

Volts	190/380	Max RPM	3000	Conn Diag.	CD0005A25	Leads	9
Amps	28.71/14.36	Max Amps		Cs Diagram	CS0576	BEMF	184
KW	7.5	VFD#	ACS380-040S-17			LD	23.21
RPM	1500	S.F.	1.00			LQ	75.933
Phase/Hz	3/50	Rating	40C AMB-S1			Rs	0.9585 Meas. L-L

60034-2-3 Motor Performance at Standardized Operating Points

	RPM	% Speed	LB-FT	% Torque	KW	Efficiency	Loss (% FL)	Watts Loss (W)
P1	1350	90%	35.2	100%	9.0	93.9	5.88%	441
P2	750	50%	35.2	100%	5.0	91.1	4.93%	370
P3	375	25%	35.2	100%	2.5	85.2	4.33%	325
P4	1350	90%	17.6	50%	4.5	94.8	2.47%	185
P5	750	50%	17.6	50%	2.5	92.9	1.93%	144
P6	750	50%	8.8	25%	1.3	93.4	0.89%	67
P7	375	25%	8.8	25%	0.6	90.5	0.66%	49

61800-9-2 PDS Performance at Reference Operating Points

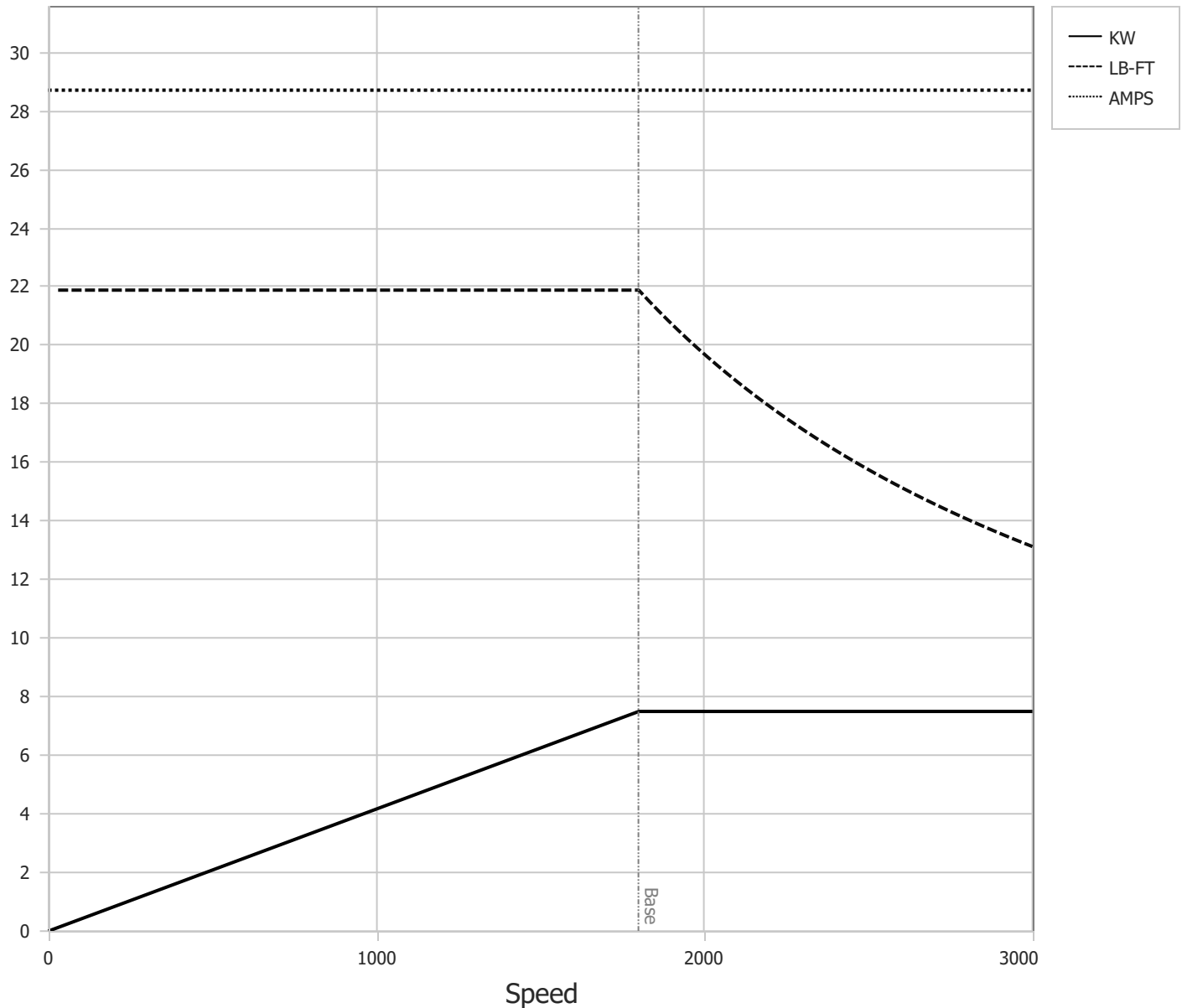
	RPM	% Speed	LB-FT	% Torque	KW	System Efficiency	Loss (% FL)	Watts Loss (W)
P1	1500	100%	35.2	100%	10.1	92.0	8.71%	653
P2	750	50%	35.2	100%	5.0	87.9	6.89%	517
P3	255	17%	35.2	100%	1.7	74.2	5.91%	443
P4	1500	100%	17.6	50%	5.0	92.7	3.95%	296
P5	750	50%	17.6	50%	2.5	89.2	3.02%	226
P6	255	17%	17.6	50%	0.9	77.5	2.47%	185
P7	750	50%	8.8	25%	1.3	88.5	1.62%	121
P8	255	17%	8.8	25%	0.4	76.9	1.28%	96

Points not taken in certified order.

BALDOR • RELIANCE	DR By:	<u>R & D</u>	AC MOTOR PERFORMANCE CURVES	37WGA0017 37-0000-0488 Test - 111844
	CK By:	<u>USTOSAN</u>		
	APP By:	<u>USJAROB1</u>		
	Date:	<u>01/28/2025</u>		

Volts	190/380	Max RPM	3000	Conn Diag.	CD0005A25	Leads	9
Amps	28.71/14.36	Max Amps		Cs Diagram	CS0576	BEMF	184
KW	7.5	VFD #	ACS380-040S-17			LD	23.21
RPM	1500	S.F.	1.00			LQ	75.933
Phase/Hz	3/50	Rating	40C AMB-S1			Rs	0.9585 Meas L-L

Constant Duty Operating Range



BALDOR • RELIANCE

DR By: R & D
 CK By: USTOSAN
 APP By: USJAROB1
 Date: 01/28/2025

**AC MOTOR
PERFORMANCE
CURVES**

37WGA0017
 37-0000-0488
 Test - 111844