

Volts	460	Max RPM	4000	Conn Diag.	CD0006B03	Leads	3
Amps	2.4	Max Amps		Cs Diagram	CS1126	BEMF	296
HP	2	VFD#	ECIN4A2P2			LD	78.9
RPM	1800	S.F.	1.00			LQ	406
Phase/Hz	3/60	Rating	40C AMB-CONT			Rs	11.7433 Meas. L-L

60034-2-3 Motor Performance at Standardized Operating Points

	RPM	% Speed	LB-FT	% Torque	HP	Efficiency	Loss (% FL)	Watts Loss (W)
P1	1627	90%	5.8	100%	1.8	91.9	7.92%	120
P2	903	50%	5.8	100%	1.0	88.1	6.71%	101
P3	453	25%	5.8	100%	0.5	81.6	5.62%	85
P4	1624	90%	2.9	50%	0.9	92.2	3.77%	57
P5	903	50%	2.9	50%	0.5	90.5	2.61%	39
P6	903	50%	1.5	25%	0.3	91.1	1.22%	18
P7	454	25%	1.5	25%	0.1	88.8	0.79%	12

61800-9-2 PDS Performance at Reference Operating Points

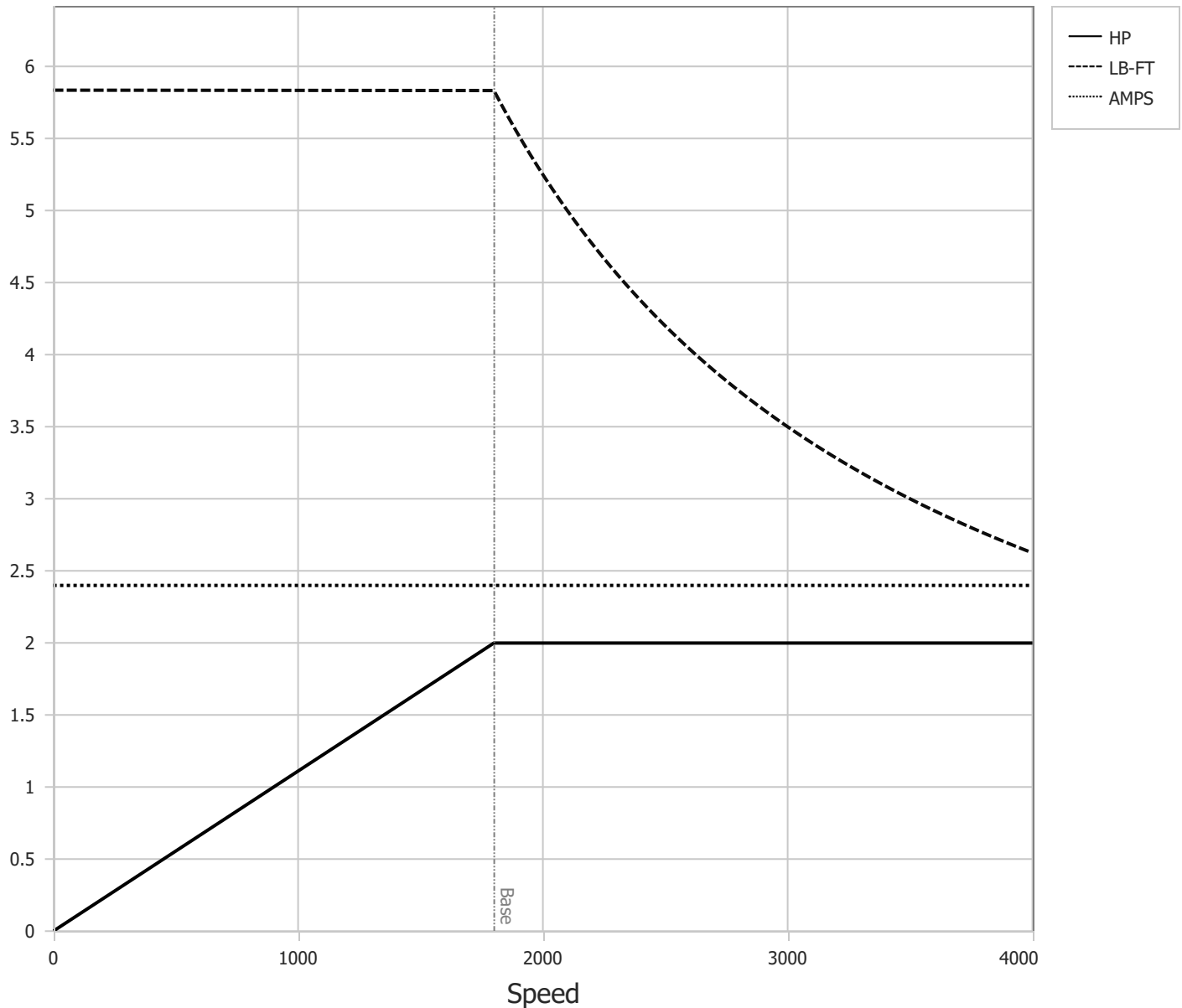
	RPM	% Speed	LB-FT	% Torque	HP	System Efficiency	Loss (% FL)	Watts Loss (W)
P1	1812	100%	5.8	100%	2.0	89.2	12.04%	182
P2	903	50%	5.8	100%	1.0	84.1	9.39%	142
P3	302	17%	5.8	100%	0.3	68.1	7.78%	117
P4	1804	100%	2.9	50%	1.0	89.1	6.06%	91
P5	903	50%	2.9	50%	0.5	84.6	4.53%	68
P6	302	17%	2.9	50%	0.2	69.3	3.67%	55
P7	903	50%	1.5	25%	0.3	81.9	2.75%	42
P8	302	17%	1.5	25%	0.1	65.2	2.21%	33

Points not taken in certified order.

BALDOR • RELIANCE	DR By:	<u>R & D</u>	AC MOTOR PERFORMANCE CURVES	35WGG963 35E5209G963 Test - 110893
	CK By:	<u>USTOSAN</u>		
	APP By:	<u>USJAROB1</u>		
	Date:	<u>07/03/2024</u>		

Volts	460	Max RPM	4000	Conn Diag.	CD0006B03	Leads	3
Amps	2.4	Max Amps		Cs Diagram	CS1126	BEMF	296
HP	2	VFD #	ECIN4A2P2			LD	78.9
RPM	1800	S.F.	1.00			LQ	406
Phase/Hz	3/60	Rating	40C AMB-CONT			Rs	11.7433 Meas L-L

Constant Duty Operating Range



BALDOR • RELIANCE

DR By: R & D
 CK By: USTOSAN
 APP By: USJAROB1
 Date: 07/03/2024

**AC MOTOR
PERFORMANCE
CURVES**

35WGG963
 35E5209G963
 Test - 110893