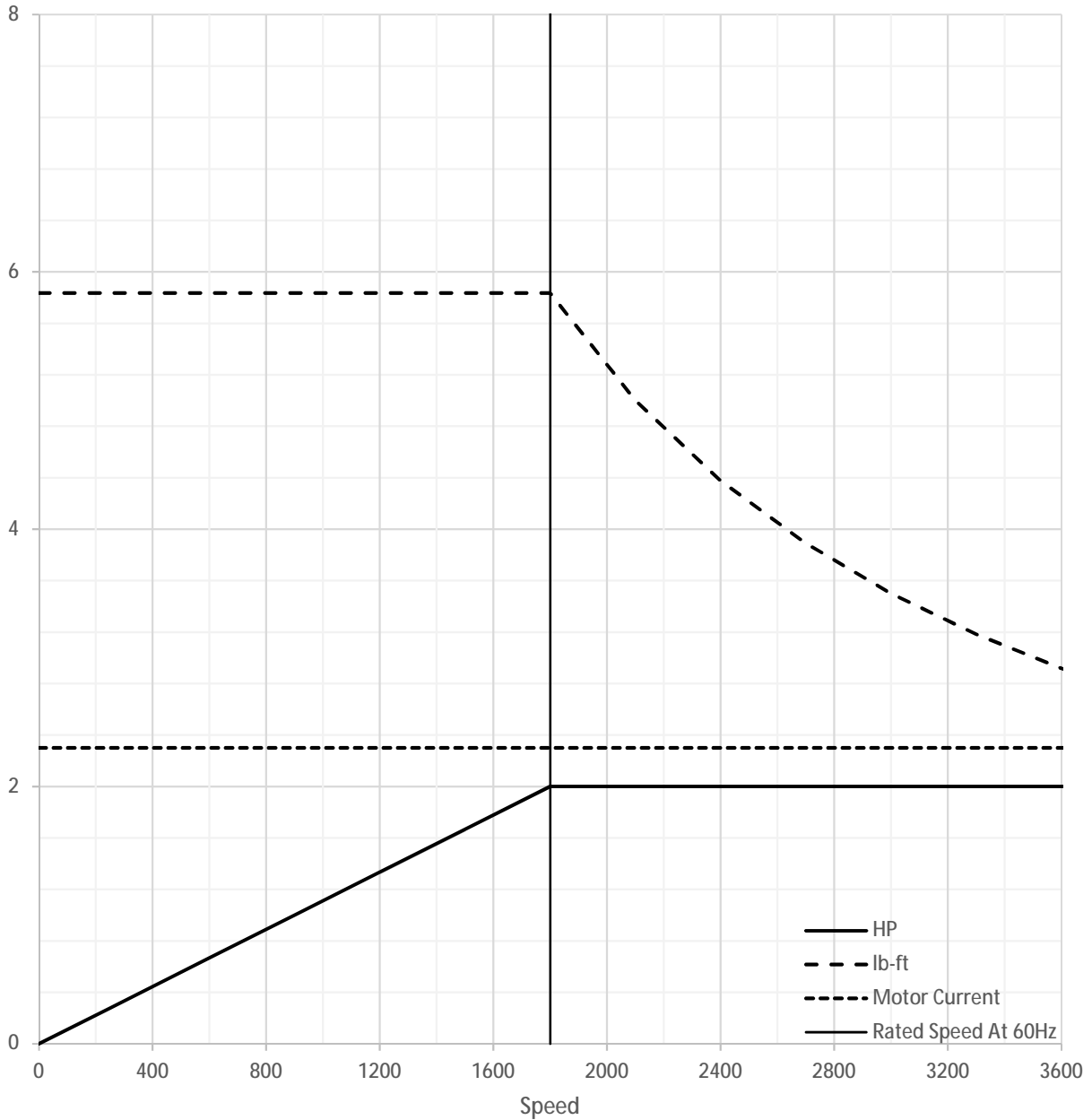
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 APP BY ENG
 DATE 8/17/2020

A-C MOTOR PERFORMANCE CURVES
 ECS101M0H2DF4
 35WGA0019-B001

NP VOLTS	460	MAX RPM	4000	WYE Connected HVC		
NP AMPS	2.3	Base Volt	480	BEMF	248	
HP	2	NL AMPS	0.1	Ld	108	
BASE SPEED	1800	S.F.	1.5	Lq	352	
PHASE/HZ	3/60	WK ² (lb-ft ²)	14.9	Rs	10.480	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

Calculated Data
 A-C MOTOR PERFORMANCE CURVES
 35WGA0019-B001