

NP VOLTS	460	MAX RPM	4000	9 Lead	WYE Connected HVC
NP AMPS	5.2	Base Volt	480	BEMF	227
HP	5	NL AMPS	0.1	Ld	40.9
BASE SPEED	1800	S.F.	1.40	Lq	138.0
PHASE/HZ	3/60	WK ² (lb-ft ²)	34.6	Rs	2.730 Meas L-L

Motor Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1800	5.0	14.6	460	60	5.2
Max Speed	4000	5.0	6.6	460	133.3	5.2
Min Speed	180	0.8	14.6	460	6.0	5.2

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	1.3	3.6	460	80.0	1.3
1/2	1800	2.5	7.3	460	89.3	2.6
3/4	1800	3.8	10.9	460	92.1	3.9
Full Load	1800	5.0	14.6	460	93.0	5.2
O/L	1800	7.0	20.4	460	N/A	7.3

Remarks: Calculated Data
ECS Vector PWM IPM

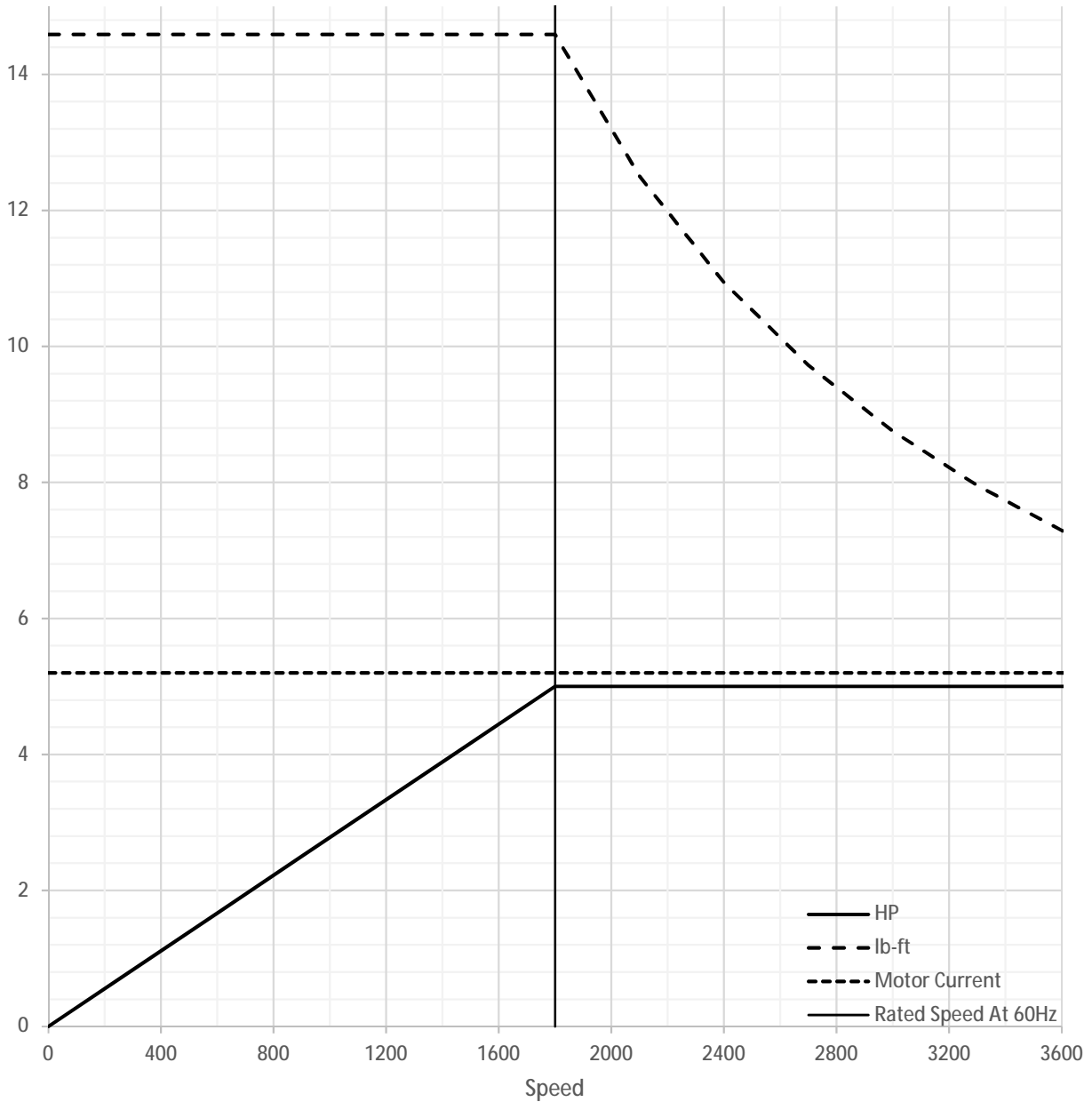
BALDOR • RELIANCE 

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

A-C MOTOR PERFORMANCE CURVES
ECS101M0H5DF4
35WGA0018-B001

NP VOLTS	460	MAX RPM	4000	WYE Connected HVC		
NP AMPS	5.2	Base Volt	480	BEMF	227	
HP	5	NL AMPS	0.1	Ld	40.9	
BASE SPEED	1800	S.F.	1.4	Lq	138.0	
PHASE/HZ	3/60	WK ² (lb-ft ²)	34.6	Rs	2.730	Meas L-L

Motor Performance Capability at Rated Load, ECS Vector PWM
Variable Speed IPM Motor Curves



Calculated Data
Data Valid For Nameplate Ratings

BALDOR • RELIANCE

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

A-C MOTOR
PERFORMANCE
CURVES

Calculated Data
35WGA0018-B001